Sleepware G3

Database Administration





innovation + you

The Sleepware G3 database

Sleepware G3 utilizes the Microsoft SQL Server Express Database

- Access to the database, once installed, is integrated within Sleepware G3 and stores patient, physician, and acquisition information (sleep study results and diagnostic information).
- The information stored in the database can be used to run various, customizable clinical, patient data, acquisition information, diagnoses, and assigned physicians queries.

Note: The Sleepware G3 database does not store study data: raw files or video. These are typically stored on a computer hard drive, or other network drive designated for study storage.



Database Administration

Performing database administration tasks are necessary to keep the database up-to-date, backed up, and secure. Typically these tasks are performed when the database is originally set up and when there is a software update for Sleepware G3. The tasks to be performed to maintain a healthy database are as follows:

- Perform a backup of your Sleepware G3 database.
- Restore the Sleepware G3 database using a backup of a file that was created previously.
- Encrypt your Sleepware G3 database.
- Upgrade your Sleepware G3 database.

The next few slides show how to access the Database Administration tool and perform the backup, restore, encrypt, and upgrade functions.



Database Administration

To access the database administration tool: Open Sleepware G3, select **Tools** > **Database Administration**.

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This single database tool allows you to backup, restore, encrypt and upgrade your database.

Database Administ	Database Administration							
Backup Restore E	ncrypt Upgrade							
Backup Database	Backup Database							
Location:		Browse Backup						
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Database Administration

Prerequisites for database tasks:

- The backup and restore functions can only be used on the computer hosting the database server.
- The Sleepware G3 user has proper Group privileges to run this tool.
- The restore function can only be used when a Windows account Administrator is logged in to the PC.



Database Administration	×
Backup Restore Encrypt Upgrade	
Backup Database	
Location:	Browse
	Backup
	Close
	Close .:

The Database Administration window opens and by default, displays the **Backup** tab selected.



Databa	Database Administration											
Backup	Restore	Encrypt	Upgrade									
Backu	Backup Database											
Locat	tion:										Browse	
											Backup	

Backing up your SQL Server database periodically protects you from the possibility of data loss. **Backing up is the only way to protect your data**. With valid backups of a database, you can recover your data from many failures, such as:

- Hardware failures, for example, a damaged disk drive or permanent loss of a server.
- Database corruption.

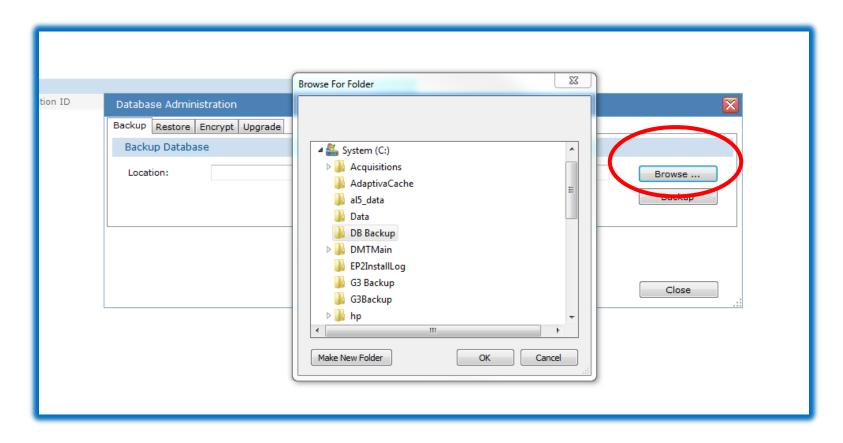
Best practice is to perform a database backup once a month.



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🐔 OneDrive	🕌 al5_data 🦯	4/20/2016 1:38 PM	File folder			
🔚 Recent Places	📗 Data 🛛 🖌	1/21/2016 7:18 AM	File folder			
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■ Documents =	🐌 EP2InstallLog	2/8/2017 12:09 PM	File folder			
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🖵 (P:) PUBLIC (\\C(퉬 Program Files	4/25/2017 4:33 PM	File folder			
-	퉬 Program Files (x86)	5/3/2017 2:57 PM	File folder			
26 items						

The first step in the backup process is to create a folder to store the data. You can create a folder in the location of your choice. *Your backup location must be on the same computer your database is located.* For this example, the folder was created on the local C drive (Computer > (C): System > DB Backup). It was named DB Backup for "database backup"

8



Within the Backup Database tool, click on the **Browse** button. The Browse for Folder window appears. Navigate to the "DB Backup" folder you created previously. Once you have located your backup folder, click to select it then click **OK**.

PHILIPS

Database Admir	istration	×
Backup Restore	Encrypt Upgrade	
Backup Databa	ase	
Location:	C:\DB Backup	Browse Backup
		Close:

The location is now selected. To back up the DB to this folder, click on **Backup**.



Database Administration	
Backup Restore Encrypt Upgrade	
Sleepware G3	
The database has been successfully backed up to "C:\DB Backup\SleepwareG3.2017_05_18_14_00_18.ba	k".
<u>ок</u>	
	Close .::

When complete, a message appears that the backup was successful. The backup process creates a .BAK file in the folder you selected. The generated file includes the date and time on which it was created. For example, SleepwareG3.2017_05_18_01_59_30.bak was created at 01:59:30 on May 18 2017.

You have now successfully created a back up of your database.

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Now that you have created a database backup file, the Restore function can be used when necessary. If the Sleepware G3 database ever needs to be restored, the following steps can be taken.

Database Adminis	tration	×
Backup Restore E	ncrypt Upgrade	
Restore Databas	e de la companya de l	
File:		owse
		Close

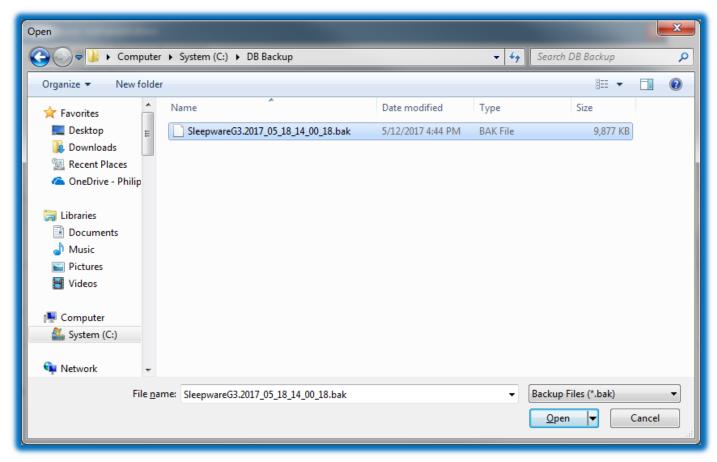
With Sleepware G3 open, click on **Tools** > **Database Administration**. The Database Administration window appears. Select the **Restore** tab.



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📃 Desktop 🔷	Name	Date modified	Туре	Size	
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Recent Places	AdaptivaCache	6/1/2017 10:31 AM	File folder		
Pa	🐌 al5_data	4/20/2016 1:38 PM	File folder		
Libraries	퉬 Data	1/21/2016 7:18 AM	File folder		
Documents	🐌 DB Backup	6/4/2017 2:17 AM	File folder		
Pictures]] DMTMain	9/17/2015 12:49 AM	File folder		
Videos	퉬 EP2InstallLog	2/8/2017 12:09 PM	File folder		
Videos	鷆 G3 Backup	4/21/2016 10:51 AM	File folder		
🖳 Computer	퉬 G3Backup	4/22/2016 9:56 AM	File folder		
System (C:)	퉲 hp	5/30/2017 7:54 AM	File folder		
	HPSupport	1/22/2016 1:53 PM	File folder		
×	A MSOCache	9/16/2015 11:58 PM	File folder		
File n	ame: SleepwareG3.2017_05_18_14_00_18.bak		- Backup File	es (*.bak)	•

You then select **Browse** and navigate to location of the backup database file you created: Computer > (C): System > DB Backup. Double-click the folder where the .BAK file is stored. This action opens the folder.

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With the backup folder contents displayed, select the .BAK file and click **Open**.



Database Administ	tration	$\overline{\mathbf{X}}$
Backup Restore E	ncrypt Upgrade	
Restore Databas	e	
File:	C:\DB Backup\SleepwareG3.2017_05_18_14_00_18.bak	Browse Restore
		Close

The full path and file name of the backup file is displayed in the Database Administration window. Example: C:\DB Backup\SleepwareG3.2017_05_18_01_59_30.bak

Click **Restore**.



Database Admin	Database Administration							
Backup Restore	Encrypt Upgrade	•						
Restore Datab	ase	Sleepwa	are G3	3				
File:	C:\DB Backup	i	The database has been successfully restored.		Browse Restore			
-					Close .::			

Once the Restore process is finished, a message is displayed: "The database has been successfully restored."

You have now successfully restored your database.

Note: The data restored is from the date of the backup file.

Database Administration	×						
Backup Restore Encrypt Upgrade							
Encrypt Database							
Click the "Encrypt" button to encrypt the database.	Encrypt						

Sleepware G3 database encryption helps prevent unauthorized access to information stored in the database outside of Sleepware G3.

The data that is encrypted includes:

1. Personally identifiable data is encrypted with a FIPS 140-2 certified algorithm.

2. All personal identification data that is stored in the database, including all patient and physician information.

3. Beginning with version 3.9, Sleepware G3 upgrades encrypt the database automatically. If the database was already encrypted a message displays "The database is already encrypted" and the **Encrypt** button is disabled.



To encrypt your database

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Fil	е	Edit	View	Scoring	Devices	Report	Video	Тос	ols	Workspaces	Window	Help		
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With Sleepware G3 open, select **Tools > Database Administration**.



To encrypt your database

Database Administration	×
Backup Restore Encrypt Upgrade	
Encrypt Database	
Click the "Encrypt" button to encrypt the database.	Encrypt
	Close

Select the **Encrypt** tab. Click on the **Encrypt** button.



To encrypt your database

Database Administration		\boxtimes
Backup Restore Encrypt Upgrad	le	
Encrypt Database	Sleepware G3	
Click the "Encrypt" button to end		Encrypt
		Close

When the encryption process is finished, a message appears: "The database has been successfully encrypted." All patient and physician information stored in the current database is now encrypted.

PHILIPS

Database Upgrades

Upgrades to the database occur in tandem with the installation of a new release of the Sleepware G3 client software. With this upgrade, you do not need to perform a full database installation. However, you will need to update the database to include any changes with a new release of Sleepware G3.

Often, new features require updates to the database. The update function executes database scripts that adds new database tables or adds columns to existing tables.

The update function does not impact any existing data.



To Upgrade Your Database

Database Administration	
Upgrade	
Upgrade Database	
Important: Please backup the database before attempting to upgrade it.	
Database version required for Sleepware G3: 9	Upgrade
Current database version: 6	
	Close
	.:

Note that this window informs you of the current database version and the required version for the Sleepware G3 version that is installed. In this example:

- The Database version required for Sleepware G3: 9.
- The Current database version: 6

To Upgrade from version 6 to 9, click **Upgrade**.



To Upgrade Your Database

Database Administrati	n	×
Upgrade Upgrade Database	Sleepware G3	
Important: Please I Database version req	Database upgraded. Please restart Sleepware G3.	Upgrade
Current database ver	ок	
		Close

When the database upgrade process is complete, a message is displayed: "Database upgraded. Restart Sleepware G3."



To Upgrade Your Database

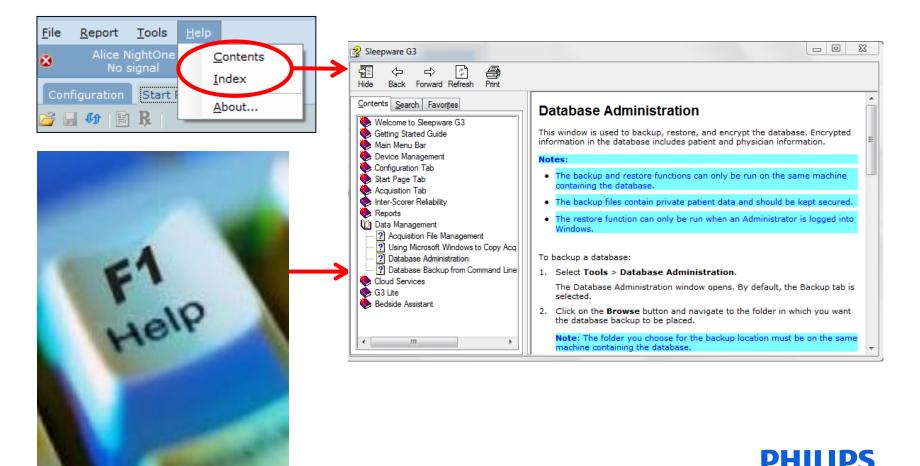
Database Administration		×
Backup Restore Encrypt Upgrade		
Upgrade Database		
Important: Please backup the database before attempting to upgrade it.		
Database version required for Sleepware G3:	9	Upgrade
Current database version:	9	
		Close .::

After Sleepware G3 has been restarted, you can reopen the Database Administration window to confirm that the two displayed versions now match.



Help!

For more information about Sleepware G3, access the Help file by selecting **<u>Help</u>** in the upper left corner and selecting **Contents or Index**. **OR...** press **F1** on your computer keyboard to display the Help file.



Thank You



The screenshots are from the Sleepware G3 software and may differ from your version of Sleepware.



i Consult Sleepware G3's online help for additional information.

1136506 R00 RPM 11/13/2017

Sleepware G3 Training Module

Somnolyzer Quick Start Guide

Introduction

New icons for integrated Somnolyzer that appear in Sleepware G3 versions 3.7.1 and later:



Somnolyzer Icons in Sleepware G3

To use Somnolyzer within G3, you must first purchase "licenses for use" from your Philips Respironics representative.

There are two different license type options for purchase: "Respiratory Only" and "Full PSG." The Respiratory Only option allows Somnolyzer analysis of studies performed using our portable sleep testing devices, Alice NightOne and Alice PDx. The Full PSG option allows analysis of our in- lab PSG (Alice 5/LE/6) studies and studies recorded with Alice PDx if EEG and/or ECG is used (any study requiring sleep staging). Examples:

Full PSG license: Alice 5, 6, or Alice PDx (with the optional ExG and/or ECG yoke).



Alice PDx with ExG & ECG Yokes



Alice 6 Systems

Respiratory-Only: Alice NightOne or Alice PDx (without ExG and/or ECG yoke), and Alice PDx with Actimeter yoke.



Alice NightOne



Alice PDx without ExG or ECG Yokes

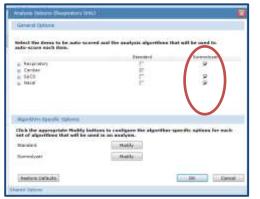
Licenses are available for several different quantities of uses:

Respi	ratory Only part numbers per quantity	Ful	l PSG part numbers per quantity
1121153	Somnolyzer-G3 Act., Resp Only, 20 uses	1121056	Somnolyzer-G3 Act., Full, 20 uses
1121154	Somnolyzer-G3 Act., Resp Only, 50 uses	1121057	Somnolyzer-G3 Act., Full, 50 uses
1121115	Somnolyzer-G3 Act., Resp Only, 150 uses	1121148	Somnolyzer-G3 Act., Full, 150 uses
1121156	Somnolyzer-G3 Act., Resp Only, 250 uses	1121149	Somnolyzer-G3 Act., Full, 250 uses
1121157	Somnolyzer-G3 Act., Resp Only, 500 uses	1121150	Somnolyzer-G3 Act., Full, 500 uses
1121158	Somnolyzer-G3 Act., Resp Only, 1000 uses	1121151	Somnolyzer-G3 Act., Full, 1000 uses
1121159	Somnolyzer-G3 Act., Resp Only, 2000 uses	1121152	Somnolyzer-G3 Act., Full, 2000 uses

Based on the license type purchased, the applicable Somnolyzer functionality will be available within Sleepware G3 upon license activation (Respiratory Only or Full PSG).

Respiratory Only Analysis Parameters

Full PSG Analysis Parameters



Respiratory Only analyzes *respiratory, SpO2* and nasal event types.

Respiratory only licenses *cannot* be used to analyze Full PSG.

Full PSG analyzes *staging, arousals, respiratory, SpO2, nasal, and leg movement event types*.

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OK Canoal

Full PSG licenses *cannot* be used to analyze PG studies performed with Alice NightOne or Alice PDx.

Activating the Somnolyzer License

- 1. Once you have purchased your license type, you will receive, via post, a serialized license sheet with a Proof of Purchase (POP) code. This POP code must be entered in the Somnolyzer Licensing pop-up window within Sleepware G3.
- 2. To enter the POP code, double left-click on the Somnolyzer Licensing Icon. In the Somnolyzer Licensing window, enter the POP code and select **Generate a Registration Code**. A Registration Code will be generated automatically.



Somnolyzer Licensing Icon in Sleepware G3

Somnolyzer Quick Start Guide

*The Somnolyzer column for event selection is not visible prior to license activation.

3. To obtain the activation key, this POP and Registration Code will be emailed to our Philips Respironics automated email address at: si-act@philips.com.

E-mailing steps:

- a. Select Copy to Clipboard.
- b. Open your email application and compose a new e-mail.
- c. Enter this address in the "To:" section: <u>si-act@philips.com</u>.
- d. Paste the copied information from the Clipboard (step a) by right-clicking in the body section of the e-mail and selecting **Paste** from the pop-up menu or by pressing Ctrl+V on the keyboard.
- e. Complete ALL of the customer information fields (see image on page 4).
- *f.* Send the e-mail.
- g. If the information you entered is valid, you will receive the Activation Key within minutes.

vation Usage		
OP Registration		
Register your POP N Enter the POP Numb Registration Code" b	er from the License sheet. Th	en, click the "Generate
OP:	9XRE-492U-779A	Generate Registration Code
legistration Code:	42AL-TGF4-H3LS	Copy to Clipboard
i-act@philips.com wit	nics at 1-800-345-6443 or 1-7. h generated registration code	
-act@philips.com wit		
i-act@philips.com wit Activation Activate your licens	h generated registration code	to receive the activation key.
i-act@philips.com wit Activation	h generated registration code	

Somnolyzer Licensing Window and Steps to Activate Licenses

*Note: You must have emailing capacities from the computer in which you are activating licenses. If you do not, you can call our Philips Respironics Product Support team to obtain the Activation Key.

(North America: 1-800-345-6443, International: 1-724-387-4000)

Note: You must complete all customer fields in order to receive the Activation Key. The example below highlights the minimum amount of customer information that must be completed:

From: CustomerName@customeraccount.com Sent: Wednesday, January 25, 2017 10:33 AM To: Somnolyzer_Inside_Activation (Functional Account) < <u>si-act@philips.com</u> > Subject: First SLAP-BOT activation
POP: 9WRE-7D3Z-6A2S
Registration Code: 4LSW-C8F4-H3LS
Please provide following contact details.
Business Name:
Contact Person:
Address Line 1:
Address Line 2:
City:
<mark>State:</mark>
Country:
Phone:
Fax:

4. When you receive the Activation Key, enter it into the space provided. If using e-mail to receive your activation key, you can use the 'Copy and Paste' function to copy and paste the key into the space provided. Once the Activation Key is entered, click on **Activate Licenses**.

A successful activation message will display showing the type and number of licenses purchased.

Email: Website:

Viewing Somnolyzer Licenses and Setting Alerts

- 1. To view this activation and your license activity, select the **Usage** tab within the Somnolyzer Licensing window. The Usage tab allows you to view license activity.
- 2. To view the Activated License Types, click on the Select License Type drop-down list. In this example, both Somnolyzer PSG and Somnolyzer Respiratory Only license types have been activated:

omnolyzer Licensing	
ctivation Usage	
Usage Statistics	
Select License Type: Remaining Uses:	Somnolyzer PSG Somnolyzer PSG Somnolyzer Descratery Only
Usage Alerts	
🗵 Remaining Uses Less than:	50
Licensing Activity Log	
	OK
med Options	

Somnolyzer Licensing Window Usage Tab

- 3. Once the License Type is selected from the drop-down list, the *remaining number of uses* are displayed.
- 4. You can choose to set a "Usage Alert" limit by selecting the check box next to "Remaining Uses Less than," and entering the desired number in the space provided. When the number of remaining licenses drops below this limit, a message is displayed by Sleepware G3. This is a reminder to order more licenses.
- 5. The License Activity Log displays all licensing activity. Select **View** to see license types activated, acquisitions that have been analyzed, the Sleepware G3 user, and the date and time of the activity.
- 6. Select **Clear** to erase the activity log

Somnolyzer Analysis in Sleepware G3

PG (Alice NightOne and Alice PDx) studies are analyzed by Somnolyzer upon import. The Respiratory Only Analysis Parameters are applied. The results are available within minutes of download.

For a Full in-lab PSG, the Somnolyzer analysis occurs in *real-time* and includes sleep staging, leg movements, nasal, respiratory, and desaturation event scoring. This scoring provides high quality staging and event scoring that allows the night tech to easily track an ongoing tally of sleep efficiency and sleep time as well as event summaries such as RDI, AHI, and leg movements on the Summary Information Panel. There will be an approximate lag of 7-8 minutes in scoring from current time as Somnolyzer thoroughly analyzes and evaluates the signals for scoring. The confidence trend appears within minutes after the study has ended.

Set Lights Off and Lights On during testing to ensure the sleep time and efficiencies are tallied from this moment. To set Lights Off and Lights On, use the icon on the toolbar or right-click on the Raw View window to choose the Lights Off or Lights On time stamps from the dropdown menu at the appropriate times.

When analysis by Somnolyzer is complete, a color-coded Confidence Trend is produced to guide a clinician to areas of a study that need a more careful review. The scoring of Somnolyzer in areas indicated as green is highly plausible and so can be the confidence in the scoring. Areas of a study coded red, warrant a closer review of the raw data for the accuracy of the scoring.

For Respiratory Only, there are 2 confidence trends available: Respiratory Event Type Confidence and Respiratory Event Confidence.

For a PSG study, there are 3 different confidence trends available: Staging/Arousal Confidence, Respiratory Event Type Confidence and Respiratory Event Confidence.

Resp Event Confidence					
Resp Event Type Confidence					
Staging/Arousal Confidence					
7:55:23 PM	1078	N TOLOG PM	11:00 794	12:00 AM	1:37 AN
Entire Study 🔹	H H K			11	

Example of Full PSG Confidence Trend

Green = High Confidence. The scorer can be confident that this portion of the study had quality signals for reliable scoring. Minimal attention when viewing the raw data is required and a fast scrolling speed can be applied.

Yellow = Moderate Confidence. The scorer can be moderately confident that this portion of the study had quality signals for scoring. Moderate attention is required when reviewing the raw data.

Red = Low Confidence. A detailed epoch-by-epoch review of the raw data is recommended in red areas.





Sleepware G3 Training Module

Alice NightOne Quick Start Guide

Preparing the Device

- 1. Remove battery cover from the back of the Alice NightOne device.
- 2. Place the Oximetry Module connector into the connection on the Alice NightOne device (bottom left corner).
- 3. Secure the cable in place with the screw provided.
- 4. Insert 2 new AA batteries with (+) ends matching (+) symbol on the bottom of the battery chamber (batteries not included). (Battery Life: 10-12 hours of recording)
- 5. Next, add the device to Sleepware G3 by connecting one end of the USB cable to the Alice NightOne device, and the other end to the computer running Sleepware G3. Sleepware G3 will automatically detect the device and add it to the toolbar. It will remain there until removed manually. Or, you can add it manually by selecting **Devices** on the Sleepware G3 toolbar. Then, **Add Device**>Alice NightOne>OK.

File	Edit View	Scoring	De		Report	Video	Tools	Workspaces	Window	Help
1	Bed_: Awaiting Acc			Add	Device					
-		Start Page	1	Bed_	1	•				

Adding the Device to Sleepware G3

Create Configurations

Use the Build Channel Configurations tool to create your configurations/list of channels to be recorded. (The Alice NightOne device does not have to be connected to the computer to create your configurations/list of channels. Your selections will be stored on your computer.) The configuration files are located by default: (Windows 7) C:\ProgramData\PhilipsRespironics\SleepwareG3\Configuration\AliceNightOne

<u>F</u> ile	<u>E</u> dit <u>V</u> iew	<u>S</u> coring	Devio	Configuration Name:	Basic_OSA	
	Alice NightOne No signal			Basic Channels		
N	No signal			Pressure Flow (Cannula) Thoracic Effort		Body Position Snore
	Configure Device Connect to Therapy Device View Device Information View Good Study Statistics Build Channel Configurations			Sp02 Therapy Channels Therapy CpAP EPAP/IPAP Note: If you will be using an Advanced Therapy mode, such as autoSV or AVAPS, choose the EPAP/IPAP setting above, as these are the only channels available.		
B						
R	emove Device			Labels OK Cance		

Creating your Configurations

You can create configurations for basic diagnostic testing as well as for therapeutic testing. Alice NightOne can connect wirelessly to any Philips Respironics (CPAP, BiPAP, autoPAP, AutoSV and AVAPS) device having *Bluetooth*[®] capability, including available Philips Respironics devices with the *Bluetooth* Accessory Module installed or internal *Bluetooth* functionality.

Loading Information onto the Device for a Study

- 1. Remove the battery cover on the back of the Alice NightOne device.
- 2. Connect one end of the USB cable to the Alice NightOne device.
- 3. Connect the other end of the USB cable to the computer with Sleepware G3 installed.
- 4. Sleepware G3 will automatically detect the connection and, after a short while, go from No Signal to IDLE. The Good Study Indicator (GSI) will illuminate, as shown in the image on the right below, letting you know communication with the device has been successfully established.



Loading Configuration and Patient Information onto the Device

- 5. Click on the dropdown arrow on the Alice NightOne toolbar, and select **Configure Device.**
- 6. Add Information under the tabs: Main, Patient Stats, Auto Start, and Good Study Indicator. *Note: Patient Information cannot be edited post-acquisition unless the database is connected.
 - o <u>Tab 1: "Main"</u>
 - Enter the patient's name, birth date, gender, and Patient ID.
 - Select the desired configuration.
 - View the device storage status (internal memory).
 - <u>Tab 2: "Patient Stats"</u> Enter the patient's height and weight (BMI is auto-calculated).
 - <u>Tab 3: "Auto Start"</u> (Since Alice NightOne has Auto-On feature, only under unusual circumstances is there a need for Program Start.)
 - <u>Tab 4: "Good Study Indicator (GSI)"</u>
 - Enable GSI.
 - Indicate Good Study Target Duration.
 - Select Channels to be evaluated for GSI.
- 7. Click the *Send* button. The information will be sent to Alice NightOne. If a diagnostic configuration is used, the device is ready for testing!

PAP Configuration

- 8. If a PAP configuration is being utilized, keep Alice NightOne connected to the computer in the **IDLE** status.
- 9. In Sleepware G3, access the dropdown menu for Alice NightOne in the device display area. Select **Connect to Therapy Device**.
- 10. Select the type of wireless connection: Bluetooth via Bluetooth Accessory Module or Bluetooth built into CPAP. If you choose Bluetooth via Bluetooth Accessory Module, enter the last 4 digits of the accessory module serial number in the space provided. If you choose Bluetooth built into CPAP, enter the last 4 digits of the therapy device serial number.
- 11. Select OK.
- 12. When both devices are powered on, they can be synched. Follow the *Bluetooth* Accessory Module pairing instructions to initiate this synchronization. For Alice NightOne, all that is necessary is to power



on the device. The wireless connection icon on the Alice NightOne device will be solid green when it is successfully paired to the therapy device

Retrieving Data from Alice NightOne after a Study

- 1. Remove the battery cover on the back of the Alice NightOne device.
- 2. Connect one end of the USB cable to the Alice NightOne device.
- 3. Connect the other end of the USB cable to the computer with Sleepware G3 installed. (Studies are stored on the internal memory of Alice NightOne. The device has a 4 GB memory with average study sizes of 50 MB).
- 4. Sleepware G3 will detect the Alice NightOne for download, and show a message stating, "Entering download mode." If this does not happen automatically, select File>Import>Alice NightOne data. The Alice NightOne Download Utility will open showing the studies contained in the device memory.
- 5. Place a check mark in the box in the "Import" column for the patient whose study you would like to import.
- 6. Select **Import**. You will get an import status message and a message stating the download was successful.
- 7. If importing one patient only, this study will open in Sleepware G3. If importing multiple studies, the patients will appear on the Start Page of Sleepware G3. Double click on the patient name to open the recorded study and begin scoring.







G3 Training Module



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WHAT IS CAPNOGRAPHY?

Capnography is:

- Used in diagnosis of complex patients
 - Obesity Hypoventilation Syndrome
 - COPD

We've made it simple as a USB plug!





REORDER NUMBER

1101087 Alice, LoFlo starter kit (LoFlo, sampling line 10 pk, Alice LoFlo USB cable, and cannulas)

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.



SETTING UP LOFLO FOR ALICE

System Requirements

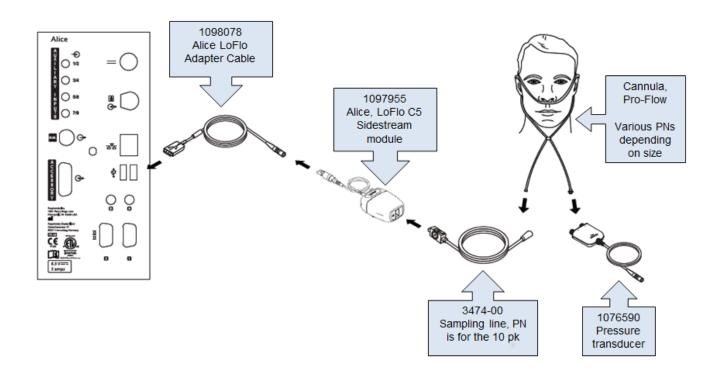
Alice 6 PSG system

- Sleepware G3 v3.3.1 or higher
- Alice 6 firmware R6 or higher

Alice 5/LE PSG system

- Sleepware G3 v3.3.1 or higher
- Alice 5/LE firmware v 1.9.0 or higher (available May 2013

Connecting LoFlo to Alice



* Note: Screenshots are from the Sleepware G3 Software and Online Help.

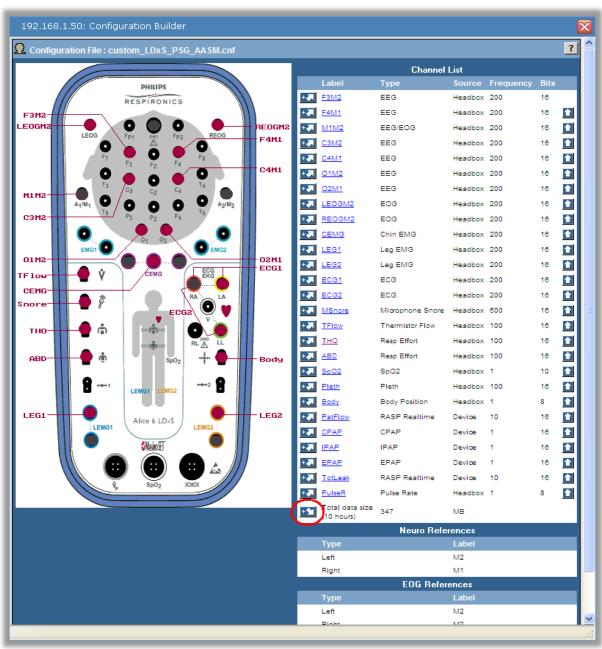
Open General Settings from Sleepware

Choose a Configuration to Edit

192.168.1.50: Configuration Builder	×
Ω Configuration Builder	?
LDe_PSG LDe_Voltmeter	
LDxS_ASV	
👤 LDxS_MSLT	
LDxS_SeizureResp LDxS_Voltmeter	
<u>•</u>	
custom_LDxS_PSG_AASM	
Default Configuration : LDxS_PSG	
N	New Store To PC Load From PC

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.





Click the insert arrow at the bottom of the channel list.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.



In the Select Input Type window, scroll to the bottom of the Channel Type list, click on LoFlo, and then click the Select button.

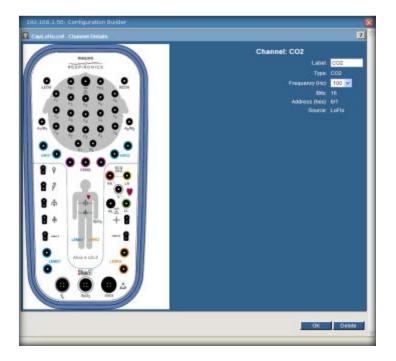
192.168.1.50: Configuration Builder		X
Ω Select Input Type		?
Channel Type:	EOG ECG Flow Resp Effort Snore Pleth SpO2 Body Position Pulse Rate Actimeter PR Therapy Device Patient Circuit Aux Input LoFlo	
		Select Back

Choose CO2 from the submenu then enter a channel label name and click the OK button.

192.168.1.50: Configuration Builder			×
Ω Select Channel			?
Channel Label:			
	CO2 EtCO2		
	EICO2		
Input Channel:			
		ОК	Back

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

Enter custom name for channel label if desired. Repeat for EtCO2 channel.



Go to the General Settings page of the Base Station and enter Elevation.

192.168.1.50: General Settings		
General Settings		?
Serial Number:		
Last Acquisition Number:		
Language:		
Notch Setting:	○ 50 Hz	
Left EEG Channels Reference:	M2 💌	
Right EEG Channels Reference:	M1 🐱	
Left EOG Channels Reference:	M2 🐱	
Right EOG Channels Reference:	M2 🐱	
Friendly Name:	LDx-003849	
Oximetry Averaging Time:	O 3 Seconds (Avg.)	
	• 5 Seconds (Avg.)	
	O 8 Seconds	
CEMG Re-Referencing Impedance Threshold:	5000 🗸	
Installation Elevation:	1200 O Meters O Feet	
Data Recipient IP Address:	192.168.1.100	
Initiate zero point external therapy pressure calibration:	Start	
	0	K Cancel

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.



USING THE LOFLO SENSOR WITH SLEEPWARE G3



Starting an Acquisition

- Start an acquisition normally.
- If there is a LoFlo channel in the configuration, the device button will show "Starting Acquisition" and turn orange.

1	😙 Sle	epware	G3								
	<u>F</u> ile	<u>E</u> dit	<u>V</u> iew	<u>S</u> coring	<u>D</u> evices	<u>R</u> eport	Vide <u>o</u>	<u>T</u> ools	Wor <u>k</u> spaces	<u>W</u> indow	<u>H</u> elp
	<u>F</u> ile		Room 6 ng Acqui		<u>9</u> %	•					
	Con	figurati		art Page							
	<u>i</u>	ð 🚽	47 (°	18 R							

Warming up

- Once the acquisition is running, the LoFlo takes 30-60 seconds to warm up.
- Device button will remain orange and the message will read "LoFlo Warming Up".

Gi Slee	epware G	63 - Cap	ono, Capno	(April 16, 19	72)					
<u>F</u> ile	<u>E</u> dit	<u>V</u> iew	<u>S</u> coring	<u>D</u> evices	<u>R</u> eport	Vide <u>o</u>	<u>T</u> ools	Wor <u>k</u> spaces	<u>W</u> indow	<u>H</u> elp
R		loom 6 Warmin		<u>e</u> %	•					
Conf	figuratio	n Sta	art Page	Capno, Cap	no ×					
😂 🖄	y 🗔 (*	20	🖩 R	121 🖨 😨	□ 14	🖓 💡 🗄	2 😂 A	<u>~~~~</u> ⇒	⊼‱≫	XX HIIH HH
	Data Ma	arkup		1						
efault	F3M2		_			••····				
	F4M1			•		~ ₩+ ~~ ₩ <u>₩</u> ₩₩₩₩				
	C3M2				·····	····				

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.



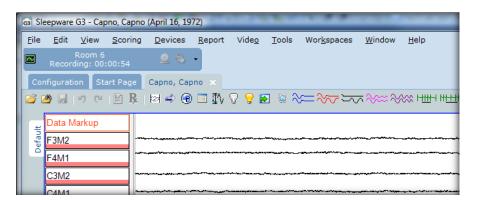
Zeroing

- After the LoFlo is warmed up, it is zeroed.
- This takes another 30-60 seconds.
- Device button will remain orange and the message will read "LoFlo Zeroing".

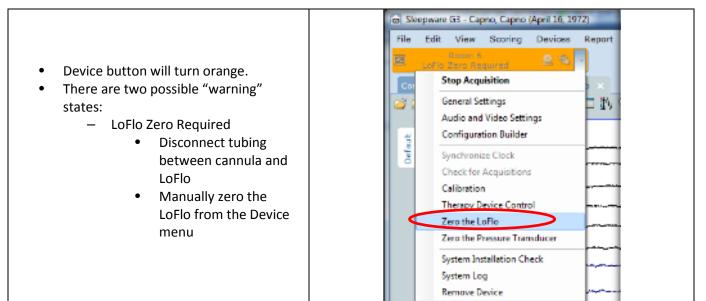
G3 Sle	epware G	3 - Cap	ono, Capne	o (April 16, 19	972)					
<u>F</u> ile	<u>E</u> dit	<u>V</u> iew	<u>S</u> coring	<u>D</u> evices	<u>R</u> eport	Vide <u>o</u>	<u>T</u> ools	Wor <u>k</u> space	s <u>W</u> indow	<u>H</u> elp
		oom 6 DZeroi		🧕 %	•					
Con	ifiguration	1 Sta	art Page	Capno, Ca	pno ×					
🗳 Ø	🛎 🖂 (*	9 (*	1 🖩 Ŗ	। 🖾 🖨 🥳) 🗖 🏠	🖓 💡 🖡	N 🛞 🛛	≈∞≈=	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	xxx HIIIH MHH
	Data Ma	rkup						_		_
efault	F3M2	-	-			**************************************				
a a	F4M1		-				·····			·····
	C3M2								~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
	CAMI									···

Normal

- Once the LoFlo has been successfully zeroed, the device button will turn blue.
- Message will be standard "Running" with the duration shown.
- At this time, the tubing between the LoFlo and the cannula should be connected.



Warnings



* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.

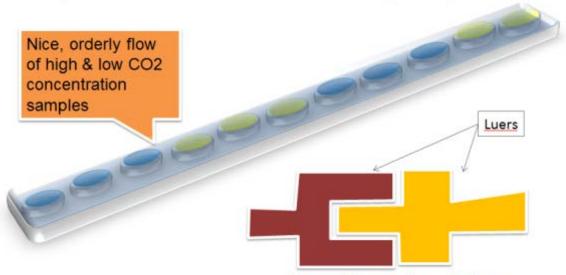


ONLINE HELP

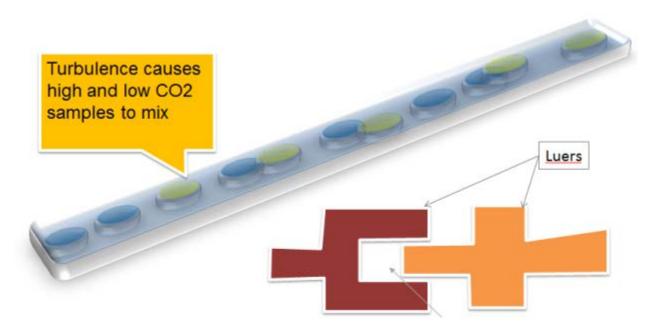
😵 Sleepware G3					
← ⇔ ∰ ffr Back Forward Print Options	_				
Contents Index Search Favorites	-	s and Actio		the LoFlo device and the corrective	e actions to be taken.
Device Display Area Start and Stop Acquisitions from Alice 5/Alice LE Devices Alice 6 Devices	Warning #	Text shown in device button	Title	User Actions	Notes
Alice 6 Devices Alice 7 Dx Devices Alice 7 Dx Devices Connecting the LoFlo Modu P Configuring the LoFlo Modu P General Settings Warnings and Actions Configuration Tab Start Page Tab Acquisition Tab	20001	LoFlo warning: 20001	"Check LoFlo Connection"	 Check LoFlo connection to base station. Check that the sensor is properly plugged in. Reinsert or reset the sensor if necessary. If error persists, replace LoFlo's USB cable. If error persists, replace LoFlo. 	
Inter-Scorer Reliability Reports Data Management	20002	LoFlo warning: 20002	"Pump Life Exceeded"	Replace LoFlo.	
G3 Lite		1-51-		1. Remove source of external excessive heat or replace	Make sure

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.

SPECIAL LUER TO FIT SAMPLING LINE



Our cannulas are engineered so luers meet with minimal dead air space.



Luers on other cannulas can have too much dead air space, causing turbulence in sample stream. Wave forms are then rounded especially at higher respiratory rates.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

TIPS AND HINTS

- Use LoFlo specific Pro-Flow cannulas
 - Matching of luers important for sharp wave forms
- LoFlo signals will be 3 to 5 seconds behind
 - Nature of side stream monitoring
 - Gas must travel from nose to device
- After updating a Base to R6, make sure to reboot





i

Consult the Sleepware G3 and LoFlo manuals for additional information.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

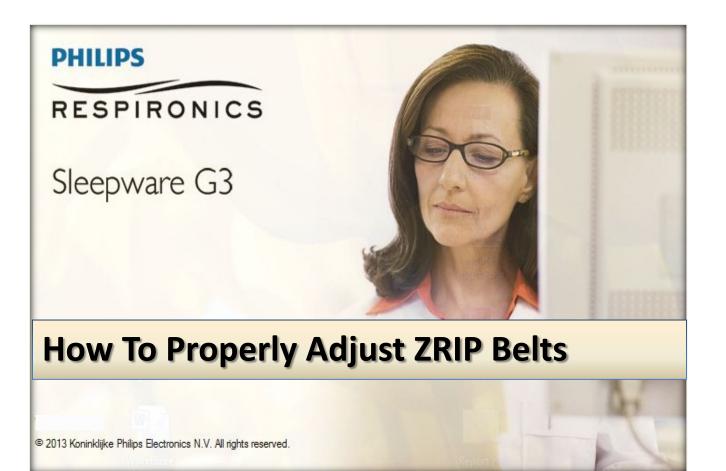
* Disclaimer: Screenshots may change based on software version

1104386 R02 JDW 08/06/2014

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PHILIPS sense and simplicity

G3 Training Module



* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.



How To Properly Adjust ZRIP Belts

ZRIP belts must be fitted correctly in order to generate an accurate amplified signal. Any adjustment to the belts must be done while the patient is <u>upright</u>, unlike the piezo belts, which can be adjusted while the patient is lying down. The ZRIP belts should be neither too loose nor too tight.

*** Tightening them too tightly is just as bad as having them too loose!

The buckles should be 4-5 inches apart, when checking for fit. If the buckles are more or less than 4-5 inches, then the belts need to be adjusted.

Place the ZRIP belt lightly against the body to measure the fit - as you would before you click the belt buckles together.

* DO NOT PULL THE BELTS TIGHTLY WHEN CHECKING FIT.

The buckles should be 4-5 inches apart, when checking for fit. If the buckles are more or less than 4-5 inches, then the belts need to be adjusted.

TO INCREASE THE BELT SIZE:

Grasp the belt buckle in one hand.



With your other hand, grab the bottom belt loop, and pull it away from the belt buckle.



* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.

Once you've pulled the belt as far as needed, rest your thumb on the top belt (note left thumb holding buckle and belt) so it doesn't move.

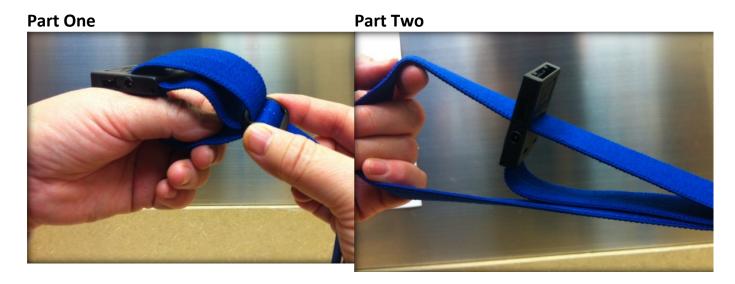


Grasp the main belt on an area PAST the slide lock, and pull away from the buckle. This will lengthen the main belt. You can adjust the belt equally from both sides or from one side.



* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.

TO REDUCE THE BELT SIZE:



Next, grab the belt buckle in one hand, and the slide lock in the other, then pull them apart. This will draw up the main belt and make it smaller.



According to the ZRIP instruction manual (**REF** 1073858), "The chest belt should be across the lower third of the breast bone."

The abdominal belt should be positioned over the navel, or as close to it as possible.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.





1104385 R01 JDH 07/19/2013



Consult ZRIP instructions for use for more information.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

Sleepware G3 with Somnolyzer

Training Module

Report feature: Electronic Signature Finalizing Reports







Objectives

- Set up or edit user profiles for Electronic Signature use.
- How to add the Electronic Signature report code to a report template.
- Add multiple signatures to a report.
- The rules for using Electronic Signatures.
- Finalize a report.
- Finalization options.

Setting up a user profile for electronic

signature

	Users			\mathbf{X}
	Security			
Users	🔽 Manage use	irs		
	User Names			
	Sleepware			
Groups Users	Oomain:		-	
	📝 Remember i	username of last user		
	Username /	Last Name	First Name	Add
	Bob	Smith	Bob	Modify
	Dawn Doctor			Delete
	Somnolyzer			
	Towanda	Penrod	Dawn N OK	Cancel
	Shared Options			

To use electronic signatures, you must be utilizing the 'manage users' feature in Sleepware G3. In the User Names area, select either the Sleepware or Domain option. If Sleepware is selected, users will have a username and password (password is optional) when logging into Sleepware G3 and when using Electronic Signature.

Domain users

Users				
Security				
📝 Manage us	ers			
User Names				
Sleepware				
Oomain:	code1.emi	.philips.com	•	
Remember	username of la	ast user	Title	Add
Bob	Smith	Bob	Medical Director	
Dawn Doctor Somnolyzer	C.I.I.I	200		Modify Delete
Towanda	Penrod	Dawn	Global Product Manager	
Image: A marked and the second sec		III		

If Domain is selected, users will use their Windows username and password for electronic signature. If the **Domain** option is selected, when users are added to Sleepware G3, a list of domain names is presented. Any domain name can be added as a Sleepware user. With this option, a separate Sleepware login is not required when launching Sleepware and this login and signature will be used to electronically sign the reports.

Adding a new Sleepware user profile

New User		X
Settings Privileges		
User Name:		
Password:	(No Password)	
E-mail:		
Last Name:		
First Name:		
Middle Name:		
Suffix:		
Title:		
Groups:	Groups Global Administrator Physicians Scorers	
Account is Locked	I Contraction of the second	
	OK Cance	

When the Sleepware option is selected to manage users, a Sleepware user name must be added. The password is optional, even for electronic signature. A user's **First** and **Last Name** are the only required fields for the user to electronically sign reports. **Suffix (Post-nominal letters or credentials)** and **Title** are not required; however, if added to the user profile, they will be added to the electronic signature. Example of a user's electronic signature using first name, last name, title and suffix. The date and times are stamped automatically and based on computer time.

User	User: Towanda			\mathbf{X}	X	
Sec	Settings Privileges					
v 1	User Name:	Towanda				
Use	Password:	(No Password)				
() S	E-mail:					
0	Last Name:	Penrod				
	First Name:	Dawn				
 R	Middle Name:					
Userr	Suffix:	RPSGT, RRT		Ī		
Bob	Title:	Global Product Manager		6	у	Suffix
Dawr Docto Somr Towa	Groups:	Groups Global Administrator Physicians Scorers		t	e	(Post-nominal letters or credentials)
<	Account is Locked		Global	Pr	odu	y signed by: Dawn Penrod, RPSGT, RRT let Manager (Title) and time: <u>8/26/2016</u> <u>11:09 AM</u>
Shared		ОК	Cancel			

Example of a user's electronic signature using first name and last name only. The prefix or honorific "Dr." was added to the First Name field so that this would display with the user name on the report

User: Towanda		X	
Settings Privileges			
User Name:	Towanda		
Password:	(No Password)		
E-mail:			
Last Name:	Penrod		
First Name:	Dr. Dawn		
Middle Name:			
Suffix:			
Title:			
Groups:	Groups Global Administrator Physicians Scorers		nically signed by: Dr. Dawn Penrod date and time: <u>9/14/2016</u> <u>3:45 PM</u>
Account is Locked	1		
	OK	Cancel	

The \$ESignature\$ command must be added to the template on which a report is based *before* the report is generated. The command can be placed anywhere in the template, but it is recommended that it be placed near the bottom or end of the report.

Finding your report templates: Open Sleepware G3 > Configuration Page > Report Generation > Report Templates

	Report Generation	×
	General Virtual Templates Finalize	
A	Input	
Report Generation	Report Templates: C:\Program Files (x86)\Philips Respironics\Sleepware G3\Report Browse	-
	Output	
	Store report output in acquisition folder	
	Report Output: (ACQUISITION FOLDER) Browse	
	☑ Keep report.txt file	
	Display stage labels in hypnograms	
	Fill hypnograms	
	Display grid lines in hypnograms	
	On't display grid lines in hypnograms	
	Use HYPNOGRID command in template to control grid line display	
		$ \square \parallel$
	OK Cancel	

You will see your report templates location listed under the Input section. In this example the path is C:\Program Files (x86)\Philips Respironics\Sleepware G3\Report. You can copy and paste this location to Windows Explorer to quickly find it or you can browse to this location starting with the windows Starter icon.

⁸ Once the report folder is found, you will select the report type folder, for example PSG or MSLT.

C:\Program Files (x86)\Philips Respironics\Sleepware G3\Report\PSG

🗸 🖉 🗣 k Computer 🔸 (C:) System 🕨 Program Files (x	86) Philips Respironics Sleepware G3 Report PSG	
Organize 🕶 💽 Open 🕶 Print E-mail New f	older	
Name	Date modified Type Size	
길 Lite	7/6/2016 11:01 AM File folder	
🗃 3.5 Neuro	3/9/2015 9:49 AM Rich Text Format 7,810 K	в
A checkrtf	7/6/2016 8:51 AM Application 12 K	В
G3 3.5 _PSG_CAT1_012015.old	3/28/2016 2:06 PM OLD File 440 K	В
🗃 G3 3.5 _PSG_CAT1_012015	8/11/2016 4:45 PM Rich Text Format 440 K	В
G3 3.5 _TITRATION_CAT1_012015	2/6/2015 3:34 PM Rich Text Format 672 K	В
🗃 G3 3.5 AUTO SV_CAT1_012915	1/29/2015 4:14 PM Rich Text Format 457 K	В
G3 3.5_SPLIT_CAT1_012015	2/6/2015 3:45 PM Rich Text Format 888 K	в
🛗 math	1/9/2015 2:47 PM Text Document 137 K	В
🖬 Neuro_Portable_Sample	3/2/2015 12:09 PM Rich Text Format 1,115 K	В
Weuro_PSG_Interp_Sample	8/22/2016 2:31 PM Rich Text Format 2,909 K	В
🔟 Neuro_SPLIT_Sample	7/6/2016 9:12 AM Rich Text Format 3,124 K	В
🗃 NightOne Diagnostic with Interp	12/8/2015 9:07 AM Rich Text Format 468 K	В
💼 NightOne Portable Interp Only 10-06-15	12/3/2015 9:58 AM Rich Text Format 316 K	В
🗃 NightOne Portable Report with Interpretation	12/3/2015 10:21 AM Rich Text Format 621 K	В
💼 NightOne Portable Report with Rx 10-06-15	10/6/2015 2:47 PM Rich Text Format 560 K	В
🗃 NightOne with Titration and Interp	12/8/2015 10:08 AM Rich Text Format 500 K	В
Pneumo_PSG_Sample	7/6/2016 9:12 AM Rich Text Format 2,899 K	В
🗃 Portable Sample NIGHT ONE Interp	4/20/2015 11:02 AM Rich Text Format 2,273 K	В
🕢 Portable_Sample	8/11/2016 5:00 PM Rich Text Format 2,385 K	В

Browse to the report in which you'd like to add the electronic signature report command. Double left click on that report to open it. In this example we will use the Neuro_PSG_Interp_Sample report.

Adding the \$ESignature\$

The command can be placed anywhere in the template, but it is recommended that it be placed near the bottom or end of the report.

\$EasyText 1,Number\$	\$		
Recommendations			
\$ <u>EasyText</u> 2,Number\$	5		

Even if multiple electronic signatures will be added to the report, it is necessary to add the code only once to the template.

To electronically sign a report: Open a patient record and select Report > Electronically Sign

File	Edit	View	Scoring	Devices	Report	Video	Tools	Workspa	ces	Window Help
∢		Simulato ing Acqu		- 😣	Ger	nerate PS	G Report	(s)		
Cor	ifigurati		art Page	none, none		nerate MS nerate Pre				
<i>6</i>	<u>*</u>	69 49	(~ 📓	Ŗ 🖾 🚅		ort Repor			N1	N2 N3 NS 🕂 — 🧳 🖛 🚍 🦘 🔶
×	Data N			r (()	Elec	ctronically	' Sign	•		00002165-A5BS00961-Neuro_PSG_Interp_Sample.rtf
ata 🤉	P-FLO	· · · · ·			Fina	alize		+		00002165-A5BS00961-Neuro_PSG_Sample.rtf
w Dat	T-FLO ^V THOR				Vie	w		•	\prod	

Verify User		$\overline{\mathbf{X}}$
Please enter your Sleepware p	password to verify your identity.	
Password:		
	ок	Cancel .::

When signing the report, select the report in which you want to include an electronic signature. Since there are two reports to choose from, we know that two reports have been previously generated. Select the report Neuro PSG Interp Sample in which the Esignature report code has been added to the template. Once selected, you will be prompted to enter your password. Once entered, or if you do not have a password, select OK.

Electronic Signature pop-up messages and status bar

Sleepwa	rare G3	
(į)	After your electronic signature has been added to the report, it cannot be regenerated or modified, except for additional signatures being added.	
	Do you want to proceed with the electronic signing?	
🔽 Do n	not show this message again.	
	Yes No	
	Electronically Signing Reports	
	Converting report file 00040066-LEBS13009-Neuro_PSG_Interp_Sample.rtf to PDF	
	Cancel	

When electronic signature is executed for the first time, the message shown above is displayed. For the **Do you want to proceed with the electronic signing?** prompt, you can select Yes to proceed or No to stop the process if you think more changes will be made to the report.

If you prefer that this message not be displayed again, select the **Do not show this message again** option, then select Yes. A status bar is then displayed showing the progress of the report's generation and conversion of the report file from an RTF format to a PDF format.

The converted report

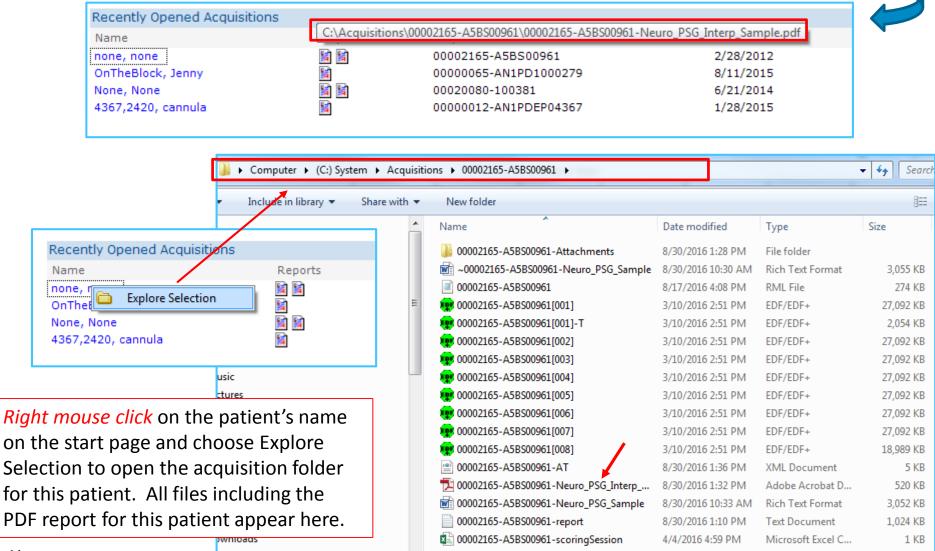


The .rtf report file that was converted upon signing will automatically deleted from the patient's acquisition folder. Only the .pdf file will remain.

The .pdf report file will also be visible and accessible from the Start Page.

report locations; easy access to reports

Hover the mouse pointer over the reports on the start page to view their location, name and file type



Adding a second electronic signature

Fil	e Ed	it V	iew	Scoring	Devices	Report	Video	Tools	Workspa	es	Window Help
\checkmark	Δω		ulator Acqui	sition	- 😣	Ge	nerate PS	G Report	t(s)	1	
			1	_			nerate MS	GLT Repo	rt(s)		
	Configur			rt Page	none, nor	Ge	nerate Pr	escriptior	n	_	
	i 🌁 🖌	4	5	(* 📓	Ŗ 🖾 🛥	Ex	oort Repo	rt Data		N1	N2 N3 NS 🕂 — 🤣 🖛 📼 🦘 🖈
	v ⊨ 🗕	a Mark	up		ry (y	Ele	ctronically	y Sign	•		00002165-A5BS00961-Neuro_PSG_Sample.rtf
	m	_OW	<u>(i</u>			Fin	alize		+		00002165-A5BS00961-Neuro_PSG_Interp_Sample.pdf
	THO		<u>.</u>			Vie	w		•		

🐻 Sleepware Login		
PHILI	PIRONICS	Electronically signed by: Dawn Penrod, RPSGT, RRT Global Product Manager Signed date and time: 8/30/2016 1:12 PM
Username: Password:	Bob	Electronically signed by: Bob Smith, MD Medical Director
Change Password	OK Cancel	Signed date and time: 8/30/2016 1:32 PM

A second user logs into G3 using her own username to execute electronic signature. This second signature can be added to the PDF file. An unlimited number of additional signatures can also be added to this PDF file. However, after finalization of the report, no additional signatures can be added. We will review finalization in upcoming slides.

Finalizing the report

With the patient record open, select, Report > Finalize

File	Edit View Scoring	Devices	Report Vide	o Tools	Workspac	es	Window	Help	
Conf	Simulator Awaiting Acquisition iguration Start Page	• 🖄	Generate	PSG Repor MSLT Repo Prescriptio	ort(s)				
💕 🖉) 🗟 49 19 (P 📓	Ŗ 22 🚅		port Data		⊳>	~~~~	: Xxxx Xxxx XXxx HIIIH HIIIH Imaa +++-	•
×	WK REM 1		Electronic	ally Sign	۲				_
E I	N1		Finalize		•	E)	00002165-	A5BS00961-Neuro_PSG_Sample.rtf	
aw Data	N2 N3		View		•		00002165-	A5BS00961-Neuro_PSG_Interp_Sample.pdf	
	vare G3							\mathbf{X}	
(į)	Finalizing a report cre modified.	ates the fina	I version of the	report. Afte	r the report	has b	een finaliz	red, it cannot be regenerated or	
	Do you want to proce	ed with the f	inalization?						
📃 Do	not show this message ag	gain.							
			Y	es	No				

Once a report is finalized, it cannot be regenerated or modified. If you find a report needs modified after finalization, you must first delete the finalized copy and step through the report Generation process from the beginning.

Note: It is possible to finalize a report that has not gone through electronic signature.

Finalize Actions:

Configuration Page > Report Generation > Finalize

Report Generation
General Virtual Templates Finalize
File Format
. Select the file format for the finalized version of the report:
PDF
◎ TIFF
s Additional Actions
Select additional actions to perform as part of a finalize operation:
Copy finalized report to folder
Copy Folder: C:\Acquisitions\Finalized Reports Browse
✓ Prefix name of copied report file with:
Export report results to HL7 service
HL7 Template: Outcomes - Template (Version 1.0).txt
OK Cancel
- Shared Options

The **Finalize** tab lists the actions taken by Sleepware G3 every time a report is finalized. The first option, File Format, allows you to select either **PDF** or **TIFF** for the finalized report. The default is PDF.

Additional Finalize Actions:

Configuration Page > Report Generation > Finalize

Report Generation			×
General Virtual Templates Finalize	a		
File Format			
Select the file format for the fina	lized version of the report:		
PDF			
C TIFF			
Additional Actions			
Select additional actions to perfo	orm as part of a finalize operation:		
Copy finalized report to folde	r		
Copy Folder:	C:\Acquisitions\Finalized Reports		Browse
Prefix name of copied rep	oort file with:	Patient Name 👻]
Export report results to HL7 s	ervice	Patient Name Patient ID Order Number]
HL7 Template:	Outcomes - Template (Version 1.0)	.txt v	
			OK Cancel
Prefix name of copied rep Export report results to HL7 s	port file with:	Patient Name Patient ID Order Number	

(Optional) You can select **Copy finalized report to folder**, then select a folder on the computer to house the report. You can also select the **Prefix name of copied report file with** option and select a prefix from the drop-down list: Patient Name, Patient ID or Order Number.

(Optional) You can select the **Export report results to HL7 service** option and select an HL7 report template from the drop-down list.

Finalized report locations

Additional Actions			
Select additional actions to per	form as part of a finalize operation:		
Copy finalized report to fold	er		
Copy Folder:	C:\Acquisitions\Finalized Reports		Browse
Prefix name of copied re	port file with:	Patient Name	

🚱 🔵 ♥ 🜗 ♦ Computer ♦ (C:) System ♦ Acquis	itions 🕨 Finalized Reports	ize Act	ons:
Organize 🔻 Include in library 👻 Share with 💌	New folder		
Name	Date modified	Туре	Size
Freud_Sigmund_w(00000011-AN1PDEP03290-Po		Adobe Acrobat D	228 KB
Done_none(00002165-A5BS00961-Neuro_PSG_In	8/30/2016 1:32 PM	Adobe Acrobat D	520 KB

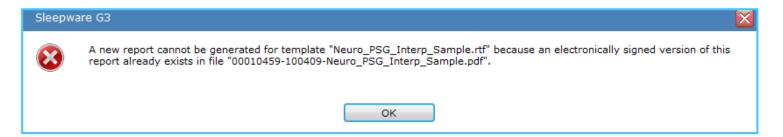
A location for finalized reports is usually specified when a customer is using the HL7 service. HL7 can be configured to this folder location to retrieve reports. A location for finalized reports can also be utilized by customers who wish to keep finalized reports in a central location for easy access. The feature that allows a report prefix to be assigned as patient name, patient ID or Order ID can help simplify the naming process for easy identification.

After finalization

File	Edit	View	Scoring	Devices	Report	Video	Tools	Workspa	es Window	Help	Only the .rtf file of a different report (Neuro PSG Sample) is visible.
\checkmark	Sir Awaiting	nulator g Acqui		- 😣			G Repor				The Neuro PSG Interp Sample report
Con	nfiguration	n Sta	rt Page	none, none			SLT Repo escriptio	•••			that was signed and finalized is not.
6	🛎 📙 41	19	🕫 ا 😫	B 🖾 🖨		ort Repo			ᠵᠵᠵᢌ	* ~~ ~	
×			WK_ REM 1		Ele	tronicall	y Sign	×			
Data 3			N1		Fina	alize		•	00002165	-A5BS00	0961-Neuro_PSG_Sample.rtf
v Da			N2 N3		Vie	w		•			

Once a report is finalized, it is no longer visible when accessing the Electronically Sign or Finalize menu.

The report that was electronically signed or finalized cannot be regenerated.



If it is necessary to recreate this report you must first delete it from the acquisition folder. A report that has been converted to PDF or TIFF through either electronic signature or finalization cannot be regenerated until the original is deleted.



Thank you

The screenshots are from the Sleepware G3 software and may differ from your version of Sleepware.



Lonsult Sleepware G3's online help for additional information.

1131618 R00 RPM 09/15/2016

Sleepware G3 with Somnolyzer

Training Module

Report feature: Pie, Bar and Column Charts







Objectives

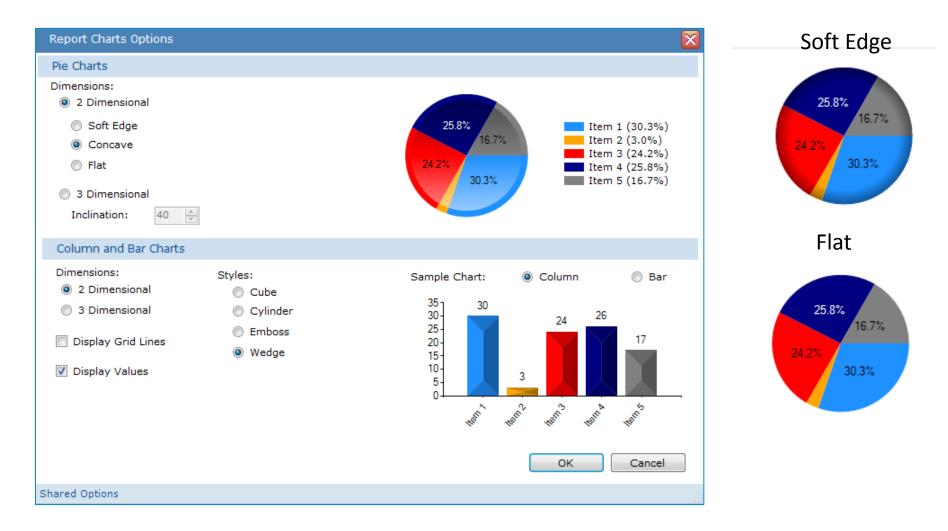
- Review pie, bar, and column chart settings in Sleepware G3.
- Adding report codes for charts you wish to use in your report templates.
- Finding the report codes for pie, bar and column charts in Sleepware G3's online help.
- Understanding the chart report code commands and sizing options.
- Selecting & generating a report that contains pie bar and column charts.

Sleepware G3 with Somnolyzer Configuration page settings for Report Charts



Report Charts Icon

Report chart options



Currently 2 Dimensional is selected for pie, bar and column charts

Report chart options

Emboss

10-

5-03

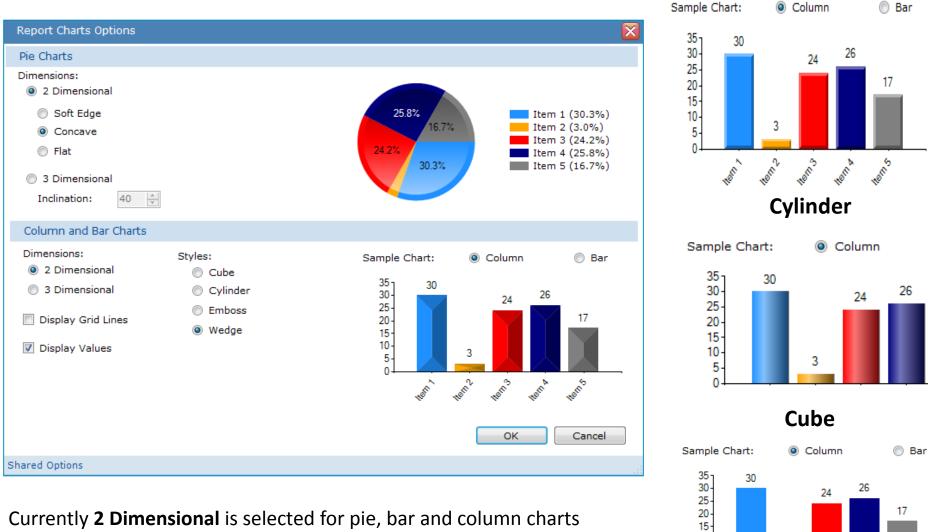
Hemil

Herry

Hem

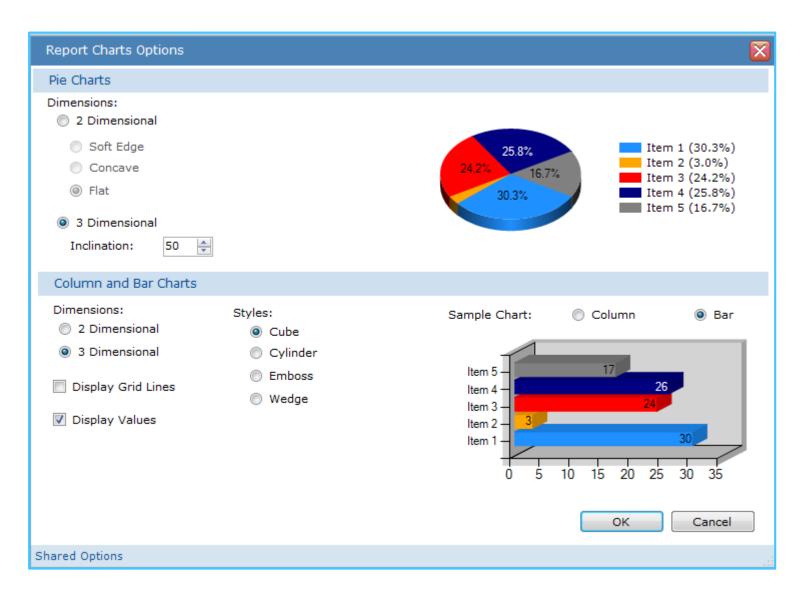
Hern's

Home

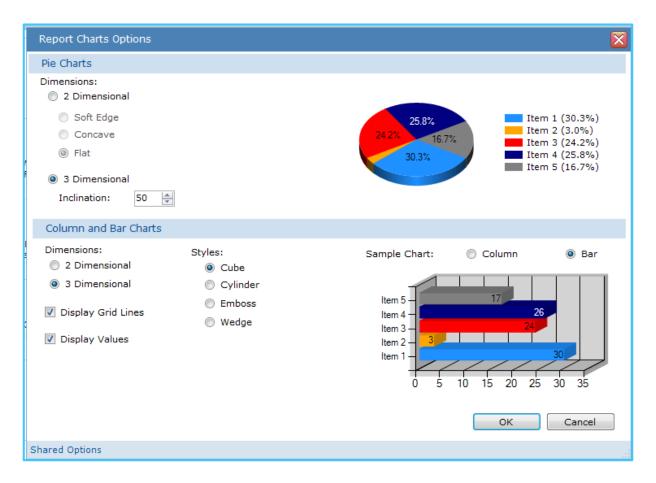


Currently 2 Dimensional is selected for pie, bar and column charts

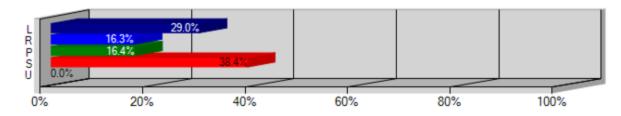
3 Dimensional options



Display values and grid lines for the column & bar charts



i.e. Body Position % displayed as 3 Dimensional bar chart, cube style



Report commands

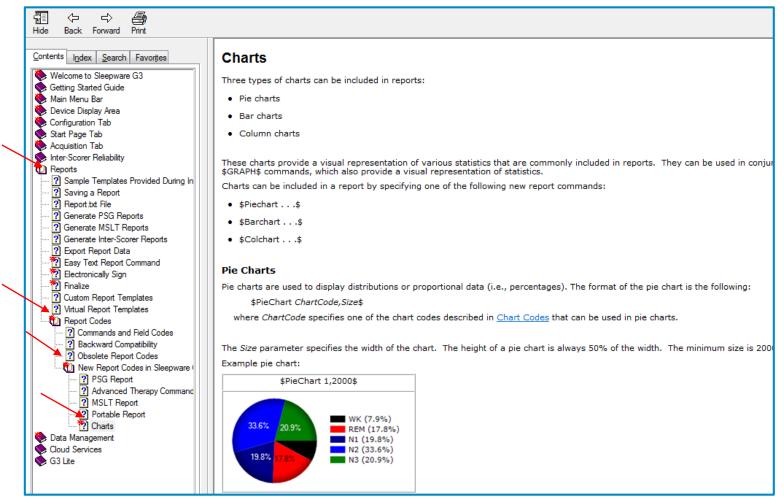
Charts can be included in a report by specifying one of these new report commands:

\$Piechart . . .\$

\$Barchart . . .\$

\$Colchart . . .\$

Finding report codes in the online help



Reports > Report Codes > New Report codes in Sleepware > Charts

To access the online help, press the **F1** key on the computer keyboard or, from the main menu in Sleepware G3, select the **Help** tab and **Contents** from the dropdown menu.

Finding your report templates

Report Generation		×
General Virtual Templat	es Finalize	
Input		
Report Templates:	C:\Program Files (x86)\Philips Respironics\Sleepware G3\Report	Browse
Output		
Store report output Report Output:	in acquisition folder (ACQUISITION FOLDER)	Browse
☑ Keep report.txt file		
 Display stage labels Fill hypnograms 	in hypnograms	
Display grid lines in	hypnograms	
Oon't display grid line	nes in hypnograms	
Use HYPNOGRID con	mmand in template to control grid line display	
		OK Cancel

To find your report templates, double left-click on the **Report Generation** tab on the Configuration page. The report templates location is listed under the **Input** section. In this example, the path is C:\Program Files (x86)\Philips Respironics\Sleepware G3\Report. You can copy and paste this location to Windows Explorer to quickly find it or you can browse to this location starting with the Windows Starter icon.

Browse to the report location and select the report to edit and add codes

	· .	1.10	180 X V	
🚱 🔵 🗢 📙 🕨 Computer 🕨 (C:) System 🕨 Program Files	s (x86) 🕨 Philips Respironics 🕨	Sleepware G3 🔸 Rep	ort ► PSG ►	✓ ⁴ → Search PSG
Organize 🕶 💽 Open 💌 Print E-mail Ne	w folder			i= • 🔟 🤅
Name	Date modified	Туре	Size	
] Lite	7/6/2016 11:01 AM	File folder		
🗃 3.5 Neuro	3/9/2015 9:49 AM	Rich Text Format	7,810 KB	
A checkrtf	7/6/2016 8:51 AM	Application	12 KB	
G3 3.5 _PSG_CAT1_012015.old	3/28/2016 2:06 PM	OLD File	440 KB	
🖬 G3 3.5 _PSG_CAT1_012015	8/11/2016 4:45 PM	Rich Text Format	440 KB	
G3 3.5 _TITRATION_CAT1_012015	2/6/2015 3:34 PM	Rich Text Format	672 KB	
📷 G3 3.5 AUTO SV_CAT1_012915	1/29/2015 4:14 PM	Rich Text Format	457 KB	
G3 3.5_SPLIT_CAT1_012015	2/6/2015 3:45 PM	Rich Text Format	888 KB	
📄 math	1/9/2015 2:47 PM	Text Document	137 KB	
Neuro_Portable_Sample	3/2/2015 12:09 PM	Rich Text Format	1,115 KB	
Neuro_PSG_Sample	8/29/2016 4:37 PM	Rich Text Format	2,913 KB	
💼 Neuro_SPLIT_Sample	7/6/2016 9:12 AM	Rich Text Format	3,124 KB	
🖬 NightOne Diagnostic with Interp	12/8/2015 9:07 AM	Rich Text Format	468 KB	
💼 NightOne Portable Interp Only 10-06-15	12/3/2015 9:58 AM	Rich Text Format	316 KB	
🖬 NightOne Portable Report with Interpretation	12/3/2015 10:21 AM	Rich Text Format	621 KB	
🐨 NightOne Portable Report with Rx 10-06-15	10/6/2015 2:47 PM	Rich Text Format	560 KB	
📝 NightOne with Titration and Interp	12/8/2015 10:08 AM	Rich Text Format	500 KB	
Pneumo PSG Sample	7/6/2016 9:12 AM	Rich Text Format	2.899 KB	

Once the report folder is found, select the report type folder, for example PSG or MSLT. Next, select the specific report in which you would like to add the chart code or codes. Double left-click on that report to open it and scroll to the section where you want to add the header and chart codes. You can add multiple pie, column and bar charts to one report. You can also add these codes to several reports.

Pie charts

Pie charts are used to display distributions or proportional data (i.e., percentages). Examples of this, which will be shown in subsequent slides, are to display sleep stage percentages or % of time in a body position.

The format of the pie chart report code text is: \$PieChart ChartCode,Size\$

The ChartCode specifies one of several chart codes that are used to display pie charts These codes are found in Sleepware G3's online help. The codes are also displayed on the next slide.

The Size parameter specifies the width of the chart. The height of a pie chart is always 50% of the width. The minimum size is 2000. If a smaller size is specified, the minimum size of 2000 will automatically be used instead.

Chart code table

Chart Code	Description	Chart Types	Restrictions
1	Sleep stage distribution (percentages) during TIB	Pie, Bar, Column	
2	REM, NREM, Wake distribution (percentages) during TIB	Pie, Bar, Column	Neuro stage types only
10	Sleep stage durations during TIB	Bar, Column	
11	REM, NREM, Wake durations during TIB	Bar, Column	Neuro stage types only
18	Wake before, during, after sleep durations	Bar, Column	Neuro stage types only
20	Sleep onset latency (from LOFF) and REM latency (from sleep onset)	Bar Column	Neuro stage types only
30	Body positions distribution (percentages) during SPT (neuro) or TIB (pneumo)	Pie, Bar, Column	
31	Supine vs. Non-Supine distribution (percentages) during SPT (neuro) or TIB (pneumo)	Pie, Bar, Column	
32	Body positions distribution (percentages) during TST	Pie, Bar, Column	
33	Supine vs. Non-Supine distribution (percentages) during TST	Pie, Bar, Column	
40	Body positions durations during SPT (neuro) or TIB (pneumo)	L. Column	
41	Supine vs. Non-Supine durations during SPT (neuro) or TIB (pneumo)	Bar, Column	
42	Body positions durations during TST	Bar, Column	
43	Supine vs. Non-Supine durations during TST	Bar, Column	
50	Event counts during SPT or TST (TIB or TST for pneumo) depending on whether events are kept in wake.	Bar, Column	
60	Event indexes during SPT or TST (TIB or TST for pneumo) depending on whether events are kept in wake.	Bar, Column	
70	RDI during SPT or TST (TIB or TST for pneumo) depending on whether events are kept in wake.	Bar, Column	
71	AHI during SPT or TST (TIB or TST for pneumo) depending on whether events are kept in wake.	Bar, Column	

For instance, if you wanted a Pie chart to display Supine vs Non-Supine distribution (percentage) during TST, the code would be 33 and entered in the report template as: \$PieChart 33, 2000\$

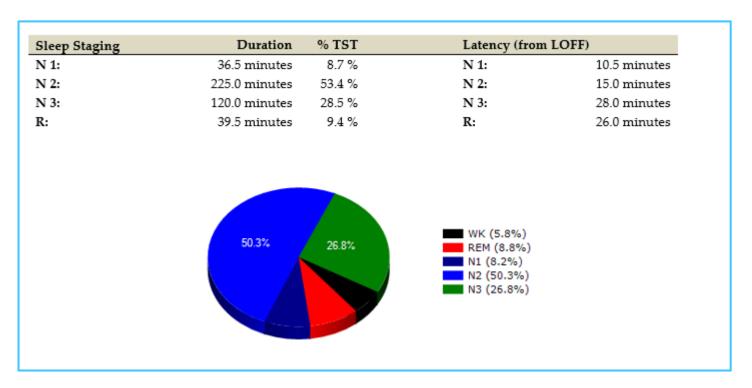
Supine vs Non-Supine distribution (%) during TST. \$PieChart 33, 2000\$

	Duration	Sleep	REM	NREM	CA	OA	MA	HYP	AHI	RERA	RDI	Desa
	(min)	(%)	(%)	(%)	(#)	(#)	(#)	(#)	(#/h)	(#)	(#/h)	(#)
Supine	167.5	96.4	0.9	95.5	5	17	0	29	19.0	4	20.4	49
Left:	126.6	97.9	29.6	68.3	4	3	1	3	5.3	0	5.3	12
Prone:	71.4	98.2	0.7	97.5	0	1	0	0	0.9	0	0.9	0
Right:	71.0	92.3	0.0	92.3	1	0	0	0	0.9	0	0.9	1

Supine vs Non-Supine distribution (percentage) during TST.

The chart code added to the report is 33 and is entered in the report template as: \$PieChart 33, 2000\$

Pie Chart: Sleep stage distribution percentage during TIB



Sleep stage distribution (percentage) during TIB.

The chart code added to the report is 33 and is entered in the report template as: \$PieChart 1, 2000\$

Bar & column charts

Bar and column charts are very similar to each other. The difference is that bar charts display their data horizontally and column charts display their data vertically. All of the chart codes described in the chart codes table can be used with bar and column charts. The bar and column chart commands come in two forms.

The simpler form is:

\$BarChart ChartCode,Width,Height\$

\$ColChart ChartCode,Width,Height\$

where *ChartCode* is any of the chart codes (except for codes 50, 60: codes 50 and 60 include event codes that will be used for the more complex bar and column charts).

The more complex form is:

\$BarChart ChartCode,NumEventCodes,EventCode1,EventCode2,...Width,Height\$ \$ColChart ChartCode,NumEventCodes,EventCode1,EventCode2,...Width,Height\$

All chart codes can be used in bar and column charts

Chart Code	Description	Chart Types	Restrictions
1	Sleep stage distribution (percentages) during TIB	Pie, Bar, Column	
2	REM, NREM, Wake distribution (percentages) during TIB	Pie, Bar, Column	Neuro stage types only
10	Sleep stage durations during TIB	Bar, Column	
11	REM, NREM, Wake durations during TIB	Bar, Column	Neuro stage types only
18	Wake before, during, after sleep durations	Bar, Column	Neuro stage types only
20	Sleep onset latency (from LOFF) and REM latency (from sleep onset)	Bar, Column	Neuro stage types only
30	Body positions distribution (percentages) during SPT (neuro) or TIB (pneumo)	Pie, Bar, Column	
31	Supine vs. Non-Supine distribution (percentages) during SPT (neuro) or TIB (pneumo)	Pie, Bar, Column	
32	Body positions distribution (percentages) during TST	Pie, Bar, Column	
33	Supine vs. Non-Supine distribution (percentages) during TST	Pie, Bar, Column	
40	Body positions durations during SPT (neuro) or TIB (pneumo)	Bar, Column	
41	Supine vs. Non-Supine durations during SPT (neuro) or TIB (pneumo)	Bar, Column	
42	Body positions durations during TST	Bar, Column	
43	Supine vs. Non-Supine durations during TST	Bar, Column	
50	Event counts during SPT or TST (TIB or TST for pneumo) depending on whether events are kept in wake.	Bar, Column	
60	Event indexes during SPT or TST (TIB or TST for pneumo) depending on whether events are kept in wake.	Bar, Column	
70	RDI during SPT or TST (TIB or TST for pneumo) depending on whether events are kept in wake.	Bar, Column	
71	AHI during SPT or TST (TIB or TST for pneumo) depending on whether events are kept in wake.	Bar, Column	

Chart event codes

Event codes are used in bar and column chart commands that specify chart code 50 (event counts) or 60 (event indexes). The table below defines the event type codes that can be used in chart commands.

Event Code	Event Type	Chart Types
300	Central Apnea	Bar, Column, Pie
301	Obstructive Apnea	Bar, Column, Pie
302	Mixed Apnea	Bar, Column, Pie
303	Hypopnea (all hypopneas)	Bar, Column, Pie
340	RERA	Bar, Column, Pie
380	Unclassified Hypopnea	Bar, Column, Pie
381	Central Hypopnea	Bar, Column, Pie
382	Obstructive Hypopnea	Bar, Column, Pie
383	Apneas (all apneas)	Bar, Column, Pie
384	Apneas + Hypopneas (all apneas + all hypopneas)	Bar, Column, Pie
385	Respiratory (all apneas + all hypopneas + RERAs)	Bar, Column, Pie

RDI bar chart (REI for portable study)

Report showing the simpler bar chart using code: \$BarChart ChartCode,Width,Height\$ \$BarChart, 70, 5000,620\$

70 = RDI (REI)

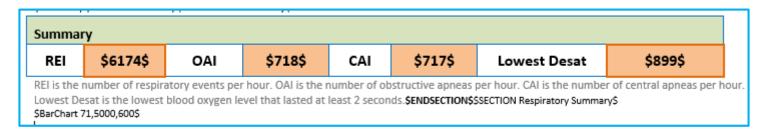
Summa							
REI	\$6174\$	OAI	\$718\$	CAI	\$717\$	Lowest Des	at \$899\$
			. ,			•	espiratory Ever 31 and above.
	esents ar		. ,			•	espiratory Evei 31 and above.

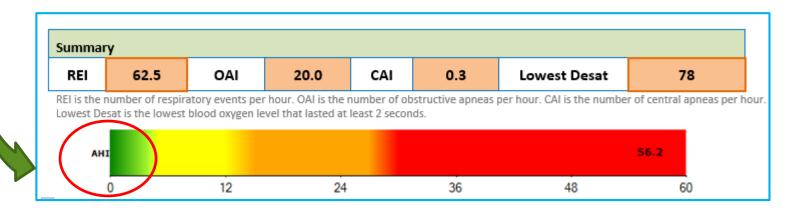
AHI bar chart

Report showing the simpler bar chart using code: \$BarChart ChartCode,Width,Height\$

71 = AHI

71	AHI during SPT or TST (TIB or TST for pneumo) depending on whether events are kept in wake.	Bar, Column	
----	--	-------------	--





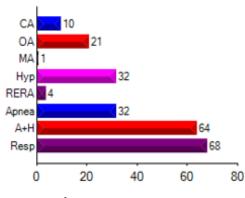
Bar, Column

More complex bar & column chart report codes 50

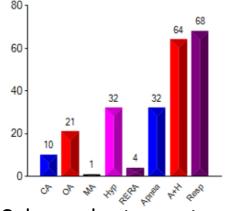
8 event types

\$BarChart 50,8,300,301,302, 303,340,383,384,385,2000,1500\$ \$ColChart 50,8,300,301,302, 303,340,383,384,385,2000,1500\$

Event Code	Event Type	Chart Types	
300	Central Apnea	Bar, Column, Pie	Size of chart
301	Obstructive Apnea	Bar, Column, Pie	
302	Mixed Apnea	Bar, Column, Pie	
303	Hypopnea (all hypopneas)	Bar, Column, Pie	
340	RERA	Bar, Column, Pie	
380	Unclassified Hypopnea	Bar, Column, Pie	
381	Central Hypopnea	Bar, Column, Pie	
382	Obstructive Hypopnea	Bar, Column, Pie	
383	Apneas (all apneas)	Bar, Column, Pie	
384	Apneas + Hypopneas (all apneas + all hypopneas)	Bar, Column, Pie	
385	Respiratory (all apneas + all hypopneas + RERAs)	Bar, Column, Pie	



Bar chart: event count TST

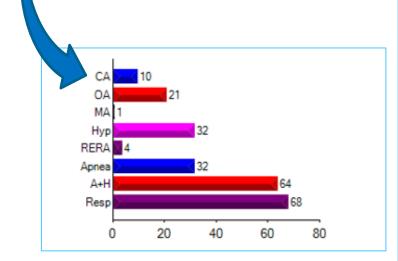


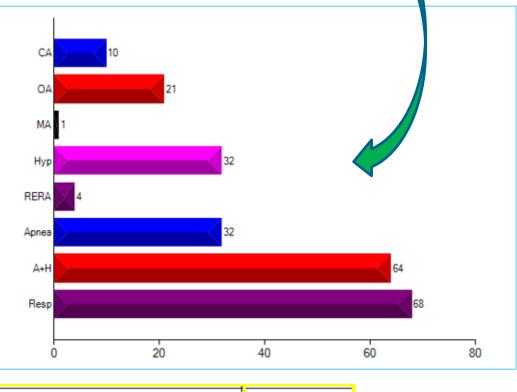
Column chart: event count TST

Chart sizing

\$BarChart **50**,8,300,301,302, **303,340,383,384,385,2000,1500**\$

\$BarChart **50**,8,300,301,302, 303,340,383,384,385,**4000,30000** In this example, compared to the last example on the previous slide, the chart size was increased.

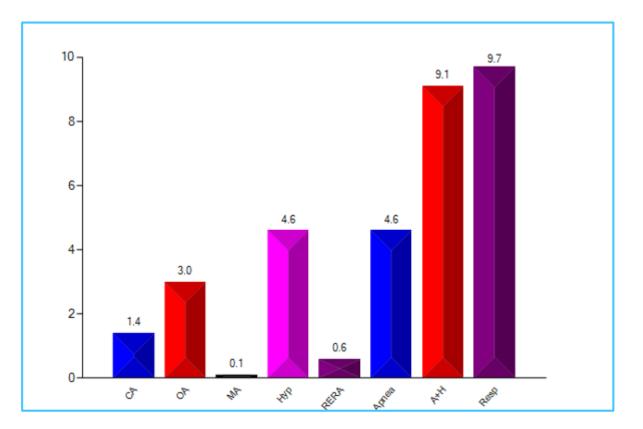




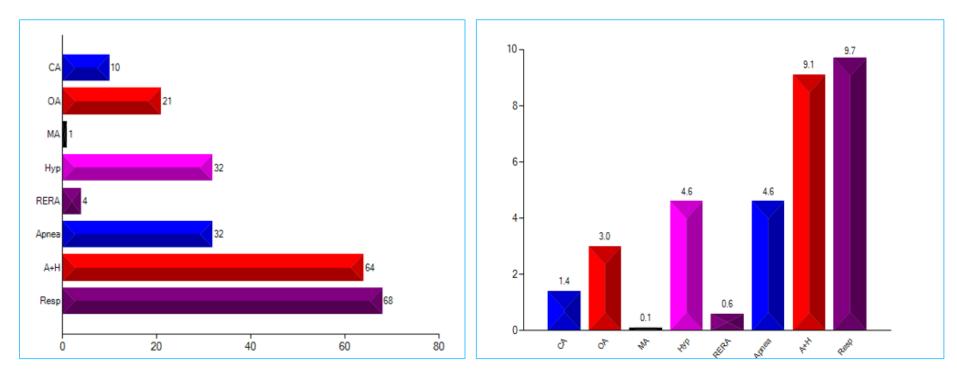
50 Event counts during SPT or TST (TIB or TST for pneumo) depending on whether events are kept in wake. Bar, Column

Change of column chart code from 50 to 60 to display <u>Event Indices</u> instead of event count

ColChart **60,**8,300, 301,302, 303,340,383,384,385,4000,3000\$



Bar chart showing event totals Column chart showing event indices



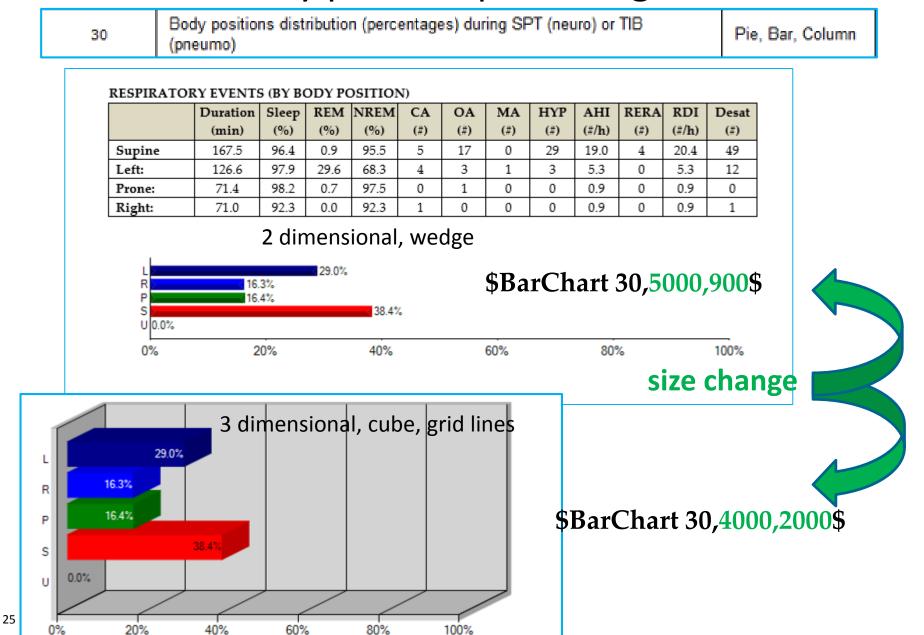
\$BarChart **50**,8,300,301,302, 303,340,383,384,385,4000,3000\$

50	Event counts during SPT or TST (TIB or TST for pneumo) depending on whether events are kept in wake.	Bar, Column	
----	---	-------------	--

\$ColChart 60,8,300, 301,302, 303,340,383,384,385,4000,3000\$

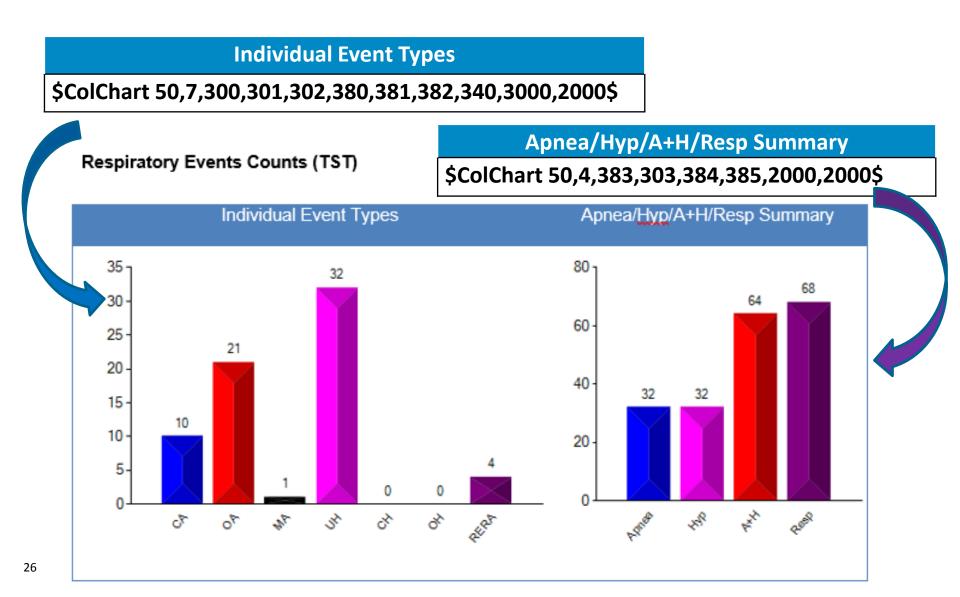
60	Event indexes during SPT or TST (TIB or TST for pneumo) depending on whether events are kept in wake.	Bar, Column	

Body position percentages



Column charts that display **individual event counts** by type and a summary of **combined respiratory event counts**. The IF statement will allow reporting for SPT vs TST depending on the setting for keep events in wakefulness.

Respiratory Events Indexes \$IF V155=1\$(SPT)\$ELSE\$(TST)\$ENDIF\$



Column charts that display individual event **indexes** by type and combined respiratory event **indexes**. The IF statement will allow reporting for SPT vs TST depending on the setting for keep events in wakefulness.

Respiratory Events Indexes \$IF V155=1\$(SPT)\$ELSE\$(TST)\$ENDIF\$

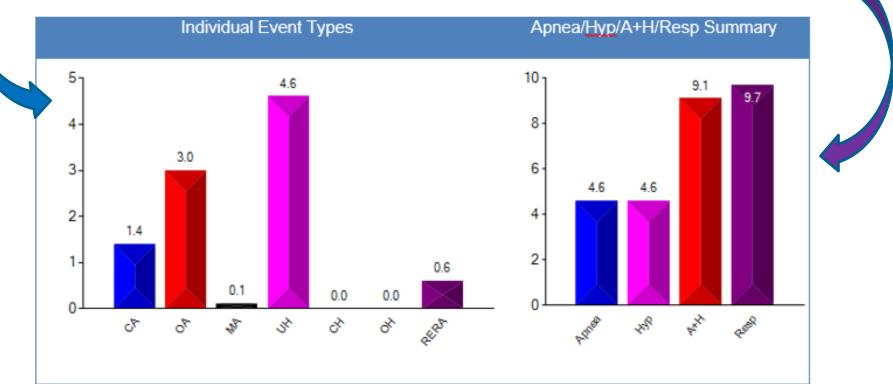
Individual Event Types

\$ColChart 60,7,300,301,302,380,381,382,340,3000,2000\$



\$ColChart 60,4,383,303,384,385,2000,2000\$

Respiratory Events Indexes (TST)

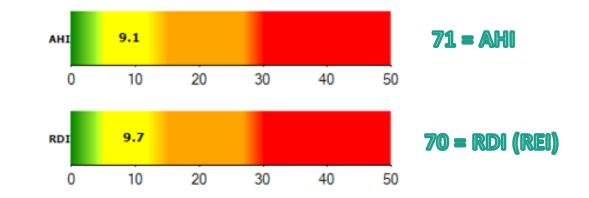


Bar Charts to display AHI and RDI on same report

AHI & RDI \$IF V155=1\$(SPT)\$ELSE\$(TST)\$ENDIF\$

\$BarChart 71,2500,600\$ \$BarChart 70,2500,600\$ \$ENDSECTION\$\$ENDSECTION\$\$SECTION Heart Rate Summary\$

AHI & RDI (TST)



	70	RDI during SPT or TST (TIB or TST for pneumo) depending on whether events are kept in wake.	Bar, Column
--	----	--	-------------

71	AHI during SPT or TST (TIB or TST for pneumo) depending on whether events are kept in wake.	Bar, Column
----	--	-------------



Thank you

The screenshots are from the Sleepware G3 software and may differ from your version of Sleepware.



i Consult Sleepware G3's online help for additional information.

1131619 R00 RPM 09/15/2016

G3 Training Module

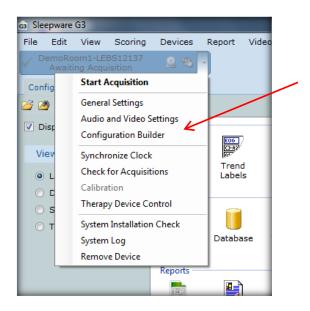


* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.



Building an Alice Device Configuration

To build or modify a configuration (i.e., a set of channels used to acquire polysomnographic data) for use with Alice 6 devices, select **Configuration Builder** from the drop-down menu.



The Configuration Builder window lists the configurations available on the selected device. You may select configuration to modify or you may build a new configuration.

130.140.254.164: Configuration	n Builder			
<u></u> Configuration Builder				?
LDe_ASV				
LDe_ASV_AASM				
👤 LDe_MSLT				
👤 LDe_MSLT_AASM				
👤 LDe_PSG				
LDe_PSG_AASM				
LDe_Voltmeter				
LDxS_ASV				
LDxS_ASV_AASM				
LDxS_MSLT				
LDxS_MSLT_AASM				
LDxS_PSG				
LDxS_PSG_AASM				
LDxS_SeizureResp				
LDxS_SeizureResp_AASM				
LDxS_Voltmeter				
	Default Configuration : LDxS_PSG	•		
	Default Configuration . EDx0_1 00			
		New	Store To PC	Load From PC

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

Click the New button. A Configuration File window opens.

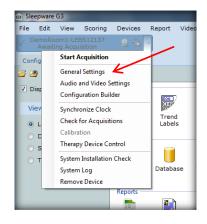
Type a name for the new configuration file, select the applicable Headbox Type, and click Create to continue.

The Configuration File opens. A picture of the headbox appears along with the channel list.

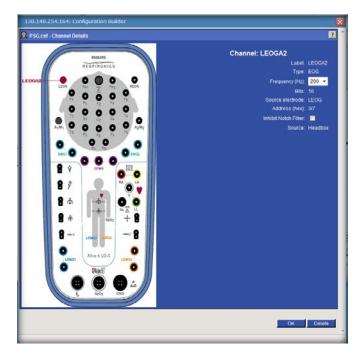
130.140.254.164: Co	figuration Builder		×
New Configuration			?
Name of Configuration:			
Headbox Type:	O LDxN Headbox		
	LDxS Headbox		
	LDe Headbox		
		Create Cano	el



You can change your Neuro and EOG References from the General Settings on the base station.



* Note: Screenshots are from the Sleepware G3 Software and Online Help.



Click on the channel label and the Channel Details window opens.

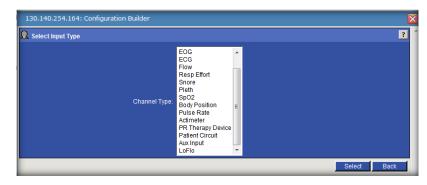
Make any necessary changes to the settings (e.g., the Frequency [recorded sampling rate], the Bits [resolution], and the Inhibit Notch Filter setting). Click OK to continue. These steps work for all labels on the headbox except for (1) (1) (1)

😰 Configuration File : psg.cnf							?
			Channel	List			
PHILIPS		Label	Туре	Source	Frequency	Bits	
RESPIRONICS		LEOGM2	EOG	Headbox 3	200	16	
F3M1		REOGM2	EOG	Headbox 3	200	16	î
	REOGM2	F3M1	EEG	Headbox 3	200	16	î
	F4M2	+ F4M2	EEG	Headbox 3	200	16	î
F7 F3 F2 F4 F8		<u>M1M2</u>	EEG/EOG	Headbox 3	200	16	î
	C4M2	• C3M1	EEG	Headbox 3	200	16	î
M1M2		<u>C4M2</u>	EEG	Headbox 3	200	16	î
		• <u>01M1</u>	EEG	Headbox 3	200	16	î
C3M1 P3 P2 P4 19		<u>• 02M2</u>	EEG	Headbox 3	200	16	î
		CEMG	Chin EMG	Headbox 3	200	16	î
	02M2	TFlow	Thermistor Flow	Headbox	100	16	î
	ECG1	MSnore	Microphone Snore	Headbox 8	500	16	î
		CSnore	Cannula Snore	Headbox 4	500	16	î
		THO	Resp Effort	Headbox	100	16	î
Snore		ABD	Resp Effort	Headbox	100	16	î
тно 🕂 🛖 📩 🛛 📩 💽 🍋 📗		ECG1	ECG	Headbox 3	200	16	î
		ECG2	ECG	Headbox 3	200	16	î
ABD m sp02 + 1		LEG1	Leg EMG	Headbox 3	200	16	î
		LEG2	Leg EMG	Headbox 3	200	16	î
LEMG1 LEMG2		Total data size (10 hours)	373	MB			
	LEG2	Add a channel	after Neuro Refer	rences			
LEMG1 Alice 6 LDxS LEMG2		Туре		Label			
Naine Route I		Left		M1			
		Right	EOG Refere	M2			_
		Туре	EOG Refere	Label			
j SpO2 IOIOI		Left		M2			
		Right		M2			

Any additional channels may be added by clicking on

Select a channel type and click Select to continue (or Back to abort).

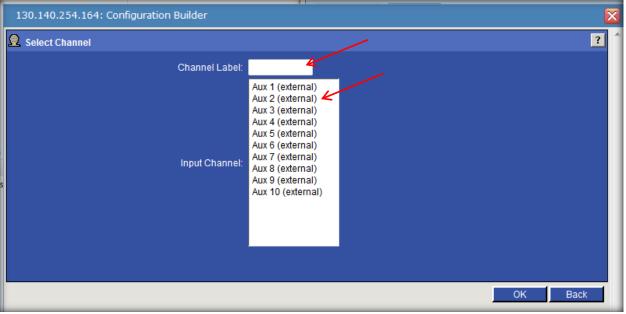
The Select Channel window opens.



* Note: Screenshots are from the Sleepware G3 Software and Online Help.

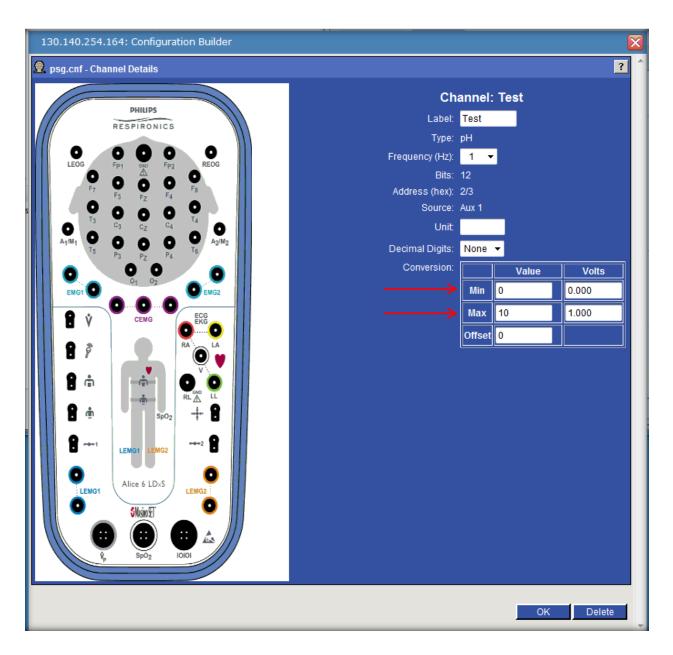
130.140.254.164: Configuration Builder	×
Aux Channel:	Numerical Graphical Grapho-numeric SpO2 pH EPAP IPAP CPAP Ambient Light EtCO2 Strobe Light Aux Pressure
	Select Back

For Auxiliary Channels choose the channel type.



Choose the Auxiliary port and input the Channel Label.

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.



Input Min/Max values for specific voltages.

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.

Once the configuration is built, it is suggested that you save it to your computer. This will allow you to reload the configuration as well as transfer configurations between Alice devices.

130.140.254.164: Configuration Builder	X
Configuration Builder	?
LDe_ASV	
LDe_ASV_AASM	
LDe_MSLT	
LDe_MSLT_AASM	
LDe_PSG	
LDxs_ASV	
LDxs_MSLT_AASM	
LDxS_SeizureResp	
LDxS_SeizureResp_AASM	
LDxS_Voltmeter	
	-
Default Configuration : LDxS_PSG	
New Store To PC Load From PC	

From the Configuration Builder, click the 'Store To PC' button and select the configuration you want to store. Click Save. The Save As window opens. Select a location on your computer where you want to save the configuration (e.g., desktop) and click Save.

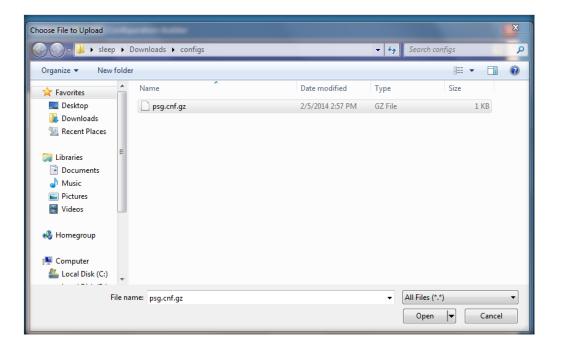
Save As				annen haars	23
Sleep > D)ownloads 🕨		✓ 4 Search	Downloads	٩
Organize 🔻 New folder					0
☆ Favorites	Name	Date modified	Туре	Size	
Desktop	\mu configs	2/5/2014 2:57 PM	File folder		
Downloads					
Cibraries					
J Music					
Pictures Videos					
🤣 Homegroup					
•					
File name: psg.cnf					-
Save as type: GZ File					•
Alide Folders			Sav	/e Cance	el

Note: The File Name must end with .cnf

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.

To upload a configuration to an Alice base unit select the 'Load From PC' in the Configuration Builder, and then the following window opens. Click 'Browse' button to locate and select the configuration file and click on Open.

130.140.254.164: Configuration Builder			×
Load Configuration File			?
	Browse		
		ОК	Cancel



130.140.254.164: Configuration Builder			X
Load Configuration File			? ^
	C:\Users\sleep\Downlo Browse		
		ОК	Cancel

* Note: Screenshots are from the Sleepware G3 Software and Online Help.





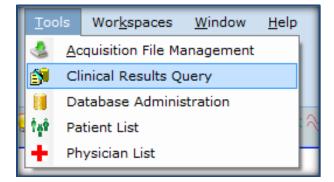
i Consult the manual for additional information.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

* Disclaimer: Screenshots may change based on software version.

1118488 R00 JDW 08/06/2014 How to Create a Database Query in Sleepware G3 to Show Primary and Secondary Diagnosis for All Patients

1. Create a Clinical Results Query that will show all patients in the database along with their primary and secondary diagnosis. Within Sleepware G3, select Tools > Clinical Results Query.



2. The Clinical Results Query dialog box will open. Select Add.

Clinical Results Query		×
Queries		
Queries		
Query Name /	<pre>✓ Execute Add Modify Delete</pre>	
Query Description		
Query Results		
Save <u>R</u> esults	OK Cancel	

* Note: Screenshots are from the Sleepware G3 Software.

3. Next, give a <u>Query Name</u> and <u>Query Description</u>, and then define the parameters of your query.

Click the Result Columns button in the bottom left corner.

Clinical Results Query Buil	der	×
Query <u>N</u> ame:	Diagnosis Reporting	
Query <u>D</u> escription:	Primary and Secondary Diagnosis for All Patients	
Patient Acquisition Clinic	al Diagnosis Physicians	
🔲 <u>G</u> ender		
Patient Type	~	
Age	years	
Gestational Age	weeks	
🔲 <u>H</u> eight	v inches	
Weight	v Ibs.	
<u>B</u> MI	▼ Ib/in²	
Res <u>u</u> lt Columns	ОК Са	incel

* Note: Screenshots are from the Sleepware G3 Software.

4. Select the parameters from the list you would like to see on the report. Click the (+) for each parameter category to see subcategories. ☑ Select the applicable data columns to include in the query results. Once your selection is made, the parameter you selected will be added to the "Column Order" pane. You can reorder the parameters in the Column Order list by selecting a parameter, and then clicking the Up and Down buttons to reposition the parameter in the list. This is also how they will appear from left to right on the .CSV report. Once you have made your selections, click OK.

Clinical Results Query Columns	<u> </u>
Column Selection	Column Order
 Result Columns Patient Acquisition ID Duration Acquisition Type Acquiring Technician Scoring Technician Acquired Date Archive Status Clinical Sp02 Arousal Sleep Diagnosis Code 1 Diagnosis Code 1 Diagnosis Code 3 Diagnosis Code 4 Physicians 	Last Name First Name Patient ID Acquired Date Diagnosis Code 1 Diagnosis Code 2 Acquisition Type
	OK Cancel

5. You can also select the time period for which you would like to see results. You can choose to run this report weekly, monthly, quarterly, etc. or you can select a "custom" date range.

To specify a date range, place a ☑ check mark in the Acquired Date area and select an option from the dropdown list, or select Custom to choose specific dates. Once selected, click OK.

Clinical Results Query Build	ler 🛛
Query <u>N</u> ame:	Diagnosis Reporting
Query <u>D</u> escription:	Primary and Secondary Diagnosis for all patients
Patient Acquisition Clinica	I Diagnosis Physicians
Acquisition <u>Type</u>	Select
Acquiring Technician	
Scoring Technician	·
Acquired Date	Previous Quarter 🗸
<u>F</u> rom Date:	Custom Previous Week Previous Month
T <u>o</u> Date:	Previous Quarter Previous Year
Archive Status	Week to Date Month to Date Quarter to Date Year to Date
Custom, pick yo	ur own date range.
Acquired Date	Custom
<u>F</u> rom Date:	April 06, 2014
T <u>o</u> Date:	November 18, 2014
Res <u>u</u> lt Columns	OK Cancel

* Note: Screenshots are from the Sleepware G3 Software.

6. The Query is now created. Select Execute to see the results.

Clinical Results Query	×
Queries Query Name ' Diagnostic Reporting Query Description	✓ <u>Execute</u> Add <u>M</u> odify Delete
Primary and Secondary diagnosis for all patients	

7. The results will show in the Query Results area. Click Save Results to save as a .CSV file.

)uery				
Queries					
Queries					
Query Name	/				✓ <u>E</u> xecute
Diagnosis Rep					
	-				Add
					Modify
					Delete
					Delete
uery Descripti	ion				_
Primary and S	econdary Dia	ignosis for all pat	tients		
Query Results	5				
Last Name	First Name	Patient ID	Acquisition ID	Diagnosis Code 1 $^{\nabla}$	Diagnosis Code 🔺
			Acquisition ID	Diagnosis Code 1 ^{\(\nc)} Central Sleep Appea	Diagnosis Code 🔺
Last Name Auto SV Jack	First Name Patient Splat	Patient ID 6659 none	Acquisition ID 00151315-A5B 00000051-A5B	Diagnosis Code 1 ^{\(\nc)} Central Sleep Apnea 327.3 : Circadian	
Auto SV	Patient	6659	00151315-A5B	Central Sleep Apnea	Diagnosis Code ▲ 402.0 : Hyperte 402.0 : Hyperte
Auto SV Jack	Patient Splat	6659 none	00151315-A5B 00000051-A5B	Central Sleep Apnea 327.3 : Circadian	402.0 : Hyperte ≡
Auto SV Jack AlicePDx	Patient Splat Sev_OSA Eval	6659 none 32668446135	00151315-A5B 00000051-A5B 00000015-APD	Central Sleep Apnea 327.3 : Circadian 327.23 : Obstructi	402.0 : Hyperte ≡ 402.0 : Hyperte
Auto SV Jack AlicePDx AutoSV	Patient Splat Sev_OSA Eval	6659 none 32668446135 12345678	00151315-A5B 00000051-A5B 00000015-APD 00000150-A5B	Central Sleep Apnea 327.3 : Circadian 327.23 : Obstructi 327.23 : Obstructi	402.0 : Hyperte 402.0 : Hyperte 402.0 : Hyperte
Auto SV Jack AlicePDx AutoSV Complex/C	Patient Splat Sev_OSA Eval Patient	6659 none 32668446135 12345678 7070	00151315-A5B 00000051-A5B 00000015-APD 00000150-A5B 00140433-A5B	Central Sleep Apnea 327.3 : Circadian 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi	402.0 : Hyperte 402.0 : Hyperte 402.0 : Hyperte 327.51 : Periodi
Auto SV Jack AlicePDx AutoSV Complex/C Dentist	Patient Splat Sev_OSA Eval Patient Hermey	6659 none 32668446135 12345678 7070 0245-76-61 7249726360	00151315-A5B 00000051-A5B 0000015-APD 00000150-A5B 00140433-A5B 00050002-A5B	Central Sleep Apnea 327.3 : Circadian 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi	402.0 : Hyperte 402.0 : Hyperte 402.0 : Hyperte 327.51 : Periodi 402.0 : Hyperte
Auto SV Jack AlicePDx AutoSV Complex/C Dentist NightOne	Patient Splat Sev_OSA Eval Patient Hermey Alice	6659 none 32668446135 12345678 7070 0245-76-61 7249726360	00151315-A5B 00000051-A5B 0000015-APD 00000150-A5B 00140433-A5B 00050002-A5B 00000017-AN1P	Central Sleep Apnea 327.3 : Circadian 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi	402.0 : Hyperte 402.0 : Hyperte 402.0 : Hyperte 327.51 : Periodi 402.0 : Hyperte 412 : Old myoci
Auto SV Jack AlicePDx AutoSV Complex/C Dentist NightOne PDx	Patient Splat Sev_OSA Eval Patient Hermey Alice Level II	6659 none 32668446135 12345678 7070 0245-76-61 7249726360 666555	00151315-A5B 00000051-A5B 0000015-APD 00000150-A5B 00140433-A5B 00050002-A5B 00000017-AN1P 00000008-APDx1	Central Sleep Apnea 327.3 : Circadian 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi	402.0 : Hyperte 402.0 : Hyperte 402.0 : Hyperte 327.51 : Periodi 402.0 : Hyperte 412 : Old myoci 404.0 : Hyperte
Auto SV Jack AlicePDx AutoSV Complex/C Dentist NightOne PDx NightOne	Patient Splat Sev_OSA Eval Patient Hermey Alice Level II Alice	6659 none 32668446135 12345678 7070 0245-76-61 7249726360 666555 7249726360	00151315-A5B 00000051-A5B 0000015-APD 00000150-A5B 00140433-A5B 00050002-A5B 00000017-AN1P 00000008-APDx1 00000015-AN1P	Central Sleep Apnea 327.3 : Circadian 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.21 : Primary c	402.0 : Hyperte 402.0 : Hyperte 402.0 : Hyperte 327.51 : Periodi 402.0 : Hyperte 412 : Old myoci 404.0 : Hyperte 292.85 : Drug in
Auto SV Jack AlicePDx AutoSV Complex/C Dentist NightOne PDx NightOne AASM	Patient Splat Sev_OSA Eval Patient Hermey Alice Level II Alice Compliant	6659 none 32668446135 12345678 7070 0245-76-61 7249726360 666555 7249726360 259863 0827	00151315-A5B 00000051-A5B 0000015-APD 00000150-A5B 00140433-A5B 00050002-A5B 00000017-AN1P 00000008-APDx1 00000015-AN1P 00040066-LEBS	Central Sleep Apnea 327.3 : Circadian 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.21 : Primary c	402.0 : Hyperte 402.0 : Hyperte 402.0 : Hyperte 327.51 : Periodi 402.0 : Hyperte 412 : Old myoci 404.0 : Hyperte 292.85 : Drug in
Auto SV Jack AlicePDx AutoSV Complex/C Dentist NightOne PDx NightOne AASM Alex AlicePDx APDx60	Patient Splat Sev_OSA Eval Patient Hermey Alice Level II Alice Compliant Tao Actigraphy StdConfi	6659 none 32668446135 12345678 7070 0245-76-61 7249726360 666555 7249726360 259863 0827 19735246	00151315-A5B 00000051-A5B 0000015-APD 00140433-A5B 00140433-A5B 00050002-A5B 00000017-AN1P 00000017-AN1P 00000015-AN1P 00040066-LEBS 00000048-A5B 00000016-APD	Central Sleep Apnea 327.3 : Circadian 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.21 : Primary c	402.0 : Hyperte 402.0 : Hyperte 402.0 : Hyperte 327.51 : Periodi 402.0 : Hyperte 412 : Old myoci 404.0 : Hyperte 292.85 : Drug in
Auto SV Jack AlicePDx AutoSV Complex/C Dentist NightOne PDx NightOne AASM Alex AlicePDx APDx60 APDx65	Patient Splat Sev_OSA Eval Patient Hermey Alice Level II Alice Compliant Tao Actigraphy StdConfi StdConfig	6659 none 32668446135 12345678 7070 0245-76-61 7249726360 666555 7249726360 259863 0827 19735246 APDx60 APDx65	00151315-A5B 00000051-A5B 00000015-APD 00000150-A5B 00140433-A5B 00050002-A5B 00000017-AN1P 00000018-APDx1 00000016-APD 00000018-APD 00000015-APD	Central Sleep Apnea 327.3 : Circadian 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.21 : Primary c	402.0 : Hyperte 402.0 : Hyperte 402.0 : Hyperte 327.51 : Periodi 402.0 : Hyperte 412 : Old myoci 404.0 : Hyperte 292.85 : Drug in
Auto SV Jack AlicePDx AutoSV Complex/C Dentist NightOne PDx NightOne AASM Alex AlicePDx AlicePDx APDx60 APDx65 ASVSample	Patient Splat Sev_OSA Eval Patient Hermey Alice Level II Alice Compliant Tao Actigraphy StdConfig Patient	6659 none 32668446135 12345678 7070 0245-76-61 7249726360 666555 7249726360 259863 0827 19735246 APDx60 APDx65 10101010	00151315-A5B 00000051-A5B 00000150-A5B 00140433-A5B 00140433-A5B 00050002-A5B 00000017-AN1P 00000018-APDx1 00000018-APD 00000018-APD 00000015-APD 00000015-APD	Central Sleep Apnea 327.3 : Circadian 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.21 : Primary c	402.0 : Hyperte 402.0 : Hyperte 402.0 : Hyperte 327.51 : Periodi 402.0 : Hyperte 412 : Old myoci 404.0 : Hyperte 292.85 : Drug in
Auto SV Jack AlicePDx AutoSV Complex/C Dentist NightOne PDx NightOne AASM Alex AlicePDx AlicePDx APDx60 APDx65 ASVSample Auto SV	Patient Splat Sev_OSA Eval Patient Hermey Alice Level II Alice Compliant Tao Actigraphy StdConfig Patient Patient	6659 none 32668446135 12345678 7070 0245-76-61 7249726360 666555 7249726360 259863 0827 19735246 APDx60 APDx65 10101010 6659	00151315-A5B 00000051-A5B 00000150-A5B 00140433-A5B 00140433-A5B 00050002-A5B 00000017-AN1P 00000018-APDx1 00000016-APD 00000018-APD 00000015-APD 00000015-APD 00000015-APD	Central Sleep Apnea 327.3 : Circadian 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.21 : Primary c	402.0 : Hyperte 402.0 : Hyperte 402.0 : Hyperte 327.51 : Periodi 402.0 : Hyperte 412 : Old myoci 404.0 : Hyperte 292.85 : Drug in
Auto SV Jack AlicePDx AutoSV Complex/C Dentist NightOne PDx NightOne AASM Alex AlicePDx AlicePDx APDx60 APDx65 ASVSample Auto SV B	Patient Splat Sev_OSA Eval Patient Hermey Alice Level II Alice Compliant Tao Actigraphy StdConfi StdConfig Patient Patient Norb	6659 none 32668446135 12345678 7070 0245-76-61 7249726360 666555 7249726360 259863 0827 19735246 APDx60 APDx65 10101010 6659 13	00151315-A5B 00000051-A5B 00000150-A5B 00140433-A5B 00140433-A5B 00050002-A5B 00000017-AN1P 00000018-APDx1 00000016-APD 00000018-APD 00000018-APD 00000015-APD 000000136-100102 00000014-APD 00000022-AN1P	Central Sleep Apnea 327.3 : Circadian 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.21 : Primary c	402.0 : Hyperte 402.0 : Hyperte 402.0 : Hyperte 327.51 : Periodi 402.0 : Hyperte 412 : Old myoci 404.0 : Hyperte 292.85 : Drug in
Auto SV Jack AlicePDx AutoSV Complex/C Dentist NightOne PDx NightOne AASM Alex AlicePDx AlicePDx APDx60 APDx65 ASVSample Auto SV	Patient Splat Sev_OSA Eval Patient Hermey Alice Level II Alice Compliant Tao Actigraphy StdConfig Patient Patient	6659 none 32668446135 12345678 7070 0245-76-61 7249726360 666555 7249726360 259863 0827 19735246 APDx60 APDx65 10101010 6659	00151315-A5B 00000051-A5B 00000150-A5B 00140433-A5B 00140433-A5B 00050002-A5B 00000017-AN1P 00000018-APDx1 00000016-APD 00000018-APD 00000015-APD 00000015-APD 00000015-APD	Central Sleep Apnea 327.3 : Circadian 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.23 : Obstructi 327.21 : Primary c	402.0 : Hyperte 402.0 : Hyperte 402.0 : Hyperte 327.51 : Periodi 402.0 : Hyperte 412 : Old myoci 404.0 : Hyperte 292.85 : Drug in

* Note: Screenshots are from the Sleepware G3 Software.

8. The report will save with the Query Name, "Diagnosis Reporting". In this example "Q3 2014" was added to the name since it was selected above to include "Previous Quarter Results". The file will be saved to a Folder that was created called "G3 Clinical Queries".

Save As		×
🔾 🗢 📕 🕨 Librar	ries 🕨 Documents 🕨 G3 Clinical Queries 🔹 🗸 🎸 Search G3 Clinica	l Queries 🔎
Organize 🔻 New f	older	s= ▼ ()
☆ Favorites ■ Desktop	G3 Clinical Queries	y: Folder 🔻
🖳 Recent Places	No items match your search.	
Libraries		
Music	•	
	iagnosis Reporting Q3 2014.csv	•
Save as type: C	SV (Comma Delimited) (*.csv)	•
Alide Folders	Save	Cancel

9. The query, "Diagnosis Reporting Q3 2014," will be saved in the selected folder. To open it and view the results, double left-click on the file to open it.

🕒 🔾 🗢 📕 🕨 Libraries 🕨 Do	Comparis Comparis Comparis Comparis Comparis						
Organize	Burn New folder						
☆ Favorites ■ Desktop ® Propert Places	Occuments library G3 Clinical Queries						
Recent Places Propbox	Diagnosis Reporting Q3 2014.csv Microsoft Excel Comma Separate 4.73 KB						
📜 Libraries							
Documents Music							
Pictures							
Videos							
🖳 Computer 👸 (C:) Local Disk							
(G:) CUSTOMER_SERVICE							
(P:) PUBLIC (\\CODE1\H							
🙀 (R:) My Dropbox (\\130.14							
🔮 ftp1.respironics.com							
🗣 Network							

(🔒 🌗 • (* - 🗅 🖆 💑	-		Dia	gnostic Reporting Q3 2014.csv - Microsoft Excel		- ē
File Home Insert	Page Layout Fo	rmulas Data Review	View Get Started	Acrobat		a 🕜 🗖 á
Cut Call	ibri • 11 <i>I</i> U •		Wrap Text 家 課 Merge & Center	Date	Cell Insert Delete Format	Find &
Clipboard	Font		루 플루 텔레 Merge & Center Alianment	Formatting as Table		
D3 • (*	× √ ƒ _* 9/7/20	114				
A	В	С	D	E	F	G
3 Jack	Splat	none	9/7/2014 327.3	Circadian Rhythm Disorder	402.0 : Hypertensive heart disease	
AlicePDx	Sev_OSA	3266844613	5 7/8/2014 327.23	: Obstructive sleep apnea (adult) (pediatric)	402.0 : Hypertensive heart disease	
AutoSV	Eval	1234567	9/17/2014 327.23	: Obstructive sleep apnea (adult) (pediatric)	402.0 : Hypertensive heart disease	
Complex/Cental Apnea	Patient	707	0 8/30/2014 327.23	: Obstructive sleep apnea (adult) (pediatric)	327.51 : Periodic limb movement disorder	
Dentist	Hermey	0245-76-61	8/6/2014 327.23	: Obstructive sleep apnea (adult) (pediatric)	402.0 : Hypertensive heart disease	
NightOne	Alice	724972636	0 10/9/2014 327.23	: Obstructive sleep apnea (adult) (pediatric)	412 : Old myocardial infarction	
PDx	Level II_Study_1	66655	5 8/13/2014 327.23	: Obstructive sleep apnea (adult) (pediatric)	404.0 : Hypertensive heart and kidney disease	
	Alice	724972636	0 10/6/2014 327.21	: Primary central sleep apnea	292.85 : Drug induced sleep disorders	
0 NightOne	Allce	121012000				

- * If patients appear on the list without a diagnosis, you can return to the patient's record to add this information. Follow the steps below to do this.
 - 1. Open the patient record and select File > Properties.

<u>F</u> ile	<u>E</u> dit	<u>V</u> iew	<u>S</u> coring	De	vices	<u>R</u> eport
2	Open		Ctrl+O	1.		
1	Searc <u>h</u>					
	Save		Ctrl+S	Ce		Sev_OSA
	<u>C</u> lose				121 🚅	> 🕣 🗊 🕐
	Generat	te <u>P</u> reso	ription			
	Technic	ian <u>N</u> ote	es			
	Audit <u>T</u> r	ail				
	P <u>r</u> operti	es A	lt+Enter			
	<u>I</u> mport					
	<u>E</u> xport		I	· -		
	Co <u>m</u> bin	e Acqui	sitions			
	Recent	<u>F</u> iles				
	Exit					

* Note: Screenshots are from the Sleepware G3 Software.

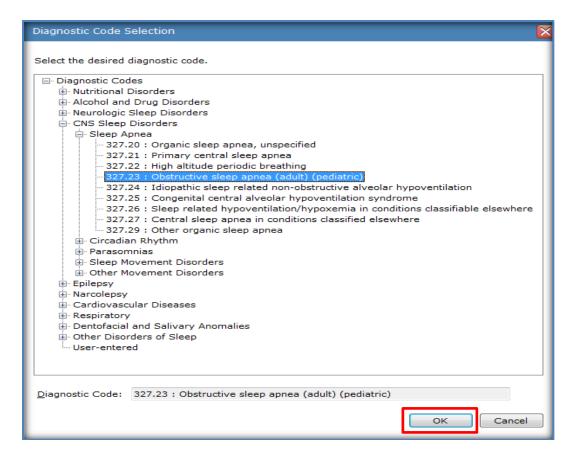
2. Select the Diagnosis Tab. Click on Select for Diagnosis 1.

cquisition Properties					
Patient Patient Stats	Acquisition Medicati	ons Diagnosis	Referring Physician	Interpreting Physician	Patien 1
Diagnosis <u>1</u> :] Se	lect
Diagnosis <u>2</u> :				Se	lect
Diagnosis <u>3</u> :				Se	lect
Diagnosis <u>4</u> :				Se	lect
				ОК	Cancel

3. Click the (+) sign in front of the diagnosis category of choice to see the subcategory and diagnosis types and codes. Select the appropriate diagnosis for Diagnosis 1. Select OK.

* Note: Screenshots are from the Sleepware G3 Software.

^{*} Disclaimer: Screenshots may change based on software version.



4. Repeat the above step for Diagnosis 2.

Acquisition Propertie	es 🔀
Patient Patient Sta	ts Acquisition Medications Diagnosis Referring Physician Interpreting Physician Patien
Diagnosis <u>1</u> :	327.23 : Obstructive sleep apnea (adult) (pediatric)
Diagnosis <u>2</u> :	Select
Diagnosis <u>3</u> :	Select
Diagnosis <u>4</u> :	Select
	OK Cancel

Diagnostic Code Selection
Select the desired diagnostic code.
Diagnostic Code: 402.0 : Hypertensive heart disease

5. Now that the primary and secondary diagnoses are selected, click OK. You can close the study for this patient.

Acquisition Properties				E Contraction of the second
Patient Patient Stats Acqu	isition Medications Diagno	sis Referring Physician	Interpreting Physicia	n Patien 🔹 🕨
Diagnosis <u>1</u> : 327.23 :	Obstructive sleep apnea (ad	lult) (pediatric)		Select
Diagnosis <u>2</u> : 402.0 :	Hypertensive heart disease			Select
Diagnosis <u>3</u> :				Select
Diagnosis <u>4</u> :				Select
			ОК	Cancel

I Consult the Sleepware G3 Online Help for additional information.

1120360 R00 JDW 11/25/2014

* Note: Screenshots are from the Sleepware G3 Software.

Sleepware G3 with Somnolyzer

Workflow and Data Management with Sleepware G3



PHILIPS



Objectives

Data Management and Workflow with Sleepware G3

> Working folders

Local C Drive Folder C:\Acquisitions (Integration location) Auto-Copy (Back-up or Network) Study Locations

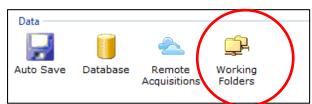
Accessing studies for scoring

Archiving studies using Acquisition File Management

Keeping your hard drive manageable



Working Folders



By default, upon installation, Sleepware G3 designates a folder on each *acquiring* PC as the integration folder. This is set up as: C:\Acquisitions

A working folder is a folder where studies are held after collection either for temporary storage, scoring, or permanent storage. Typically, a sleep lab will working folders set up so that studies collect to the local machine, and then automatically back up to a server location. The server location is where studies will be accessed for scoring and review. Once a study is scored and reviewed, it is then moved to the permanent scoring location.

Working Folders				×
Integration Folder	Folder			Add
	C:\Acquisitions			Delete
	D:\Server Location			Delete
When opening stu	idies, search integrati	on folder last.		
Auto-copy				
📝 Auto-copy acqui	sitions after integratio	n	D:\Server Location	•
Exclude Vide	0			
			ок	Cancel
Shared Options				

**The local folder (C:\Acquisitions) is more of a safety measure for collection, in cases where the server may be offline or unavailable during a study. Studies can, and should be deleted from the local location once the user verifies the study is in the backup location for scoring.

Working folder: Auto-Copy or Server Location

Creating an auto-copy location allows all studies from all rooms in the sleep lab to back up to a single folder location on the network. The auto-copy location is typically a server location on the sleep lab network that all acquiring PCs can access. This will be the location that the scorers will access for scoring and physicians will access for review.

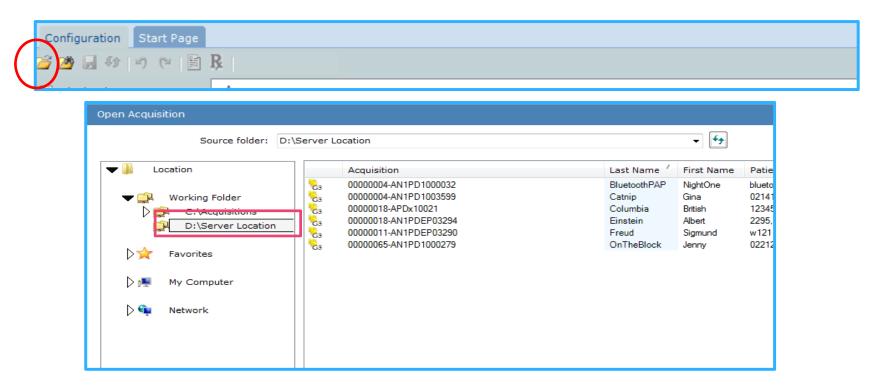
	Working Folders	×
-	Integration Folder Folder Image: C:\Acquisitions C:\Acquisitions Image: D:\Server Location D:\Server Location	Add Delete
Vorking Folders	 When opening studies, search integration folder last. Auto-copy 	
	Auto-copy acquisitions after integration Exclude Video	D:\Server Location
	Shared Options	OK Cancel

Therefore, when each study has ended, it will integrate to the local folder on the acquiring PC and then automatically back up to the 'auto-copy' location in which you choose. You can think of the C:\Acquisitions folder as a failsafe for retrieving the study in cases where the auto-copy or network location may be offline

The studies in C:\Acquisitions are copies that will not be scored and can be deleted from this folder periodically to save hard drive space.

Searching for Acquisitions

The yellow folder icon located in the upper-left toolbar is for opening acquisitions. Single left-click on the folder to see the 'open acquisition' window. To score a study or review a scored study, access the auto-copy folder located on the left pane, named D:\Server Location in this example. When this folder is highlighted, the studies in this folder will appear in the right pane. Double left-click on the study you want to open.



Note: If you are using 'user assignment', studies assigned to an individual user will always appear on the start page on the "My Acquisitions" list.



Working folders, additional settings

Video is collected during the study and integrated to the local acquisition folder with the sleep study data files. By default, the video is also sent to the auto-copy location. If you do not want video to transfer to the auto-copy location, you can choose to exclude video by placing a check mark in the Exclude Video box.

	Working Folders				
	Integration Folder	Folder			Add
		C:\Acquisitions			Delete
		D:\Server Location			Delete
	When opening st	udies, search integratio	n folder last.		
2	Auto-copy				
g s	📝 Auto-copy acqu	isitions after integration	ı	D:\Server Location	•
	📃 Exclude Vide	:0			
				ОК	Cancel
	Shared Options				

Work Fold

If you've set up the working folders so that studies integrate to C:\Acquisitions and then back up to the auto-copy location, ensure that there is a check mark placed in front of "When opening studies, search integration folder last", so that Sleepware G3 will open the
 study from the auto-copy (server) location for scoring and review.

Creating a permanent storage or archive folder location

When considering a permanent storage place for studies, some labs decide to use a location other than the auto-copy or server location (such as a large capacity external hard drive). If your lab chooses to have a separate location for storage, this storage location can be added as a working folder for easy transfer by accessing the File Management area in the Tools menu. The next few slides will demonstrate this action.

**It is strongly recommended to create a permanent storage location, rather than using the backup /scoring location for storage. Moving studies from the backup location to a permanent storage location will reduce the number of studies you must search through for scoring and will prevent the network from slowing down due to too many studies included during searches.

Working Folders			$\overline{\mathbf{X}}$
Integration Folder	Folder C:\Acquisitions D:\Server Location G:\Acquisitions_Archive]	Add Delete
	dies, search integration folder last.		
Auto-copy			
📝 Auto-copy acqui	sitions after integration	D:\Server Location	• •
Exclude Vide	D		
		ОК	Cancel
Shared Options			



Transferring Study Data to the Archive Location

To transfer a study from the auto-copy/backup location to a permanent storage or archive location, select Tools from the main menu of Sleepware G3 and Acquisition File Management from the dropdown menu.

Tools > Acquisition File Management





Transferring Study Data to the Archive Location

To begin the transfer, select your auto-copy folder location as the Working Folder. Next, place a check mark in the box in front of the acquisition you would like to transfer. Next, in the Operation section, choose your permanent storage or archive working folder as the Target Location. If you have this location set up as a Working folder, it will appear on the dropdown list. If you do not, then you can Browse to the location. In this case, G:\Acquisitions_Archive.

Acquisition File Manage	ement									$\overline{\mathbf{X}}$
Search By										
Last Name:				Fro	m Date:	Janua	ary 01, 1980			🔍 Search
Acquisition State:	All			▼ To	Date:	Septer	nber 27, 2016			
Assigned To:	All			•						
Working Folder:	D:\Server Location			•						
00031770 A5BS03 0000005 AN1PDE 00001679 A5BS00 00000032 A5BS00 000000143 100760 00000007 AN1PDE 00000014 100760 00000001 AN1PDE 00000010 AN1PDE	P03 s 007 ShariAutoSVT 825 Sleep w video 1013 Split Night Splitnight P03 W	Study s AutoSVTrend test 1 PTT_3 Quality j Jim Clint	8/4/2003 11/6/1974 1/1/1970 1/11/1970 5/4/1941 1/15/1963 11/7/1974 12/7/1974 11/1/1974	LDG120911 3294,FW2286 AutoSVTrend Sleep w vid 123645488 as I-Did-n JWEP03294 123 w	12/9/2011 11/6/2014 11/6/2010 1/25/2006 7/11/2004 6/9/2015 11/8/2014 4/27/2015 11/1/2014	10:12:15 7:44:37 0:38:47 7:52:00 6:39:00 8:38:28 7:33:21 6:56:44 8:22:32	Scoring Verified Scoring Completed Completed Scoring New New	Todd Towanda Towanda Ron Fligge Towanda None None None	Litwin, VERSC	
Selected acquisitions: 0				Sel	ection size: 0.	0 MB			v	All None
Operation										
Target Location:	G:\Acquisitions_Archiv The target location can Free space on target d	not be on an opti		such as a CD, DVE) or Blu-ray di	rive.		-	Browse.	



Transferring Study Data to the Permanent Storage/Archive Location

Acquisition File Manag	jement										
Search By											
Last Name:	1			Fro	m Date:	Janu	uary 01,1980			Q s	Search
Acquisition State:	All				Date:	Septe	mber 27, 2016				
	All				Date.						
-				•							
Working Folder:	D:\Server Location			•							
Acq Num ^{\(\nabla\)} Device	Last Name	First Name	Birth Date	Patient ID	Acq Date	Duration	State	Assigned To	Interpr	Referring Phys.	
00000036 A5BS018	Sleep w video	test 1	1/11/1900	Sleep w vid	1/25/2006	7:52:00) Completed	Towanda			
00000032 A5BS001		PTT_3	5/4/1941	123645488	7/11/2004	6:39:00					
00000027 A5B1013		MWT	1/1/1990	5589647	3/2/2004	0:40:00		None			
00000020 AN1PDEF		m2, V1.0.0	11/13/1974	after saw e				None			
AN1PDEF		Albert	11/12/1974	2295,3294	11/12/2014			Towanda			
00000018 APDx100		British	3/28/1966	123456	9/12/2008	5:53:00					
00000018 APDX60	APDx60	StdConfig+Act		APDx60	1/17/2013	7:06:39		Doctor			
00000016 APDx121		Actigraphy		19735246	6/3/2010	8:04:00		Towanda			
00000015 APDxX00	043 AlicePDx	Sev_OSA	11/14/1948	32668446135	//8/2008	8:15:00) Verified	Doctor		• II . A	*1
Selected acquisitions: 0				Sele	ection size: 0.0	0 MB			4	All	None
Operation											
Target Location:	G:\Acquisitions Archiv							•	Brows	-	
Turget Location			! diels deuiee e		Plu anu da			•	DIGWa	e	
	The target location car Free space on target d		cal disk device si	UCh as a CD, DVL) or blu-ray ur	ive.					
Copy the selected	acquisitions to the targe	t location									
Exclude V	ideo Files										
Copy only the sco	oring files of the selected	acquisitions to the	target location								
Move the selected	acquisitions to the targe	t location									
Archive the select	ed acquisitions to the tar	get location and a	pply the following	g (optional) label:							
Exclude V	ideo Files										
Delete Video Files	from the selected acquis	sitions									
Delete acquisition	files										
									Contin	Clos	e

Notice in the Operations area options to copy, move, or archive a studies. Typically, you will select the first option: "Copy the selected acquisitions to the target location" and include video. If this method is chosen, the study will be copied and then reside in both locations: the backup location and the archive location. It is recommended that once it is verified the study is copied to the storage location, you should delete the study from the backup location. These steps will be shown in the next few slides.

Verifying Archive Location

To verify studies have been copied to the permanent storage location, select this location as your Working Folder location to see the studies populate.

Acquisition Fil	e Managemen	t									
Search By											
Last Name:					From	Date:	January	01, 1980			Search
Acquisition Sta	te: All				 To Da 	te:	February	28, 2017		•	
Assigned To:	All				-						
Working Folde	r: E:\Arc	hive Location			•						
Acq Num	Device	Last Name	First Name	Birth Date	Patient ID	Acq Date /	Duration	State	Assigned To	Interpreting Phys.	Ref
00000036	A5BS01825	Sleep w video	test 1	1/11/1900	Sleep w vid	1/25/2006	7:52:00	Completed	Towanda		
0000032	A5BS001013	Split Night	PTT_3	5/4/1941	123645488	7/11/2004	6:39:00	Completed	Ron Fligge		
00000027	A5B1013	Beta	MWT	1/1/1990	5589647	3/2/2004	0:40:00	Scoring	None		
00000020	AN1PDEP03		m2, V1.0.0	11/13/1974	after saw e	11/13/2014	6:33:04	New	None		
	AN1PDEP03		Albert	11/12/1974	2295,3294	11/12/2014	7:45:20	New	Towanda		
00000018	APDx10021 APDX60	Columbia APDx60	British	3/28/1966 1/17/1973	123456	9/12/2008 1/17/2013	5:53:00 7:06:39	Completed Verified	Ann		
00000018	APDX60 APDx12196	AlicePDx	StdConfig+Act Actigraphy	5/18/1955	APDx60 19735246	6/3/2010	8:04:00	Scoring	Doctor Towanda		
00000015	APDX12198 APDXX0043	AlicePDX	Sev OSA	11/14/1948	32668446135	7/8/2008	8:15:00	Verified	Doctor		
	A 5440045	Alloci DX	001_00A	11, 14, 1940	52000440100	,, 0, 2000	0.10.00	vermed	20000		
										AU .	



Now that you've verified the transfer, you can delete the files from the auto backup/server location. In this example, this location is: D:\Server Location

ast Name:	I.			From D	ate;	January	01, 1980			9	Search
equisition State:	All			 To Date 		Septembe	r 27, 2016				
ssigned To:	Δ#										
Vorking Folder:	D:\Server Location			•							
log Num 🍊 Devi	ce Last Name	First Name	Birth Date	Patient ID	Acq Date	Duration	State	Assigned 1	То	Interpreting Phys.	Ref,
	PD1000 W	Jim	12/7/1974	123	4/27/2015	6:56:44	Completed	None			
00000050 AN18	PDEP07 Greg	5 AcaComments	3/21/1976 4/13/1957	sleeptesting LEGACY_Mik	4/15/2016 8/15/2003	5:01:41	Completed Completed	Rob			
00000052 AN18	LegacyImport PDEP07 Buttercup	AcqComments Sparky	6/15/1955	buttercup	8/15/2003	9:07:51	Completed	None			
00000054 0055	and at the manual sea	Fred	1/7/1980	1234567a	5/22/2011	5:29:50	Verified	None			
00000054 AN1		Sparky	6/15/1955	buttercup	1/26/2017	4:43:56	Completed	None			
Operation											
arget Location:									-	Browse	
	The target location ca Free space on target	nnot be on an optic drive: Unknown	al disk device su	ich as a CD, DVD o	Blu-ray drive						
	ted acquisitions to the targe	t location									
Copy the select	the sector of the sector with										
	Video Files										
E theolude		acquisitions to the	target location								
Copy only the	Video files		target location								
Copy only the	Video Files scoring files of the selected	t location		(optional) label:							
 Exclude Copy only the Move the select Archive the sel 	e Video Files scoring files of the selected ted acquisitions to the targe	t location		(optional) label:							
Copy only the select Archive the select Exclude	s Video Files scoring files of the selected ted acquisitions to the targe ected acquisitions to the tar	t location rget location and ap		(optional) label:							



Operations options for transferring studies explained: Copy, move, archive and delete.

D:\Server Location		Browse
The target location cannot be on an optical disk device such as a CD, DVD or Blu-ray driv Free space on target drive: 19.54 GB	/e.	
ed acquisitions to the target location		
Video Files		
coring files of the selected acquisitions to the target location		
ed acquisitions to the target location		
acted acquisitions to the target location and apply the following (optional) label:	Archived	
Video Files		
es from the selected acquisitions		
on files		
		Continue Close
	The target location cannot be on an optical disk device such as a CD, DVD or Blu-ray driv Free space on target drive: 19.54 GB ed acquisitions to the target location Video Files scoring files of the selected acquisitions to the target location acted acquisitions to the target location acted acquisitions to the target location and apply the following (optional) label: Video Files es from the selected acquisitions	The target location cannot be on an optical disk device such as a CD, DVD or Blu-ray drive. Free space on target drive: 19.54 GB red acquisitions to the target location Video Files red acquisitions to the target location red acquisitions to the target location red acquisitions to the target location and apply the following (optional) label: Video Files res from the selected acquisitions

- 1. Copy the selected acquisitions to the target location: Puts a copy of the selected acquisitions in the target location and does not delete the original files. You can also choose to "Exclude Video Files" associated with the acquisition.
- 2. Copy only the scoring files of the selected acquisitions to the target location: Copies only the scoring files associated with the selected acquisitions, not the acquisition files.
- 3. Move the selected acquisitions to the target location: Copies the selected acquisition files to the target location then deletes the originals after the copy.
- 4. Archive the selected acquisitions to the target location and apply the following (optional) label: Copies the selected acquisition files to the target location, then deletes the originals after the copy. This function also adds a user-specified archive label and computer-generated archive date to that acquisition's record in the database. By default, an acquisition that has an archive label and date in the database does not appear when searching for acquisitions. You can also choose to "Exclude Video Files" associated with the acquisition.
- 5. Delete video files from the selected acquisitions: This option allows you to delete multiple video files at once.
- 6. Delete acquisition files: This option deletes all of the associated acquisition files for the selected acquisition. The entry in the database for the acquisitions remains and is not removed as part of the delete operation.



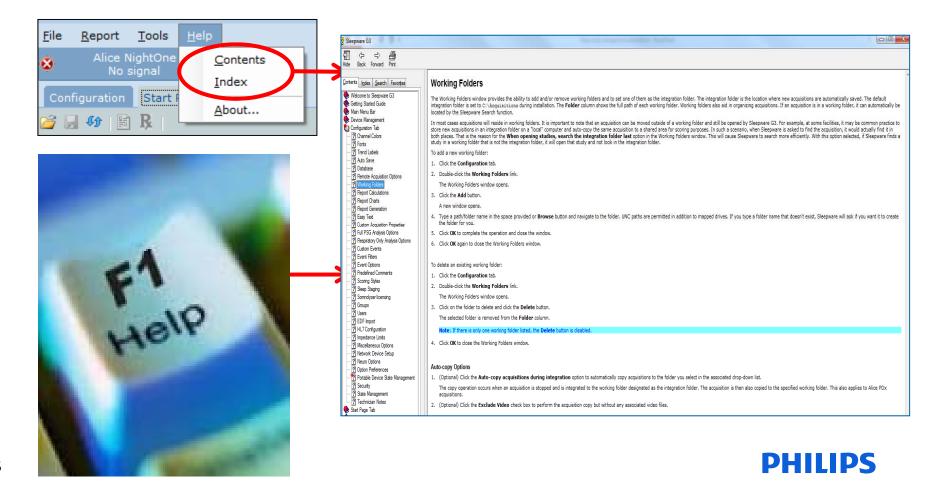
Last, it is important to manage the hard drive on each of your acquiring workstations. The folder location is C:\Acquisitons. The studies can be deleted by accessing the File Management tool. Select the C:\Acquisitons folder as the working folder. Select the studies that you'd like to delete. Next, select Delete Acquisition Files at the bottom of the page, and click on Continue to proceed.

						quired Date:	C	ustom		~	
Acquisition State:	All				▼ Fro	om Date:		January 01, 1	980		
Assigned T	All					Date:		March 07, 2	017		
Working Folder:		uisitions				Date.					
fronting rolden	C. Mod										
Acq Num / De	vice	Last Name	First Name	Birth Date	Patient ID	Acq Date	Duration	State	Assigned To	Interpreting Phys.	
🔽 00000001 AN	1PD1000	W	Jim	12/7/1974	123	4/27/2015	6:56:44	Completed	None		
V 0000050 AN	1PDEP07	Greg	S	3/21/1976	sleeptesting	4/15/2016	5:01:41	Completed	Rob		
☑ 00000052 4		LegacyImport	AcqComments	4/13/1957	LEGACY_Mik	8/15/2003	1:27:13	Completed	Rob		
☑ 00000052 AN			Sparky	6/15/1955	buttercup	1/25/2017	9:07:51	Completed	None		
00000054 00		Angstadt	Fred	1/7/1980	1234567a	5/22/2011	5:29:50	Verified	None		
🛛 00000054 AN	1PDEP07	Buttercup	Sparky	6/15/1955	buttercup	1/26/2017	4:43:56	Completed	None		
Selected acquisition	s: 6				Select	ion size: 507.(6 MB			All 🖉	
	s: 6				Select	ion size: 507.(6 MB			All 🗸	
Selected acquisition Operation	s: 6				Select	ion size: 507.(6 MB			All 🗸	
	s: 6				Select	ion size: 507.(6 MB		•	All All	
Operation	The t	arget location car space on target d		al disk device su	Select ich as a CD, DVD o				•		
Operation Target Location:	The t Free	space on target d	rive: Unknown	al disk device su					v (
Operation Target Location:	The t Free	space on target d tions to the targe	rive: Unknown	al disk device su							
Operation Target Location: Copy the sel Exclusion	The t Free ected acquisi ide Video File	space on target d tions to the targe s	rive: Unknown						v (
Operation Target Location: Copy the sel Exclu Copy only th	The t Free ected acquisi ide Video File e scoring file	space on target d tions to the targe s	Irive: Unknown t location acquisitions to the						v (
Operation Target Location: Copy the sel Exclu Copy only th Move the sel	The t Free ected acquisi ide Video File e scoring file ected acquisi	space on target d tions to the targe is s of the selected tions to the targe	Irive: Unknown t location acquisitions to the	target location	ich as a CD, DVD oi				•		
Operation Target Location: Copy the sel Copy only th Move the sel Archive the sel	The t Free ected acquisi ide Video File e scoring file ected acquisi	space on target d tions to the targe is s of the selected tions to the targe isitions to the targe	Irive: Unknown t location acquisitions to the t location	target location	ich as a CD, DVD oi				· · · · · · · · · · · · · · · · · · ·		
Operation Target Location: Copy the sel Copy only th Move the sel Archive the sel	The t Free ected acquisi de Video File e scoring file ected acquisi elected acquisi	space on target d tions to the targe is s of the selected tions to the targe isitions to the targe	Irive: Unknown t location acquisitions to the t location get location and ap	target location	ich as a CD, DVD oi				•		



Help!

For more information about Sleepware G3 , you can access the online Help by selecting <u>Help</u> from the main menu and then **Contents** or **Index**. *OR...* press **F1** on your computer's keyboard to view the online Help.



Thank You



Note: Screenshots are from the Sleepware G3 software and may differ from your version of Sleepware.

Disclaimer: Screenshots may change based on software version.



Consult Sleepware G3's online help for additional information.

1134872 R00 RPM 5/31/2017

Sleepware G3 with Somnolyzer

Workflow efficiencies using User Management, State Management and the Location field





Benefits of User, State, and Location Management

- Location fields can be used to set up multiple geographic locations or user locations for your lab. Locations can facilitate user location and sleep study data partitioning per geographic area. With use of the location field, it is possible to assign patients to a specific location who can only be seen by users with that same location.
- Adding and managing users to Sleepware G3 allows individual user login, user customized work preferences, and the ability for 'patient assignment' to various users, such as a scoring tech or interpreting physician, as the patient goes through the testing cycle from acquisition to complete.
- Sleepware G3 users can be assigned to one or more locations.
- State management allows a user to assign a status to a sleep study for tracking progress through sleep study process, such as Newly Acquired, Scoring, Scored, Interpreting, Interpreted or Complete.



Objectives

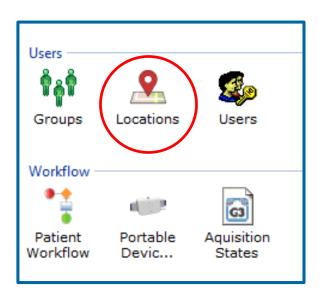
- How to configure Sleepware G3 for locations, user management and state management.
- How to assign a location to a user.
- How to assign a location to a patient.
- How to enable and utilize User Management in Sleepware G3.
- How to enable and utilize State Management in Sleepware G3.



Workflow Efficiency Part 1. Location Management



Workflow Efficiencies Locations

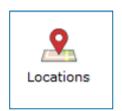


Configuration > Locations

Locations can represent geographical locations or places, or they can represent physicians. Locations are used to facilitate patient privacy and data partitioning. Because of the location assignment, patients from a specific location can only be seen by Sleepware G3 users associated with that same location. This helps ensure that physicians or sleep labs can only see their own patients and not see patients of other physicians or sleep labs.

To add locations, double left-click on the Locations icon.

Add Locations



Locations	$\overline{\mathbf{X}}$
Location / Beijing Munich Paris Pittsburgh Tokyo Vienna	Add Modify Delete
	Close
Shared Options	

Location names can be edited using Modify, even after they are assigned to a user or Patient. The user profile or patient info will automatically update to reflect the change.

A location cannot be deleted if patients are assigned to it or if a user not in the Global Administrator group has it in his or her list of locations.

The ability to configure locations shall only be available when user management is enabled.



Assigning Locations to a Sleepware G3 user

User: Steve		User: Steve	$\overline{\mathbf{N}}$
Settings Privileges	Locations	Settings Privileges Locations	1
User Name:	Steve	All Locations	
Password:	(Hashed Password)	Specific Locations:	Locations /
E-mail:			E Beijing
Last Name:	Magellan		 Munich Paris
First Name:	Steve		V Pittsburgh
Middle Name:			 Tokyo Vienna
Suffix:			A Norma
Title:	Dr.		
Groups:	Groups		
	Global Administrator		
	Scorers V Physicians		
		Default Location:	Pittsburgh 👻
Account is Locked	4		
L	OK Cancel		OK Cancel

- Users can be assigned one or more locations.
- Users should be assigned a default location.
- If this user creates a patient in Sleepware G3, this default location will be used as a patient's location (unless changed).



Assigning Locations to a Sleepware G3 User

User: Dawn		×	User: Dawn	×
Settings Privileges	Locations	_	Settings Privileges Locations	
User Name:	Dawn		All Locations	
Password:	(No Password)		Specific Locations:	Locations /
E-mail:				🔽 Beijing
Last Name:	Discotheque			Munich
First Name:	Dawn			 ✓ Paris ✓ Pittsburgh
Middle Name:				✓ Tokyo✓ Vienna
Suffix:				Vienna
Title:	Lab Manager			
Groups:	Groups			
	Global Administrator			
	Scorers Physicians			
			Default Location:	Pittsburgh 🔻
Account is Locked	I			
	OK Cancel			OK Cancel

All members of the Global Administrator group will have the access of ALL locations, which cannot be changed.

Assigning a location to a patient record

Patient Info	X
Patient Patient Stats Medications	Referring Physician Interpreting Physician General
Location	
Location:	None 🔻
Acquisition Order Number	Munich Paris
Order Number:	Pittsburgh Tokyo Vienna
Awaiting Acquisition	None
None	
Awaiting Portable Acquisition	
Awaiting In-Lab Acquisition	
Add Photo	OK Cancel

(Note: Adding a location to a patient record will be covered in the User Management section of this presentation.)

- Location is selectable from within the Patient Info file when adding a new patient or editing the record of an existing patient.
- Acquisitions that were acquired prior to Sleepware G3 v. 3.9.0 will be assigned the location of none.
- The use of locations is optional and the location called "None" is provided as the default.
- Any Sleepware G3 user can view any patient whose location is marked as "None."





Location & the Start Page

The recently acquired acquisition list will display acquisitions:

- From patients with the same location as the user logged in.
- From patients with the location of None.

e <u>E</u> dit <u>V</u> iev	_	g <u>D</u> evices	<u>R</u> eport		Tools	Wor <u>k</u> spaces	<u>W</u> indow	<u>H</u> elp	PHILIPS	
Alice Nig No sig		- 🗸		A6 ad-Only		<u>.</u> 💫 💌				
Configuration	Start Page								RESPIR	ONICS
🙆 😡 🚱 🗄	100	R R								
Recently Open	ed Acquis	itions				My Acquisition	าร			
Name	Report	Acquisition ID)	Date		Name	Report	Acqui	sition ID	Date
Inter-Scorer, A.		00000352-10	0881	2/3/20	17					
,		0000001-Ed	f-130	10/11/	20					
Anderson, Ed		00000253-10	0881	7/27/2	016					
MSLT Nap, Acq.		00001200-A5	BS03	6/17/2	010					
edf, import		0000003-Ed	f-130	11/7/2	016					
Video, Video		03310061-11	1269	2/7/20	17					
edf, import		0000006-Ed	f-130	11/7/2	016					
Ramierez, Patri		01520128-A5	BS01	2/21/2	017					
Pomager, Patri.		00011208-10		2/19/2						
Scruggs, Micha	el 📓 📓	00000017-AN	1PD1	2/1/20	17					
Recently Acqui	ired Acqui	sitions								
Name		Acquisition ID)	Date						
C. Rob		00000353-10	0881	2/9/20						
Tip of the Day										

The patient dashboard will display acquisitions:

- From patients with the same location as the user logged in.
- From patients with the location of None.

🜀 Sleepware G3 - D	emonstration l	Device. Not fo	or Therape	eutic or Di	agnostic	Use. Not for Sale			
<u>File E</u> dit <u>V</u> iew	<u>S</u> coring	<u>D</u> evices	<u>R</u> eport	Vide <u>o</u>	<u>T</u> ools	Wor <u>k</u> spaces	<u>W</u> indow		s
Alice Nigh				A6 Id-Only		<u> </u>			
	Start Page							RESP	IRONICS
😂 🖄 🗐 💔 🚼		R							
		1							
Patient Workflo	w Dashboar	d					Y	Portable Device D	ashboard
Name	Status		Action			Reports	Day	Status 🔺	Device Name
New, Jimmy	New Patient			Device 1				🛷 Available	AN1PD_1000 ···
Redding, Otis				re Devic	e			V Available	AN1PD_EP04 ···
Dufresne, Andy	New Acquisi			0000001	E dE 1		13	In Use	AN1PD_1000 ··· AN1PD_1000 ···
, D10, D10	New Acquisi			00000051			35	Periodic Maine	ANTPD_1000
Doe, Jane	New Acquisi			0000040			35		
Dummy2, Du			1 State 1 Stat	0000334			17		
Washington, G	Verifying		Open 0	0000330	-1008		54		
Tip of the Day									
8 patients in workfl	ow							📒 Dat	abase Connected 👻 🚲



Location and Search

The location field is a dropdown box populated with all the locations that the user is assigned, as well as the choice of "All of My Locations" and "None." "All of My Locations" is the default.

Database Acc	uisition Search										
Search By											
Last Name:					Acquired Da	te:	Cu	stom		- Q	Search
Patient ID:					From Dai	te:	3	anuary 01,19	80		
Acquisition Sta	ate: All			•	To Date:			May 09,20	17		
Assigned To:	All			-	Location:		All	of My Location	s	-	
Show arch	ived acquisitions						Pa	of My Location ris tsburgh	s		
Acq Num /	Device	Last Name	First Name	Birth Date	Patient ID	Acq Date	Duration		Assigned To	Interpreting Phys.	Referrii 4
00000001	AN1PD1000	Einstein	Albert	1/30/1977	e=mc2	3/22/2017	0:01:22	Completed	Dawn		
00000001	AN1PD1000	W	Jim	12/7/1974	123	4/27/2015	6:56:44	Completed	None		
00000004	AN1PD1000	BluetoothPAP	NightOne	4/27/1975	bluetooth	4/27/2015	5:07:42	Completed	None		
8000000	AN1PD1000	Clemente	R	3/6/1977	Pirates21	3/7/2017	4:44:30	Completed	Dawn		
0000009	AN1PD1000	Blass	Steve	3/8/1977	Blass	3/8/2017	0:02:00	Completed	None		
0000017	AN1PDEP1B	Ron	Fontane	3/16/1977	test	10/9/2014	7:12:08	Completed	None		
0000025	AN1PD1000	С	Rob	10/13/1976	Rob001	2/22/2016	0:30:00	Completed	Rob		
0000027	AN1PD1000	D1	D1	11/22/1976	D1	12/1/2016	0:04:39	Completed	None		
0000034	AN1PDEP07	Sparrow	3	4/3/1975	time shorter	4/10/2015	1:03:51	Completed	None		
0000050	AN1PDEP07	Greg	S	3/21/1976	sleeptesting	4/15/2016	5:01:41	Completed	Rob		-
0000052	4	LegacyImport	AcqComments	4/13/1957	LEGACY_Mik	8/15/2003	1:27:13	Completed	Rob		
0000052	AN1PDEP07	Buttercup	Sparky	6/15/1955	buttercup	1/25/2017	9:07:51	Completed	None		
0000054	005555	Angstadt	Fred	1/7/1980	1234567a	5/22/2011	5:29:50	Completed	None		
0000054	AN1PDEP07	Buttercup	Sparky	6/15/1955	buttercup	1/26/2017	4:43:56	Completed	None		
0000828	APDXRN01	D2	D2	11/22/1976	D2	12/1/2016	0:03:28	Completed	Rob		
									••		•
Delete	Status	Open								· · · · · · · · · · · · · · · · · · ·	Close
			_								



Other Places to view Locations

In these G3 areas, only patients in locations that are the same as what the user has will be displayed:

- File Acquisition Management
- Patient Entry Tool
- Cloud Management

- Clou	u ividi	Idgell	ient					111070	cquis			1110	901101	10		
		0.0				Acquisition File Mana	igement									\mathbf{X}
						Search By										
						Last Name:					Acquired Date:	(Custom	Ŧ	Q	Search
						Acquisition State:	All			-	From Date:		January 01, 1980			
						Assigned <u>T</u> o: Working Folder:	All C:\Acquisitions			-	To <u>D</u> ate: Location:		March 06, 2017		-	
		Patie	nt Fnt	ry Tool						•			Dr. Schwartz All of My Locations		<u> </u>	
		i utici		1, 1001		Acq Num / Device		ne First Name D1	Birth Date 11/22/1976	Patient ID	Acq Date 10/7/2016		Dr. Schwartz None		g Phys. Re	ef
Patient List							[Acquisition Abe	1/1/1970 4/26/1976	ISRTemp2 Abe001	2/3/2017 4/26/2016	0:04:30				
							-									
Last <u>N</u> ame:							<u>S</u> earch	J								
<u>I</u> D:																
<u>R</u> eferring Physician:		All				-					election size: 0.0 M	ме		v	All	None
Interpreting Physicia	an:	All				•				51	election size: 0.0 r	MD				
Location:	(All of My L	ocations			•										
								annot be on an opt	cal disk device suc	h as a CD, D\	/D or Blu-ray drive	e.		 <u>B</u>rowse 	. 😢	
Last Name / Fir	rst Name I	D	Birth Date	Phone	Referring Physician	Interpreting	Physician 🔺	drive: Unknown et location								
		Fest PR24	1/1/1970					et location								
		AdultPatient0 Rob001	6/6/1971 10/13/1976		Dr. Pepper	Dr. Pepper		I acquisitions to the	target location							
Dummy2 Du	ummy2 D	Dummy2	1/20/1977		ынсррск	Diffepper		et location rget location and a	pply the following ((optional) labe	d:					
		SRTemp SRTemp2	1/1/1970 1/1/1970													_
			4/12/1057				*	isitions								
Add	Modify	Delete				(Close]						Continue	Clo	ise
24 patients																

File Acquisition Management

PHILIPS Other Places to view Locations (continued)

In these places, the patient name will simply be hidden from the user if the patient/acquisition *is from a location not assigned to the current user.*"

- File Open (screen shot below)
- Portable Device Manager (Tools > Portable Device Manager)
- Alice NightOne Import
- Alice PDx Import

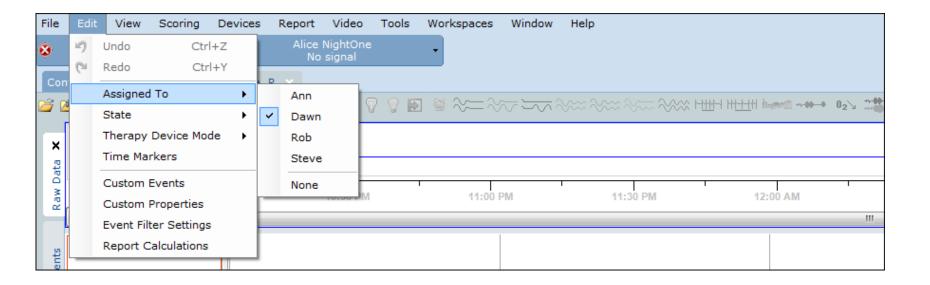
A user will still be able to import a study from Alice NightOne and Alice PDx but the patient name will not be visible.

Open Acquisition									X
Source folder: C:\Acquisiti	ons						▼ [€] 3		
▼ 🎚 Location	Ac	qui ⁷ Last N	First N	Patien	Study	Durati	Assig	State	*
		0000 Einstein	Albert	e=mc2	3/22/20	00:01:22	Ann	Completed	
🛡 🚅 Working Folder		0000 W	Jim	123	4/27/20	06:56:44	Ann	Completed	
C:\Acquisitions	🚼 000		•••••	•••••		•••••	•••••		Ξ
()0000001-A5BS00005	83 000		•••••				•••••		
			•••••	•••••		•••••	•••••		
 \1154			•••••	•••••	•••••	•••••	•••••	•••••	

EXAMPLE Locations and User Assignment

Only the users with the same Location as the patient for the acquisition will be displayed.

Users from one location will not be able to see users from a separate location.





PHILIPS

Location field Upgrade considerations

The locations field in Sleepware G3 is new with v 3.9.0. When a customer first upgrades to 3.9.0

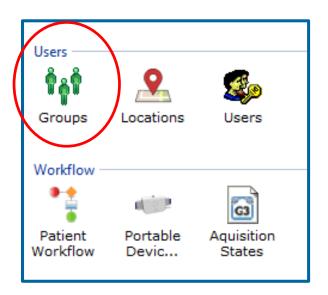
- All patients are automatically set to a default location of "None."
- Locations must first be configured to use them. Configuration Page > Locations.
- Locations must be assigned manually to Sleepware G3 users. Configuration Page > Users > Location tab.
- Locations can then be assigned to patients. Tools > Patient List.
- After locations have been assigned to a user, it is the default location for the user that will be assigned to patients created by this user. It is possible to assign a different location to a user.

If it is desired to assign a location to a patient's files whose acquisitions were collected prior to 3.9, the user must edit each patient record individually. There is not a function within Sleepware G3 that allows for a bulk location assignment, although our Product Support team does have a utility that can perform this function for you.

Workflow Efficiency Part 2. Group and User Management



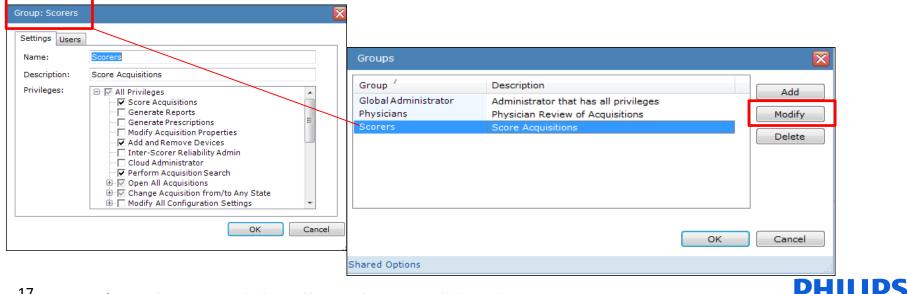
Workflow Efficiencies



Groups

A quick review about Groups:

- By default, the following groups appear: Global Administrator, Scorers, and Physicians.
- New groups can be created and existing groups can be deleted.
- Users, upon setup, are assigned to one or several of these groups.
- System privileges for a group can be assigned that will apply to users in the group.



¹⁷ *On the next slide, all privileges will be shown.

User Privileges that can be assigned to groups - the complete list

	🗹 Modify Analysis Parameters
	Modify Auto Save
New Lless	Modify Channel Colors
New User	Modify Custom Acquisition Properties
	Modify Custom Events
Settings Privileges Locations	Modify Database Options
Bettings Thinkiges Educations	 Modify Easy Text Options Modify EEG Montage
🖃 🔽 All Privileges	Modify Event Filters
Score Acquisitions	Modify Event Inters
Generate Reports	Modify EDF Import Options
Generate Prescriptions	Modify Fonts
Modify Acquisition Properties	Modify Groups
Add and Remove Devices	Modify HL7 Configuration
	Modify Impedance Limits
Inter-Scorer Reliability Admin	···· 🗹 Modify Locations
Cloud Administrator	
Perform Acquisition Search	✓ Modify Network Device Setup ✓ Modify Neuro Options
🕀 🔽 Open All Acquisitions	Modify Neuro Options
Open Acquisition Assigned to Any User	Modify Patient Workflow Options
🔽 Open Unassigned Acquisition	Modify Portable Device State Management Options
🕒 🗹 Open Acquisition in Any State User	Modify Predefined Comments
□ I Change Acquisition from/to Any State	🔤 Modify Remote Acquisition Options
Change Acquisition from State: New	
Change Acquisition from State: Scoring ngs Privileges	Locations
Change Acquisition from State: Scored	Modify Report Generation Options
	Sleep Staging Modify Scoring Styles
Change Acquisition from State: Verified Modify	Somnolyzer Licensing Options
	State Management Options
	Technician Notes Options
· • • • • • • • • • • • • • • • • • • •	Trend Labels
Change Acquisition to State: Scored	
	Working Folders
	Acquisition File Management Tool
	e Clinical Results Query Tool
	e Clinical Results Query Tool e Database Administration Tool
	Patient Entry Tool
	Physician Entry Tool
···· 🗹 Invoko	Portable Device Manager Tool

New User

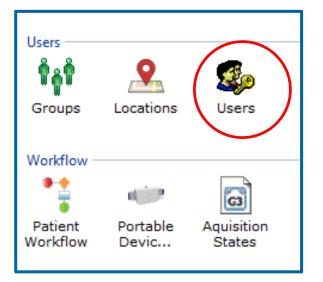
Settings Privileges Locations

Modify All Configuration Settings

Workflow Efficiencies User Management

The benefits of managing Users in G3:

Adding and managing users to Sleepware G3 allows individual user login.



A user can be assigned to a Group with select privileges.

A user can customize workspaces, select software preferences, and determine feature response settings.

Users give the ability to assign sleep studies to specific users in order to optimize workflow. For example, when a study is collected it can be assigned to the lead scorer. Once the scoring is complete, the lead scorer can assign it to the interpreting physician to review.



Manage users

Managing Users

Users			×
Security			
🔽 Manage use	ers		
User Names			
 Sleepware Domain: 		V	
🔽 Remember	username of last user		
Username /	Last Name	First Name	Add
Ann Dawn Joe Rob			Modify Delete
•	III	ок	Cancel
Shared Options			

By managing users, users must log into Sleepware G3 using their own username and password (password is optional).

There is an option to choose your Domain user name and password, which will be the same as your login for Windows. Once you log into Windows, Sleepware G3 will open by double left-clicking on the Sleepware G3 icon.

Or, you may choose to create Sleepware G3 usernames and passwords.

If the Remember username of last

user option is selected, Sleepware G3 remembers the user name of the last user that logged in. This option is enabled by default.

PHILIPS

To add a user, select Add.

Adding a user account - Adding a user and assigning groups

New User		New User		X
Settings Privileges L	ocations	Settings Privileges	Locations	
User Name:		User Name:	Superuser	
Password:	(No Password)	Password:		
E-mail:		E-mail:		
Last Name:		Last Name:	Case	
First Name:		First Name:	Justin	
Middle Name:		Middle Name:		
Suffix:		Suffix:	M.D.	
Title:		Title:		
Groups:	Groups Global Administrator Scorers Physicians	Groups:	Groups Image: Global Administrator Image: Scorers Image: Physicians	
Account is Locked		Account is Locked		
	OK Cancel		OK Cancel	

For this user the User Name, Last Name, First Name, and Suffix are entered and Groups are selected. The option to not use a Password was chosen.

*Note: If using electronic signature, Last Name and First Name must be entered.

21



User Management

User locations

- Assign Locations to a User.
- A choice of **All Locations** or the **Specific Locations** option are available.
- Specific Locations is not available for Global Administrators. A Global Administrator will be assigned to ALL locations.
- If you select the Specific Locations option for a user, you can then select one or more of the **Locations** listed.
- You can apply a default location for a user by selecting it from the **Default** Location drop-down list.
- Click **OK** to save the changes and close the User window.
- A default location for a user can be changed at any time by a Global Administrator.

User: :	Superuser		\mathbf{X}
	gs Privileges Locations		
	Locations		
Sp	ecific Locations:	Locations V Beijing V Munich V Paris V Pittsburgh V Tokyo V Vienna	
Defau	lt Location:	None	
Jser: Ann			
Settings Privileges Locati	ons		
All Locations			
Specific Locations:	Locations / Beijing Munich Paris Pittsburgh Tokyo Vienna		Cancel .::
Default Location:	Pittsburgh	•	
		OK Cancel .:	



User Management Assigning acquisitions to a specific user from within a patient record

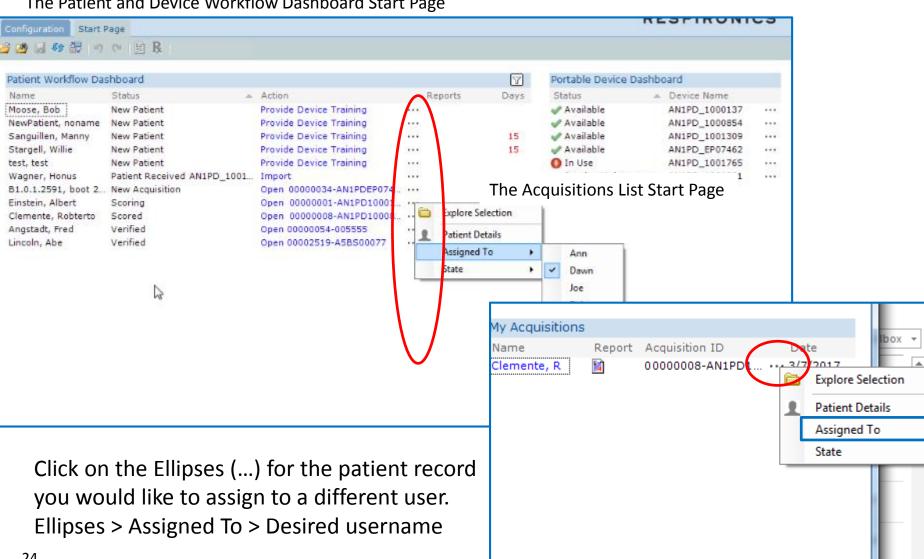
File	Edit	View	Scoring	Devices	s	Report	Video	Tools	Wo
1	19	Undo	Ctr	l+Z			NightOne signal		•
Con	G	Redo	Ctr	·l+Y			orginal All	art. V	
2 0		Assigned	То	•		Bob		L	
- 4		State		•		Dawn			VK
×		Therapy	Device Mo	de 🕨		Docto	r		
		Time Mar	rkers			Somn	olyzer		
v Data		Custom I	Events		~	Towar	nda		
Raw		Custom I	Properties			None		(territe	nit tin
		Event Filt	er Setting	s	-			_	
ţ		Report C	alculations						

When an acquisition is open, users will see their patients on the Acquisitions List Start Page under My Acquisitions. If on the Patient and Device Workflow Start Page, a users will see only the patients assigned to them there as well.

In order to assign a patient to another user while the sleep study record is open, the user selects Edit > Assigned To > and selects the user to whom they would like to assign the study.

User Management

Assigning Acquisitions to specific users from the Start Pages



The Patient and Device Workflow Dashboard Start Page

Managing Users – changing user assignment to None

- The last step in the user assignment process is to assign the Completed Records to the default user of "None." This process will clear patients from a user's "My Acquisitions" list. Typically it will be a lab manager or lead tech who performs this function.
- To access the list to change this, select the Search folder on the Sleepware G3 toolbar. Next, select all of the studies whose user you would like to change to None. Next, click on the Status button at the bottom of the page, select the drop-down arrow in the "New Assignment" section, and select None. Click OK.

					Acquired Da	te:	Cus	tom		-	Sea
arch <mark>arkflo</mark>	w Dashboar	d						nuary 01,19			
		Stat	u		From Dat	e:	Ja	iuary 01, 19	00		
Acquisition 3	State: All		-	•	To Date:			May 10,20	17		
Assigned To	: All			-	Location:		All			-	
Show are	hived acquisitions				a 1		•	a			
	Deview	1	E. I. N.	Update Acquisition	Status		Þ	-	A	To be a set of the set	
Acq Num '	Device	Last Name	First Name	New Cheber				tate	Assigned To	Interpreting Phys.	R
00000001	AN1PD1000	Einstein	Albert	New State:	Same as o	urrent	•	ompleted	Ann		
00000001	AN1PD1000	W	Jim					completed	Ann		
00000004	AN1PD1000	BluetoothPAP	NightOne	New Assignment:	Same as o	urrent	-	Completed	None		
0000008	AN1PD1000	Clemente	R		Same as c	urrent		Completed	Dawn		
0000009	AN1PD1000	Blass	Steve		None			completed	None		
00000017	AN1PDEP1B	Ron	Fontane		Ann Dawn			completed	None		
00000025	AN1PD1000		Rob	15 acquisitions selected	D - h			Completed	Rob		
00000027	AN1PD1000	D1	DI (Steve			completed	None		
00000034	AN1PDEP07	Sparrow	J	4/3/1975	time shorter	4/10/2015	1:03:51	Completed	None		
00000050	AN1PDEP07	Greg	S	3/21/1976	sleeptesting	4/15/2016	5:01:41	Completed	Rob		
00000052	4	LegacyImport	AcqCommen		LEGACY_Mik	8/15/2003	1:27:13	Completed	Rob		
00000052	AN1PDEP07	Buttercup	Sparky	6/15/1955	buttercup	1/25/2017	9:07:51	Completed	None		
00000054	005555	Angstadt	Fred	1/7/1980	1234567a	5/22/2011	5:29:50	Completed	None		
00000054	AN1PDEP07	Buttercup	Sparky	6/15/1955	buttercup	1/26/2017	4:43:56	Completed	Ann		
00000828	APDXRN01	D2	D2	11/22/1976	D2	12/1/2016	0:03:28	Completed	Rob		
00000828											

Performing this action is very important. If this is not performed, having too many patients on the start page can slow down the software.



Workflow Efficiency Part 3. State Management



State Management Options

With all Predefined States in Use:

Users Groups	Locations	Users	
Workflow – Patient Workflow	Portable Devic	Aquisition States	

The State Management window allows you manage the *states* assigned to acquisitions. States allow acquisitions to be tracked as they progress through a workflow from New to Completed.

State Management Options									
General Settings									
Manage States									
Use Custom States	Use Custom States								
Enforce state-related privileges									
Prompt to update acquisition status when closing acquisition									
Define States									
Choose the states that should be included in your process flow and assign each a name. Note that states "New" and "Completed" must always be present in the process flow.									
Predefined State	Predefined State Name								
🔽 New	New								
Scoring	Scoring								
Scored	Scored								
Verifying	Verifying								
📝 Verified	Verified								
Completed	Completed								
\vee									
	OK Cancel								
Shared Options									

New and Completed must always exist as States. The others can be removed by deselecting them. The State Name for each can be edited. Enabling **Prompt to update acquisition status when closing**

²⁷ **an acquisition** can be done so by clicking the associated check box.



Using State Management in G3

 For example, the diagram on the right shows that the names of the Verifying and Verified states have been changed to Interpreted and Interpreting and the Scoring and Interpreting state have been disabled.

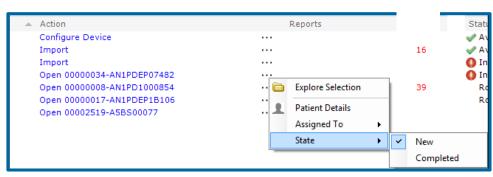
State Management Options	×		State Management Options	$\overline{\mathbf{X}}$					
General Settings			General Settings						
Manage States			Manage States						
Use Custom States			Use Custom States						
Enforce state-related privileges	1		Enforce state-related privilege	es					
Prompt to update acquisition status when closing acquisition			Prompt to update acquisition status when closing acquisition						
Define States			Define States						
Choose the states that should be included in your process flow and assign each a name. Note that states "New" and "Completed" must always be present in the process flow.			Choose the states that should be included in your process flow and assign each a name. Note that states "New" and "Completed" must always be present in the process flow.						
Predefined State	Predefined State Name	-	Predefined State	Predefined State Name					
Vew	New		Vew	New					
Scoring	Scoring		Scoring	Scoring					
✓ Scored	Scored		Scored	Scored					
Verifying	Verifying		Verifying	Interpreting					
Verified	Verified		Verified	Interpreted					
Completed	Completed	-	Completed	Completed					
	OK Cancel			OK Cancel					
Shared Options			Shared Options						



State Management Options



You can deselect states from this list if you do not want to use them as part of the workflow. Although, New and Completed **must** remain, at a minimum in order to remove patients from the Patient Workflow Dashboard.



It will be necessary to use the Completed state to remove patients from the dashboard once their cycles are completed.

State Management Options	×					
General Settings						
Manage States						
Use Custom States						
Enforce state-related privileges						
Prompt to update acquisition status when closing acquisition						
Define States						
Choose the states that should be included in your process flow and assign each a name. Note that states "New" and "Completed" must always be present in the process flow.						
Predefined State	Predefined State Name					
V New	New					
Scoring						
Scored						
Verifying						
Verified						
Completed	Completed					
	OK Cancel					
Shared Options						

State Management Options with Patient and Device Workflow Dashboard



If State Management is deselected, there is no way to mark an imported study as completed to remove it from the dashboard.

Action

Import

Import

Configure Device

Open 00000034-AN1PDEP07482

Open 00000017-AN1PDEP1B106 Open 00000008-AN1PD1000854 Open 00002519-A5BS00077

	State Management Opt	tions 🔀							
	General Settings								
	Manage States								
	Use Custom States								
	Enforce state-related privileges								
	Prompt to update acquisition status when closing acquisition								
	Define States								
	Choose the states that should be included in your process flow and assign each a name. Note that states "New" and "Completed" must always be present in the process flow.								
	Predefined State Predefined State Name								
	✓ New	New							
I		Scoring							
	Reports	Scored							
		Verifying							
		Verified							
		Completed							
	Explore Selection								
	Patient Details	OK Cancel							
	Assigned To	·							
	Changing st	ate NOT available							

DHIIDS

Status

Received Device Training

New Acquisition

New Acquisition

30

Patient Received AN1PD_EP07462

Patient Received AN1PD_1001765

State Management – changing the status

To change the status of an acquisition when it is open, the user can select the State tab on the bottom toolbar and select the status from the menu.

3 Sleepware G3 - ASVSample, Patient (January 21, 1973)	
File Edit View Scoring Devices Report Video Tools Workspaces Window Help	PHILIPS
🗴 Alice PDx - 🐼 Alice NightOne - 💥 7-LDx-Q7401 video server 🧕 🗞 - 🐼 PS-LDx-A5BS00006 🔎 🛞 - No signal	
Configuration Start Page ASVSample, Patient ×	RESPIRONICS
🧉 🖄 🖟 🕫 🕫 ୯୮ 📓 🤻 🗑 🗉 ∰ 🖓 🖓 💡 🔄 🗟 🛇= ╲╲ך ═╲╲ ◊००० ╲००० ╲००० ┞ШН №±₩ ७००० ↔ 🗰 ۹₂० װ∰	
N2 N3 Image: Constraint of the second seco	
	10.35 FM ₩€ +
Tota Markup Piper 0 Paper Paper R7	Sp02 (avg) 86 Sp02 (min) 83 Sp02 (max) 88 Sp02 (max) 81 CPAP (avg) 8.1 CPAP (min) 8.0 S S
30 seconds ▼ He ←	
	State: Scoring 👻 📔 Dalabase Connected 👻



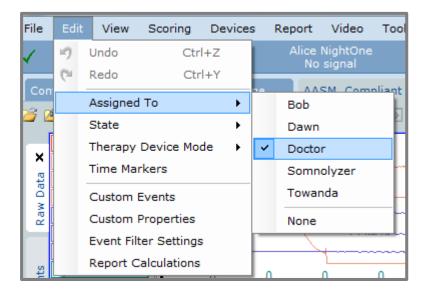
State Management – changing the status

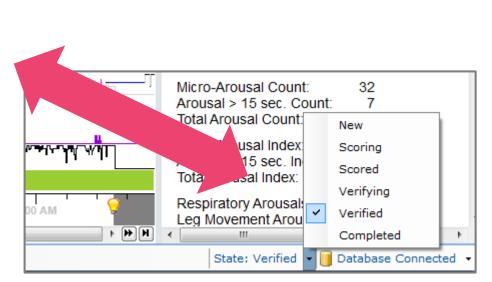
A user can click on the Ellipses (...) column from the Start Page to change acquisition state.

• Ellipses > State > Desired State

Configuration Start Page							
🎽 🆄 🚽 🐠 🚼 🔊 (°) 📓 Ŗ							
Recently Opened Acquisitions Name BluetoothPAP, NightOne Clemente, R Ron, Fontane 400626, Site 1 none, none none, none 300762, Site 1 none, none 300729, Site 1	Reports	Acquisition ID 00000004-AN1PD1000032 0000008-AN1PD1000854 00000017-AN1PDEP1B106 00400626-A5BS00280 00030744-A5BS06399 00002165-A5BS00961 00300762-A5BS00961 00300762-A5BS03043 00005154-A5BS05109 00300729-A5BS03043		Date 4/27/2015 3/7/2017 10/9/2014 3/15/2012 Explore Selection Patient Details Assigned To	•		My Acquisitions Name Clemente, R
20876, Site 3		00020876-A5BS03317	•	State	•		New Scoring
Recently Acquired Acquisitions							Scored
Name	Reports	Acquisition ID		Date			Verifying
							Verified
						~	Completed

Managing study status and user assignments



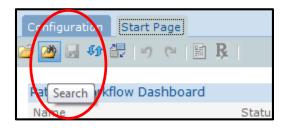


Acq Num	Device	Last Name	First Name	Birth Date	Patient ID	Acq Date	Duration	State	Assigned To
00100752	100519	ETCO2	Sample	1/8/2006	134580	11/5/2015	6:55:03	New	None
00000015	APDxX0043	AlicePDx	Sev_OSA	11/14/1948	32668446135	7/8/2008	8:15:00	Verified	Doctor
00004187	A5BS02621	4187	Site 3	1/1/1970	4187	4/18/2012	9:22:00	Scoring	Towanda
00000018	APDX60	APDx60	StdConfig+Act	1/17/1973	APDx60	1/17/2013	7:06:39	New	None
00031770	A5BS03358	Pediatric	Study	8/4/2003	LDG120911	12/9/2011	10:12:15	Scoring	Todd
04000840	A5BS06177	EEG	TEST	9/26/1980	23233	4/10/2009	1:10:00	Verified	Doctor
0000036	A5BS01825	Sleep w video	test 1	1/11/1900	Sleep w vid	1/25/2006	7:52:00	Completed	Towanda
00000004	AN1PD1000	Night One	therapy	4/17/1975	243	4/20/2015	7:24:12	New	None
0000011	AN1PDEP03	22	w	11/1/1974	w121	11/2/2014	8:01:28	New	None



Tip: Changing the state and user assignment of multiple studies at once





To remove patients from the Device and Patient Workflow Dashboard Start Page and remove patients from a user's "My Acquisitions" list, you must mark the study status as Completed and change the User Assignment to None. It is possible to change these items for multiple studies through the Database Acquisition Search Utility. To access, select the Search folder on the Sleepware G3 toolbar.

Database Acc	uisition Search										
Search By											
Last Name:					Acquired Da	te:	C	ustom		👻 🔍 Search]
Patient ID:					From Dat	te:]	anuary 01,19	80		
Acquisition St	ate: All			-	To Date:			May 01,20	17		
Assigned To:	All			•	Location:		A			•	
Show arch	ived acquisitions										
Acg Num /	Device	Last Name	First Name	Birth Date	Patient ID	Acq Date	Duration	State	Assigned To	Interpreting Phys. Refer	rii 🔺
00000001	AN1PD1000	Einstein	Albert	1/30/1977	e=mc2	3/22/2017	0:01:22	Completed	Dawn	, and provide the second	
00000001	AN1PD1000	W	Jim	12/7/1974	123	4/27/2015	6:56:44	Completed	None		
00000004	AN1PD1000	BluetoothPAP	NightOne	4/27/1975	bluetooth	4/27/2015	5:07:42	Verified	None		
00000008	AN1PD1000	Clemente	R	3/6/1977	Pirates21	3/7/2017	4:44:30	Verified	Dawn		
00000009	AN1PD1000	Blass	Steve	3/8/1977	Blass	3/8/2017	0:02:00	Completed	None		=
00000017	AN1PDEP1B	Ron	Fontane	3/16/1977	test	10/9/2014	7:12:08	Completed	None		
00000025	AN1PD1000	C	Rob	10/13/1976	Rob001	2/22/2016	0:30:00	Completed	Rob		
00000027	AN1PD1000	D1	D1	11/22/1976	D1	12/1/2016	0:04:39	Completed	None		
00000034	AN1PDEP07	Sparrow	3	4/3/1975	time shorter	4/10/2015	1:03:51	Verified	None		
00000050	AN1PDEP07	Greg	S	3/21/1976	sleeptesting	4/15/2016	5:01:41	Completed	Rob		
00000052	4	LegacyImport	AcqComments	4/13/1957	LEGACY_Mik	8/15/2003	1:27:13	Completed	Rob		
00000052	AN1PDEP07	Buttercup	Sparky	6/15/1955	buttercup	1/25/2017	9:07:51	Completed	None		
00000054	005555	Angstadt	Fred	1/7/1980	1234567a	5/22/2011	5:29:50	Completed	None		
00000054	AN1PDEP07	Buttercup	Sparky	6/15/1955	buttercup	1/26/2017	4:43:56	Completed	None		
00000828	APDXRN01	D2	D2	11/22/1976	D2	12/1/2016	0:03:28	Completed	Rob		-
1											
			_								
Delete	Status	Open								Close	
25 acquisitions											

**Note: It is recommended that studies be removed from the Patient and Device Dashboard Workflow Start Page and the My Acquisitions List (by assigning to None) as they are completed so that Sleepware G3 performs optimally and is not bogged down by loading excess study data.

Changing Study Status to "Completed" and "Assignment" to None for Multiple Studies

Select all of the studies whose status you would like to change by left-clicking on the first one on the list to highlight it, and then holding the **Ctrl** key down as you select others.

Next, click on the Status button at the bottom of the page; choose the Completed status from the drop-down for New State, and None from the drop-down for New Assignment. Select OK to execute the change. This action will remove all of the selected studies from the dashboard and from the My Acquisitions list for selected users.

Patient ID: Acquisition State: All To Date: May 01, 2017 Assigned To: All Location: All Location: All To Date: May 01, 2017 Show archived acquisitions Acq Num / Device Last Name First Name Birth Date Patient ID Acq Date Duration State Assigned To Interpreting Phys. Referring 00000001 ANIPD1000 Einstein Albert 1/30/1977 e=mc2 3/22/2017 0:01:22 Completed Dawn 00000001 ANIPD1000 Binstein Albert 1/30/1977 e=mc2 3/22/2017 0:01:22 Completed Dawn 00000001 ANIPD1000 BluetoothPAP NightOne 4/27/1975 bluetooth 4/27/2015 6:56:44 Completed None 00000004 ANIPD1000 Clemente R 3/6/1977 Pirates21 3/7/2017 4:44:30 Verified Dawn 00000009 ANIPD1000 Blass Steve 3/8/1977 Blass 3/8/2017 0:02:00 Completed None 00000009 ANIPD1000 C Rob Update Acquisition Status	Database Acq	uisition Search											Ð	×
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Acq Num ' Device Last Name First Name Birth Date Patient ID Acq Date Duration State Assigned To Interpreting Phys. Referrin 00000001 AN1PD1000 Einstein Albert 1/30/1977 e=mc2 3/22/2017 0:01:22 Completed Dawn 00000001 AN1PD1000 W Jim 12/7/1974 123 4/27/2015 6:56:44 Completed None 00000004 AN1PD1000 BluetoothPAP NightOne 4/27/1975 bluetooth 4/27/2015 5:07:42 Verified None 00000009 AN1PD1000 Blass Steve 3/6/1977 Pirates21 3/7/2017 4:44:30 Verified Dawn 00000017 AN1PD1000 Blass Steve 3/8/1977 Blass 3/8/2017 0:02:00 Completed None 00000017 AN1PD1000 C Rob Update Acquisition Status V Verified None 00000052 AN1PDEP07 Sparko Sparko New State: Completed None 00000054 00555	Assigned To:	All			•	Location:			All		•			
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			-											
					ew Assignment	: 1	Vone			•				
		APDXRN01	D2	D2									-	
Delete Status Open OK Cancel Close	•	*											•	
	Delete	Status	Open					ок	Cano	el 🗌			Close	
	0.0.00	510105	open							F			Close	

**Note: It is recommended that studies be removed from the Patient and Device Dashboard Workflow Start Page as they are completed so that Sleepware G3 performs optimally and is not bogged down by loading excess data. If you wish to avoid managing patients on the dashboard altogether, you must select "None" under the General tab when adding a patient to Sleepware G3. (From the main toolbar select Tools > Patient List > Add > General.)



Help!

For more information about Sleepware G3, you can access the online Help by selecting <u>Help</u> in the upper-right-end of the main menu bar and selecting **Contents** or **Index**. **OR...** just press **F1** on your computer keyboard to display the online Help.

<u>File Report Tools Help</u>	Sleepware G3	
	行日 (中) 日本 Hide Back Forward Print	
Alice NightOne <u>C</u> ontents	Contents Index Search Favorites Change Acquisition Status / Assignment	*
Index	Type in the keyword to find: The options shown in this window are dependent upon the options previously selected in the Miscellaneous Options window regarding State	
Configuration Start F	assigning acquisitions Management and the Prompt to update acquisition status when closing an acquisition. Here are three possibilities:	
	List Topics If the Manage Users option in the Users window, and the Full option of State Management and the Prompt to update acquisitions to the Acquisition of the Miscellaneous window are currently selected you can change the acquisition's State and Assignment	
	Select Topic to display: Aquisiton File Management Group at the treatment of the Management of the	
	Acquisition Locking Administrator Acquisition If users are not being managed, or the database is disconnected, or the <u>incounsition</u> originated from a different database and the Prompt update <u>incounsition</u> status when closing an <u>acquisition</u> is currently selected, you can only change the acquisition's State .	ot to
	Alice Nightone Device Information Alice Nightone Device Information C 2015 Koninklijke Philips N. V. All rights reser	erved.
	Audit Trail Change Acquisition Status / Assignment	
	Cleaning Up	
	Combine Acquisitions Conducting an Acquisition	
	Configuring the Sleepware G3 Environmer	
	Deployment Overview	
	Device Display Area	
	File Properties General Settings	
Help	General Settings	
	General Settings	
10	Giossary	
	Hypnogram Panel	
10.	Main Manu Bar	
	Miscellaneous Options Options Options	
	Overview of Sleepware G3 Displays	
	Patient Information and Acquisition Proper	
	Reanalyze Acquisition	
	Reports	
	Scorer Acquisitions Searching for Acquisitions	
	Security of Acquisions Security of Acquision of Soveriew	
	Sart Page Tab +	
	Display	
Statement of the local division of the local		Ŧ

Thank You



Note: Screenshots are from the Sleepware G3 software and may differ from your version of Sleepware. Disclaimer: Screenshots may change based on software version.



Consult Sleepware G3's online help for additional information.

1133364 R00 RPM 5/15/2017

Creating an acquisition using Alice 6 and Sleepware G3





Objectives Show how to:

- Start an Acquisition
- Check for equipment readiness
- Record video
- Use audio
- Enter patient data into Sleepware G3
- Select the configuration for recording
- Perform Bio calibrations, impedance checks and machine calibrations
- Apply lights off/lights on
- Change high pass and low pass filters
- Apply the QRS filter
- Change gain





Before Beginning the Acquisition

- Before starting the acquisition recording, verify that all the necessary cables and auxiliary equipment are attached securely to the appropriate ports on the rear of the Alice 6/Alice LDE Base Station.
- The green **Ready** light should be visible on the base station in the patient room.







You should see the device in the **Device Display Area** (Starter Bar) with a status of "Awaiting Acquisition."

A58509029)		Tools Workspaces Wind	low Help			PHILIPS
Awaiting Acquis	sition 🙁 👒						RESPIRONI
Configuration Sta							
19 CH 10 CH 10 CH							
Recently Opened	Acquisitions			My Acquisitions			
Name	Reports	Acquisition ID	Date	Name	Reports	Acquisition ID	Date
Tip of the Day							
Tip of the Day Did you know							
Did you know	G3 includes <u>new re</u>	port codes and comma	ands that take advantage of	information collected from a	dvanced therapy	v devices.	
Did you know	G3 includes <u>new re</u>	port codes and comma	ands that take advantage of	information collected from a	dvanced therap	v devices.	

Check that the database is connected.



Click on the Starter Bar drop-down arrow located on the right side and select **Start Acquisition** from that list, or left-click on Awaiting Acquisition.

AOM_Q7401_APSS20114 Awaiting Acquisition

The **Patient List** window is displayed.

Start Acquisition	
General Settings	
Audio and Video Settings	
Configuration Builder	
Synchronize Clock	
Check for Acquisitions	
Calibration	
Therapy Device Control	
Zero the Pressure Transdu	Jcer
Zero the LoFlo	
System Installation Check	6
System Log	
Remove A <mark>ud</mark> io and Video	Settings
Remove Device	

Patient List						٥
Last Name:		test				Constant Search
ID:						
Referring Phys	ician:	All				•
Interpreting Ph	iysician:	All				•
Last Name	First Name	ID	Birth Date 7	Phone	Referring Physician	Interpreting Physician
Test	PDx	1022	11/5/1953			
TEST	LC	77777777a	9/7/1958			
test	test	test	4/5/1973			
test	test	1235	9/16/1974			
TEST	TEST	XXXX	2/11/1976			
test	test	1234	2/11/1976			
Test	Test	98765	6/14/1976			
TEST	TITRATION R	0010010	9/16/1976			
Add						OK Cancel

Searching and Adding Patients

To add the patient information for the acquisition you are about to start, you will select from the patient list. Search for a patient who was previously added to the database or add a new patient and click OK.

ast Name:		test				C Search	
ID:							
Referring Phys	ician:	All				-	
Interpreting Ph	nysician:	All				•	
Last Name	First Name	ID	Birth Date 1	Phone	Referring Physician	Interpreting Physician	
Test	PDx	1022	11/5/1953				
TEST	LC	77777777a	9/7/1958				
test	test	test	4/5/1973				
test	test	1235	9/16/1974				
TEST	TEST	XXXX	2/11/1976				
test	test	1234	2/11/1976				
Test	Test	98765	6/14/1976				
TEST	TITRATION R	0010010	9/16/1976				
Add]					OK Cancel	

button in the bottom-left corner.

It is possible to add all patients to the database at any time prior to their study.

From the Sleepware G3 toolbar, select Tools > Patient List > Add

G3 SIe	epware	G3										1
File	Edit	View	Scoring	Devices	Report	Video	Tool	s Workspaces	Window	Help		
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<i>6</i>	<u>»</u> 🚽	ው ማ	(° 🖹]	₿.			ŶġŶ	Patient List				
							+	Physician List				
		0	at a second state				_			_		

Last Name:		Patient	Patient Stats	Medications	Referring Phy	sician	Interpreting Physician		earch
ID:		Patie	ent Informatio	n					
Referring Physic		Last	Name:				8		
Interpreting Phy	sician:	First	Name:				8		
Last Name	First Name	Midd	le Name:						an 🔺
20876	Site 3	Patie	nt ID:				8		
22 4187	w Site 3	Birth	Date:	June	07, 1976		•		E
4326, 2386 4367,2420	cannula	Gend	ler:	Male	🔘 Fe	emale			
961	Site 1	Cont	act Info						
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AlicePDx Angstadt	Sev_OSA Fred	City:					Phone 2: Fax:		
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ASVSample	Patient	Zip C	Code:						
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Bastida	Armando								-
bbA	Modify						ОК	Cancel	se



- •Fill in <u>at least these three</u> required fields indicated by the @icon.
- •The **patient ID** must be unique and contain at least four characters.
- •The other fields can be filled in during the acquisition or at a later time.

atient List	Patient Info			Search
D:	Patient Referring Phy	vsician Interpreting Physician		Jearch
teferring Physici	Patient Information	on		
nterpreting Ph	Last Name:		8	
	First Name:		\otimes	
Last Name	Middle Name:			ing Physician
	Patient ID:		8	
	Birth Date:	February 15, 1972	×	
	Gender:	Male		
	Contact Info			
	Address:		Phone 1:	
			Phone 2:	
	City:		Fax:	
	State:	1		
	Zip Code:			
	Email:	[]		
Add			ОК	Cancel Cancel
AUU			OK	Cancel Cancel

Once you have entered all necessary patient information, click OK.



Once OK is selected, the **Start Acquisition** window is displayed.

General Patient	Stats
Patient Infor	mation
Last Name:	Davis
First Name:	Robert
Middle Name:	
Patient ID:	dav111132
Birth Date:	February 15, 1972
Gender:	Male Female
cquisition Type: onfiguration:	95810 : Attended Polysomnography 4 o
ssign To:	AS_PSG_AASM AS_ASV_AASM AS_MSLT AS_MSLT_AASM

This window allows you to select the configuration for the acquisition type you will collect.

To select the configuration, click on the Configuration drop-down arrow.

General Patient S	tats	
Height:	72	inches
Weight:	230	lbs.
BMI:	31.2	lb/in²
Type:	 Adult Infant 	
Age:	40	years
Gestational Age:		weeks
cquisition Type:		Select
Configuration:	A5_PSG	•
ssign To:	None	-

Next you can fill in height and weight.

BMI is automatically calculated.

Gestational Age is completed for Infant studies.



PHILIPS You have the option to select

the Acquisition Type.	
Start Acquisition	Select the desired acquisition type.
General Patient Stats Height: 72 weight: 230 BMI: 31.2 Ib/in ² Type: Adult Infant Age: 40 gestational Age: Acquisition Type: Configuration: A5_PSG Assign To: None Start Cancel	Acquisition Types OFT Codes OS800 : Unattended sleep study OS801 : Unattended sleep study with resp. analysis OS803 : Actigraphy testing OS805 : Multiple sleep latency test or Maintenance of wakefulness test OS806 : Unattended sleep study and respiratory effort OS807 : Sleep study OS808 : Attended Polysomnography 1-3 channels OS808 : Attended Polysomnography 4 or more channels OS808 : Attended Polysomnography w/PAP Titration OS998 : HST w/type II portable monitor, unattended OG399 : HST w/type II portable monitor, unattended OG399 : HST w/type II portable monitor, unattended OG399 : HST w/type IV portable monitor, unattended Od399 : HST w/type II portable monitor, unattended Od399 : HST w/type II portable monitor, unattended OUS99 : HST w/type IV portable monitor, unattended OUS99 : HST w/type IV portable monitor, unattended OUS99 : HST w/type II portable monitor, unattended OS999 : HST w/type II portab
Click Select and the Acquisition Type Selection window appears.	Acquisition Type: OK Cancel Se the Acquisition Type then click OK. PHILIPS

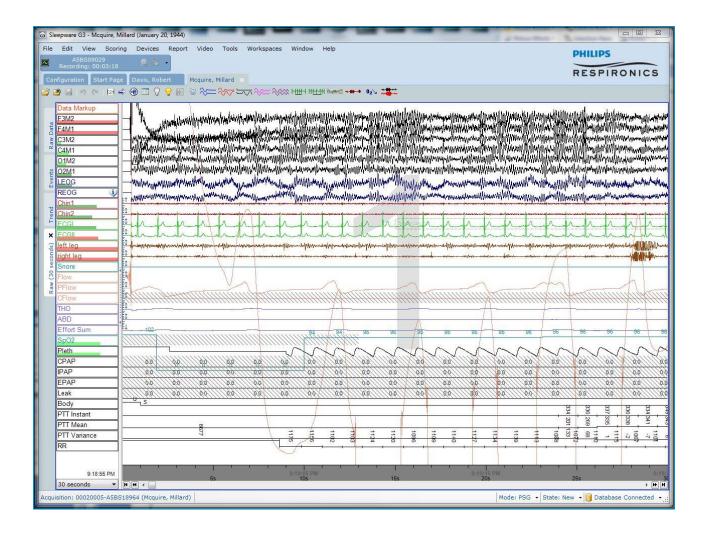
Acquisition Type Selection

N

Start Acquivion		🛛
General Patient Stats		
Patient Information		
Last Name:	test	
First Name:	test	
Middle Name:		
Patient ID:	1234	Photo Not Available
Birth Date:	February 11, 1976 📑 🗸	
Gender:	Male Ø Male	
Acquisition Type:	95810 : Attended Polysomnogra	aphy 4 or more char Select
Order Number:		
Configuration:	LDxS_PSG_AASM	•
Assign To:	None	•
		Start Cancel

You can now click Start to begin acquiring the study.

This window, showing the first epoch, could take <u>up to 20 seconds</u> to appear.





If this error occurs ...



... go connect the headbox and <u>restart the acquisition</u>





Video

To view the video, click on the video icon on the starter bar. This feature is available anytime.

The video <u>recording</u> automatically begins, once the acquisition is started.







Impedance

Select **View > Impedance Values** from the main menu bar. You can display the actual impedance values in the channel label. Note that the values are based on the currently selected time scale.

A red tab on the **Channel Label** indicates a high impedance value, a darker green tab indicates moderate impedances, and a light green tab indicates low impedance. This is shown throughout the recording. Numeric impedance values can be selected at any time during or post acquisition.

Data Markup	5	11
F3M2	499.90 kOhms	Martheon when the second the
F4M1	499.90 kOhms	The second
C3M2	2.75 kOhms	where we we have the second
C4M1	5.65 kOhms	(provery and all a start and a fail the
01M2	3.29 kOhms	
O2M1	5.86 kOhms	
LEOG	6.03 kOhms	- Indiana Sul Manusana Milina
REOG		
Chin1	35.82 kOhms	Winnerholding
Chin2	28.41 kOhms	
ECGI	85.57 kOhms	hhpp
ECGI	68.35 kOhms	minula
left leg	227.84 kOhms	When all with the fill we are a state of the second state of the s
right leg	128.34 kQhms	
Snore		(i)

The configured thresholds define three levels of impedance quality:

Level	Channel Label Color Code	Condition	Meaning
LOW	Light green	Value less than or equal to low threshold	The impedance is considered to be of good quality
MEDIUM	Dark green	Value is between low and high thresholds	The impedance is considered to be of medium quality
HIGH	Red	Value is greater than or equal to threshold	The impedance is considered to be of bad quality





MACHINE CALIBRATIONS

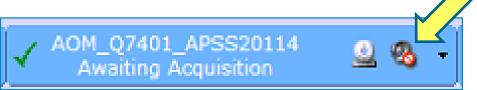
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я	R	
E	CGII	
	EG1	
	EG2	
	/licro	
F	low	
P	PFlow	
C	Flow	
T	но	

To start machine calibrations, click on the device drop-down menu and select Calibration or select the calibration waveform icon from the toolbar. A calibration signal begins to scroll and automatically continues for a maximum of 60 seconds. You can stop the calibration manually at any time. To manually stop it, access the drop-down menu again and select Calibration. Once the device calibration ends, the signals will once again display the patient's waveforms.

Intercom Icon

G3 is equipped with voice over IP (VoIP) intercom capabilities.

This speaker icon is used to enable/disable the intercom and is also used to invoke the intercom 'push to talk' function. When the intercom is disabled, the speaker icon will display a red circle with an X beneath it, as shown below. To enable the intercom, right click on the speaker icon.

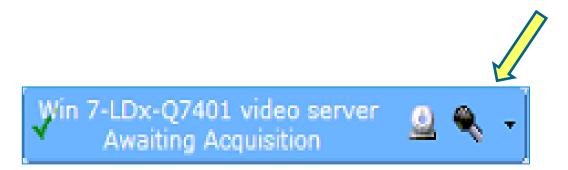


When the intercom is enabled, the red circle/slash is removed, and the speaker icon will show, as pictured below.

A left click on the speaker icon invokes the 'push to talk' function. Continue to **<u>HOLD</u>** the left mouse button when you are talking to keep the microphone engaged. When 'push to talk' is activated, the speaker symbol changes to a microphone. Releasing the left mouse button stops the 'push to talk' function.



Locking the Microphone



It is possible to lock the intercom on the microphone position by left clicking and dragging the mouse cursor off of the microphone. Engaging the microphone is helpful during times where you will speak extensively to the patient, such as during bio-calibrations. Always remember to disengage this feature, as the patient will hear you in the control room and you will not hear them. To disengage the microphone from the lock position, left click on the microphone.

BIO-CALIBRATIONS

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	house the second second	MAN	START PT CALS	Ctrl+Shift+0	
	THE REAL PROPERTY AND	the seal	EYES OPEN	Ctrl+Shift+1	ATTACK AND
Martin Martin Contractor	TTY PANAMANY	(WPT	EYES CLOSED	Ctrl+Shift+2	AN THE REAL OF ANY
M Q <u>C</u> omm			LOOK LEFT AND RIGHT 5X	Ctrl+Shift+4	HANNANALITANA
<u>B</u> ookm			BLINK 5 TIMES	Ctrl+Shift+5	
Predefi	ined Comments	•	COUNT TO 5 AND GRIND TEETH	Ctrl+Shift+6	
Start Fa	ail on LEOG		PARADOXICAL BREATHING	Ctrl+Shift+7	- Anna
Review	All Channel Properties	_	FLEX LEFT FOOT AND RIGHT FOOT	Ctrl+Shift+8	hand
	ew Properties		HOLD BREATH	Ctrl+Shift+B	
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	NAAA		BATHROOM IN	Ctrl+Shift+J	
~~~			PT COUGHING	Ctrl+Shift+K	

To insert comments for patient bio-calibrations:

- 1. Right click on-screen.
- 2. Choose <u>Predefined</u> <u>Comments.</u>
- 3. Select the appropriate action.

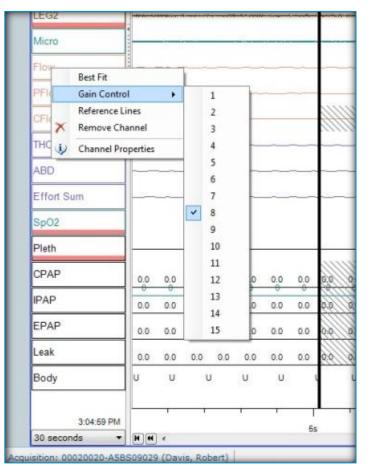
#### Entering a comment manually

A5BS09029 Recording: 00:35:06		s Report Video	roois worksp	aces	window ne	q.							1			
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1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 💮 🗖 🤇	7 💡 🖬 😫 💝=	***	- 2222 1	-IIII-I HETTH 9	em 🗄 🗝 🗰 🗕	022	WK REN	4 N1 N2	NB NS 4	- #	+	*			
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O2M1		,,,		*												
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REOG					*****											
ChinEMG																
ECGI		· .										_				_
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ECGI																
LEG1																
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CFlow																
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EPAP	0 0.0															
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3:02:59 PM 30 seconds •	HHA		бs			105				16s						
uisition: 00020020-A5B	S09029 (Dav	is, Robert)														

Alternatively, you can press the 'space bar' and the User Comment window appears. Type in the comment you wish to enter and select OK.



### **Gain Changes**



#### To Change <u>Gain</u> [CHIN and LEG EMGs, ECGs, FLOW SENSORS (Thermal, Pressure, & CPAP) and RESPIRATORY EFFORT]:

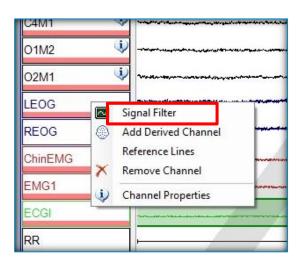
Change the detail of the signal and amplitude during the acquisition by right clicking on the channel label: click on gain control and select a number (1-15).

A mark appears in the raw data indicating the beginning of the gain change. This Gain control change is a **permanent** change to the recording.



A gain change scale icon is shown on the raw view screen to indicate when the change was made and a gain change comment appears on the event list.

*Note: A gain change during an acquisition will result in a permanent change to the amplitude of the channel, meaning the scoring tech and physician reviewing a study post-acquisition can visualize this amplitude change. If the acquiring tech uses the zoom function instead (+ or (-) key) to change the amplitude, this adjustment is only temporary, requiring the scorer and physician to use the zoom function as well. It is recommended to use gain during data collection. The gain on a channel cannot be changed post-acquisition.



<u>To Filter a channel signal</u>: Place the Cursor on the Channel Label (**EEG, EMG, ECG, SNORE/MIC and EOG**), right click, choose **Signal Filter** and type the new frequency in the corresponding text box (High or Low Pass filter).

When **Signal Filter** is **ON** (activated), an "i" or information icon is displayed next to the channel label that is being filtered.



### **Filters**

**Note**: A high pass filter is also known as a low frequency filter (LFF) and a low pass filter is also known as a high frequency filter (HFF). A high-pass filter allows higher frequencies to pass unchanged while attenuating lower frequencies. A low-pass filter allows lower frequencies to pass unchanged while attenuating higher frequencies. Sleepware applies the changes and the window closes. Note that the changes are temporary unless saved to the workspace.

C3M2 Properties				X
Appearance Data Signal Con	tent			
Storage Frequency:	200	Hz		
Native Resolution:	16	bits		
Filtering:	HP:0.3H	z LP:93.6Hz N:50/60Hz		
Filters				
High Pass: .3	Hz (53	0.52 ms)		
V Low Pass: 35	Hz			
QRS Filter				
✓ Notch Filter				
Apply to all channels of this typ	e		OK Cancel	

Filter can be applied to all channels for the same type

Apply to all channels of this type

### Filter for ECG artifact

C4M1		· · · · · · · · · · · · · · · · · · ·
O1M2	6	·····
O2M1	(	Volumer was addressed and a second
LEOG		Signal Filter
REOG		Add Derived Channel
ChinEMG	×	Reference Lines Remove Channel
EMG1		Channel Properties
ECGI		
RR		

To apply the QRS filter to a channel: Place the mouse pointer on the Channel Label in which you'd like to apply the filter, right click, choose **Signal Filter** from the drop-down. Place a check mark in the check box for QRS filter.

🔽 QRS Filter

**Note**: If you are experiencing the appearance of QRSlike waveforms corresponding with the ECG signal on one or more channels, the QRS filter can be applied to alleviate this. The QRS filter can be applied to the EEG, EOG, EMG and/or snore channels. Once the setting is selected and applied by selecting OK, the QRS artifact is filtered from the channel.

C3M2 Properties		D
Appearance Data Signal C	ontent	
Storage Frequency:	200 Hz	
Native Resolution:	16 bits	
Filtering:	HP:0.3Hz LP:93.6Hz N:50/60Hz	
Filters		
High Pass:	.3 Hz (530.52 ms)	
🛛 Low Pass:	25	
🛛 QRS Filter		
🕖 Notch Filter		
Apply to all channels of this	type OK Cancel	

Filter can be applied to all channels fo the same type

Apply to all channels of this type



### **Lights Out**

File	Edit View S	Scoring Devices Report Video Tools Workspaces Wind
	A5BS09029 Recording: 04:29	9:55 🚨 🤏 🔸
Cor	nfiguration   Start	Page Davis, Robert Mcquire, Millard 🗙
6		bal => ⊕ □ <mark> </mark>
	Data Markup	Set Lights Off
ata	F3M2	when the short of the second
Raw Data	F4M1	wanter her and a second s
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its	C4M1	- montantimeter and and an and a second and the sec
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-	REOG	1 Marshall With
×	11200	www.warmanananananananananananananananananana

To set **Lights Off** within the study, select the white light bulb icon. It is necessary to use this icon so that Lights Out is stamped to the study. This stamped lights out time will be used as the Lights Out time on the report. Also, if you are scoring on-thefly or using Somnolyzer scoring, this time stamp will allow for sleep time and event indices to be calculated from this time as it should.

You can also enter a tech comment for Lights Out so that this is marked on the raw view screen where lights out occurred during review.

	Edit View	Scoring	Devices	Re	
2	Open	Ctrl	+0	+	
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			City: State		

### **Acquisition Properties**

Additional acquisition information regarding the patient can be entered during or post-acquisition

Last Name:	Mcquire		
		Select	
First Name:	Millard		
Middle Name:			
Patient ID:	J1638742		
Birth Date:	January 20, 1944		
Gender:	Male Female		
Contact Info Address:		Phone 1:	
City:		Fax:	
State:			
Zip Code:			
Email:			

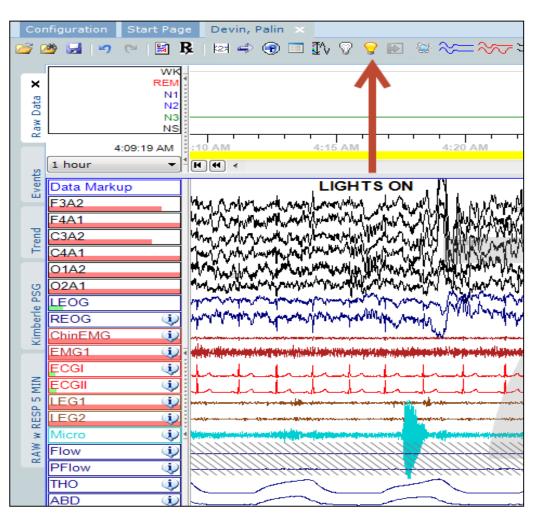
### Titration

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	ChinEl	10						

To initiate PAP therapy, click the drop-down arrow located on the **right** side of the **Starter Bar** and select the **Therapy Device Control** option. This opens the **Omni Direct** screen where you can manage modes/pressures etc.

File Ed	it Vie	ew Scoring	Devices	Report	t Video	Tools	Workspaces	Window
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### **Lights On**



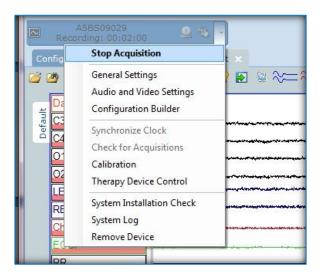
To set **Lights On** within the study, select the yellow light bulb icon. It is necessary to use this icon so that Lights On is stamped to the study. This stamped lights on time will be used as the Lights On time on the report. Also, if you are scoring on-thefly or using Somnolyzer scoring, this time stamp will allow for sleep time and event indices to be calculated from lights off to lights on.

You can also enter a tech comment for Lights On so that this is marked on the raw view screen where lights out occurred during review.

DHIIDS

### **Stop Acquisition**





Alice 5/Alice 6/Alice LE base stations hold the master copy of the data until the integration is successfully completed at the end of the acquisition. To **Stop** the acquisition, you can click on the red stop sign on the starter bar or click the dropdown triangle located on the **right** side of the **Starter Bar** and select **Stop Acquisition** from the list and click on **YES** to confirm that you want to stop the acquisition. The **Acquisition Integration** screen appears.

Edit View	Scoring Devices Report Video Tools Wo	orkspaces Window	Help			and the set of the set
A5BS091	029					PHILIPS
Awaiting Acc	quisition					RESPIRONICS
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🛎 🖬 🖻 ୯	M					
Recently Open	ed Acquisitions		My Acquisitions			
Name	Reports Acquisition ID	Date	Name	Reports	Acquisition ID	Date
	Acquisition Integration					
	Removing files from device					
	Removing files from device					
	Operation	Status	Details			<u>*</u>
	Theoprating Acquisition 00020017-A5B509029 Retrivering data files from device Converting data files to EDF format Analyzing acquisition to database Writing updated .rml file Removing files from device Integrating Acquisition 00020018-A5B509029 Retrivering data files to EDF format Updating data files to EDF format Updating data in .rml file Copying video files	Completed Completed Completed Skipped Completed Completed In Progress Completed Completed Completed Skipped	Patient associated with acquisition has no database ID. Database			abase E
	Acquisition integration in progress					Close

# Thank you!



Note: Screenshots are from the Sleepware G3 software and may differ from your version of Sleepware. Disclaimer: Screenshots may change based on software version.

 $\mathbf{J}$  Consult Sleepware G3's online help for additional information.

1104387 R03 RPM 01/05/2017

# Sleepware G3 Training Module

Installing an SQL Server Database

#### Installing an SQL Server Database on Computers without an Existing Database

Sleepware G3 utilizes the Microsoft SQL Server Express 2008 database. The installer utility for the database is provided on the Sleepware G3 software DVD. This installer utility will prompt the user to install the SQL Server Express 2008 automatically if there is not an existing database already on the computer (such as EncorePro). Once installed, the Sleepware G3 database instance default name will be: SQLEXPRESS_SW3.

The database should be installed on a workstation or server that can be accessed by other workstations running Sleepware G3. Before installation, ensure that the workstation meets the Sleepware G3 System Requirements included on the DVD case.

- 1. Place the Sleepware G3 software DVD into the DVD drive of the computer. The disc will be detected and automatically open to the Sleepware G3 splash screen as shown below.
  - Steepware G3
     PHILIPS
     RESPIRONICS
     Sleepware G3
     Install Sleepware G3
     Install Database
     Upgrade Database
     View"Getting Started" Guide
- 2. Select Install Database.

**Select Install Database** 

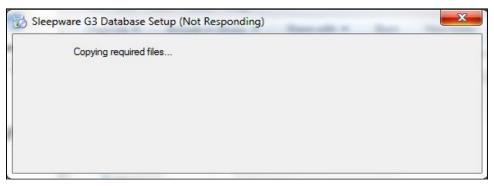


3. Read the Microsoft Software License Terms Agreement, and select **Accept** to continue the installation.



Accept the License Agreement to Continue

4. The Sleepware G3 Database Setup window will appear and display, "Copying required files..." SQL SERVER 2008 R2 Express will now begin installing.



**Sleepware G3 Database Setup Window** 

Note: It is common to see a "(Not Responding)" message during this step as shown above. This is normal.

5. The installation of SQL Server 2008 R2 Express Edition typically takes 10 to 15 minutes. A status bar will appear to show the installation progress.

🔂 Sleepw	vare G3 Database Setup
6	Installing SQL Server 2008 Express Edition
	Cancel

**Installation Status Bar** 

6. Once the SQL SERVER 2008 R2 Express has finished installing, the "Welcome to the Sleepware G3 Database Setup Wizard" window will appear. Click **Next** to install the SQLEXPRESS_SW3 database.

🛃 Sleepware G3 Database
Welcome to the Sleepware G3 Database Setup Wizard
The installer will guide you through the steps required to install Sleepware G3 Database on your computer.
WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.
Cancel < Back Next >

Click Next to Continue the Installation

7. The installation will run, and then display the SQL instance name as: SQLEXPRESS_SW3. The Database Name will display as: SleepwareG3. <u>Do not make any changes to the database name</u>. Click **OK**.

	😸 Sleepw	vare G3 Database	
-	Instal	ling Sleepware G3 I	Database
	Sleepwar	e G3 Database is being installed.	
l	Please	Installation Options	<u></u>
1		Instance Name:	SQLEXPRESS_SW3
		Database Name:	SleepwareG3
			ОК
			Cancel < Back Next >

**Click OK to Continue the Installation** 

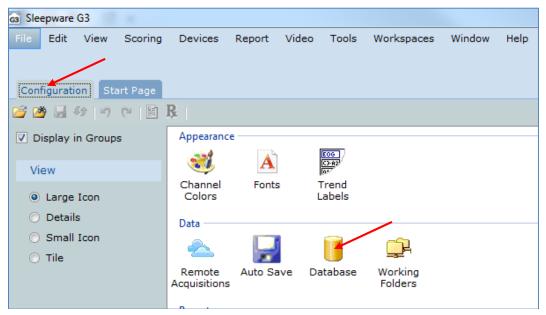
8. The Sleepware G3 database will continue to install. Once it is complete, you will receive an "Installation Complete" message. You have now successfully installed SQL Server Express and G3 database. Click **Close**.

Bleepware G3 Database	×
Installation Complete	3
Sleepware G3 Database has been successfully installed. Click "Close" to exit.	
Please use Windows Update to check for any critical updates to the .NET Framework.	
Cancel < Back Close	

**Click Close When Installation is Complete** 

9. Now that the database is installed, we will enter the database name in Sleepware G3 to enable connectivity. Double click the Sleepware G3 icon on the desktop to open Sleepware G3.

10. Once Sleepware G3 is open, go to the Configuration tab, and double click on **Database**.



**Double Click the Database Icon in Sleepware G3** 

11. Uncheck the Work Offline box. In step 12, we will show how to find the database name.

Database Options	×
General Connection Options	
Connect to Remote Database	
Database Options	
General Connection Options	
Connect to Remote Database	
Local Connection Options	
Database Server Name:	(LOCAL)\SQLEXPRESS_SW3
Database <u>N</u> ame:	SleepwareG3
Connection <u>T</u> imeout:	3 seconds

**Uncheck the Work Offline Box** 

12. The steps below will walk through how to connect to the database if it has been installed on an individual workstation running Sleepware G3 or on a networked workstation or server.

**Option 1:** Database installed on a single Sleepware G3 workstation (for users who are <u>NOT</u> sharing a database across multiple machines).

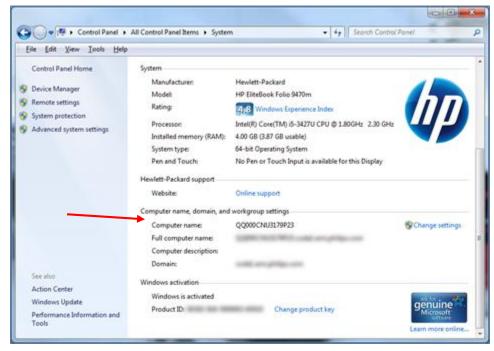
You can fill in the Database server field name to match the name below in Database Server Name.

Database Options		
General Connection Options		
Work Offline		
Connect to Remote Database		
Local Connection Options		
<u>D</u> atabase Server Name: Database <u>N</u> ame:	(LOCAL)\SQLEXPRESS_SW3	
Connection <u>T</u> imeout:	3 seconds	

For a Single Workstation, Fill in the Database Name to Match the Database Server Name

**Option 2:** For individual users who <u>ARE</u> sharing a database across multiple machines, you will need to perform a few additional steps to find the 'shared' database name and enter it into Sleepware G3.

a. To do so, click **Start > All Programs > Control Panel > System**. Find and make a note of the Computer Name. You will need this in the next steps.



Note the Computer Name

Installing an SQL Server Database

- b. Next, you will need to open SQL Server Management Studios on the database computer. To do so, click Start > All Programs > Microsoft SQL server 2008 R2.
- c. Click on "Microsoft SQL server 2008 R2" to expand the field, then click on **SQL Server Management Studios**.

🌗 Microsoft Silverlight	
🌗 Microsoft SQL Server 2008	
🌗 Microsoft SQL Server 2008 R2	_
🔄 Import and Export Data (32-bit)	=
🔄 Import and Export Data (64-bit)	
🗌 SQL Server Business Intelligence Dev	
🗏 SQL Server Management Studio	+
Configuration Tools	
퉬 Integration Services	
Microsoft System Center 2012 R2	
퉬 Microsoft Visual Studio 2008	
📔 Philips Community	Ŧ
4 Back	
	1
Search programs and files	

Select SQL Server Management Studio from the All Programs Menu

d. Once SQL Server Management Studios has launched, you will need to locate the PC and SQL instance for the installed database from a dropdown list. To do so, click the drop down arrow for the "Server name" field, and select **Browse for more.** 

Connect to Server					
SQL Server 2008 R2					
Server type:	Database Engine 💌				
Server name:	<b></b>				
<u>Authentication:</u>	(local)				
<u>U</u> ser name:	<browse for="" more=""></browse>				
Password:					
	Remember password				
	t Cancel Help Options >>				

Select Browse for More in the Server Name Field Dropdown Menu

Installing an SQL Server Database

e. The "Browse for Servers" window will open. Click on the Network Servers tab, and locate your computer name\SQLEXPRESS_SW3 in the list. Once you have located this, highlight it in the list, and click **OK**.

Browse for Servers
Local Servers Network Servers
$S\underline{e}lect \mbox{ a SQL Server instance in the network for your connection:}$
Database Engine     DIAGLABWIN7\SQLEXPRESS_SW3 (10.50)     LABWIN8\SQLEXPRESS_SW3 (10.50)     QQ0005CG43830TV\ENCOREPRO2 (10.0)     QQ0005CG43830TV\ENCOREPRO212 (10.0)     QQ0005CG43830TV\SQLEXPRESS_SW3 (1)     QQ000CND12562LH     QQ000CND12562LH     QQ000CNU20338PB     QU00CNU20338PB     QU00CNU20338PB     QU00CNU20338PB     QU00CNU20338PB     QU00CNU20338PB     QU00CNU20338PB     QU00CNU2038PB     QU00CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CNU200CN
QQ000CNU3179P23\SQLEXPRESS_SW3 (1 QQ000CNU3239R5F\SQLEXPRESS_SW3 (1 QQ000CNU350DR1K\SQLEXPRESS_SW3 (1 QQ000CNU350DR1K\SQLEXPRESS_SW3 (1 UIII ) OK Cancel Help

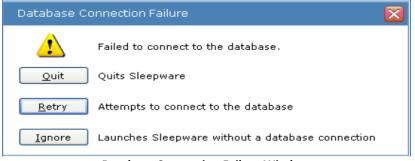
Select your Computer name\SQLEXPRESS_SW3 from the List

f. Copy the entire highlighted area in the server name box, this will be the information you will enter in the database section of Sleepware G3.

Connect to Server					
SQL Server 2008 R2					
Server type:	Database Engine				
Server name:	QQ000CNU3179P23\SQLEXPRESS_SW3				
<u>Authentication:</u>	Windows Authentication 🔹				
<u>U</u> ser name:					
Password:					
	Remember password				
	t Cancel Help Options >>				

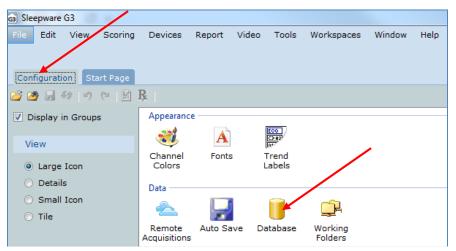
Copy the Name in the Server Name Box

13. If you have closed Sleepware G3, double click the Sleepware G3 icon on the desktop to launch the software. Since "Work Offline" was unchecked, you will see the following "Database Connection Failure" message. This is normal. Click **Ignore** to launch Sleepware G3.



**Database Connection Failure Window** 

14. Go to the Configuration tab, and double click on **Database**.



Double Click the Database Icon in Sleepware G3

15. Paste the information you had copied from **Step 11 f** from the Microsoft SQL Management Studios Connection window into the Database server name location, and click **OK**.

Database Options		
General Connection Options		
Work Offline		
Connect to Remote Database		
Local Connection Options		
Database Server Name:	QQ000CNU3179P23\SQLEXPRESS_SW3	]
Database <u>N</u> ame:	SleepwareG3	
Connection <u>T</u> imeout:	3 seconds	

Paste the Database Server Name Copied from the SQL Connection Window into the Database Server Name Field in Sleepware G3

Installing an SQL Server Database



16. Your database should now be connected. The status bar in the bottom right corner of the configuration page will display the <u>database connection</u> status.



You can now enter the same database information on all other workstations that will share this database.



Consult the Sleepware G3 Online Help for additional information.

1122714 R00 JDW 06/18/2015

# Sleepware Training Module

### **Combining Acquisitions**

June 24, 2016



### **Table of Contents**

Combining Acquisitions	1
Tips:	3
Sleepware 2.x	4
Tips	6

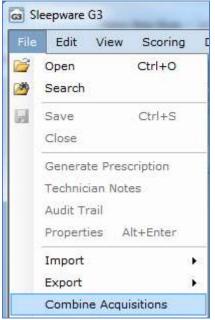
#### **Combining Acquisitions**

To combine a sleep study using Sleepware G3, both portions must be visible on the Start Page in the "Recently Opened Acquisitions" section. If both portions of the study do not appear on this list, you must open and then close the acquisitions. (In the example below, the acquisition numbers are 00010029 and 00010028).

1. Once they appear place the mouse pointer over the patient name so the location of this sleep study is displayed. Make a note of the pathway displayed. In the example below the location is C:\Acquisitions\00010029-A5BS00006\00010029-A5BS00006.rml

3					S	leepv
File	Edit V	/iew Scori	ng Devices	Report	Video	Tool
8		e PDx signal	- 1	WINDOWS Awaiting	8-LDx-Ax 1 Acquisit	
Con	figuration	Start Pag	e			
20	9 🗐 89	1-7 (* )	R			
Re	cently O	pened Acqu	uisitions			
Na	ar C:\Acqu	isitions\0001	0029-A5BS0000	6\00010029-	A5BS0000	6.rml
te	st, test		00010029	-A5BS000.	. 3/31/2	014
	st Sm)st		00040000	-A5BS000.	- / - + / -	~ • •

2. From the File menu, select Combine Acquisitions:



Page 1

The Combine Acquisitions dialog box appears.

Combine Acquisitions		×
<u>F</u> irst Acquisition RML File: <u>S</u> econd Acquisition RML File:	Sector 2013	Browse Browse
	ОК	Cancel

- 3. Select Browse then navigate to the first acquisition's .RML file, as .noted in the previous step.
- 4. Click on the .rml file. It will appear in the File name selection below.

G			Open		×
Look in:	)) 00010028-A58	3500006	~	G 🤌 🖡	▼
Recent places	Name 00010028-A5	ABS00006-Video BS00006.rml		Date mo 3/31/201 2/3/2015	Patient: Name: test, test Birth Date: 8/7/1973 Gender: Male Patient Type: Adult
Desktop					Study: Date: 3/31/2014 11:15:55 AM Duration: 01:22:08 State: New
Libraries					Assigned to: None Video: Yes
This PC					
Network	<	_		>	
	File name:	00010028-A5BS00	0006.ml		✓ Open
	Files of type:	Studies (*.RML)			✓ Cancel

5. Click on Open.

The file name will appear in First Acquisition RML file box, as shown below.

irst Acquisition RML File:	00010028-A5BS00006.ml	8	Browse
Second Acquisition RML File:		8	Browse

- 6. Click on Browse to find the second acquisition RML file in the same way.
- 7. Select the RML file.

G			Open			×
Look in:	00010029-A5	BS00006	~	G 🤌 🛛	"	
Recent places		BS00006-Video		Date mo 3/31/201	Patient: Name:test,test Birth Date: 8/7/1973	
Desktop	@ 00010029-A5	BS00006.rml		2/3/2015	Gender: Male Patient Type: Adult Study: Date: 3/31/2014 12:52:01 P Duration: 00:00:28	м
Libraries					State: New Assigned to: None Video: Yes	
This PC						
	<			>		
Network	File name:	00010029-A5BS	00006.ml		~	Open
	Files of type:	Studies (*.RML)			*	Cancel

#### 8. Click on Open.

rst Acquisition RML File:	00010028-A5BS00006 ml	8	Browse
econd Acquisition RML File:	00010029-A5BS00006.ml	8	Browse

9. Now that both files appear, select OK to combine.

Tips:

- The staging will be lost for the second part, but all other scoring, comments, and video are retained.
- Both parts must have been ran with the same configuration to be combined. Note, an issue exists in version 3.4 and earlier where an error message was displayed. This error message states the acquisitions do not have the same configuration even though they were ran with the same montage. This issue was fixed in version 3.5 and later.
- More than two acquisitions can be combined, but they must be done two at a time.



#### Sleepware 2.x

1. From the Main Menu, select File Utilities.

$\simeq$	<u>V</u> iew and Validate
C.	Historical Patient List
۲	<u>B</u> ackup
	On-ļine View
Ľ	<u>R</u> eport
_	<u>S</u> ettings
	Echo Screens
	<u>F</u> ile Utilities
X	Exit Application



The studies in which you would like to combine will be listed here.

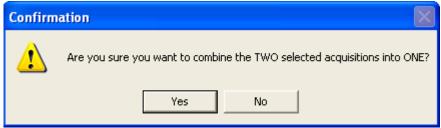
- 2. Highlight both of them by clicking on the first portion.
- 3. Hold down the Ctrl button (on the keyboard) and click on the second study listed, so both portions are highlighted.

🔍 Alice File Utilit	ties			
Source				
Data location	AliceData	• •	Alice 4 pc card	
C Drive or folder				🖄 <u>B</u> rowse
Sead / Refree	sh list Re <u>b</u> uild list	<u>F</u> ind	Selection size: 4 MB	
Last Name	First Name	Gender	Birth Date 🛛 Machine 🔺	Acq Nb 🛛 🖊 📥
test	test	М	11/6/1974 A5BS04837	2094 -
test	test	М	11/6/1974 A5BS04837	2095 -
test	test	M	11/6/1974 A5BS04837	2096
test	test	M	11/6/1974 A5BS04837	2097
test	test	M	11/6/1974 A5BS04837	2098 1
alice	5 Babba	М	11/6/1974 A5BS04837	2100
Monroe	Bobby	M	1/1/1955 A5BS04837 1/1/1955 A5BS04837	2101 2102 42 44 47
Monroe	Bobby	M F	10/10/1 A5BS06878	42 -
new	test test	F	10/10/1 A5BS06878	42 - 44 -
new	test	F	10/10/1 A5BS06878	44
new	test	F	10/10/2 A5BS06878	58
		F	10/10/2 ADD300070	. <u> </u>
<				>
Target     Data location	AliceData	▼ Free sp	ace available: 37928 MB	
O Drive or folder				🖄 Bro <u>w</u> se
🎯 Copy		× <u>D</u> elete	🖄 C <u>o</u> mbine	<u>C</u> lose
Make Anonymous	s on copy			
Progress / Status — Processing:		Status	:	

4. Click on Combine.



A Confirmation dialog box will appear asking "Are you sure you want to combine the TWO selected acquisitions into one?"



#### 5. Click on Yes.

The studies will now be successfully combined.

Tips

- All scoring, staging, comments, video, and audio will be lost for the entire study.
- More than two acquisitions can be combined, but they must be done two at a time.
- Both portions of the study MUST have been recorded using the same configuration in order to be combined.



Consult Sleepware's online help for additional information.

1129854 R00 RPM 06/24/2016

# Sleepware G3

# How to use Physician list tool.





PHILIPS

# What is Physician List?

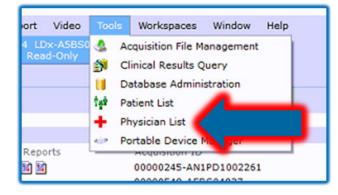
• The Physician List window allows you to search for, view, add, modify, and delete physicians in the database. If the database is not available and you are working offline, this search is disabled. The physician information is used for both referring and interpreting physicians.

Physician List			X
Last <u>N</u> ame:			Q <u>S</u> earch
<u>L</u> icense Numbe	er:		
Last Name	First Name License Nu	m Phone	
Casey	Dr. Ben		
Cooper	Dr. Sheldon		
Doom	Dr.		
Hibberd	Dr. Julius		
J	Dr.		
McCoy			
McIntyre	Trapper John		
Melfi	Dr Jennifer		
Pierce			
Ramoray			
Rivera			
Ross			
Seuss	511		
Teeth	Dr.		
•	III		4
Add	Modify Delete		Close
14 physicians			



# **Physician List**

• To access the Physician List, select **Tools > Physician List** from the main menu bar.



Physician List					×
Last <u>N</u> ame:				Q	Search
<u>L</u> icense Numbe	er:				
Last Name	First Name	License Num	Phone		
Casey	Dr. Ben				
Cooper	Dr. Sheldon				
Doom	Dr.				
Hibberd	Dr. Julius				
J	Dr.				
McCoy	Dr. Leonard				
	Trapper John				
Melfi	Dr Jennifer				
Pierce	Dr. Hawkeye				
Ramoray	Dr. Drake				
Rivera	Dr. Nick				
Ross	Dr. Doug				
Seuss	Dr.				
Teeth	Dr.				
•		III			F.
Add	<u>M</u> odify	<u>D</u> elete			<u>C</u> lose
14 physicians					

### **PHILIPS**

# **Search for an Existing Physician**

- Enter a full or partial name in the Last Name box.
   Note: You can also use a wildcard character ("*") to represent any number of characters within the name. Some examples for the name "Johnson" include "Jo*n", "Jo*", and "*son".
- Click the **Search** button to execute the search.
- All physicians matching the search criteria are displayed.

Physician List			
Last <u>N</u> ame:	Jo*		<u>S</u> earch
License Number:			
Last Name / First Name	License Num	Phone	
Jones Dr. Henry "Indiana"			
•			۰.
Add Modify D	elete		Close
1 physicians			



### Add a New Physician

- Click the Add button.
   The Physician Information window opens.
- Using the Contact Info and Details tabs, enter physician information in the spaces provided.
- Click **OK** to save the physician information and close the window.

RUSS	Dr. Doug
Seuss	Dr.
Teeth	Dr.
-	
Add	Modify Delete
15 physicians	

Physician Information	×
Contact Info Details	
Name	
Last Name:	8
First Name:	8
Middle Name:	
Contact Info	
Address:	Phone 1:
	Phone 2:
City:	Fax:
State:	
Zip Code:	
Email:	
	OK Cancel



# **Modify an Existing Physician's Information**

- (Optional) Perform a search to locate the physician.
- Select the physician and click the **Modify** button. The Physician Information window opens.

Physician List					X			
Last Name:				0	Search			
License Number:								
Last Name 1	First Name	License Num	Phone		<b>A</b>			
Casey	Dr. Ben							
Cooper	Dr. Sheldon							
Doom	Dr.							
Grey	Dr. Meredith		(206) 555-6000					
Hibberd	Dr. Julius							
J	Dr.		=					
Jones	Dr. Henry "Indiana"							
McCoy	Dr. Leonard							
McIntyre	Trapper John							
Melfi	Dr Jennifer							
Pierce	Dr. Hawkeye							
	Dr. Drake							
Rivera	Dr. Nick							
Ross	Dr. Doug							
Seuss	Dr.							
•					P			
Add	Modify				Close			
L								
17 physicians								
17 physicians								



# **Modify an Existing Physician's Information**

- Using the Contact Info and Details tabs, edit the physician information shown as needed and click **OK**.
- The changes are saved and the window is closed.

Physician Information	Physician Information	$\overline{\mathbf{X}}$
Contact Info Details	Contact Info Details	
Name	Specialty: Insomnia	
Last Name: Casey	Hospital: County General Hospital	
First Name: Dr. Ben	Group:	
Middle Name:	License Number: 8675309	
Contact Info	Referring Physician	
Address: 9336 W. Washington Blvd Phone 1:	Interpreting Physician	
Phone 2:		
City: Culver City Fax:		
State: CA		
Zip Code: 90066		
Email:		
ОК	Cancel	OK Cancel
		.::



# **Delete an Existing Physician**

- (Optional) Perform a search to locate the physician to be deleted.
- Select the physician to delete and click the **Delete** button. To select multiple physicians, press **Ctrl** and click on each physician row as needed, then click on **Delete**. A confirmation prompt is displayed.
- Click **Yes** to continue. The physician is removed from the database.
- To delete a Physician, all patient studies assigned to the physician must be cleared or reassigned to another physician.

Physician List			
Last Name:	Melfi	Search	
License Number:			
Last Name / First Name	License Num Phone		
Melfi Dr Jennifer			Sleepware G3
			Are you sure you want to delete the selected physician(s)?
			Yes No
4		Þ	
Add Modify	Delete	Close	
1 physicians			



# Thank You



The screenshots are from the Sleepware G3 software and may differ from your version of Sleepware.



Consult Sleepware G3's online help for additional information.

1136504 R00 RPM 12/14/2017

# Sleepware G3

# How to use Patient list tool.







# What is the Patient List?

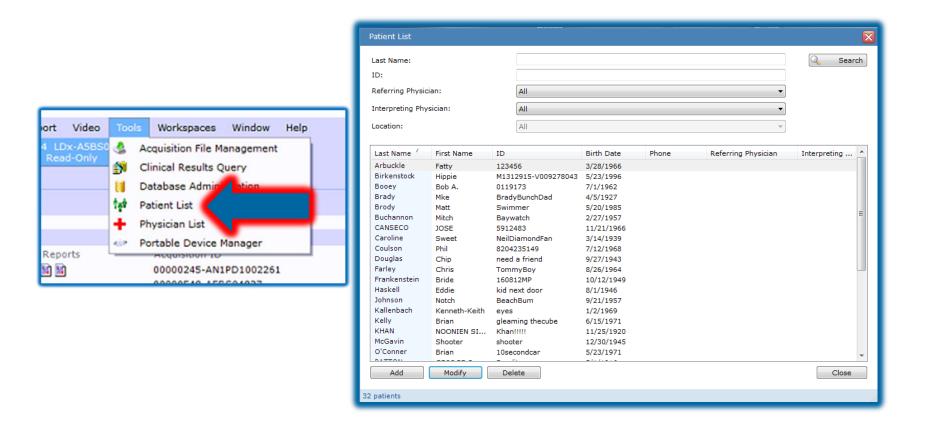
• The Patient List window allows you to search for, view, add, modify, and delete patients in the database. If the database is not available and you are working offline, this search is disabled.

Patient List						×	
Last Name:						Search	
ID:							
Referring Physic	ian:	All	JI 🗸				
Interpreting Phys	sician:	All	All				
Location:		All			-		
Last Name /	First Name	ID	Birth Date	Phone	Referring Physician	Interpreting 🔺	
				Phone	Referring Physician	Interpreting	
Arbuckle Birkenstock	Fatty	123456	3/28/1966				
	Hippie	M1312915-V009278043	5/23/1996				
Booey	Bob A.	0119173	7/1/1962				
Brady	Mke	BradyBunchDad	4/5/1927				
Brody	Matt	Swimmer	5/20/1985			=	
Buchannon	Mitch	Baywatch	2/27/1957				
CANSECO	JOSE	5912483	11/21/1966				
Caroline	Sweet	NeilDiamondFan	3/14/1939				
Coulson	Phil	8204235149	7/12/1968				
Douglas	Chip	need a friend	9/27/1943				
Farley	Chris	TommyBoy	8/26/1964				
Frankenstein	Bride	160812MP	10/12/1949				
Haskell	Eddie	kid next door	8/1/1946				
Johnson	Notch	BeachBum	9/21/1957				
Kallenbach	Kenneth-Keith	eyes	1/2/1969				
Kelly	Brian	gleaming thecube	6/15/1971				
KHAN	NOONIEN SI	Khan!!!!!	11/25/1920				
McGavin	Shooter	shooter	12/30/1945				
O'Conner	Brian	10secondcar	5/23/1971			-	
Add	Modify	Delete				Close	
32 patients							



# Patient List

• To access the Patient List, select **Tools > Patient List** from the main menu bar.





### **Search for an Existing Patient**

- Enter a full or partial name in the Last Name box. You can also include the ID and physician fields. *Note: You can also use a wildcard character ("*") to represent any number of characters within the name. Some examples for the name "Johnson" include "Jo*n", "Jo*", and "*son".
- Click the **Search** button to execute the search.
- All patients matching the search criteria are displayed.

Patient List							×
Last Name: ID:			Jo*n b*	🔍 Search			
Referring Physician:			All				
Interpreting Phy	sician:	[	All			•	
Location:		[	All			▼	
Last Name	First Name	ID		Birth Date	Phone	Referring Physician	Interpreting
Johnson	Notch	Beach	Bum	9/21/1957			
Add	Modify	Dele	te				Close
1 patients							

# Add a New Patient

- Click the Add button. The Patient Information window opens.
- Using the Patient, Patient Stats, Medications, Referring Physician, and Interpreting Physician tabs, enter patient information in the spaces provided.
- Information boxes with marked with an "X" are required fields.
- Click **OK** to save the patient information and close the window.

atient Info		
Patient Patient Stats	Medications Referring Phy	vsician Interpreting Physician General
Patient Informatio	n	
Last Name:		8
First Name:		<b>8</b>
Middle Name:		
Patient ID:		Photo Not Available
Birth Date:	September 21, 1977	
Gender:	🖲 Male 🛛 🔘 Fe	emale
Contact Info		
Address:		Phone 1:
		Phone 2:
City:		Fax:
State:		
Zip Code:		

# **Modify an Existing Patient's Information**

- Perform a search to locate the patient.
- Select the patient and click the **Modify** button. The Patient information window opens.

Patient List  $\times$ Last Name: Search ID: Referring Physician: All Interpreting Physician: All Location: All Last Name First Name ID Birth Date Phone Referring Physician Interpreting ... Arbuckle 123456 3/28/1966 Fatty Birkenstock Hippie M1312915-V009278043 5/23/1996 Booey Bob A. 0119173 7/1/1962 Mke BradyBunchDad Brody Matt Swimmer 5/20/1985 Buchannon Mitch Baywatch 2/27/1957 CANSECO JOSE 5912483 11/21/1966 Caroline NeilDiamondFan 3/14/1939 Sweet Coulson Phil 8204235149 7/12/1968 Douglas need a friend 9/27/1943 Chip Farley Chris TommyBoy 8/26/1964 Frankenstein Bride 160812MP 10/12/1949 Haskell Eddie kid next door 8/1/1946 Johnson Notch BeachBum 9/21/1957 Kallenbach Kenneth-Keith eyes 1/2/1969 Kelly Brian gleaming thecube 6/15/1971 KHAN NOONIEN SI ... Khan!!!!! 11/25/1920 McGavin Shooter shooter 12/30/1945 O'Conner Brian 10secondcar 5/23/1971 ...... Modify Close Add Delete 32 patients



# **Modify an Existing Patient's Information**

- Using the Patient, Patient Stats, Medications, Referring Physician, and Interpreting Physician tabs, edit the patient information needed.
- Click **OK** to save patient information and close the window.

	Patient Iı	nfo						X	
<	Patient	Patient Stats	Medications	Referring Physician	Interpreting	) Physician	General	>	
	Patie	ent informatio	n.						
	Last	Name:	Brady		and the second				
	First	Name:	Mke	Mke					
	Midd	le Name:							
	Patie	ent ID:	BradyBu	inchDad		Patient Ph	oto		
	Birth	Date:	April	05, 1927 📃	<b>•</b>				
	Geno	der:	Male	🔘 Female					
	Cont	tact Info							
	Addr	ress:	11222 D	illing Street	Phone 1:				
					Phone 2:				
	City	:	North Ho	ollywood	Fax:				
	State	e:	CA						
	Zip (	Code:	91602						
	Ema	il:							
	Upda	te Photo				OK	Can	cel	

### **PHILIPS**

### **Delete an Existing Patient**

- Perform a search to locate the patient to be deleted.
- Select the patient to delete and click the **Delete** button. To select multiple patients, press **Ctrl** and click on each patient row as needed, then click on **Delete**. A confirmation prompt is displayed.
- Click Yes to continue.
- The patient database (DB) entry is removed from the database.
- Note: You cannot delete a patient if there is an acquisition for that patient in the database.

Patient List		-		-						×
Last Name: ID: Referring Physici Interpreting Phys Location:			All All All						•	C Search
Last Name 7	First Name	ID			Birth Date	Phone	Pa	ferring Physic	ian	Interpreting
test test Test	test test aate Cpap	test test12 erwt7 78945			7/25/1977 8/23/1977 9/28/1972 9/18/1972					
Add	Modify	Dele	ete							Close
4 patients										

Sleepwa	are G3	
?	Are you sure you want to delete the selected patient(s)?	
	Yes No	



### Deleting a Patient...

	Patient List	N								$\overline{\mathbf{X}}$
	Last Name:	3		test					Q	Search
	ID:									
	Referring Physici	an:		All				~		
	Interpreting Physician:			All						
				All				~		
	Last Name	First Name	ID		Birth Date	Phone	Referring Physician	Interpr	eting Phys	sician
	TEST	TEST	12345	56	6/17/1975					
	TEST	CAUSEWEW	XXXX	XXXXXXXXXX	10/26/1975					
	TEST	TRILOGY	04222	2012	4/21/1976					
	TEST	DREAMSTATI	PRES	SURE P	11/7/1976		Click on pati	ient to	0	
	Test	LoFlo	12345	5	8/19/1975		be deleted			
	test	Test1	erwt7		9/28/1972					
	test	test	21324		2/20/1975					
	test	press test pu	12345	5466	4/6/1975					
	test	test	test		8/10/1975					
	test	auto cpap	123		10/23/1975					
	test	calibration	05182		5/18/1976					
	test	test00	test00	)	1/1/1970					
	test	cpap	×		12/12/1976					
	test	combine	99999		4/21/1977		Click Delete and then			
	test	edf	ranbrg	anjmghm	1/1/1970		click yes to continue			
							CHER YES TO CONTINUE			
				. 4						
	Add	Modify	Dele	ete						Close
15	5 patients									



# Thank You



The screenshots are from the Sleepware G3 software and may differ from your version of Sleepware.



**I** Consult Sleepware G3's online help for additional information.

1136505 R00 RPM 12/14/2017

# Sleepware G3

## Using Acquisition File Management





PHILIPS

### **Objectives of this Webinar** Acquisition File Management for Sleep Study Data

- Use the Working Folder icon to create user-specified locations that will be used as the Source and Target folders when moving sleep study data in Acquisition File Management.
- Use Acquisition File Management to search for a study.
- Use Acquisition File Management to copy, move, delete or archive studies.
- Use Acquisition File Management to delete video files from studies.

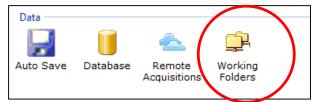


### What is Acquisition File Management?

The Acquisition File Management window allows you to search, copy, move, or archive existing acquisition files to user-specified locations. The source folder for this operation must be a Sleepware G3 'working folder'.

Last Name:					From (	Date:	January	01, 1980		]	Sear
Acquisition St	ate: All				<ul> <li>To Dat</li> </ul>		April	20, 2017		]-	
					10 Dat	e:	7.97.0	20, 201,	6	2	
Assigned To:	All				▼						
Working Folde	c:\Ac	quisitions			•						
Acq Num /	Device	Last Name	First Name	Birth Date	Patient ID	Acq Date	Duration	State	Assigned To	Interpreting Phys.	Ref
00000031	AN1PD1005	Kallenbach	Kenneth-Keith	1/2/1969	smokeeyes	9/15/2016	4:30:05	New	None		
00000179	APDx16207	Haskell	Eddie	8/1/1946	deviant	6/6/2016	11:11:24	New	pete		
00000181	APDx19221	Farley	Chris	8/26/1964	8071121	12/6/2016	7:41:41	Completed	pete		
00000373	APDx18401	McGavin	Shooter	12/30/1945	shooter	10/10/2016	12:00:00	New	None		
00000377	APDx14505	Frankenstein	Bride	10/12/1949	160812MP	8/13/2016	12:00:00	New	None		
00000574	101057	Kelly	Brian	6/15/1971	gleaming the	9/10/2016	6:33:48	Scored	None	Kevorkian	Kev
00000865	APDx15624	Brady	Mke	4/5/1927	BradyBunch	4/4/2017	6:54:41	New	None		
00100591	101055	Quinn	Mighty	10/12/1942	Manfredmann	9/19/2016	8:00:10	Scored	None	Bonestorm	Teeth
00101143	A5BS11632	Booey	Bob A.	7/1/1962	0119173	1/28/2017	8:16:39	Completed	None		
	itions: 0				Selecti	on size: 0.0 M	В			All 🖉	Nor
	itions: O				Selecti	on size: 0.0 Ml	В			🖌 Ali 🕼	Nor
lected acquis Operation		Q0002UA4131SRF	\Approved Sample	9 Studies	Selecti	on size: 0.0 M	В		•	All 🗸	Nor
ected acquis Operation	on: \\Q The	•	nnot be on an optic		Selecti ch as a CD, DVD or				•		Nor
ected acquis Operation Target Locati	on: \\Q The Free	target location ca	nnot be on an optic drive: 214.97 GB						•		Nor
ected acquis Operation ^T arget Locati	on: \\Q The Free	target location ca e space on target o sitions to the targe	nnot be on an optic drive: 214.97 GB					· · · · · · · · · · · · · · · · · · ·	•		Nor
Operation Farget Locati  Copy the E	on: \\Q The Free e selected acqui ixclude Video Fi	target location ca e space on target sitions to the targe les	nnot be on an optic drive: 214.97 GB	cal disk device su							Nor
Operation Farget Locati Copy the E E Copy onl	on: \\Q The Free selected acqui ixclude Video Fi y the scoring fil	target location ca e space on target sitions to the targe les	nnot be on an optic drive: 214.97 GB at location acquisitions to the	cal disk device su					•		Nor
<ul> <li>Operation</li> <li>Target Location</li> <li>Copy the</li> <li>E</li> <li>Copy online</li> <li>Move the</li> </ul>	on: \\Q The Free e selected acqui ixclude Video Fi y the scoring fil s selected acqui	target location ca e space on target sitions to the target les les of the selected sitions to the target	nnot be on an optic drive: 214.97 GB at location acquisitions to the	cal disk device su target location	ch as a CD, DVD or				•		Nor
ected acquis     Operation     arget Locati     Copy the     E     Copy on     Move the     Archive t	on: \\Q The Free e selected acqui ixclude Video Fi y the scoring fil s selected acqui	target location ca a space on target sitions to the target les les of the selected sitions to the target usitions to the target	nnot be on an optio drive: 214.97 GB at location acquisitions to the at location	cal disk device su target location	ch as a CD, DVD or						Nor
ected acquis Operation arget Locati Copy the E Copy on Move the Archive t E E E E E E E E E E E E E E E E E E E	on: \\\Q The Free selected acqui ixclude Video Fi y the scoring fil selected acqui he selected acqui he selected acqui	target location ca a space on target sitions to the target les les of the selected sitions to the target usitions to the target	nnot be on an optic drive: 214.97 GB at location acquisitions to the at location get location and ap	cal disk device su target location	ch as a CD, DVD or						Nor

### Working Folders



Before using Acquisition File Management, you must first create working folders.

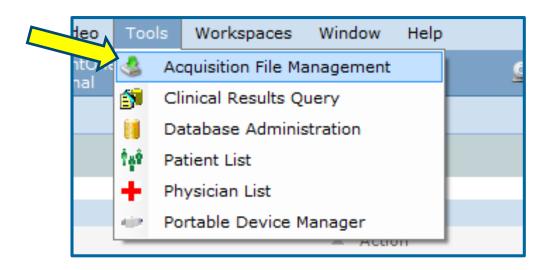
A working folder is a 'folder location' where studies are held after collection. Typically, a sleep lab has working folders set up so that the integration location is set to the local computer's C drive, and then automatically back up to a server location. The server location is where studies will be accessed for scoring and review. Once a study is scored and reviewed, it can then be moved to a permanent storage location using Acquisition File Management.

Working Folders			×				
Integration Folder	Folder		Add				
	C:\Acquisitions D:\Server Location G:\Acquisitions_Archive		Delete				
✓ When opening studies, search integration folder last.							
Auto-copy							
🛛 Auto-copy acqui	sitions after integration	D:\Server Location	•				
Exclude Vide	0						
		ок	Cancel				
Shared Options							

Setting a local folder (C:\Acquisitions) as the integration location is more of a safety measure for collection in cases where the server may be offline or unavailable during a study. Studies can, and should be deleted from the local location once you verify the study is in the backup location for scoring.

### How to Open Acquisition File Management

From the Main Menu in Sleepware G3, click on Tools to display a drop-down menu. Select **Acquisition File Management**.



Note: The user account attempting to access Acquisition File Management must have proper group privileges in order to use this tool.



#### The Acquisition File Management Window Appears

Acquisition File Management												
Search By												
Last Name:					Acquire	d Date:		Custom		•	0	Search
Acquisition State	N/A				Fro	m Date:		Sunday ,	April 0	3, 2016		
Assigned To:	All					To Date:		Wednesday,	April 1	9, 2017		
Working Folder:	C:\Acquisiti	005						All		<b>•</b>		
working rolder.	C. Acquisiti	0113			Location.							
Acq Num E	Device	Last Name	First Name	Birth Date	Patient ID	Acq Date	Duration /	State	Assigned To	o Interpreting	Phys.	Ref ^
🔲 00000031 🛛 A	N1PD1005	Kallenbach	Kenneth-Keith	1/2/1969	eyes	9/15/2016	4:30:05	N/A	None			
06400066 1	.00066	PATTON	GEORGE S	5/1/1916	Bandito	7/14/2016	6:11:40	N/A	None	Ramoray		J _
	01057	Kelly	Brian	6/15/1971	gleaming the	9/10/2016	6:33:48	N/A	None	McCoy		Mc =
00101292 1	00665	Buchannon	Mitch	2/27/1957	Baywatch	5/28/2016	6:39:13	N/A	None			
	APDx15624	Brady	Mke	4/5/1927	BradyBunch	4/4/2017	6:54:41	N/A	None			
	APDx19221	Farley	Chris	8/26/1964	TommyBoy	12/6/2016	7:41:41	N/A	None			
	01055	Quinn	Mighty	10/12/1942	Manfredmann	9/19/2016	8:00:10	N/A	None	Doom		Teeth
	A5BS11632	Booey	Bob A.	7/1/1962	0119173	1/28/2017	8:16:39	N/A	None			
00000149 A	N1001001	Brody	Matt	5/20/1085	Swimmer	0/01/0016	8-46-00	N/A	None			*
Selected acquisitio	ons: O				Selecti	on size: 0.0 M	В			All		None
Operation												
Target Location:	:	\qq0002ua4131sr	f\acquisitions						•	Browse		
			cannot be on an o et drive: 196.13 G	ptical disk device s B	uch as a CD, DV	D or Blu-ray d	lrive.					
Copy the se	lected acquisiti	ons to the target	location									
Exclude		<b>-</b>										
Copy only the copy only the copy only the copy of t	he scoring files	of the selected a	cquisitions to the ta	arget location								
Move the se	lected acquisiti	ons to the target	location									
Archive the	selected acquis	sitions to the targ	et location and app	ly the following (op	tional) label: A	rchive Test						
Exclude	Video Files											
Delete Video	o Files from the	selected acquisit	tions									
Delete acqui	isition files											
										Continue	-	Close
13 acquisitions												



# To Search for Acquisition Files, The Following Filters Can Be Applied:

- To search for an acquisition file, enter a full or partial name in the Last Name box.
  - Note: You can use a partial name with wildcard character ("*") to represent any number of characters within the name. Some examples for the name "Johnson" include "Jo*n", "Jo*", and "*son".
- Choose an Acquisition State from the list. Choosing "All" means any state. (State Management must be enabled, or else status will say None).
- Select a user from the Assigned To list. Choosing "All" means acquisitions assigned to any user.
- **Working Folder** allows a search from a specific working folder.

Acquisition File M	lanagement			×
Search By				
Last Name:		Acquired Date:	Custom	- Search
Acquisition State:	All	From Date:	Sunday , April 03, 2016	
Assigned To:	All	To Date:	Wednesday, April 19, 2017	
Working Folder:	C:\Acquisitions	Location:	All	-

#### PHILIPS

### To Search for Acquisition Files, You May Select And Apply Any Or All Of The Following Search Filters:

Check Acquired Date to activate search by a custom date range.

When searching by date range:

Check "Acquired date" to activate search by date range Select a **From Date** from the list Select a **To Date** from the list

Select a Location from the list. (Locations must first be set up using the Locations settings icon on the Configuration Page)

Acquisition File Management		X
Search By		
Last Name:	Acquired Date:	Custom
Acquisition State: All	From Date:	Sunday , April 03, 2016 🗐 🔻
Assigned To:	To Date:	Tuesday , September 26, 2017
Working Folder: C:\Acquisitions	bocation:	All



#### **Search for Acquisition Files**

Once the Search function is executed by clicking on the **Search** button, all acquisitions satisfying the search criteria will appear.

Last Name:	Brady		🔽 Acquire	d Date:	Custom		-	Q	Sear
Acquisition State	All		- From	m Date:	Sunday	, April 03, 20	016 🔲 🔻		
Assigned To:	All		• т	o Date:	Tuesday	, September 26, 20	017 🔲 🔻		
Working Folder:	C:\Acquisitions		<ul> <li>Location:</li> </ul>		All		•		

Note: Columns can be sorted in ascending or descending order by clicking on the corresponding column header.

Acquisitions that have been previously archived are not shown.



### To Copy Acquisition Files

First select the **Target Location***: You can select an existing Sleepware G3 working folder via the list. If you do not want to use a working folder as the target you can enter the path to a destination folder in the Target Location box, or click the **Browse** button to navigate to the destination folder.

*The target location cannot be on an optical disk such as a CD, DVD or Blu-ray.

Selected acquisitions: 1	Sel	ection size: 48.2 MB	All Nor			
Operation						
Target Location:	\\qq0002ua4131srf\acquisitions		▼ Browse			
	The target location cannot be on an optical disk device such as a CD, Free space on target drive: 188.09 GB	DVD or Blu-ray drive.				
Copy the selected acquisitions to the target location						
Exclude Video F	iles					
Copy only the score	ing files of the selected acquisitions to the target location					
Move the selected a	acquisitions to the target location					
Archive the selecte	d acquisitions to the target location and apply the following (optional) label:	Archive Test				
Exclude Video F	iles					
Delete Video Files f	rom the selected acquisitions					
Delete acquisition f	iles					
			Continue Close			
acquisitions						

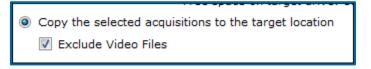


### **Copying Acquisitions**

To copy acquisitions, select the option labeled **Copy the selected acquisitions to the target location**. This places a copy of the selected acquisitions in the target location and <u>does not</u> delete the original files.

Op	eration							
Targ	get Location:	\\qq0002ua4131srf\acquisitions		Browse				
		The target location cannot be on an optical disk device such as a CD, Free space on target drive: 197.44 GB	DVD or Blu-ray drive.					
۲	Copy the selected acquis	sitions to the target location						
	Exclude Video Files							
$\bigcirc$	Copy only the scoring files of the selected acquisitions to the target location							
$\bigcirc$	Move the selected acquis	sitions to the target location						
$\bigcirc$	Archive the selected acq	uisitions to the target location and apply the following (optional) label:	Archive Test					
	Exclude Video Files							
$\bigcirc$	Delete Video Files from t	the selected acquisitions						
$\bigcirc$	Delete acquisition files							
				Continue Close				
1 acqui	isitions							

Selecting **Exclude Video Files** causes the copy operation to ignore video files that may exist with the acquisition.





### Copying Scoring Files Only

To copy only the scoring files of an acquisition, select the option labeled **Copy only the scoring files** of the selected acquisitions to the target location.

You would select this choice if the record on the target location has already been scored, but additional scoring changes were made later.

Operation						
Target Location:	\\qq0002ua4131srf\acquisitions		Browse			
	The target location cannot be on an optical disk device such as a CD, Free space on target drive: 197.45 GB	DVD or Blu-ray drive.				
Copy the selected acquire	uisitions to the target location					
Exclude Video Files						
Opy only the scoring files of the selected acquisitions to the target location						
Move the selected acquire	uisitions to the target location					
Archive the selected ac	equisitions to the target location and apply the following (optional) label:	Archive Test				
Exclude Video Files						
Delete Video Files from	the selected acquisitions					
Delete acquisition files						
			Continue Close			
1 acquisitions						

Note: This feature overwrites the scoring at target location from source. Be 100% sure the source is the latest version of scored data.



### **Moving Acquisitions**

To move acquisitions, select the option labeled **Move the selected acquisitions to the target location**.

This *moves* the selected acquisition files to the target location then deletes the original on the source location after it is moved.

Operation			
Target Location:	\\qq0002ua4131srf\acquisitions		Browse
	The target location cannot be on an optical disk device such as a CD, [ Free space on target drive: 197.44 GB	DVD or Blu-ray drive.	
Copy the selected acqu	isitions to the target location		
Exclude Video Files			
Copy only the scoring f	iles of the selected acquisitions to the target location		
Move the selected acquire	isitions to the target location		
Archive the selected ac	quisitions to the target location and apply the following (optional) label:	Archive Test	
Exclude Video Files			
Delete Video Files from	the selected acquisitions		
Delete acquisition files			
			Continue Close
1 acquisitions			



### **Archiving Acquisitions**

To archive acquisitions, select the option labeled **Archive the selected acquisitions to the target location and apply the following (optional) label**.

This copies the selected acquisition files to the target location, then deletes the originals after the copy. This function also adds a user-specified archive label and computer-generated archive date to that acquisition's record in the database. By default, an acquisition that has an archive label and date in the database does not appear when searching for acquisitions.

Operation			
Target Location:	\\qq0002ua4131srf\acquisitions		Browse
	The target location cannot be on an optical disk device such as a CD, D Free space on target drive: 197.44 GB	OVD or Blu-ray drive.	
Copy the selected acqu	isitions to the target location		
Exclude Video Files			
Copy only the scoring f	iles of the selected acquisitions to the target location		
Move the selected acqu	isitions to the target location		
Archive the selected ac	quisitions to the target location and apply the following (optional) label:	Archive Test	
Exclude Video Files			
Delete Video Files from	the selected acquisitions		
Oelete acquisition files			
			Continue Close
acquisitions			



### **Deleting Video Files**

To delete video files from acquisitions, select the **Delete Video Files from the selected acquisitions** option.

Selected acquisitions: 1	Sel	lection size: 48.2 MB	All 🔪	None None
Operation				
Target Location:	\\qq0002ua4131srf\acquisitions		Browse	
	The target location cannot be on an optical disk device such as a CD, Free space on target drive: 197.44 GB	DVD or Blu-ray drive.		
Copy the selected acq	uisitions to the target location			
Exclude Video Files	3			
Copy only the scoring	files of the selected acquisitions to the target location			
Move the selected acq	uisitions to the target location			
Archive the selected a	cquisitions to the target location and apply the following (optional) label:	Archive Test		
Exclude Video Files	5			
Oelete Video Files from	n the selected acquisitions			
Delete acquisition files				
			Continue	Close
1 acquisitions				



### **Deleting Acquisitions**

Choosing **Delete Acquisition** allows you to delete acquisition files.

To remove acquisitions files from the selected source folder, select the **Delete acquisition files** option.

Operation			
Target Location:	\\qq0002ua4131srf\acquisitions		Browse
	The target location cannot be on an optical disk device such as a CD, I Free space on target drive: 197.45 GB	DVD or Blu-ray drive.	
Copy the selected ac	quisitions to the target location		
Exclude Video File	s		
Copy only the scoring	g files of the selected acquisitions to the target location		
Move the selected ac	quisitions to the target location		
Archive the selected and a select	acquisitions to the target location and apply the following (optional) label:	Archive Test	
Exclude Video File	s		
🔘 Delete Video Files fro	m the selected acquisitions		
Oelete acquisition file	s		
			Continue
1 acquisitions			

The entry in the database for the acquisitions remains and is not removed as part of the delete operation.





The screenshots are from the Sleepware G3 software and may differ from your version of Sleepware.



i Consult Sleepware G3's online help for additional information.

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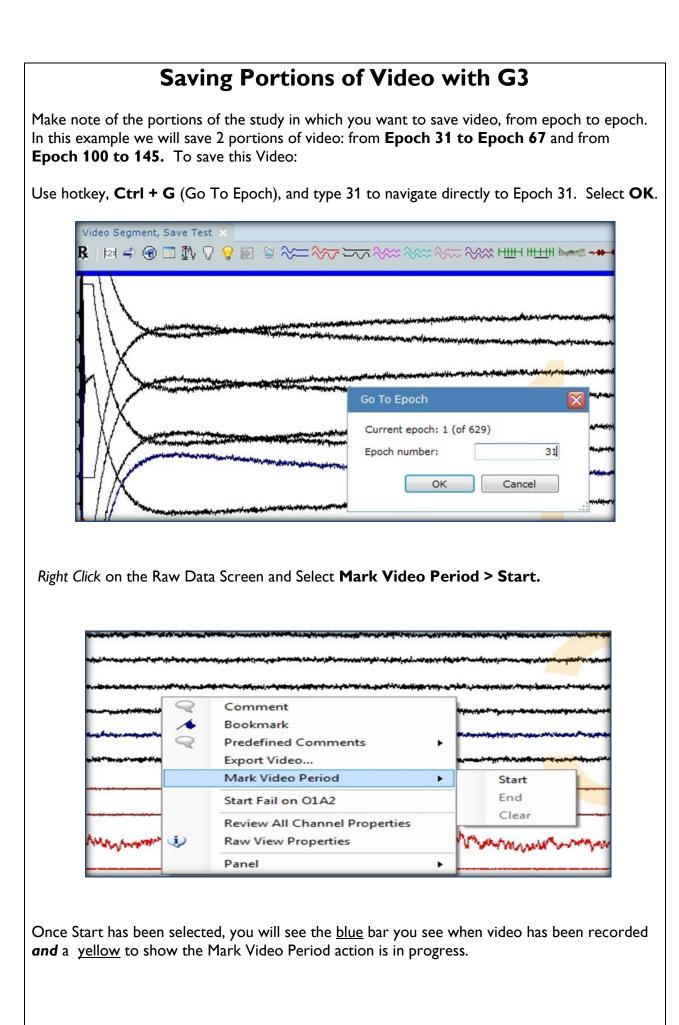


#### Instructions for Changing Video and Audio Options

	Sleepware G3
To	change audio and video settings:
1.	Click "LDx-XXXXXX - Awaiting Acquisition" dropdown on the Device bar (top of window).
2.	Click " <u>Audio and Video Settings</u> ".
3.	If no camera address is present, or you are connecting to a different camera, enter the IP address of
	the camera (refer to your documentation). There may be a short delay while the camera is detected. If
	the camera is not detected, check it is powered on and connected to the network.
4.	Click the appropriate option for video with audio, video only, or disabled.
<u>To '</u>	View Video within a Study
1.	Click the video icon on Device bar to view live video.
2.	You will see a green marker below the data on each Panel which represents the current position of
	the video displayed in the Video Panel.  📓
3.	All recorded video is retained with the Study unless you choose to delete it from the Acquisition File
	Manager.
4.	Click and drag in the video window to use the PTZ (Pan/Tilt/Zoom) feature to control the camera.
To	<u>Use Intercom</u>
1.	Right click the speaker icon to hear sound from the room (intercom).
2.	Left click and hold the speaker to use " <u>push to talk</u> " to talk to the patient using a microphone attached to the
	PC.
<u>To (</u>	delete recorded video from a sleep study:
1.	Click "Tools" and select "Acquisition File Management".
2.	Select the studies in the list that you want to remove ALL video from.
3.	Select "Delete Video Files from the selected acquisitions".

4. Click "<u>Continue</u>".

* Note: Screenshots are from the Sleepware G3 Software and Online Help.



* Note: Screenshots are from the Sleepware G3 Software and Online Help.

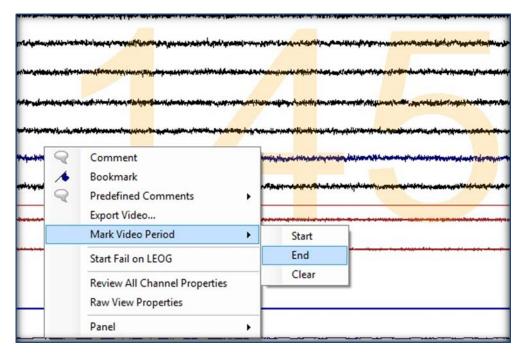
				_
	o Segment, Save Test 🗴 121 📣 🛞 🗔 🎶 🖓 💡 🔝 😪 ని>>			ee →+++ 0 ₂ ∖₂
Data Markup				
F3A2	and a state of a grant and a state of the state	والرومان والجراب المرقب فيموار والأرك		and the constance of the second sector
F4A1				and the second se
C3A2		the contraction of the second second		۵۰٫۳۹۹۰۰۲
Use Ctrl+G to find epo			•	d. Once there,
right click on the raw da	ta screen and select M	ark video	o Perioa > Ena.	
A State A we have a second a s	and and an inclusion of the station of the first of the second second second second second second second second	and a second of a share and		******
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minute increments, so	portions of the video ar	re containe	ed in the folders includ	ling epochs 31 to
67 will also be saved).				
Once the Start and Enc				
and end of the segment	. The entire video will	remain int	act until all video segr	nents are
selected in the study.				
Video Segment, Save Test	x			
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* Note: Screenshots are from the Sleepware G3 Software and Online Help. * Disclaimer: Screenshots may change based on software version.

Next we will save the period of video from **epoch 100 to 145**. Use Ctrl + G to find epoch 100. Right click on the raw data screen in epoch 100 and select from the dropdown menu **Mark Video Period > Start.** 

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		Review All Channel Properties	_	Clear			
		Raw View Properties					
		Panel	_				

To find our end period, use Ctrl+G to go to epoch 145. At Epoch 145 right click on the raw data screen and select **Mark Video Period > End**.



* Note: Screenshots are from the Sleepware G3 Software and Online Help.

*Note: if you selected an area of video that you did not want to save you can select **Clear** from the dropdown list to delete the last portion of video that was saved.

2	Comment		**************************************	
1	Bookmark	_		
$\mathbf{Q}$	Predefined Comments	F .		
	Export Video	- H		
	Mark Video Period	•	Start	
	Start Fail on REOG		End	
	Review All Channel Properties Raw View Properties		Clear	
	Panel	. –		

Once all portions of video have been selected, Select **Video** from the Toolbar. Next, select **Delete All Unmarked Video** from the dropdown menu.

	LEEPWARE							
a Sle	eepware G3 - Video Seg	ment, Save Test	(May 30, 19	74)				
File	Edit View Scor	ring Devices	Report	Video	Tools	Workspaces	Window	/ Help
1	Alice5-A5BS04883 Awaiting Acquisition	<u>_</u> &	-	Ne	w Video	Panel		
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30	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	📓 🤻 🖄 🖨		Cl	ear All M	arked Periods	6	
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You will receive a message to confirm deletion of unmarked video. Select **Yes** to continue or **No** to cancel.

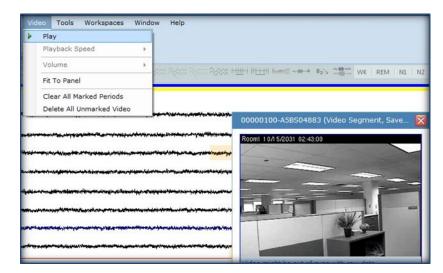
	Yes	No	

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

Once you have deleted the video, you will notice a blue and yellow bar in areas where the video was saved. There will be no video bars in the areas of the study in which video was deleted.

Video Segment, Save Test ×	LSPIRONIC:
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	<b>#~~~</b> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
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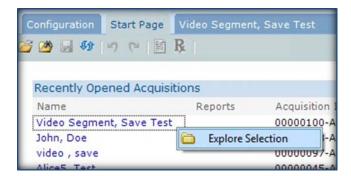
In the area of the study in which the video exists, the video window will appear and the option to play is available.



In the area where video was deleted, the video panel will read "No video available".

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		epopur, new new production	be out of sync with raw data	

* Note: Screenshots are from the Sleepware G3 Software and Online Help. * Disclaimer: Screenshots may change based on software version. To view the video files in the acquisition folder, click on the Start Page. Right click on the patients name and the left click on **Explore Selection**.



This action will take you into the acquisition folder. Double left click on the Video Folder to see the video files.

 Include 	e in library Share with Burn	New folder	8	= • 🔟
rites	Hame	Date modified	Туре	Size
ktop	00000100-A5BS04883-Video	6/11/2014 2:26 PM	File folder	
wnloads	00000100-A5BS04883.lck	6/11/2014 2:06 PM	LCK File	1 KB
cent Places	@ 00000100-A5BS04883	6/11/2014 2:26 PM	Sleepware Acquisi	36 KB
	00000100-A5BS04883[001].edf	6/9/2014 3:52 PM	EDF File	2,495 KB

<u>Video Files</u>: Only Saved video files will remain in this folder. Video files that have been deleted will be permanently removed

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ng	acquisitio	<u>R</u> eport ce PDx	-	<u>T</u> ools <u>▲</u> Co <u></u> Clin <u></u> Da Pat	Wor <u>k</u> spaces quisition File M nical Results Q tabase Admini	<u>W</u> indow anagement uery	_	of video op	ptic

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

Operation	
Target Location:	E:\
	The target location cannot be on an optical disk device such as a CD, DVD or Blu-ray drive. Free space on target drive: 7.05 GB
Ocpy the select	ed acquisitions to the target location
> 🗌 Exclude	Video Files
Copy only th <u>e</u> s	coring files of the selected acquisitions to the target location
Move the select	ed acquisitions to the target location
Archive the sele	cted acquisitions to the target location and apply the following (optional) label:
Exclude	Video Files
→ Delete Video Fil	es from the selected acquisitions
Delete ac <u>q</u> uisition	on files
	Continue Close
	Continue
	Continue Cose en copying acquisition to a backup location, you can place a check in box to exclude entire video folder during transfer, including video that was saved.
the e	en copying acquisition to a backup location, you can place a check in box to exclude
the e 2. Same	en copying acquisition to a backup location, you can place a check in box to exclude entire video folder during transfer, including video that was saved.
the e 2. Same	en copying acquisition to a backup location, you can place a check in box to exclude entire video folder during transfer, including video that was saved. e as option 1 when archiving to an alternate target folder.
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the e 2. Same	en copying acquisition to a backup location, you can place a check in box to exclude entire video folder during transfer, including video that was saved. e as option 1 when archiving to an alternate target folder.
	Target Location: Copy the select Exclude Copy only the select Move the select Archive the select Exclude

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* Note: Screenshots are from the Sleepware G3 Software and Online Help. * Disclaimer: Screenshots may change based on software version.

G3 Training Module



* Note: Screenshots are from the Sleepware G3 Software and Online Help.

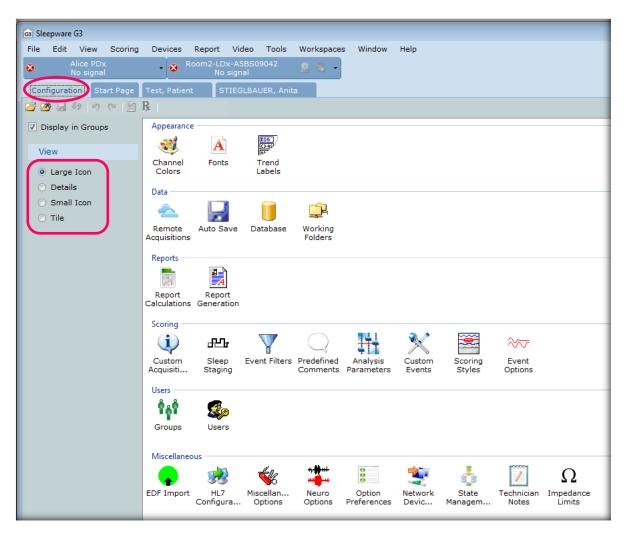
Table of Contents

CONFIGURATION TAB
CHANNEL COLORS, FONTS, TREND LABELS
REMOTE ACQUISITION OPTIONS
AUTO SAVE
DATABASE9
WORKING FOLDERS
AUTO-COPY OPTIONS
REPORT CALCULATIONS
REPORT GENERATION
CUSTOM ACQUISITION PROPERTIES
SLEEP STAGING
EVENT FILTERS
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CUSTOM EVENTS
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NEURO OPTIONS
OPTIONS PREFERENCES
NETWORK DEVICE SETUP
STATE MANAGEMENT
TECHNICIAN NOTES
CONFIGURING TECH NOTES
IMPEDANCE LIMITS

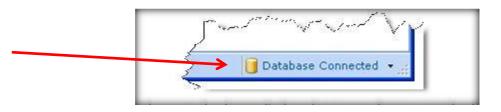
* Note: Screenshots are from the Sleepware G3 Software and Online Help.

CONFIGURATION TAB

This area displays all the application options that can be configured. The options can be displayed in Groups (by clicking the Display in Groups check box) and as a list or tiled, using large or small icons, and with or without associated details/descriptions (by clicking on one of the View options).



The status bar at the bottom of the configuration tab area displays the database connection status.



The status is always displayed. You can choose to work without being connected to the database by clicking the down arrow and choosing **Work Offline.** When you work offline, all functions within Sleepware that rely on the database, such as patient and physician lists, functions associated with users and groups, acquisitions that are listed in the My Acquisitions area of the Start Page, etc. are not functional until you return to working online.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.



CHANNEL COLORS, FONTS, TREND LABELS

Channel Colors

The Channel Colors window provides a channel color select box for each channel type. Changes made are stored and immediately available on all open applicable panels.

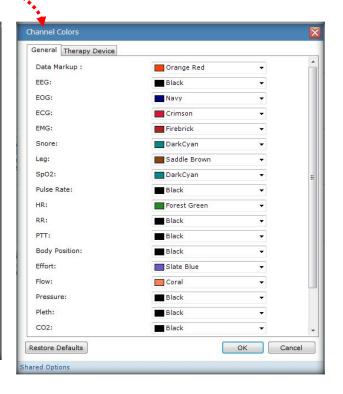
The Channel Colors window has two tabs: General and Therapy Device. In either tab, the channel colors have default values upon installation of the system. Clicking the **Restore Defaults** button resets the colors to the default values.

To change the channel colors:

- 1. Click the Configuration tab.
- 2. Double-click on the Channel Colors link.

The Channel Colors window opens.

- Select/change a color for any of the channels listed.
- 4. Click OK to save your changes.



Fonts

Fonts

The Fonts window allows you to set the maximum font size for channel labels. The maximum size will be used if space permits; otherwise, the labels will be scaled accordingly. The minimum size is 5 points and maximum size is 24 points. If configured as a shared option, the fonts will be viewed/modified as shared settings. If configured as a user-specific option, the fonts will be viewed/modified as user-specific settings.

Fonts		
Font Properties		
Channel Labels:		18 🌲
Numeric Channels:		10 🌲
Digital Panel Label and Values:		10 🌲
Traditional Epoch Numbers:		24 🌲
<u>R</u> R Numbers:		8 🌲
Channel Scale Values:		12 🌲
Summary Panel Section Header:		10 🌲
Summary Panel Section Content:		15 🌲
Technician Comments:		20 🌲
Restore Defaults	ОК	Cancel

Hear Specific Ontions

Trend abels		
Trend Labels		
Raw Data Trends Event Trends		
EOG REM:	REM	-
EOG SEM:	SEM	
EEG Alpha:	Alpha	E
EEG Spind:	Spindle	
EEG Delta:	Delta	
EMG Chin:	Tonus	
Leg:	Leg Tonus	
Snore:	Snore	
Body Position:	Position	
HR:	HR	
pH:	pН	
SpO2:	SpO2	
CO2 EndTidal:	EtCO2	
PTT Trend:	PTT	
Effort Rate:	TRAT	
Flow Rate:	FRAT	
Actimeter Trend:	Actimeter	
Light Ambient:	Ambient Light	-

Trend Labels

The Trend Labels window provides the ability to view/modify the trend labels used in the trend panel and the reports. Changes made are stored and immediately available on all open applicable panels.

The Trend Labels window has two tabs: Raw Data Trends, Event Trends.

In either tab, the trend labels display default values assigned upon installation of Sleepware and are shown to the right of the trends. These values are displayed in trend panels and reports. You can overwrite the default values by typing your own in values in place of the defaults.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

REMOTE ACQUISITION OPTIONS



The Remote Acquisitions Options window allows you to enable Sleepware G3 to store acquisitions on a cloud server.

emote Acquisition Opt	ions 🛛 🕅
General Options	
Enable support for ac Web service URL: Web service password: Local mirror folder:	cessing remote acquisitions https://ec2-54-209-150-12.compute-1.amazonaws.cor ************************************
Exclude video files wh	d files when opening an acquisition en downloading acquisitions
Automatically upload f	acquisitions after integration files when closing an acquisition en uploading acquisitions
ared Options	OK Cancel

Sleepware G3 Cloud Services is an optional feature in which customers may utilize for storing and sharing full PSG and HST data. The G3 Cloud will allow users to easily access sleep data remotely. The Sleepware G3 database can be stored on the cloud server.

If using cloud services to house your database, you must select ☑ Connect to Remote Database under the database icon on the configuration page:

atabase Options	
General Connection Options	
Work Offline	
Connect to Remote Database	
Local Connection Options	
Database Server Name:	(local)\SQLExpress_SW3
Database <u>N</u> ame:	SleepwareG3
Connection \underline{T} imeout:	3 seconds
Remote Connection Options	
Web Service URL:	https://ec2-54-209-150-12.compute-1.amazonaws.com/Phi
Web Service Password:	*****
	OK Cancel
rod Options	

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.

AUTO SAVE

Auto Save

The Auto Save Settings window provides an interface for letting you specify how Sleepware handles saving information upon exiting.

To access the Auto Save Settings window:

- 1. Click the Configuration tab.
- 2. Double-click the Auto Save link.

The Auto Save Settings window opens.

By default, Sleepware automatically saves any changes upon exit, and is configured to perform an auto save every five minutes. You can also configure the time interval between saves.

- If you do not want auto save features, you can select Prompt to Save and change and/or deselect the Auto Save check box.
- Click OK to save the changes and close the window.



Auto Save Settings
Upon Exit
 Prompt to save any changes Automatically save any changes
Auto Save
Auto save Every 5 minutes OK Cancel
Shared Options
\mathbf{X}
You can also choose how frequently data is saved during scoring.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

DATABASE

Use of the database is optional, but highly recommended. The database is used to store the <u>patient list</u>, <u>physician list</u>, <u>acquisition identification information</u>, and all information related to user and group settings. The database makes it easy to locate specific patients, physicians, and acquisitions using its built-in search mechanism.

You can choose to work without the database by clicking the database drop-down arrow in the bottom-right corner of your screen and selecting **Work Offline**.

By default, a database instance based on Microsoft's SQL Server Express technology is installed with Sleepware. Use of the database is optional, but strongly suggested. Without the database you cannot search for patients, physicians, or identifying acquisition information.

Follow these steps to access the database options:

1. Double-click the **Database** icon under the **Configuration** tab.

The Database Options window opens and allows you to specify whether a database is to be used and to change specific details about the database.

Click the Work Offline option if you prefer to not use a database; <u>do not</u> click the Work Offline option if you want to use the database. If you plan to use a cloud-based database, click on the Connect to Remote Database option. If this option is selected, the options located in the Remote Connections Options section can be set to their desired values.

Local Connection Options:

The Database Server Name shows the machine name and the database instance name.

The **Database Name** is established during Sleepware installation and the path shown is the default location. You may change it at any time.

The default number of seconds to display a **Connection Timeout** message is 3; however, you may change it to a higher or lower value.

Remote Connection Options: Described above in "Remote Acquisitions" section.

Database Options			\sim
General Connection Options			
 Work Offline Connect to Remote Database 			
Local Connection Options			
Database Server Name: Database Name: Connection Timeout:	SLEEPSERVER2008\SQLEXPRESS_SW3 SleepwareG3 3 seconds		=
Remote Connection Options			
Web Service URL: Web Service Password:			
		ОК	Cancel
Shared Options			

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

WORKING FOLDERS

The Working Folders window will allow you to select an integration folder for sleep data. This location will be the folder in which your acquisitions are collected and saved. The default integration folder is set to C:\Acquisitions during installation. The Folder column below shows the full path for the working folder selected.

It is often common practice to collect acquisitions in this integration folder on the PC in which the studies are acquired on, and then auto-copy the same acquisition to a shared location. Auto-copy to a central location will allow access to all acquisitions from any sleep computer. See next page for more on Auto-Copy.

	$\downarrow \downarrow \downarrow$	Ļ		Ť	
	Working Folders				
	Integration Folder Folder				Add
	C:\Philips Respironics\Sleepware G3\Ac \\sleepserver2008\Sleepware G3 E:\USB Drive	quisitions			Delete
	When opening studies, search integration folder last.				
	Auto-copy				
	Auto-copy acquisitions after integration Exclude Video				¥
			ок		Cancel
	To add a new working folder:				
-	Click the Configuration tab. Double-click the Working Folders link.				
	The Working Folders window opens.				
з.	3. Click the Add button.				
	A new window opens.				
4.	4. Type a path/folder name in the space provided or Browse button and navigate to the folder. UNC p are permitted in addition to mapped drives. If you type a folder name that doesn't exist, Sleepware ask if you want it to create the folder for you.	oaths will			
5.	5. Click OK to complete the operation and close the window.				
6.	5. Click OK again to close the Working Folders window.				
Te	Fo delete an existing working folder:				
	1. Click the Configuration tab.				
	2. Double-click the Working Folders link.				
41	The Working Folders window opens.				
3	 Click on the folder to delete and click the Delete button. 				
э.	The selected folder is removed from the Folder column.				
	Note: If there is only one working folder listed, the Delete button is disabled.				
4.	4. Click OK to close the Working Folders window.				

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

AUTO-COPY OPTIONS

To automatically copy a sleep study to a Server location, you must first create the path for the server location as a working folder. Once created, place a check mark in box to select \square "Auto-copy acquisitions after integration." From the drop-down menu, select the server folder/path that was created. In this case, it is best place a check mark where it says: \square When opening studies, search the integration folder last. This will allow Sleepware to search the auto-copy folder more efficiently.

Auto-copy Options

 (Optional) Click the Auto-copy acquisitions during integration option to automatically copy acquisitions to the folder you select in the associated drop-down list.

The copy operation occurs when an acquisition is stopped and is integrated to the working folder designated as the integration folder. The acquisition is then also copied to the specified working folder.

 (Optional) Click the Exclude Video check box to perform the acquisition copy but without any associated video files.

Working Folders		$\overline{\mathbf{X}}$
Integration F	Folder C:\Philips Respironics\Sleepware G3\Acquisitions	Add
	C:\Philips Respironics\Sleepware G3\Interscorer C:\G3ClinicalTrialMirror	Delete
	F:\Server_Acquisitions	
When opening	g studies, <u>s</u> earch integration folder last.	
Auto- <u>c</u> opy a <u>E</u> xclude V	cquisitions after integration ideo	F:\Server_Acquisitions
		OK Cancel
Shared Options		

* Note: Screenshots are from the Sleepware G3 Software and Online Help.



REPORT CALCULATIONS



Report Calculations

The Report Calculations window allows you to configure the way reports are calculated.

Follow these steps to change report calculations:

- 1. Select Adult or Infant from the patient list.
- 2. Modify the desired parameter.
- 3. Click OK to save changes.

Note: You can click the Restore Defaults button at any time to reset all calculation parameters to their default values.

se the following values when the patier	it is an Adult		▼.				
Thresholds			PLMs				
HR Drop threshold	12.5	%	Max Period:	90.0	sec		
SpO2 Drop threshold:	3	%	Min Period:	5.0	sec		
Optimized Pressure threshold:	90	%	Minimum Number:	4			
Reporting Levels			Event Arousal Associat	tions			
Additional SpO2 reporting level:	88	%	Max arousal association	time:	5.0 sec		
Additional EtCO2 reporting level:	0	%	Event Priority	Respira Leg Mo Snore	atory vement	▲ →	Do
Restore Defaults					ОК		Cancel

Thresholds

HR Drop Threshold - Use this setting to configure the percentage of heart rate drop required to annotate in reports a particular apnea as "with Hr drop." The default value is 12.5%.

SpO2 Drop Threshold - Use this setting to configure the percentage of O2 saturation drop required to annotate a particular apnea as "with O2 sat. drop." An apnea must be followed by a desaturation of x% (where "x" is the value set in this parameter) in order for that apnea to be reported as being associated with an oxygen desaturation. The default value is 3% for infant and adult studies.

Optimized Pressure Threshold - This is a user-defined percentage of the study time for which a percentile pressure is calculated and included in several of the pneumological and neurological reports. The percentile pressure is the pressure that the therapy device is at or below for the user-defined percentage of the study. For example, if you enter 95%, then the report may show a pressure of 13 cmH2O. This means that for 95% of the study, the therapy device supplied 13 cmH2O or less.

Reporting Levels

Additional Spo2 Reporting Level - Sleepware adds the configured saturation level (SpO2%) to the Oximetry Summary section of reports. In this section, a table lists, for each sleep stage, the time in minutes that the oximetry was below that saturation level. The report also adds a line below the table that lists the longest continuous time that the oximetry remained below the level configured by this parameter.

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.

Additional EtCO2 Reporting Level - Sleepware adds the configured EtCO2 threshold (EtCO2%) to the EtCO2 Summary section of the Neuro and Pneumo reports. In this section, a table lists, for each sleep stage, the time in minutes that EtCO2 was above that level.

<u>PLMs</u>

Max Period - Use this setting to configure the maximum number of seconds that can occur between two detected limb movements (see "Leg Movement Parameters") in order to consider them part of the same PLM episode. The default value is 90 seconds for adults and infants. If two detected limb movements are separated by more than 90 seconds, they are considered too far apart to be part of a single PLM episode.

Note: PLM episodes are marked only on reports.

Min Period - Use this setting to configure the minimum number of seconds that can occur between two detected limb movements to consider them separate leg movements within the same PLM episode. The default value is five seconds for adults and infants. Thus, if two limb movements are less than five seconds apart (measured from the start of one leg movement to the start of the next leg movement), they are not considered as part of the same PLM episode. Minimum Number - Use this setting to configure the minimum number of limb movements that must occur for Sleepware to display a PLM episode. The default value is four for adults and infants. Thus, if four or more limb movements are detected, as determined by the Leg Movement Parameters, and they are chronologically arranged in accordance with the Minimum Period and Maximum Period parameters above, then Sleepware considers them part of a PLM episode. Note: A PLM episode may include many leg movements once the minimum number has been met, as long as each following movements meets the maximum and minimum period parameters.

Event Arousal Associations

Max Arousal Association Time - This setting is used to calculate event-arousal associations. It specifies the maximum duration between the end of an event and the start of an arousal. An arousal will only be associated with an event if the arousal begins during the event, or if the time between the end of the event and the start of the arousal, is less than the setting for arousal association. The default value is five seconds.

For example, if you specify a setting of 5.0 seconds, then an arousal event has to begin during an event or less than 5.0 seconds after the end of an event in order for the event to be associated with that arousal. If the duration between the end of the nearest event and the start of an arousal is greater or equal to 5.0 seconds, the arousal is classified as a spontaneous arousal.

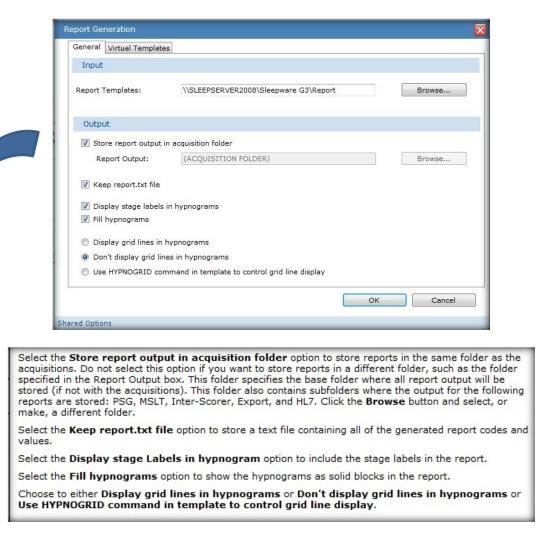
Note that more than one arousal may fulfill the criteria for being associated with a particular event. In that case, Sleepware will associate all such arousals with that event. For example, assuming a setting of 5.0 seconds, one arousal may occur during the event and a second arousal may occur four seconds after the end of the event. Both arousals will be associated with that event.

Event Priority - This setting is used to calculate event-arousal associations. It defines the priority ordering in which events are associated with arousals in cases where an arousal follows multiple events. An ordering can be defined for respiratory, leg movement and snore events. For example, if an arousal starts within the maximum duration (see max arousal association time) of both an obstructive apnea and a snore event, and the event priority is respiratory, leg movement and snore, the arousal is associated with the obstructive apnea since respiratory events have a higher priority than snore events. If instead the ordering was snore, respiratory and leg movement, the arousal will be associated with the snore event. The default ordering is respiratory, leg movement, and snore.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

REPORT GENERATION

The Report Generation window allows you to configure the folders for storing reports and templates. The **General** tab contains options related to the folder for general reports and several visual options regarding the appearance of hypnograms.



Reports will be saved on the start page and stored in the acquisition folder along with the study data for easy

access. If there is a report icon in the reports column, this will indicate a report has been generated for this acquisition. You can simply click on the icon to open the report. You can also choose to right click on the patient name to reveal 'explore selection'. Left click on the explore selection folder to be directed to the acquisition folder for this patient. Here you can view the report by double-clicking to open it. You can delete reports from this area as well.

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.



Configuration Start Page			Configuration Start Page		C:\Philips Re	spironics\Sleepware G3\Acquisitions\00000016 library ▼ Share with ▼ Burn New Name
AlicePDx, Actigraphy Home Test, Mark AASM, Compliant New Sleep, Test FiveHundred, Hertz	Reports Acqu)00)00 400)10)02	AlicePDy Actionary R R 000	quisitic 00001(00002:	'laces nts	1 00000016-APDx12196-scoringSession.cs 1 00000016-APDx12196-report.txt 1 00000016-APDx12196-Neuro_Portable_' 1 00000016-APDx12196-HST_PDx.rtf 1 00000016-APDx12196-AT.xml 1 00000016-APDx12196[001]-T.edf 1 00000016-APDx12196[001].edf 1 00000016-APDx12196[001].edf 1 00000016-APDx12196[001].edf

* Note: Screenshots are from the Sleepware G3 Software and Online Help.



CUSTOM ACQUISITION PROPERTIES



The Custom Acquisition Properties window allows you to add extra data items that are kept with acquisitions and appear in the File Properties window. These fields can be used in order to add more patient information or information regarding the patient to the patient record. The information entered here can be used to generate the report. The default category tabs included with an acquisition are **Patient**, **Patient Stats, Acquisition, Referring Physician**, and **Interpreting Physician**.

With the study open, select File-Properties to view Acquisition Properties.

						Acquisition Properties
<u>F</u> ile	<u>E</u> dit	View	<u>S</u> coring	Devices	Repo	Patient Patient Stats Acquisition Medications Diagnosis Referring Physician Interpreting P
2	Open			Ctrl+0		Patient Information
1	Search					Last Name: AlicePDx Select
	Save			Ctrl+S	Actig	Fi <u>r</u> st Name: Actigraphy
20				ourro		Middle Name:
	Close				1 [[]	Patient ID: 19735246
	Genera	te <u>P</u> reso	ription			Birth Date: May 18, 1955
	Technic	ian <u>N</u> ote	es			Gender: O Male O Female
	Audit T	rail				Contact Info
	P <u>r</u> opert	ies	Alt	t+Enter		Address: Phone 1:
	Import	2		•		Phone <u>2</u> :
	Export			•		<u>C</u> ity: <u>F</u> ax:
	Combin	e Acqui	sitions			State:
			bidonb			Zip Code:
	Recent	<u>F</u> iles		•		Email:
	Set <u>up</u> I	nter-Sc	orer Acqu	uisition		
	Exit					
						OK Cancel

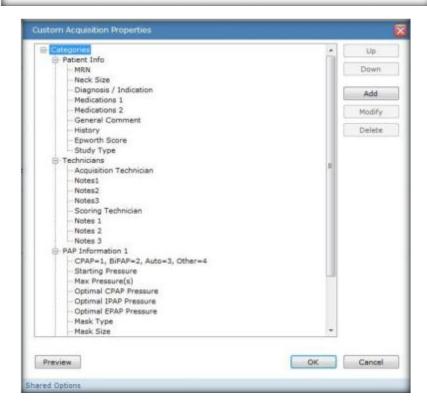
* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.



Follow these steps to add a new category and a label within the category:

- 1. Click on the word Category at the top of the tree structure.
- 2. Click the Add button.
 - The Custom Acquisition Properties window is displayed.
- 3. Enter a name in the Category box and click OK.
 - The window closes and a new category is added to the tree structure.
- Click on the new category name, then click Add. The Custom Acquisition Properties window is displayed.
- 5. Enter a name in the Label Name box and click OK.

The window closes and a new label is added under the new category name.



* Note: Screenshots are from the Sleepware G3 Software and Online Help.

5.

6.

SLEEP STAGING

Sleep Staging

The Sleep Staging Options window allows you to set the sleep stage colors, hot keys, and time marker colors.

To set the sleep staging options:

- 1. Click the Configuration tab.
- 2. Double-click the Sleep Staging link.

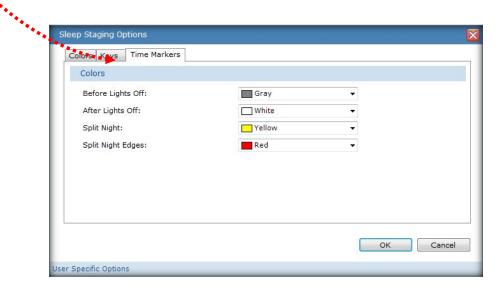
The Sleep Staging Options window opens.

- 3. (Optional) Click the Colors tab and select a color for each sleep stage shown.
- 4. (Optional) Click the Keys tab and select a keyboard key for each sleep stage shown.

(Optional) Click the Time Markers tab and select a color for each time marker shown.

Click OK to save changes. *********

Neuro			Pneumo		
S1 / N1:	DarkBlue	•	QS:	Blue	
S2 / N2:	Blue	•	AS:	Red	c.
S3 / N3:	Green	•	IS:	Magenta	•
S4:	Lime	•			
N:	Orange	•	Common		
REM / R:	Red	•	Wake:	Black	1
MVT:	Magenta	•	Not staged:	Black	
				ОК	Cancel



* Note: Screenshots are from the Sleepware G3 Software and Online Help.



EVENT FILTERS

Event Filters

The Event Filters window allows you to set various respiratory, cardiac and SpO2 event filters. The values of the filters can vary between studies for adults or infants.

Event filters provide a way to filter out certain events from the displays and reports. When you select an event filter and an event meets those criteria, it is shown in a "ghosted" format on the raw data panel. It is removed from the event panel and trend panel displays. Additionally, reports will not count that particular event.

· · · - · · - · ·					
espiratory Event Filters			Cardiac Event Filters		
Central Apnea Minimum Duration:	10.0	sec	Bradycardia Minimum Duration:	5.0	sec
Obstructive Apnea Minimum Duration:	10.0	sec	Tachycardia Minimum Duration:	5.0	sec
lixed Apnea Minimum Duration:	10.0	sec	PTT Drop Minimum Decrease:	20	msec
ERA Minimum Duration:	10.0	sec	Sp02 Event Filters		
lypopnea Minimum Duration:	10.0	sec	Minimum Relative SpO2 Drop:	3	%
ypopnea Minimum Desaturation:	4	%	Minimum Relative SpO2 Drop:	3	70
ieneral Filters					
Keep Events in Wake					

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.

PREDEFINED COMMENTS

Predefined Comments

The Predefined Comments window allows you to add, edit, and delet comments and shortcut keys used at the application level.

To access the predefined comments:

- 1. Click the Configuration tab.
- Double-click the Predefined Comments link.
 The Predefined Comments window opens.

To add a new comment and shortcut key:

- Click the Add button. The Predefined Comment window opens.
- 2. Enter text into the Comment box (maximum 255 characters).
- 3. Select a Shortcut key from the list and click OK to save your changes and close the window.

To edit an existing predefined comment and shortcut key:

- Select a comment in the list and click the Modify button. The Predefined Comment window opens.
- 2. Edit the text shown in the Comment box.
- Select a new Shortcut key if necessary from the list and click OK to save your changes and close the window.

To delete a predefined comment and shortcut key:

- Select a comment in the list and click the **Delete** button. A confirmation prompt is displayed.
- 2. Click Yes, then click OK.

Comment	Shortcut Key	
beginning patient calibrations	Control+F1	Modify
breathe through mouth only	Control+F10	
deep breath and hold for 10 seconds	Control+F11	Delete
move left leg	Control+F12	
Eyes closed for 30 secs.	Control+F2	
eyes open for 30 seconds	Control+F3	
eyes up/down	Control+F4	
eyes left/right	Control+F5	
blink X 5	Control+F6	
Grit teeth	Control+F7	
count to 5 slowly	Control+F8	
breathe through nose only	Control+F9	
move right leg	Shift+F1	
tech in room	Shift+F2	
tech out of room	Shift+F3	
Paradoxical Breathing	Shift+F4	
ending patient calibrations	Shift+F5	
	2.5	
	ОК	Cano



ANALYSIS PARAMETERS

Analysis Parameters

Use the Analysis Parameters option in the Configuration tab to select and configure the detection types to include in auto-analysis (auto-scoring) of events.

Note: These parameters are used for online Alice base station acquisitions and when an Alice PDx is imported. A copy of the parameters is stored with the acquisition. Once the parameters are stored, the Analysis Parameters defined in the Configuration tab are no longer used by the acquisition. To change acquisition-specific parameters, use the Scoring menu on the Main Menu bar while displaying an acquisition.

To select detection types:

- Click the Configuration tab.
- 2. Double-click the Analysis Parameters link.

The Analysis Parameters window opens.

- 3. Click the check box associated with an applicable detection type.
- Clicking the + expands the type category to show the individual event types under it.
- (Optional) Select the source for the automatic analysis algorithms from the list. Currently, only Standard is supported and is the default selection.
- 6. (Optional) Click the Modify button.

The Standard Analysis Options window opens. Refer to the following Standard Analysis Options section below for details.

- (Optional) Click the Restore Defaults button to re-establish the default settings for the General Options.
- 8. Click **OK** to save your changes and close the window.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

Ge	eneral Options	
		Standard
	Respiratory	
	Central Apnea	
	Obstructive Apnea	
	Mixed Apnea	
	Hypopnea	
	Periodic Respiration	
-	Cardiac	
	Bradycardia	
	Tachycardia	
	Heart Rate Drop	
	Heart Rate Rise	
	Long RR	
	PTT Drop	
	SpO2	
	Absolute Desaturation	
	Relative Desaturation	
-	Nasal	
	Snore	
Ξ	Neuro	
	Rapid Eye Movement	
	Slow Eye Movement	
	Arousal	
	Spindle	
	Alpha Activity	
-	Limb	
	Leg Movement	
Ŧ	Gastric	
	Sleep Staging	
0	islucia Decementar Dataila	
A	alysis Parameter Details	
S	tandard 🔻	Modify
G	Restore Defaults	OK Cancel
H	testore Deraults	Cancel

Select Modify Standard Analysis Parameters to make adjustments in settings and sensitivity of the events you have selected for auto-analysis:

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.

ypopnea Cardiac	Oximetry	Limb	Snore	Neuro	pH	General	
Hypopnea Dete	ction						
Minimum Duration	1:		10.0	sec			
Maximum Duratio	n:		120.0	sec			
Amplitude Ratio:			50.0	%			
Hysteresis:			60.0	%			
Hypopnea/Apne	a Priority						
🔘 Нурорпеа		Apne	a				

The Hypopnea tab

Use this tab to configure the auto analysis parameters for hypopnea detection:

- a. Set the Minimum Duration value (seconds). The range is 0.0 600.0; default value is 10.0.
- b. Set the Maximum Duration value (seconds). The range is 0.0 600.0; default value is 60.0.
- c. Set the Amplitude Ratio value (percentage).

This is a threshold used to determine if a hypopnea is auto-scored. Sleepware builds a "model breath" of the breathing under analysis. If the amplitude of the breath currently being analyzed is equal to the hypopnea amplitude factor multiplied by the amplitude of the model breath, then a hypopnea event is begun. The range is 0.0 - 100.0; default value is 50.0%.

d. Set the Hysteresis value (percentage).

Sleepware ends the hypopnea when the amplitude of the current breath reaches the amplitude of the model breath times the hysteresis factor. The range is 0.0 - 100.0; default value is 60.0%.

e. Select Hypopnea or Apnea.

If an apnea and an hypopnea are auto-scored at that same time period, this setting determines which event takes priority. The default value is Hypopnea.



The Cardiac tab

Use this tab to configure the auto analysis parameters for cardiac event detection:

- a. Set the Adult HR Below value (beats per minute). The range is 0 255; default value is 60.
- Set the Infant HR Below value (beats per minute). The range is 0 255; default value is 100.

These are thresholds for the heart rate to fall below the baseline to auto-score a bradycardia.

- c. Set the Adult HR Above value (beats per minute). The range is 0 255; default value is 100.
- d. Set the Infant HR Above value (beats per minute). The range is 0 255; default value is 150.

These are thresholds for the heart rate to rise above the baseline to auto-score a tachycardia.

Set the HR Drop Threshold value (percentage). The range is 0.2 - 100; default value is 22.2%.

This is a drop percentage threshold used in determining a (relative) low heart rate event.

f. Set the HR Rise Threshold value (percentage). The range is 0.2 - 200; default value is 28.6%.

This is a rise percentage threshold used in determining a (relative) high heart rate event.

g. Set the Long RR value (percentage). The range is 0 - 500; default value is 180.0%.

The long RR algorithm compares the time between R-waves x and y, and the time between R-waves y and z. If the second interval is a certain percentage greater than the first interval, then Sleepware scores the second R-wave-to-R-wave (R-R) interval as a long RR event.

Hypopnea	Cardiac	Oximetry	Limb	Snore	Neuro	pH	Genera	
Bradyc	ardia							
Adult HR	Below:			60	bpm			
Infant H	R Below:			100	bpm			
Tachyc	ardia							
Adult HR	Adult HR Above:				bpm			
Infant H	Infant HR Above:			150	bpm			
ECG								
HR Drop	Threshold	1:		22.2	%			
HR Rise	HR Rise Threshold:			28.6	%			
Long RR:				180	%			
							_	

* Note: Screenshots are from the Sleepware G3 Software and Online Help.



The Oximetry tab

Use this tab to configure the auto analysis parameter for absolute desaturation detection:

a. Set the SpO2 Below value (percentage). The range is 0 - 100; default value is 80.

The threshold rate to fall below the baseline in order to auto-score an absolute desaturation.

lypopnea Cardiac Oxime	try Limb Snore	Neuro pH	General	
Absolute Desaturation	Detection			
SpO2 Below:	89	%		

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.

The Limb tab

Use this tab to configure the auto analysis parameters for leg movement detection:

- a. Set the Minimum Duration value (seconds). The range is 0.0 600.0; default value is 0.5. The minimum duration to detect a leg movement.
- b. Set the Maximum Duration value (seconds). The range is 0.0 600.0; default value is 10.
 The maximum duration to detect a leg movement.
- c. Set the Merge Time value (seconds). The range is 0.0 60.0; default value is 0.5.
 Sleepware merges detected leg movement events on the same leg channel that overlap or are within the merge time.
- d. Set the Starting Amplitude value (microvolts). The range is 2 100; default value is 8.
 A leg movement event starts when the amplitude rises above the baseline by the amount specified by the Starting Amplitude parameter.
- e. Set the Ending Amplitude value (microvolts). The range is 2 100; default value is 2.
 A leg movement event ends when the amplitude falls to the value specified by the Ending Amplitude parameter.

lypopnea	Cardiac	Oximetry	Limb	Snore	Neuro	pН	General	
Leg Mo	vement	Detection						
Minimum	Duration	:		0.5	sec			
Maximur	n Duration	n:		10.0	sec			
Merge Ti	ime:			0.5	sec			
Starting	Amplitude			8	uV			
Ending A	Amplitude:			2	uV			

The Snore tab

Use this tab to configure the auto analysis parameters for snore detection:

a. Set the Blind Period value (seconds). The range is 0.0 - 60.0; default value is 2.0.

The blind period is defined as the amount of time, in seconds, that Sleepware overlooks data, or is "blind," past the detection of an individual snore.

b. Set the Max. Period value (seconds). The range is 0.0 - 60.0; default value is 6.0.

The maximum number of seconds that can occur between two detected snores in order to consider them part of a snoring episode.

c. Set the Min. Period value (seconds). The range is 0.0 - 60.0; default value is 3.0.

The minimum number of seconds that can occur between two detected sounds to consider them separate snoring sounds.

d. Set the Threshold value. The range is 0 - 250; default value is 56.

This is the minimum amplitude required to detect a snore on the snore channel. The value is a computer-based number representing amplitude. The higher the number, the higher the amplitude required to detect a snore, resulting in less snores being detected. The lower the number, the lower the amplitude required, resulting in more snores being detected.

	oc Oximetry	Limb	Snore	Neuro	pH	General	
Snore Detecti	on						
Blind Period:		(2.0	sec			
Max Period:		[6.0	sec			
Min Period:		[1.0	sec			
Threshold:		[56				

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

The Neuro tab

Use this tab to configure the auto analysis parameters for Neuro event detection:

- a. Set the Delta Amplitude Adult value (microvolts). The range is 0 300; default value is 75.
 The minimum amplitude to detect a delta wave for an adult acquisition.
- b. Set the Delta Amplitude Infant value (microvolts). The range is 0 300; default value is 150.
 The minimum amplitude to detect a delta wave for an infant acquisition.

☑ Place a check in the box if you'd like to generate spectrum trends for EEG channel.

Hypopnea	Cardiac	Oximetry	Limb	Snore	Neuro	pН	General	
EEG Op	tions							
Delta An	nplitude Ad	dult:		75	uV			
Delta An	nplitude In	fant:		150	uV			
	um Analys erate spect	rum trends	for EEG	channel	s			
			for EEG	6 channel	s			
			for EEG	6 channel	s			

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.

The pH tab

Use this tab to configure the auto analysis parameters for pH detection:

- Set the Hysteresis value. The range is 0.0 14.0; default value is 4.75.
 Determines the end of a pH drop event. The pH must rise above this threshold to end the event.
- Set the Minimum Value. The range is 0.0 14.0; default value is 4.0.
 Determines the start of a pH drop event. The pH must fall below this threshold to start the event.
- Set the Minimum Duration value (seconds). The range is 0 600; default value is 1.
 Minimum duration for a pH event to be detected.

	Limb Snore	Neuro pH	General	
ypopnea Cardiac Oximetry				
pH Drop Detection				
Hysteresis:	4.75			
Minimum Value:	4.00			
Minimum Duration:	1	sec		

* Note: Screenshots are from the Sleepware G3 Software and Online Help.



The General tab

Use this tab to configure other analysis parameters:

 Set the Activity Threshold value (seconds). The range is 0 - 500uV; default value is 100uV.

This parameter specifies the activity threshold voltage used by the Standard analysis implementation when computing the actimetry channel for Alice PDx. Voltage on the raw actimetry channel must exceed the threshold voltage for a half second in order for activity to be present.

	Contine	Outine about	1 Carola	Casar	New all	General	
Hypopnea		Oximetry	Limb	Snore	Neuro pH	General	
Genera	l Options						
Activity	Threshold:		6	100	uV		
Restore De						ок	Cancel

CUSTOM EVENTS

Custom Events

The Custom Events Setup window allows you to add, modify, and delete a custom event definition.

To access the Custom Events Setup window:

- 1. Click the Configuration tab.
- 2. Double-click the Custom Events link.

The Custom Events Setup window opens. The options available under the tabs in this window are explained in the following sections.

There are four different custom event types:

- Duration Events Duration events allow you to click and drag on the raw data display to create the event.
- State Events State events can be used to mark a change in status in some part of the data. State events can be scored by selecting the event and state on the background context menu of the raw data display. The state events appear in the data markup channel
 - Instant Events Instant events can be used to mark an event whose duration is not important. Instant events can be scored by selecting the event from the background context menu of the raw data display. The instant events appear in the data markup channel.
 - Epoch Events Epoch events can be used to mark an event that affects an entire epoch. Epoch events can be scored by selecting the event from the background context menu of the raw data display. The epoch events appear in the data markup channel.

When adding/modifying an event, an additional window (specific to the event's type) is displayed with which you can set the event's properties.

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.



Sample Custom <u>Duration</u> Event

Duration Eve	nts State Events Inst	ant Events E	poch Events	3		·
Name	Color	Shortcu	t	Family		Add
UARS	Black			Respiratory		Modify
					50	Delete
	Custom Duration Ever	10				
	Event Name:	UARS				
	Event Color:	Blac	k		•	
	Shortcut Key:	None			•	
	Logical Family:	Respira	tory		•	
E	Conflicts with custom	events in sam	e logical fai	mily		
E	Conflicts with non-cus	tom events in	same logic	al family	к	Cancel
ared Optio				ОК Са	ncel	



Samp	le (Custom	State	Event

Duration Events	State Events Instar	nt Events Epoch Event	s		
Name	Color	Shortcut			Add
Supplemental O2	Dark Violet				Modify
	Custom State Ev	vent	Σ	3	Delete
	Event Name:	Supplement	ntal O2		
	Event Color:	Dark V	iolet 👻		
	Shortcut Key:	None	•		
	States				
52)	0.5 LPM 1.0 LPM		bbA		Cancel
	1.5 LPM 2.0 LPM		Modify	ОК	
Shared Options	2.5 LPM		Delete		
	3.0 LPM				
	3.5 LPM 4.0 LPM				
	4.5 LPM				
	5.0 LPM				
	5.5 LPM				
	6.0 LPM				
		OI	Cancel		

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.

Sample Custom Instant Event

Duration Ever	nts State Events Instar	nt Events Epoch Events	34 <u>44</u>
Name	Color	Shortcut	Add
PAC	Black		Modify
PVC	Black		Modily
			Delete
	Custom Instant I	Event 🔀	
	Custorn Instant		
	Event Name:	PAC	
	Event Color:	Black 🔻	
	Shortcut Key:	None	
	C		
		OK Cancel	
		ОК	Cancel
		OK	Cance

Sample Custom <u>Epoch</u> Event

Duration Event	s State Events Insta	nt Events Epoch Events	
Name	Color	Shortcut	Add
Alpha Intrusio	n Black		Modify
			Delete
		_	Delete
	Custom Epoch E	vent 🔀	
	Event Name:	Alpha Intrusion	
	NE 2 19 19 19 19 19 19		
	Event Color:	Dark Orchid	
	Shortcut Key:	None	
		OK Cancel	
	As		OK Cancel

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.

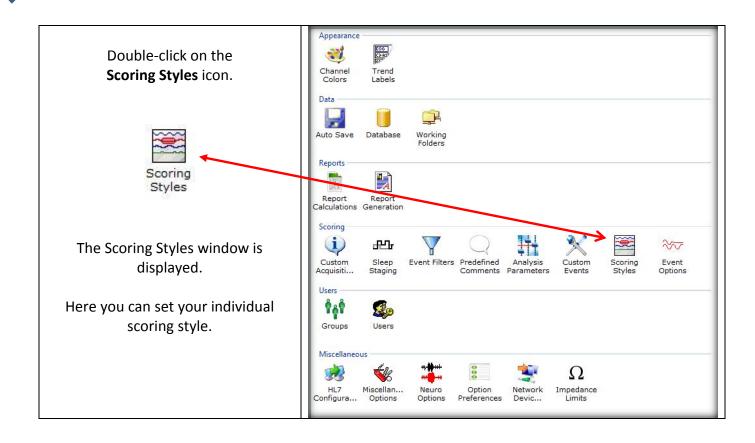


SCORING STYLES

• The <u>Scoring Styles</u> feature was designed to allow you to customize the functionality and appearance of scoring events so that manual scoring is optimized for the way you work, thereby increasing your productivity in the least amount of time.



To access the scoring styles: Click the Configuration tab, then...



* Note: Screenshots are from the Sleepware G3 Software and Online Help.

TO SET SCORING STYLES

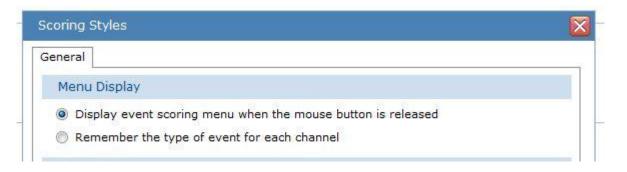
oring Styles	
eneral	
Menu Display	
Display event scoring menu when the mouse b	outton is released
Remember the type of event for each channel	
Menu Style	
🔘 Full Menu	
Ohannel-specific menu	
Channel for Event	
Oetermine channel for event when mouse but	ton is released
Determine channel for event when mouse but	ton is pressed
Moving between Events	
Jump to the next event of that type	
Jump to the next event (regardless of type)	
Keep the current event selected	
Event Selection	
If the event is partially off of the screen	
Leave the event where it is	
Center the event	
Marking Events	
Explain why events cannot be marked	
Show vertical black line while marking	
	OK Cancel
Specific Options	
opeente opuolis	

* Note: Screenshots are from the Sleepware G3 Software and Online Help.



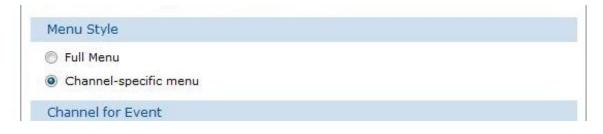
1. Select a Menu Display option.

- a) The <u>first</u> option means that each time you click-and-drag the mouse pointer along a channel's waveform and release the mouse button, a pop-up menu of events is displayed. You then click on an event in the list to mark it on the study.
- b) The <u>second</u> option is less manual. You only click-and-drag the mouse pointer along a channel's waveform and choose an event from the pop-up menu the first time on a channel. For all subsequent click-and-drag operations on the same channel, Sleepware remembers the event type initially selected and marks that same event type.



2. Select a Menu Style option.

- a) The <u>first</u> option displays the full menu of event types regardless of the channel you're on when you release the mouse button after dragging.
- b) The <u>second</u> option means that the pop-up menu only displays events related to the channel you're on at the time. For example, if you're currently on the ECG channel and the pop-up menu is displayed, it will only offer events relevant to ECG. However, these are also configurable by changing the selections under the **Menu** tab for the ECG channel. Refer to Event Options for details.



* Note: Screenshots are from the Sleepware G3 Software and Online Help.



3. Select a **Channel for Event** option.

This option determines how the software decides which channel to use when you drag across it.

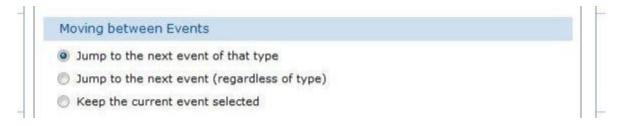
- a) The <u>first</u> option means that once you left-click and start to drag, the event is not marked until the mouse button is released, regardless of the channels crossed over (up or down). The highlight bar actually moves (up or down) with the mouse pointer.
- b) The <u>second</u> option, unlike the 1st option, means that once the left-click is made on a given channel, regardless of where the mouse pointer may move while it is dragged, releasing the mouse button marks the channel that was clicked on.

Channel for Event

- Oetermine channel for event when mouse button is released
- Determine channel for event when mouse button is pressed

4. Select the Moving Between Events option

- a) The <u>first</u> option causes Sleepware to automatically move the next event of the same type immediately following the event's validation (pressing the "+" key). Also, this option enables the **Tab** key to move from one event to the next event of the same type. The **Shift+Tab** moves between the same events but in reverse order.
- b) The <u>second</u> option causes Sleepware to immediately move to the next chronological event regardless of its type once the current event is validated. Also, this option enables the **Tab** key to move in chronological order from event to event regardless of the event's type. The **Shift+Tab** moves in reverse order.
- c) The <u>third</u> option prevents Sleepware from moving away from the initial event validated.



* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.

5. Select an **Event Selection** option.

Event Selection

If the event is partially off of the screen...

- Leave the event where it is
- Center the event

The 1st option causes Sleepware to leave the event where it is on the screen even if it runs partially off the current display area.

The 2nd option causes Sleepware to center an event when it is clicked on even if it is only partially displayed at the time.

6. Select a Marking Event option.

Marking Events

- Explain why events cannot be marked
- Show vertical black line while marking

The 1st option causes Sleepware to provide an explanation about why events cannot be marked. This is more helpful than seeing disabled events on the pop-up menu.

The 2nd option causes Sleepware to display a temporary vertical black line at the beginning and end of the time period used for marking an event.

7. Click **OK** to save changes and close the Scoring Styles window.

EVENT OPTIONS

The Event Options are <u>shared options</u> and can be changed by those that have permission to do so. These changes affect all users on all computers.

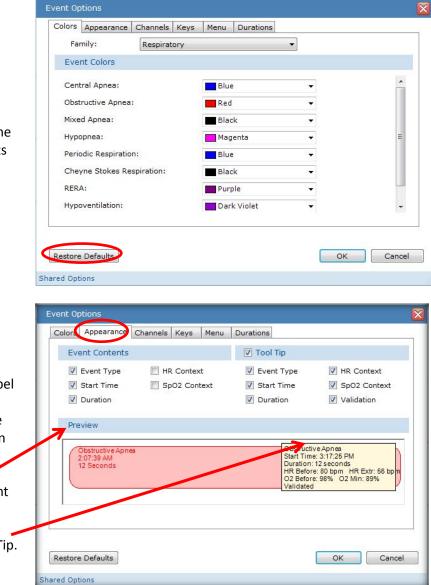
The event option window allows you to set the colors appearance of individual events within family event groups. You can also set attributes for event channels, keyboard shortcut keys for events, and the channel-specific menu structure for channel types and the duration for single-click scoring events.

The **Colors** Tab

Use this tab to assign colors to events.

Follow these steps to assign colors:

- Select a family of events from the Family drop-down list. All events associated with that family are displayed.
- 2. Select a color for each from the lists.



The **Appearance** Tab

This tab allows you to specify the attributes seen on an event marker/label and tooltip. As you select attributes, the example marker in the Preview area changes in real-time to reflect your selections.

You can select 3 attributes under Event Contents.

You can select 6 attributes under Tool Tip.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

The **Channels** Tab

Use this tab to specify/modify the rules by which events are displayed on channel types. Each row represents an event type and the default primary, secondary, and tertiary channel used for placing that event when scored.

Event		Primary Channel	Secon	dary	Tertiary	-	Modify
Centr	al Apnea	Flow	Flow		Effort		
Obstru	uctive Apnea	Flow	Flow		Effort	E	
Mixed Apnea		Flow	Flow		Effort	-	
RERA		Flow	Flow		Effort		
Hypopnea		Flow	Flow		Effort		
Periodic Respirati		Effort					
Cheyr	ne Stokes R	Effort					
Hypoventilation		CO2					
Hypercapnia		CO2					
Bradycardia		ECG	RR		Pulse Rate		
Tachy	cardia	ECG	RR		Pulse Rate		
Heart Rate Drop		ECG	RR		Pulse Rate		
Heart Rate Rise		ECG	RR		Pulse Rate		
Long I	RR	ECG	RR		Pulse Rate		
PTT D	rop	PTT	ECG		RR	+	

The **Keys** Tab

This tab allows you to associate hot keys with events. The legacy keys have been retained for those who have used earlier versions of Sleepware.

Follow these steps to view/change hot key associations:

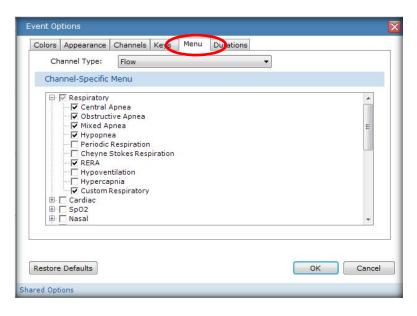
- 1. Select a **Family** of events from the list. All events associated with that family are displayed.
- 2. Select a 'hot key' for each from the lists that will represent the specific event.

Family:	Respiratory		•	
Shortcut Keys				
Central Apnea:		C	•	~
Obstructive Apnea:		0	•	
Mixed Apnea:		M	•	
Hypopnea:		Н	•	E
Periodic Respiration:		P	•	
Cheyne Stokes Respiration: RERA: Hypoventilation:		K	•	
		R	•	- 0.
		Y	-	
		07	0.00	

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

The **Menu** Tab

Use this tab to view/modify the channelspecific event menu definitions for each channel family. The events selected here affect the pop-up menu displayed while scoring.



The **Duration** Tab

Use this tab to view/modify the durations for events available for single-click scoring. Enter the desired value for the specific duration for a given single-click event type. Click **OK** to save your changes.

Colors Appearance Channels K	eys Menu Durations		
Single-Click Scoring			
Central Apnea:	10	seconds	^
Obstructive Apnea:	10	seconds	
Mixed Apnea:	10	seconds	
Hypopnea:	10	seconds	
RERA:	10	seconds	E
Tachycardia:	6	seconds	
Bradycardia:	6	seconds	
Leg Movement:	3	seconds	
Snore:	3	seconds	
•1 15 × 1 P			*





GROUPS

Groups can be created and used to grant or limit users to specific functions of Sleepware G3. Some examples of the permission categories (additional functions within each category) that you may allow or disallow access to include;

- Who can score acquisitions
- Who can Generate reports
- Who can Modify acquisition properties
- Who can Add and remove devices
- Who can Serve as Inter-Scorer Reliability administrator
- Who can Open acquisitions
- Who can Change acquisitions from/to any state (e.g.: New, Scoring, Scored, Verifying/MD Interp., Verified, Complete)
- Who can Modify configuration settings

You may create as many groups as are necessary for your practice. Any User which you add to a Group may also be added to other Groups depending upon you needs. For example, an acquisition Technologist may on other days perform scoring, so they may be part of your Acquisition and Scoring Groups. You may also consider a Group which consists of new or probationary Users. For example, while they may ultimately become an acquisition Technologist, you may wish to restrict certain privileges until they have completed required certifications or performance requirements in your facility.

Double-click on the group icon to see list of default groups. To add a group, select add. To modify or review the permissions of an existing group, highlight the group name and select modify.

Groups			
Group /	Description		Add
Global Administrator	Administrator that has all privileges		
Physicians	Physician Review of Acquisitions		Modify
Scorers	Score Acquisitions		Delete
		ОК	Cancel
Shared Options			14

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

Add a New Group

- 1. Click the Configuration tab.
- 2. Double-click on Groups.

The Groups window opens.

3. Click the Add button.

The New Group window opens.

- 4. Enter a Name for the group and a brief Description.
- 5. Select all Privileges that you want to apply to the new group and click OK.

Note: A dark check mark indicates the user has that privilege. A light gray check mark indicates at least one but not all child privileges are selected. Privileges for the Global Administrator group are all selected and not editable.

The new group is saved and the window is closed.

6. Click OK to save all group changes and close the Groups window.

In this example, we will add a 'Clerical' group and grant them limited access. When this user logs on, they will have access to the functions listed below:

Settings	
Name:	Clerical
Description:	
Privileges:	 ✓ All Privileges ✓ Score Acquisitions ✓ Generate Reports ✓ Modify Acquisition Properties
	Add and Remove Devices Inter-Scorer Reliability Admin Perform Acquisition Search Open All Acquisitions Change Acquisition from/to Any State
	 Modify All Configuration Settings Invoke All Tools Invoke Acquisition File Management Tool Invoke Clinical Results Query Tool Invoke Patient Entry Tool Invoke Physician Entry Tool

* Note: Screenshots are from the Sleepware G3 Software and Online Help.



Modify an Existing Group

1. From the Groups window select a group name and click the Modify button.

The Groups window opens. The window contains a **Settings** tab and a **Users** tab. The Settings tab is used to modify the group settings. The Users tab displays a list of all the users that belong to a particular group.

- 2. Edit the existing Name and Description text as needed.
- 3. Select/deselect the necessary Privileges and click OK.

The changes are saved and the window is closed.

4. Click OK to save all group changes and close the Groups window.

Delete an Existing Group

1. From the Groups window select a group name and click the Delete button.

A confirmation prompt is displayed. Note: You cannot delete a group if it is the only group associated with a particular user.

2. Click Yes to continue.

The group is deleted from the database.

3. Click OK to save all group changes and close the Groups window.

Groups		
Group /	Description	bbA
Global Administrator	Administrator that has all privileges	Add
Physicians	Physician Review of Acquisitions	Modify
Scorers	Score Acquisitions	Delete
		OK Cancel
ared Options		

*Do Not Delete the Global Administrator Group.



USERS



*Users must be created in order to utilize Interscorer Reliability.

Users

The Users window enables the Sleepware user management feature and add/modify Sleepware users. When Sleepware user management is enabled, Sleepware users must log in to the Sleepware application. Once Sleepware users are active, certain Sleepware features such as privileges and assignments are enabled.

If the Manage Users option is selected, the user management feature is enabled.

If the **Sleepware** option is selected when users are added, user names and passwords are created specific to Sleepware. Users must type in their Sleepware user names and passwords when Sleepware is launched. The Sleepware-specific user names and passwords are not the same as user names and passwords used with domain names associated with the user's computer.

		S
Security		
Manage users		
User Names		
 Sleepware Domain: 		٣
Username /	Email	Add
Acquisition Tech		Modify
G3Support Interpreting Physician		Delete
Scoring Tech		
		OK Cancel
Shared Options		

If the **Domain** option is selected when users are added, a list of domain names is presented to select from. Any domain name can be added as a Sleepware user. With this option, a separate Sleepware login is not required when launching Sleepware.

Users		
Security		
Manage users		
User Names		
Sleepware		
Oomain: code1.emi.	philips.com	•
Username /	Email	Add
Acquisition Tech		Modify
G3Support		Modily
Interpreting Physician		Delete
Scoring Tech		
		OK Cancel
Shared Options		

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

Add a New Sleepware User

- 1. Click the Configuration tab.
- Double-click on Users.
 The Users window opens.
- 3. Click the Add button.

The New User window opens.

- 4. Enter a User Name, Password, and E-mail address in the spaces provided.
- 5. Select one or more Groups to which the user belongs.
- Click the **Privileges** tab to view the privileges available to the user based on the selected groups. This is a read-only display.
- 7. Click OK to save the user and close the Users window.

New User	
Settings Privilege	85
User Name:	Jan
Password:	•••••
E-mail:	
Groups:	Groups
	 Global Administrator Scorers Physicians
	ОК Салсеі

Note: When a User is assigned to more than one Group, they "inherit" the combined permissions of the two Groups.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

Modify an Existing Sleepware User

- 1. Select a user name and click the **Modify** button.
 - The New User window opens.
- 2. Edit the user's information as needed.
- 3. Select/deselect one or more Groups to which the user belongs, as needed.
- Click the **Privileges** tab to view the privileges available to the user based on the selected groups. This is a read-only display.
- 5. Click OK to save the changes and close the Users window.

Delete an Existing Sleepware User

- 1. Select a user name and click the Delete button.
- A confirmation prompt is displayed.
- 2. Click Yes to continue.
- 3. The user is deleted from the database.
- 4. Click OK to save changes and close the Users window.

Users		E
Security		
V Manage users		
User Names		
SleepwareDomain: code1.emi.ph	ips.com	
Username /	Email	Add
Acquisition Tech G3Support Interpreting Physician Scoring Tech		Modify Delete
		OK Cancel
hared Options		

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

EDF Import



Sleepware G3 allows you to import an EDF data file from an external system.

To import an EDF file:

Select File > Import > External EDF Data from the main menu.

A File Open window is displayed.

Select the EDF file you want to import and click on the **Open** button.

The EDF Import window opens. Patient information is displayed at the top, and EDF channel information is listed at the bottom. The X icon signifies an EDF channel that has not been mapped to a corresponding Sleepware G3 channel. A check mark icon signifies an EDF channel that has been mapped to a corresponding Sleepware G3 channel.

Map the EDF channels to corresponding Sleepware G3 channels by clicking on an EDF channel, clicking on the **Modify** button, and selecting the corresponding Sleepware G3 Type, Specification, and Transducer information. Click **OK** to complete the mapping of the channel. Repeat the mapping until all channels have been mapped.

Click on the **OK** button to start the import process.

A progress bar is displayed during the import. Upon completion an acquisition is created in the integration working folder. The acquisition ID is based on the following naming convention: acq number-Edf-IP address of the importing computer. For example: 00000001-Edf-130.140.24.159. The acq number starts at 000000001 and increments by 1 with every EDF import.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

HL7 CONFIGURATION

э			
localhost	Port:	4400	
	ACKs from Service		
5 sec	Timeout:	5	sec
1	Retries:	1	
	5 sec	Iocalhost Port: ACKs from Service 5 sec	Iocalhost Port: 4400 ACKs from Service 5 sec Timeout: 5

HL7 Configuration

HL7 is a structured protocol that is used as a means of communicating and passing patient data between healthcare applications. HL7 is a messaging format that is independent of its transport method. However, it is typically used in a client/server environment for employing some form of a point-to-point protocol. The Respironics HL7 Service provides two main functions: Receive an HL7 message with patient information (demographics) for populating data in the database, and receive an HL7 message with the outcomes of a sleep study and forward it to another HL7 system.

You must have Administrator rights to perform this task.

The Philips Respironics HL7 Service is a Windows service that runs in the background without a user interface available for interacting with it. The service communicates with a customer's HL7 system and with Sleepware by exchanging HL7 messages over a TCP socket.

Note: The Respironics HL7 Service requires the installation of Microsoft's .NET 2.0 Framework. If the .NET 2.0 Framework is not installed on the Sleepware computer, the HL7 functionality is disabled.

The HL7 Configuration window allows you to configure the parameters Sleepware uses when communicating with the Philips Respironics HL7 module. An administrator should configure the parameters before the service starts sending and receiving HL7 messages.

***** Note**: HL-7 is an optional customized implementation. Please consult with your Sales Specialist for options and pricing.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

MISCELLANEOUS OPTIONS

The **Miscellaneous Options** window allows you to establish parameters to be used in the following categories:

- General settings: height/weight units, pressure level units, start page settings, multiple instance mode, encryption, and filtering in sweep mode
- AASM settings: sleep staging, reference electrodes, EOG referencing, logging
- EDF settings: EDF raw data file durations
- Scrolling options: mouse wheel controls, smooth online scrolling, offline scoring speed, scroll thumb control

To set the miscellaneous options:

- 1. Click the Configuration tab.
- 2. Double-click the Miscellaneous Options link.

The Miscellaneous Options window opens. The options available under the tabs in this window are explained in the following sections.

Miscellaneous Options	×
General AASM Settings EDF Settings Scrolli	ing
Height/Weight Units	Pressure Level Units
english	emH2O
Metric	💿 hPa
Start Page Settings	Filtering in Sweep Mode
Recently Acquired Acquisitions Period:	Filter Warmup Time:
0 days	10 seconds
	014.00
ICD Code Type	Other
ICD 9	Display Splash Screen
ICD 10	Multi Instance Mode
	Encrypt patient data in files
	OK Cancel
User Specific Options	

* Note: Screenshots are from the Sleepware G3 Software and Online Help.



The General tab:

Use this tab to assign shared options.

- a. Select English or Metric height/weight units. English is the default.
- b. Enter the number of days for which you want to display acquisitions in the **Recently Acquired Acq**uisition Period for the Start Page. The allowable range is 0-10,000, and the default value is 2.
- c. Select the applicable ICD Code Type: ICD 9 or ICD 10. The default is ICD 9.
- d. Select **cmH2O** or hPa pressure level units. The default is cmH2O.
- e. Enter the number of seconds for **Filter Warmup Time**. The allowable range is 0-30 seconds with 12 seconds as the default.
- f. Signal filters can be applied to the waveforms displayed by Sleepware G3. These signal filters are recursive digital filters where the first output samples contain transient activity that is not physiological and which should not be displayed. The warm-up time is the amount of off-screen data that is passed through the recursive filter before displaying a filtered epoch. Stated another way, using the default setting for Filter Warm-up Time, when a signal filter (i.e., lowpass, highpass, QRS) is applied in sweep mode, 12 seconds of data immediately prior to displaying the epoch were passed through the filter before drawing the first sample at the left of the screen.
- g. Select the **Display Splash Screen** option if you want to see the Sleepware G3 splash screen displayed each time Sleepware G3 starts. It is enabled by default. You may want to turn it off when using a remote desktop.
- h. Select the **Multiple Instance Mode** option if you want to view acquisitions from multiple Alice base stations connected to the same computer. After selecting the option you must restart Sleepware in order for this to take effect. Upon restart, select a device (if more than one is available) to be "bound" to the current instance of Sleepware. In this mode you will not be able to add devices.
- i. Select the **Encrypt patient data** in files option to increase security of patient and physician data by encrypting the files stored on the computer. The RML file associated with each acquisition is encrypted.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

The AASM Settings tab

This tab allows you to configure various options related to the AASM (American Academy of Sleep Medicine) Manual for the Scoring of Sleep and Associated Events.

- a. In the Sleep Staging group, choose either R & K or AASM. The default is AASM. This setting affects the sleep stage nomenclature that is displayed and reported.
- b. In the Reference Electrodes group, choose either A1/A2 or M1/M2. The default is M1/M2.

AASM requires the use of the M1/M2 reference electrodes. Traditionally, Alice systems have utilized A1/A2. When set to M1/M2, Sleepware provides the ability to use the M1/M2 electrodes in the Alice PDx Configuration Builder, and when adding an EEG channel.

For installations requiring the AASM standard, M1/M2 should be selected.

c. In the EOG Referencing group, choose either Alice native or AASM (always M1/M2). The default is AASM (always M1/M2).

When selected, Sleepware will re-reference EOG channels so the common reference A2/M2 is utilized. This is needed for most Alice device configurations since the EOG channels utilize A1/M1 and A2/M2 as their references. When the EOG channels have been re-referenced to the AASM standard, an information balloon appears in the EOG channel labels with the state of "Derived." If this symbol does not appear, the channels were not re-referenced and are using the native Alice EOG re-referencing that was configured.

Note: When configuring an Alice 5/Alice 6/Alice LE acquisition, the sampling frequency for EOG and EEG needs to be identical for any EOG re-referencing to occur.

d. In the Logging group, select Session Logging if you want to record view options and signal filters used during real-time acquisitions and when scoring is done in post-acquisition mode. By default, this option is not selected. The combination of workspaces and session logging allows the user to recreate the display environment used for online acquisition and offline scoring. The workspace provides the initial layout for a particular session and the session log can used to observe any key changes possible made to the workspace.

Miscellaneous Options	
Genera AASM Settings DF Settings S	Scrolling
Sleep Staging	EOG Referencing
© R & K ⊚ AASM	Alice nativeAASM (always A2/M2)
Reference Electrodes	Logging
 A1/A2 M1/M2 	Session Logging

The EDF Settings tab

 Choose to either create Alice 5/Alice 6/Alice LE studies in 5-minute, 1-hour EDF files or a single EDF file (Entire study option).

This setting does not apply to Alice PDx and combined studies.

Miscellaneous Options		
General	AASM Settings EDF Settings Scrolling	
EDF R	Raw Data File Duration	
🔘 <mark>5</mark> n	minutes	
◎ 1 h	hour	
C Ent	tire study	

* Note: Screenshots are from the Sleepware G3 Software and Online Help.



The Scrolling tab

- a. In the Mouse Wheel group, choose either Scroll one page or Scroll seconds and type the number of seconds you want Sleepware to scroll in the space provided. The default is Scroll one page.
- b. In the Real Time Display Mode group, there are two real-time options available: Sweep or Scroll. The Sweep option displays a sweep line that moves from left to right. Click the Thick check box to make the line visibly thick, and choose a color for the line from the drop-down list. The Sweep option is the default. You can configure the color of the sweep line and whether the line is thin or thick.
- c. The Scroll option scrolls the data horizontally from right to left. If you select the Smooth option, the display will scroll without hesitation. If not selected, the display scrolls in 1 second intervals.
- d. In the Scrolling Speed group, left-click on the speed indicator and drag it to the desired speed. This setting is used when the automatic forward or reverse scrolling feature is used in offline mode.
- e. In the Scroll Thumb group is the option to Snap to epoch boundary. This applies to the raw data and trend views. If the option is checked and the zoom level is 30 seconds or greater, releasing the scroll thumb control while dragging it causes the left edge of the view to be epoch-aligned. If the option is not checked, the left edge of the view will be at the exact time displayed in the tool tip.
- 3. Click OK to save changes and close the window.

eral AASM Settings EDF Settings Scr	olling
Nouse Wheel	Scrolling Speed
 Scroll one "page" Scroll seconds 	Slow Fast
Real Time Display Mode	Scroll Thumb
 Sweep Light Blue Thick Scroll Smooth 	Snap to epoch boundary

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

NEURO OPTIONS

Neuro Options	Neuro Options	
The Neuro Options window lets you view/modify neuro options at the application level.	Neuro Channel Ratio: IV Neuro Channels Reference Scale: 75	/ mm
To modify the neuro options:	EEG Channel Polarity	
 Click the Configuration tab. Double-click the Neuro Options link. The Neuro Options window opens. 	 Negative Up Positive Up OK Car 	
 Enter a value for the Neuro Channel Ratio. The range is 0-500; the default is 12.5. 	Shared Options	icei
 Enter a value for the Neuro Channels Reference Scale. The range is 0-300; the default is 75. 		
 Choose Negative Up or Positive Up. The default is negative up. 		
6. Click OK to save changes.		

OPTIONS PREFERENCES

Option Preferences

The Option Preferences window allows you to select whether an application option is shared or user specific. Shared options are stored in the folder designated by the Shared Options Location. Typically, this would be a shared network drive. User-specific options are stored locally on the computer.

To set the option preferences:

- 1. Click the Configuration tab.
- 2. Double-click the Option Preferences link.

The Option Preferences window opens.

3. (Optional) Click the Browse button to change the Shared Options Location, or accept the default location.

or

- 4. Select an option (from either side) then click the list or the User Specific Options list.
- 5. Click OK when finished.

hared Options Location:	\\sleepserver2008\Sleepwa	re G3\SharedOptions		Browse
Shared Options		User Specific Options		
Analysis Parameters Auto Save Custom Events Custom Acquisition Properties Event Filters Event Options Ω Impedance Limits Neuro Options Predefined Comments Report Calculations Report Generation © Trend Labels Working Folders	(*)	Scoring Styles PS Sleep Staging Kiscellaneous Options Channel Colors	OK	Cancel

button to move the option to either the Shared Options

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

NETWORK DEVICE SETUP

Use the Network Device Setup window to modify the Alice device to which Sleepware is communicating.

Modify a Device

- Double-click on Network Device Setup under the Configuration tab. The Modify Device window opens.
- 2. Select a Device Type by clicking on it and then click the Modify button.

The Modify Device window opens.

Modify Device					×
Serial Number	IP Address	Friendly Name	Version	Owner IP	
A5BS09029	130.140.254.250	A5BS09029	1.8.0	130.140.254.79	
	na in the state of the state of the state of the	ALC: NOT: NOT ALC: NOT			
Device was not a	utomatically found. Man	ually modify device.			
Refresh				Modify	Close
Shared Options					

3. If the device you are looking for is not listed, click the **Device was not automatically listed** check box, then click **OK** to add it.

The Add Device details window opens.

- a. Enter a Device name (which is also the Friendly Name displayed on the Add Device window).
- b. Enter the IP address of the device.
- c. Enter the Subnet mask for this address
- d. Enter the Default gateway address.
- e. Select the appropriate Owner IP address for your computer from the list.
- f. Click OK to save changes and return to the previous window.
- 4. If the device you are looking for is listed, select it and click OK to add it.

Modify Device	
Device name:	Room 1 LDX109029
Network Settings	
IP address:	130.140.254.250
Subnet mask:	255.255.254.0
Default gateway:	130.140.254.98
Owner IP address:	130.140.254.79 👻
	OK Cancel

* Note: Screenshots are from the Sleepware G3 Software and Online Help.



STATE MANAGEMENT

The State Management window allows you to manage the states assigned to acquisitions. States allow acquisitions to be tracked as they progress through a work flow. Every acquisition in Sleepware G3 has a state, which is stored in the RML file. The state is also stored with the acquisition in the database, and it can be used as a filter in various queries within Sleepware G3.

In addition to the states themselves, Sleepware G3 provides a set of privileges and rules that are related to states. State-related privileges apply to the different user types and include those that pertain to opening an acquisition in a specific state, changing the state of acquisition from/to specific states, and allowing users to score acquisitions. State-related rules restrict updates to acquisitions unless they are in a certain predefined state.

General Settings Manage States Use Custom States Enforce state-related privileges Prompt to update acquisition status when closing acquisition Define States Choose the states that should be included in your process flow and assign each a name. Note that states "New" and "Completed" must always be present in the process flow. Predefined State Predefined State Name Ivelow New
 Use Custom States Enforce state-related privileges Prompt to update acquisition status when closing acquisition Define States Choose the states that should be included in your process flow and assign each a name. Note that states "New" and "Completed" must always be present in the process flow. Predefined State
 Enforce state-related privileges Prompt to update acquisition status when closing acquisition Define States Choose the states that should be included in your process flow and assign each a name. Note that states "New" and "Completed" must always be present in the process flow. Predefined State
 Prompt to update acquisition status when closing acquisition Define States Choose the states that should be included in your process flow and assign each a name. Note that states "New" and "Completed" must always be present in the process flow. Predefined State
Define States Choose the states that should be included in your process flow and assign each a name. Note that states "New" and "Completed" must always be present in the process flow. Predefined State Predefined State
Choose the states that should be included in your process flow and assign each a name. Note that states "New" and "Completed" must always be present in the process flow. Predefined State Predefined State Name
each a name. Note that states "New" and "Completed" must always be present in the process flow. Predefined State Predefined State
New New
INCAN INCAN
Scoring
Scored Scored
Verifying
Verified interpreted
Completed
OK Cancel

When setting up state management, there are two basic choices:

- Custom states
- Predefined states

Custom states are for installations that want to have the most flexibility in defining the workflow for the lab. With custom states, there are no state transition rules or privileges. Any user can set an acquisition to any state at any time.

Predefined states should be used for installations that wish to utilize state related privileges and rules. With this option, Sleepware G3 provides a set of predefined states.

State management options can be shared or user-specific. The shared versus user-specific behavior can be changed in the Options Preferences window. If the state management options are shared, they can only be changed by users that have the "Modify State Management Options" privilege.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

^{*} Disclaimer: Screenshots may change based on software version.



General Settings

- 1. Select the Manage States option if you want Sleepware G3 to manage acquisition "states":
 - a. Use Custom States Selecting this option enables you to establish and use up to five custom states.
 - b. **Enforce state-related privileges and rules** This option tells Sleepware G3 to enforce the use of state-related privileges. This option is not available when using Custom States.
- 2. Select whether to **Prompt to update acquisition status when closing an acquisition** by clicking the associated check box.
- 3. The Define States area behaves differently if you are using custom or predefined states.

For custom states, the window displays the New state, five custom states, and the Completed state. The New and Completed states are required; however, you can select any number of the custom states to use. You can also specify the name of the each custom state.

For predefined states, the window displays the following predefined states:

- New An acquisition starts out in the New state.
- Scoring Used by sleep technicians, lab managers, and physicians who want to make changes to the acquisition. Only acquisitions in the Scoring state can be modified. Scoring can only be done by users that have the "Score Acquisitions" privilege. This privilege is not related to states. It is a general purpose privilege whose purpose is to prohibit some users from ever scoring an acquisition. For those users who do have the "Score Acquisitions" privilege, scoring is always allowed if state-related privileges are not being enforced. If they are being enforced, the acquisition can only be scored when the acquisition is in the Scoring state, except for one exception: If the Scoring state is not configured, an acquisition can be scored in any state, regardless of whether state-related privileges are being enforced. If the enforcement of states is in effect and the Scoring state is configured, any attempt to change the scoring will display an error message.
- **Scored** Once an acquisition has been initially scored, it should be placed in the scored state. This means it is ready for review.
- **Verifying** This state indicates the acquisition is currently under review. During the review, if the acquisition needs to be modified, the reviewer would need to set the state back to scoring.
- **Verified** This state indicates the acquisition has been reviewed/verified and is ready to be set to the completed state.
- **Completed** This state indicates all activities have been completed for the acquisition.

The New and Completed states are required, however you can select any number of the predefined states to use. You can also specify the name of each predefined state. When changing the name of the predefined states, the new name of the state should reflect the general meaning of the predefined state. For example, if your installation uses the term "Reviewing" rather than "Verifying", you may wish to modify the name of the Verifying state to "Reviewing".

By default, all six predefined states are configured and their default user names match the state name. Therefore, by default, if state management is enabled, the exact same states with the exact same names are available.

* Note: Screenshots are from the Sleepware G3 Software and Online Help. * Disclaimer: Screenshots may change based on software version.

TECHNICIAN NOTES

To view the Tech Notes that were entered for an acquisition, select **File > Technician Notes** from the main menu. The Technician Notes prompt windows and summary window are not displayed on Read-Only computers.

Technician Notes

The Technician Notes feature provides prompts that are presented to the operator in a pop-up window during the study at a configurable pre-determined frequency. The technician must respond to each prompt by either entering a response to the prompt or by clicking the **Cancel** button.

CONFIGURING TECH NOTES

- 1. Click the **Configuration** tab.
- 2. Double-click the **Technician Notes** link. The Technician Notes Configuration window opens.
- 3. Select the Enable technician notes option to enable this feature. Once selected, the other options in the window become available for configuration.
- 4. (Optional) The default time at which the technician is prompted is 60 minutes, but you can change that by entering a different value.
- 5. Several default prompts are already provided. To change an existing prompt, select it and click **Modify.** The Technician Notes Prompt Item window is displayed.
- 6. Edit the text as needed, and click **OK** to save your changes.
- 7. To add a new prompt, click the Add button. The Technician Notes Prompt Item window is displayed.
- 8. Enter the new prompt text, and click **OK** to save your changes.
- 9. To delete an existing prompt, select the prompt and click the **Delete** button.
- 10. To reorder the list of prompts, select a prompt and click the **Up** and **Down** buttons as needed to reorder the list.
- 11. When finished modifying the list of prompts, click the **OK** button to save your changes and close the window.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.



Technician Notes Configuration	
☑ Enable technician notes	
Prompt technician every 60 minutes	
Prompt Item	👍 Up
Body Position	- Down
Sleep Stage	
SpO2 Heart Rate	-
Therapy	
Comments	
	Add
	Modify
	Delete
ок	Cancel
Shared Options	

Technician Notes Prompt - 00020029-A	5BS09029	X
Body Position		
Sleep Stage		
SpO2		
Heart Rate		
Therapy		
Comments		
	OK Cancel	

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

echnician N	lotes	
Time	Duration	Status
3:59 PM	0:01:16	Completed
4:01 PM	0:00:16	Canceled
4:03 PM	0:02:00	Timed Out
4:05 PM	0:02:00	Timed Out
4:07 PM	0:02:00	Timed Out
4:09 PM	0:02:00	Timed Out
4:11 PM	0:02:00	Timed Out
4:13 PM	0:02:00	Timed Out
4:15 PM	0:00:01	Canceled
Body Positio	n	right
Sleep Stage		wake
SpO2		97
Heart Rate		42
Therapy		none
Comments		restless
		Print Close

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

IMPEDANCE LIMITS

Impedance Limits

Measured impedance values for the EEG, EOG, EMG, leg EMG and ECG channels can be displayed in Online and Offline view for Alice base station acquisitions.

The impedance values are used to evaluate signal quality resulting from electrode installation. When enabled, the channel impedance quality is displayed with a colored bar in the channel label that is based on user-configurable impedance thresholds.

Optionally, you can display the actual impedance values in the channel label: Select **View > Impedance Values** from the main menu bar. Note that the values are based on the currently selected time scale. For example, as you change time scales from 15 seconds, 30 seconds, 60 seconds, etc., the values always represent the average channel impedance relative to those time scales.

Note: Impedance color bars are not displayed for Alice LE acquisitions in real-time or offline views. Only the optional impedance values in the channel label are available for Alice LE.

To set the impedance limits:

- 1. Click the Configuration tab.
- Double-click the Impedance Limits link. The Impedance Limits window opens.
- 3. Configure the Low and High values for the following:
 - EEG/EOG. Defaults are 15 (low) and 15 (high).
 - EMG. Defaults are 15 (low) and 30 (high).
 - Leg EMG. Defaults are 30 (low) and 60 (high).
 - ECG. Defaults are 30 (low) and 60 (high).
- 4. Click OK to save changes and close the window.

The configured thresholds define three levels of impedance quality:

Level	Channel Label Color Code	Condition	Meaning
LOW	Light green	Value less than or equal to low threshold	The impedance is considered to be of good quality
MEDIUM	Dark green	Value is between low and high thresholds	The impedance is considered to be of medium quality
HIGH	Red	Value is greater than or equal to threshold	The impedance is considered to be of bad quality

Note: The numerical impedance values shown in the raw data waveform window are based on the same color codes.

	Low (kOhm)	High (kOhm)
EG/EOG:	5	15
1G:	15	30
g EMG:	30	60
CG:	30	60

* Note: Screenshots are from the Sleepware G3 Software and Online Help.





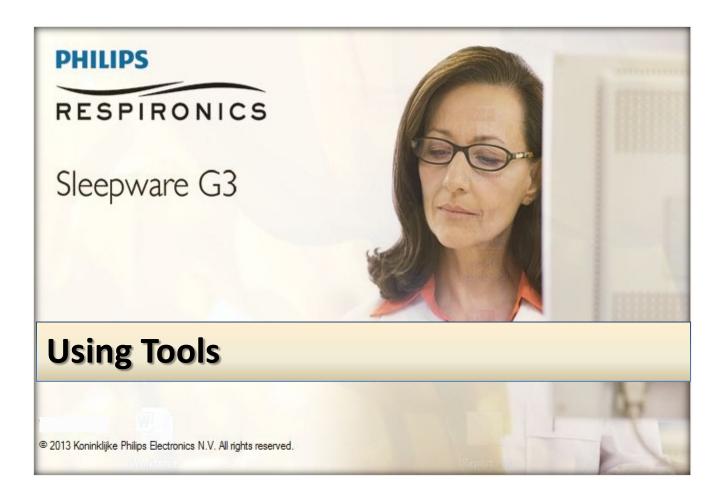
Consult the manual for additional information.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

* Disclaimer: Screenshots may change based on software version.

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G3 Training Module



* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.

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Acquisition File Management

Video Tools Workspaces Window Help ASBS0 Acquisition File Management S Clinical Results Query Database Administration Patient List Physician List

From the Main Menu, click on Tools to display a dropdown menu of options.

The Acquisition File Management window allows you to search for, then copy, move, or archive existing acquisition files to user-specified locations. The source folder for this operation must be a Sleepware G3 working folder.

	agement								
cquisition File Man	agement								
Search By									
ast Name:				From Date:	January (01, 1980		🔍 Sear	ch
Acquisition State:	All		-	To Date:	March (05, 2012		2	
Assigned To:	All		•]						
Vorking Folder:	C:\Philips Respironics\S	Sleepware G3\Acq	uisitions 🔻						
s s v fra se		Tour ton		Transform transform	Taux onna	1,000 30	T Secolar	1.96 55 8626	Technologia and and and and and and and and and an
Acq Num / Devic	ce Last Name	First Name	Birth Date	Patient ID	Acq Date	Duration	State	Assigned To	Interpreting Phys. Ref
	0			Sele	ection size: 0.0	мв			All 🖉 None
Operation	0			Sele	ction size: 0.0	мв			
Operation arget Location:	0 ne target location cannot b ee space on target drives i	e on an optical dis Unknown	ik device such as a			мв			
Operation arget Location: Th Fre	ne target location cannot be	Unknown	sk device such as a			МВ		•	
Operation Farget Location: Th Fro © Copy the select	ne target location cannot b ee space on target drive: I	Unknown	ik device such as a			мв			
Operation arget Location: Th Fre © Copy the select Exclude	ne target location cannot b ee space on target drive: l ted acquisitions to the targe	Unknown et location				мв			
Operation arget Location: Th From Copy the selector Exclude Copy only the s	ne target location cannot b ee space on target drive: l ced acquisitions to the targe : Video Files	Unknown et location l acquisitions to the				мв			
Operation Farget Location: Th From Copy the selector Exclude Copy only the s Move the selector	ne target location cannot b ee space on target drive: l ced acquisitions to the targe : Video Files :coring files of the selected	Unknown et location l acquisitions to the et location	e target location	a CD, DVD or Blu-		МВ		•	
Operation Farget Location: Th Farget Location: Th Generation Copy the select Copy only the select Archive the select Copy only the sele	ne target location cannot b ee space on target drive: I ced acquisitions to the targe Video Files scoring files of the selected ced acquisitions to the targe	Unknown et location l acquisitions to the et location	e target location	a CD, DVD or Blu-		мв		-	
 Copy the select Exclude Copy only the s Move the select Archive the select Exclude 	ne target location cannot be es space on target drive: I red acquisitions to the targe Video Files coring files of the selected red acquisitions to the targe sected acquisitions to the targe	Unknown et location l acquisitions to the et location rget location and a	e target location	a CD, DVD or Blu-		мв			
Operation Target Location: Th Th Copy the select Copy only the select Archive the select Exclude Exclude	he target location cannot be es space on target drive: I video Files coring files of the selected ced acquisitions to the targe seted acquisitions to the targe	Unknown et location l acquisitions to the et location rget location and a	e target location	a CD, DVD or Blu-		MB			

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.

To Search for Acquisition Files, you may select any or all of the following:

Enter a full or partial name in the Last Name box.

Note: You can also use a wildcard character ("*") to represent any number of characters within the name. Some examples for the name "Johnson" include "Jo*n", "Jo*"/ and "*son".

Select an Acquisition State from the list.

Select a From Date from the list.

Select a **To Date** from the list.

Select an applicable Sleepware user from the Assigned To list.

Select a folder from the **Working Folder** list.

Click the **Search** button.

Search By										
Last Name:			Ŭ.	From Date:	January	01, 1980		Q Searc	1	
Acquisition State:	All		*	To Date:	March	05, 2012				
Assigned To:	All		•							
Working Folder:	C:\Philips Respironics\	Sleepware G3\Acc	uisitions 🔻							
Acg Num / Devic	ce Last Name	First Name	Birth Date	Patient ID	Acg Date	Duration	State	Assigned To	Interpreting Phys.	Ref

All acquisitions satisfying the search criteria are listed below the drop-down lists.

The list consists of all the acquisitions meeting the search criteria.

Acquisitions that have been previously archived are not shown.

You can sort the results, in ascending or descending order, by clicking on the column headings.

Acquisition File Ma Search By	nagemer	ıt									
Last Name: Acquisition State: Assigned To: Working Folder:	Mcquin All All C:\Ph		Sleepware G3\Acq	▼ ▼ uisitions ▼	From Date: To Date:	January 01 March 05	, 1980 5, 2012	•	🔍 Search		
Acq Num / Dev	ice S18964	Last Name Mcquire	First Name Millard	Birth Date 1/20/1944	Patient ID J1638742	Acq Date 5/11/2011	Duration 7:00:25	State New	Assigned To mike	Interpreting Phys.	Ref

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

To Manage Acquisition Files:

Search By							
.ast Name:	McQuire				From Date:	January 01	, 1980
Acquisition State:	All			•	To Date:	March 05	5, 2012
Assigned To:	All			-			
Vorking Folder:	C:\Philips Re	spironics\	Sleepware G3\Acq	uisitions 🔻			
Acq Num / Devi	ce Last	Name	First Name	Birth Date	Patient ID	Acq Date	Duratio
00020005 A5B	518964 Mcqi	uire	Millard	1/20/1944	J1638742	5/11/2011	7:00:25

Select the **Target Location**: You can select an existing Sleepware G3 working folder via the list. If you do not want to use a working folder as the target you can enter the path to a destination folder in the Target Location box, or click the **Browse** button to navigate to the destination folder.

*The target location cannot be on an optical disk such as a CD, DVD or Blu-ray.

If you want to move/copy/archive acquisition files directly to an optical drive, refer to <u>Using Microsoft Windows</u> to Copy Acquisition Files to CD/DVD for that function after you have collected your acquisitions in the designated target location using Acquisition File Management.

Selected acquisitions: 0	Selection size: 0.0 MB	All None
Operation		
Target Location:	D, DVD or Blu-ray drive.	▼ Browse 🔇
Archive the selected acquisitions to the target location and apply the following (or	otional) label:	
Exclude Video Files		
Delete Video Files from the selected acquisitions		
Delete acquisition files		
		Continue
0 acquisitions	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	(DVC) YEA W////(K////////////////////////////////

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.



To Select a Copy or Move Option:

Copy the selected acquisitions to the target location: Puts a copy of the selected acquisitions in the target location and does not delete the original files. You can also choose to **Exclude Video Files** associated with the acquisition.

Copy only the scoring files of the selected acquisitions to the target location: Copies only the scoring files associated with the selected acquisitions, not the acquisition files.

Selected acquisitions: 0	Selection size: 0.0 MB	All 🖌	V None
Operation			
Target Location:		Browse	8
The target location cannot be on an optical disk device such as a CD, DVD or Free space on target drive: Unknown	Blu-ray drive.		
Opy the selected acquisitions to the target location			
Exclude Video Files			
Copy only the scoring files of the selected acquisitions to the target location			
Move the selected acquisitions to the target location			
O Archive the selected acquisitions to the target location and apply the following (optional) la	bel:		
Exclude Video Files			
Delete Video Files from the selected acquisitions			
Delete acquisition files			
		Continue	Close
0 acquisitions	xaa.m		N Leek (avg)

Move the selected acquisitions to the target location: Copies the selected acquisition files to the target location, then deletes the originals after the copy.

Archive the selected acquisitions to the target location and apply the following (optional) label: Copies the selected acquisition files to the target location, then deletes the originals after the copy. This function also adds a user-specified archive label and computer-generated archive date to that acquisition's record in the database. By default, an acquisition that has an archive label and date in the database does not appear when searching for acquisitions. You can also choose to **Exclude Video Files** associated with the acquisition.

Delete video files from the selected acquisitions: This option allows you to delete multiple video files at once.

Click **Continue** to perform the selected operation. A confirmation prompt is displayed showing the desired operation and the number of acquisitions.

Acquisi	tion File Management		\mathbf{X}
?	Operation to perform: O Are you sure that you v Yes	Copy Selected acquis vant to proceed?	sitions: 1

Click Yes to continue.

A status window opens indicating the status of the operation for each acquisition.

^{*} Note: Screenshots are from the Sleepware G3 Software and Online Help.

^{*} Disclaimer: Screenshots may change based on software version.

Using Microsoft Windows to Copy Acquisition Files to CD/DVD

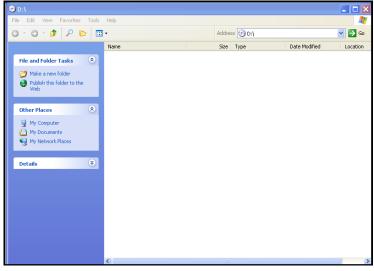
A CD or DVD can be used to archive a single acquisition or a small set of acquisitions.

To copy acquisition files to CD or DVD:

 Place a writable CD or DVD into your computer's recording drive. A drive window opens.



2. Highlight the **Open writable CD folder using Windows Explorer** option and click **OK**. A Windows Explorer window opens for the DVD and shows no contents in it.



 Open My Computer (click Start > My Computer > select the hard drive containing the acquisition files to copy). Alternatively, if you want to copy a single acquisition directly to CD/DVD, right-click on the acquisition in your start page and select the Explorer Selections option. This opens Microsoft Windows Explorer automatically with the acquisition folder preselected. A Windows Explorer window opens.

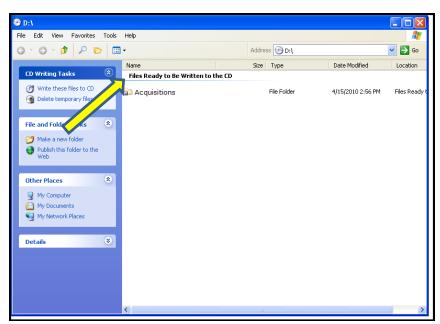
* Note: Screenshots are from the Sleepware G3 Software and Online Help.

- 4. Click on the file or folders you want to copy to the DVD. To select more than one file hold down the CTRL key while you click the files you want.
- Under Files and Folder Tasks, click Copy this folder. A Copy Items window opens.



 Click on the recording drive (D in this example) and click Copy.

> The files/folders are copied to a temporary area where they are held before they are copied to the DVD. Verify that the files/folders you intended to copy appear under the **Files Ready to be Written to the CD** heading.



* Note: Screenshots are from the Sleepware G3 Software and Online Help.

7. Under CD Writing Tasks, click Write these files to CD. Windows then displays the CD Writing Wizard.



- 8. Change the **CD name** if you wish and click **Next**.
- 9. Follow the instructions in the wizard.

When the process is finished, the last page of the wizard displays a check box that enables you to create another CD like the one you just made.

Clinical Results Query

The Clinical Results Query window allows you to query the acquisition list in the database. You can create any number of custom queries using this tool.

To create a query:

1. Click the **Add** button. The Clinical Results Query Builder window is displayed.

Queries	
Queries	
Query Name 1	🖌 Execute
	Add
	Modify
	Delete
Query Description	

- 2. Enter the Query Name and the Query Description.
- 3. The window has several tabs that contain data items that can be used to filter the query. To add a filter item to the query, select the check box next to the item.

Once an item is checked, the query filter fields are activated:

- Selection List A selection list allows you to select the data value to be used in the query from a list.
- Operator Selector The operator selector includes the following operators: "=", "!=", "<", "<=", ">" and ">=" "Between". Select the operator to be used in the query. If you selected "Between" you can then enter low and high range values separated by a space. For example, choose Between, then enter 10 20, meaning between 10 and 20.
- Text Entry Field Typically, there is a text field next to an Operator Selector. The text field is used to enter the value associated with the operator chosen. There are cases where a text field does not have an Operator Selector, but has a Select button. The Select button can be used to select an item to fill in the text field, or you can manually enter text into the field.

Clinical Results Query Builde	:	×
Query Name:		
Query Description:		
Patient Acquisition Clinical	Diagnosis Physicians	
Gender		
Patient Type	3	
Age	years	
Gestational Age	weeks	
🔲 Height	· inches	
Weight	v lbs.	
BMI	→ Ib/in²	
Result Columns	ок	Cancel

- 4. Once you have selected the query filter items, you can then specify the data (columns) to be included in the query results by clicking the **Result Columns** button. The Clinical Results Query Columns window is displayed.
- 5. Select the applicable data columns to include in the query results.
- 6. You can reorder the columns by selecting a column and clicking the **UP** and **Down** buttons to move the column in the list.
- 7. Click **OK** to close the Clinical Results Query.
- 8. Click **OK** again to save the query.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

To execute a defined query:

- 1. Select a query in the list of queries.
- 2. Click the **Execute** button.
- 3. All of the query conditions that have been selected are used to query the database. Any acquisition in the database that satisfies every query condition defined will be displayed in the Query Results area.
- 4. A column will appear for every query condition selected. The query list can be sorted by clicking on the applicable column heading.
- 5. If you want to save the query results to a CSV file, click the **Save Results** button.

To modify a query:

- 1. Select a query in the list of queries, and click the **Modify** button.
- 2. The Clinical Results Query Builder window is displayed.
- 3. Make any modifications to the query description, query filter items, and data (column) selection. Click **OK** to save the changes.

To delete a query:

- 1. Select a query in the list of queries.
- 2. Click the **Delete** button.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

Patient List

The Patient List window allows you to search for, view, add, modify, and delete patients in the database. If the database is not available and you are working offline, this search is disabled.

- To access the Patient List, select **Tools > Patient List** from the main menu bar.
- The Patient List window opens.
- You can now perform any of the operations described below.

Last Name: ID:						Q Sea	rc
Referring Physi	sion	All				-	
		All					
Interpreting Ph	ysician:	All				-	
Last Name	First Name	ID	Birth Date	Phone	Referring Physician	Interpreting Physician	1
ASV	RITA	46661237	9/14/1959				
AUTOSV	PATIENT	50495124	10/16/1934				
Beta	Titration	59752203654	1/1/1990				
DAVID	THOMAS	7237-CTRE-M	4/20/1950				
Davis	Robert	dav111132	2/15/1972				
Durham	Angela	33	9/8/1962				
Earl	Connie	11-302	1/13/1966				
Fossceco	Ron	111111	1/8/1968				
Gray	John	333222	10/1/1971				
Johns	Rhonda	11-300	4/4/1972				
LOCKWOOD	CHRISTOPHER	H00021787783	4/24/1971				
Mcquire	Millard	J1638742	1/20/1944				
Messmer	RJ	555555	1/24/1955				
Mobley	Shane	mcnb1102711	7/12/1934				
NOVAK	DENNIS	0245-76-61	6/10/1947				
Parker	Todd	123456789	2/23/1971				
PDx	Level II_Stu	666555	9/1/1966				
Barcan	Classes.	CE 4004	+/+0/+075				

To Search for an Existing Patient:

- 1. Enter a full or partial name in the **Last Name** box.
- 2. Click the **Search** button to execute the search.
- 3. All patients matching the search criteria are displayed.

To Add a New Patient

- 1. Click the **Add** button.
- 2. The Patient Information window opens.
- 3. Enter patient information in the spaces provided.

A referring and/or interpreting physician can be associated with the patient being added. Use the applicable tab to display the referring or interpreting physician window. An existing physician can be selected from a list or a new physician can be added to the database. Additionally, the physician can be disassociated from the patient by selecting **Clear**.

4. Click **OK** to save the patient information and close the window.

To Modify an Existing Patient's Information

- 1. Perform a search to locate the patient.
- 2. Select the patient, and click the **Modify** button.
- 3. The Patient Information window opens.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.



latient List Last Name: ID:		mcquir	e			🔍 Sear
Referring Phys	ician:	All				•
Interpreting Pl		All				
Last Name	First Name	ID	Birth Date	Phone	Referring Physician	Interpreting Physician
Mcquire	Millard					
	Millard	J1638742	1/20/1944			
	Milliard)1638742	1/20/1944			

4. Edit the patient information shown as needed.

A referring and/or interpreting physician can be modified or added for the patient. Use the applicable tab to display the referring or interpreting physician window. An existing physician can be selected from a list or a new physician can be added to the database. Additionally, the physician can be disassociated from the patient by selecting **Clear**.

5. Click **OK** to save patient information and close the window.

	ysician Interpreting Physician	
Patient Informat	ion	
Last Name:	Mcquire	
First Name:	Millard	
Middle Name:		
Patient ID:	J1638742	
Birth Date:	January 20, 1944	
Gender:	Male Female	
Contact Info		
Address:		Phone 1:
		Phone 2:
City:		Fax:
2010		
State:		
State: Zip Code:		

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.



Delete an Existing Patient

[* A patient can be deleted only after the study and the physician has been deleted.]

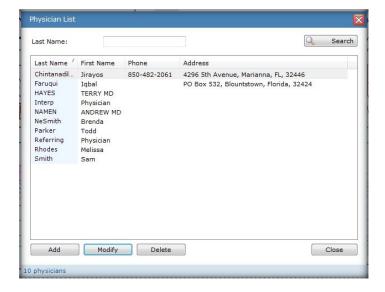
- 1. Perform a search to locate the patient to be deleted.
- 2. Select the patient to delete, and click the **Delete** button.
- 3. A confirmation prompt is displayed.
- 4. Click Yes to continue.
- 5. The patient is removed from the database, as long as the study itself has been deleted.

Last Name: ID:		mcqui	re			🔍 Sea
Referring Physic	cian:	All				•
interpreting Phy	vsician:	All				•
Last Name	First Name	ID	Birth Date	Phone	Referring Physician	Interpreting Physician
Mcquire	Millard	J1638742	1/20/1944			

Physician List

The Physician List window allows you to search for, view, add, modify, and delete physicians in the database. If the database is not available and you are working offline, this search is disabled. The physician information is used for both referring and interpreting physicians.

- To access the Physician List, select **Tools** > **Physician List** from the main menu bar.
- The Physician List window opens.



You can now perform any of the following operations ...

- * *Note*: Screenshots are from the Sleepware G3 Software and Online Help.
- * Disclaimer: Screenshots may change based on software version.

Search for an Existing Physician:

- 1. Enter a full or partial name in the **Last Name** box.
- 2. Click the **Search** button to execute the search.
- 3. All physicians matching the search criteria are displayed.

Add a New Physician:

- 1. Click the Add button.
- 2. The Physician Information window opens.
- 3. Enter physician information in the spaces provided.
- 4. Click **OK** to save the physician information and close the window.

Modify an Existing Physician's Information:

- 1. (Optional) Perform a search to locate the physician.
- 2. Select the physician, and click the **Modify** button. The Physician Information window opens.
- 3. Edit the physician information shown as needed and click **OK**.
- 4. The changes are saved and the window is closed.

Delete an Existing Physician:

- 1. (Optional) Perform a search to locate the physician to be deleted.
- 2. Select the physician to delete, and click the **Delete** button. A confirmation prompt is displayed.
- 3. Click Yes to continue.
- 4. The physician is removed from the database, as long as there are no studies associated with that physician.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.





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Consult the manual for additional information.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

* Disclaimer: Screenshots may change based on software version.

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G3 Training Module



* Note: Screenshots are from the Sleepware G3 Software and Online Help.



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Generating PSG Reports	5
Generating MSLT Reports	7
Generating a Prescription	8
Generating Inter-Scorer Reports	11
Deleting a Report	13

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.

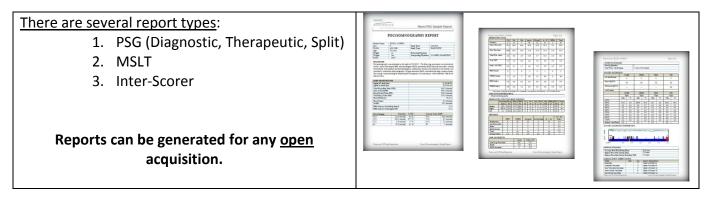
Report Generation

The Report Generation window allows you to configure the folders for storing reports and templates.

The **General** tab contains options related to the folder for general reports and several visual options regarding the appearance of hypnograms.

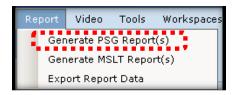
eport Generation		×	This is where your templates are
General Virtual Template	is labeled and the second s		located.
Input			
Report Templates:	\\SLEEPSERVER2008\Sleepware G3\Report	Browse	This is where your generated
			templates are located.
Output			
Store report output	n acquisition folder (ACQUISITION FOLDER)	****	Check this box to store and view
Report Output:	(ACQUISITION FOLDER)	Browse	all of the generated report
🔽 Keep report.txt file	«		codes and values.
Display stage labels	in hypnograms		
📝 Fill hypnograms			Check this box to fill in the
Display grid lines in	hypnograms		hypnogram squares on the
Oon't display grid lin	es in hypnograms		report.
Use HYPNOGRID cor	nmand in template to control grid line display		
		OK Cancel	
ed Options			

The Sleepware report generation feature utilizes report templates that are stored in Rich Text Format (RTF).



<u>File Edit View</u> A5BS09029	29	PHILIPS
Recording: 00:0	:00:47	RESPIRONICS
90 8 9 9		N1 N2 N3 NS 🕇 - 🧳 = 🖬 🦘 🖈
Data Markup		
C3M2		ĸĸ₺₼₶₰₣₣₽₰₡₳₺₶₽₺₺₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽
C3M2 C4M1		ĸĸŧĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸ
La COMZ		یک جاری این میکنی این میکنی این میکنی بی این میکنی میکنی میکنی میکنی میکنی میکنی میکنی این میکنی این میکنی میک این میکنی میکنی این میکنی میکنی میکنی میکنی این میک ویک این میکنی این میکنی این میکنی این میکنی میکنی این میکنی این میکنی این میکنی این میکنی این میکنی این میکنی ا
C4M1		مند می بر می می می باشد. در می باشند از می می باشند از می باشند با می باشند از می باشند از می باشند از می
C3M2 C4M1 01M2		مند های مراحظ می مواند با می مواند با می مواند با این می برد می مواند است. وا دو این می این می - مرا این می این می - مرا این می

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.



Generating PSG Reports

Use this window to generate **diagnostic**, **therapeutic**, **splitnight and interpretive reports**. A report file (in .RTF format) is generated and can be viewed and/or printed.

*When generating a titration template, remember to select the Therapy Device Mode under the EDIT tab.

Follow these steps to generate reports: Select **Report > Generate PSG Report(s)** from the main menu, or click on the 'Generate PSG Report(s)' icon. The Generate PSG Report(s) window opens.



Select one or more check boxes associated with the appropriate template file.

**The templates available are those found in the designated report templates directory specified in the Report Generation window.

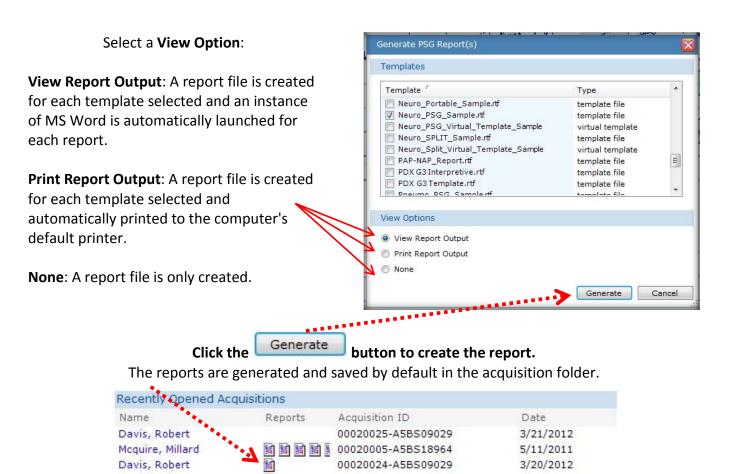
emplates		
Template /	Туре	*
Neuro_Portable_Sample.rtf Neuro_PSG_Sample.rtf Neuro_PSG_Virtual_Template_Sample Neuro_SPLIT_Sample.rtf Neuro_Split_Virtual_Template_Sample PAP-NAP_Report.rtf PDX G3 Interpretive.rtf PDX G3 Template.rtf PDX G3 Template.rtf	template file template file virtual template template file virtual template template file template file template file	E
view Options		
View Report Output		
Print Report Output		
🔿 None		

🙃 Sle	epware G3 - T	est, Patient (F	ebruary 23, 19	966)	_	-	_	_	_	_		_	_	-	
File	Edit Vie	v Scoring	Devices	Report	Video	Fools	Workspaces	Window	Help						
8 Con	Alice F No sig Ifiguration		🔹 😧 F	Gen	erate PSG erate MSL1 ort Report	Repo			/						
6 10	🗳 🔛 🖓 🏳	୨ ୯୦ 📓	Ŗ 🖾 🖨	View	ı		K	00020004			LIT Report 1	. محمد اللالد 10512.rtf		****	WK
×		WK . A3 :						00020004	-A5BS0031	L5-G3 3.5_A	AUTO_CAT	3_011414.rtf			
Ê		18 NB					8	00020004	-A5BS0031	L5-G3 3.5 _	TITRATION	_CAT1_0718	L2.rtf		
E E	10:	55:12 PM	Ррм 💽	1	12:0) AM		00020004	-A5BS0031	L5-G3 3.5 _	PSG_CAT1_	071812.rtf		_ ·	3:0
Sun	Entire Study		H 4										III		
Trend	Data Marku LEOG REOG C3A2				Ann	ANNA COMPANY			Minik				New york		

You can now view a generated report while viewing the raw data.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.





Generating MSLT Reports

When generating an MSLT report, you can select one to five acquisitions to include in the report where each acquisition represents a particular nap for that patient.

Follow these steps to generate an MSLT report:

- Select Report->Generate MSLT Report(s) from the main menu. The MSLT Nap Selection window opens. A list of acquisitions is displayed for that patient according to a set of rules.
- Select the acquisitions to include in the MSLT report. If desired you can add other acquisitions not displayed in the list by clicking the Add button. The Open Acquisition window opens where you can manually add another acquisition to the list.
- Select one or more check boxes associated with the appropriate template file. The templates available are those found in the designated report templates directory specified in the Report Generation window.

Acq. Num	Acq. Start	Last Name	First Name	Duration (min)
00010009	3/2/2012 11:20:16 AM	davis	robert	7.9
00010010	3/2/2012 11:30:14 AM	davis	robert	11.8
00010011	3/2/2012 11:44:30 AM	davis	robert	9.5
00010012	3/2/2012 11:58:17 AM	davis	robert	8.3
2 00010013	3/2/2012 12:14:05 PM	davis	robert	9.1
Add		******		OK Cancel

3. Click **OK** once you have selected all the naps. The Generate MSLT Report(s)

Templates	
Template /	Туре
MSLT.rtf	template file template file
View Options View Report Output Print Report Output	

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

Generating a Prescription

Sleepware G3 can generate printed prescriptions for therapy devices and masks. As with other reports within Sleepware, the prescription is based on a user-customizable template. Since nearly all data normally available to standard PSG reports can also be included in the prescription, very little data entry is required.

If a prescription exists for an acquisition, a corresponding **Rx** icon is displayed in the Reports column on the Recently Opened Acquisitions and My Acquisitions list.

The prescription function is recommended to be used in conjunction with the Philips Respironics PC Direct application. PC Direct generates a log file of the settings changes throughout a titration. This log generates an entry every five minutes. Therefore, settings changes that persist less than five minutes are not recorded in the log.

PC Direct is launched directly from Sleepware G3 via an option on an Alice 5/LE/6 device menu. If PC Direct is already running prior to the start of an acquisition, Sleepware G3 will automatically restart it in order to provide the acquisition-specific information to PC Direct needed for logging purposes.

If PC Direct is not utilized or for some reason the PC Direct log is not available, the prescription function is still operational with some limitations.

Generat	e Prescriptio	n			
i	Prescription	will be generated u	using template "	'RxG3.rtf".	
Therap	y Mode & Se	ttings			
Mode CPAP C-Flex C-Flex+		CPAP 14.0 cm H20 1 Off	D	PC Direct	
Datient	Interface				
Mask:		OptiLife	Generate	Cancel]

To generate a prescription:

1. Select **File > Generate Prescription** from the main menu or click on the **Rx** icon on the main toolbar.

The Generate Prescription window is displayed with all available prescription template files, if there is more than one file available.

If only one template exists, the list of templates is not displayed.

2. Select the template file you want to base the prescription on.

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.

Notes: By default, the last set of valid therapy settings that are present in the acquisition's PC Direct log file are displayed. You can click the **PC Direct Log** button to view the log and select a different set of settings. If the acquisition does not have a PC Direct log file, or the log file is invalid, a message is displayed and the **PC Direct Log** button is disabled. You will have to manually enter the therapy settings.

The Therapy Summary in the PC Direct Log file contains the following information:

Mode: The mode that was in effect on the therapy device.

Start Time: The time at which the therapy mode and its associated settings went into effect on the therapy device.

Duration: The period of time the therapy mode and its associated settings were in effect on the therapy device.

Change Type: The type of change between an item and the previous item.

The Therapy Summary does not show every entry that is logged into the PC Direct log file. It only shows entries that reflect a change in the therapy mode/settings and connection status.

- 3. Select a mask from the **Mask** drop-down list. If the mask you want is not available in the list, you can type it in the space provided and it will become part of the list for subsequent selections.
- 4. Click **Generate** to generate the prescription and view it in Microsoft Word. From there, you can print the prescription.

IMPORTANT!

Prescriptions can <u>only</u> be generated when an acquisition is opened in <u>PSG mode</u> and by users with the "<u>Generate Prescription" privilege</u>.

Prescription files are associated with their corresponding acquisitions.

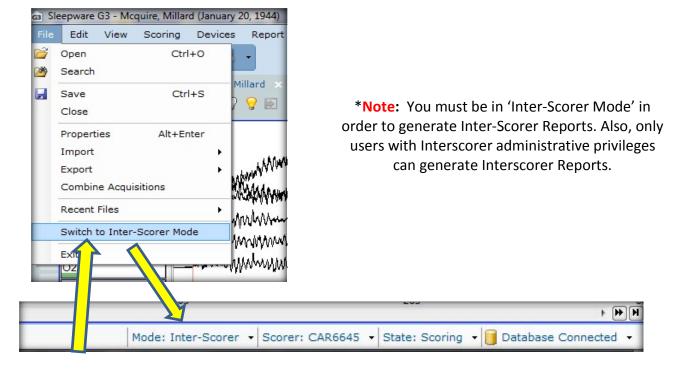
* Note: Screenshots are from the Sleepware G3 Software and Online Help.



Prescription for Therapy Device

Sleep Center / Provide	er Name:		Phone:		
	L		Fax:		
x (CPAP/Bi-Level Th	orany)				
Patient Name:	Test Patient			Date:	8/14/2012
Address:	, auont		Ph	one 1:	
Address:				one 2:	
City				Fax:	
State:				Zip:	
Ordering Physician:	,	License#:	UPIN	/NPI#:	
Address:				one 1:	
Address:			Ph	one 2:	
City:				Fax:	
State:				Zip:	
	0/14/00/10				
PSG Date:	8/14/2012				
	0.0				
AHI (TST):	0.0	RDI (TST): 0.0			
	Code	Description			
Diagnosis 1	Coue	Description			
Diagnosis 1					
Diagnosis 2					
Diagnosis 3					
Diagnosis 4					
HERAPY SETTINGS:					
Node		420			
PAP Flex		H 2U			
⊱Flex+					
-1 IEAT					
DITIONAL REQUIR	EMENTS:				
Humidification:		Dow	nload Compliance Rep	orting:	Yes
	:				
ATIENT INTERFACE:		Size:	Med-Large		
ATIENT INTERFACE: Masks or Interface:	OptiLife	Size.			
	OptiLife	5126.			
Masks or Interface:	ICAL NECESSITY	/:			
Masks or Interface: TATEMENT OF MED he above patient has und	ICAL NECESSIT	: raphic evaluation. This evaluation	has confirmed the diagnos	is of Slee	ep Apnea/Hypopnea.
Masks or Interface: TATEMENT OF MED he above patient has und	ICAL NECESSIT	/:	has confirmed the diagnos treatment.	is of Slee	ep Apnea/Hypopnea.
Masks or Interface: TATEMENT OF MED he above patient has und lasal CPAP/Bi-level PAP is	ICAL NECESSITY ergone polysomnog medically necessar	: raphic evaluation. This evaluation	has confirmed the diagnos treatment		ep Apnea/Hypopnea.
Masks or Interface: TATEMENT OF MED he above patient has und	ICAL NECESSITY ergone polysomnog medically necessar	: raphic evaluation. This evaluation	has confirmed the diagnos treatment	is of Slee Date:	ep Apnea/Hypopnea.
Masks or Interface: TATEMENT OF MED he above patient has und lasal CPAP/Bi-level PAP is	ICAL NECESSIT) ergone polysomnog medically necessar Signature:	: raphic evaluation. This evaluation	treatment.		ep Apnea/Hypopnea.

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.



Generating Inter-Scorer Reports

Follow these steps to generate an Inter-scorer report:

Select **Report > Generate Inter-Scorer Report(s)** from the main menu. The Generate Inter-Scorer Report(s) window is displayed. In the Templates group, select one or more check boxes associated with the appropriate template file.

The **1_Scorer_vs_Master.rtf** option compares one scorer against the master score, and the **N_Scorer_vs_Master.rtf** option compares multiple scorers against the master score.

In the Scorers group, the **Master Scorer** shown is the master scorer who was selected for this acquisition.

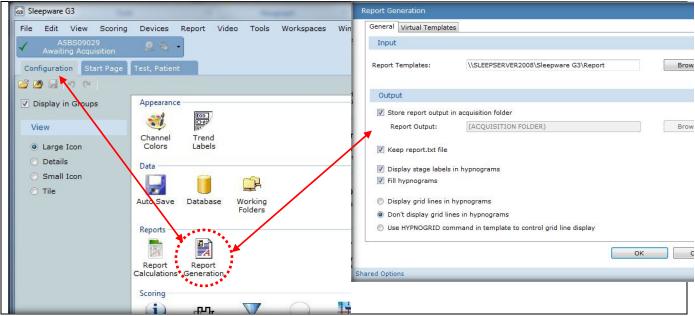
Select one or more check boxes associated with the applicable scorers to be included in the **report.** The scorers listed are associated with this acquisition. Each entry indicates the last known state for that scorer and the date last modified.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

Saving a Report

When you generate a report, the report output will be saved with the acquisition in the acquisition folder by default. Optionally, you may specify another folder.

See the Report Generation window (under the Configuration tab) for additional details.



* When a report is generated, Sleepware automatically assigns a name to the report file using the following convention: *Acquisition_ID-Template_Name.RTF*

00040052-A5B518692-Video		File Folder	9/21/2011 9:37 AM	1.1
~00040052-A5B518692-2G3_P5G_CAT3_020811.rtf	25 KB	Rich Text Format	12/5/2011 3:21 AM	1.1
🖳 ~00040052-A5BS18692-Neuro_PSG.rtf	965 KB	Rich Text Format	8/4/2011 12:15 PM	.1
200040052-A58519692-Neuro_PSG_Sample.rtf	2,129 KB	Rich Text Format	2/1/2012 1:27 PM	
🗐 00040052-A58518692-1G3_P5G_CAT3_020811.rtf	25 KB	Rich Text Format	12/5/2011 3:21 AM	
🗐 00040052-A5B518692-2G3_PSG_CAT3_020811.rtf	25 KB	Rich Text Format	12/5/2011 3:22 AM	.0
🚾 00040052-A5B518692.lck	1 KB	LCK File	2/23/2012 6:02 PM	.1
	227 VD	Eleonwore Acquisition	2/22/2012 6:00 DM	

Each time you generate a report for the same acquisition with the same template, the existing file will be overwritten.

You can use the <u>Save-As feature</u> in Microsoft Word to save a report to another name or location if desired.

Note that a backup version of the overwritten file is preserved and the file name is preceded by a ~ symbol.

The <u>Start Page</u> display shows an icon for each report stored with the acquisition.

Name	Refer	Acquisition ID	Date
ASV, RITA	🖬 🖬 🛤 🛤	00040052-A5BS18692	8/3/2011
Carmody, Cayla	🖬 🖬 🛤 🛤	00001652-A5BS10377	8/27/2011
Diagnostic, Michelle	🖬 🖬 🛤 🛤	00000601-A5BS10408	8/29/2011
Bokor, Larry	M	00000010-A5BS00489	1/30/2011

Deleting a Report

Locate the acquisition from the Start Page tab. Right click on the patient name and click EXPLORE SELECTION.

Name	Reports	Acquisition ID	Date
Davis, Robert		00020025-A5BS09029	3/21/2012
Mcquire, Millard		§ 00020005-A5BS18964	5/11/2011
Davis, Ro 🖾 Explor	e Selection	00020024-A5BS09029	3/20/2012
Davis, Robert	R .	00020023-A5BS09029	3/20/2012
Beta, MWT		§ 00000027-A5B1013	3/2/2004
		E second second second	

🕖 🗸 🕌 « Philips Respironics 🕨	Sleepware G3 Acquisitions 00020005-A5BS18964	*	5 Search 000200	05-A5BS18964	
Organize 🔻 Include in library 🔻	Share with 👻 Burn New folder			= - =	
🔆 Favorites	Name	Date modified	Туре	Size	
🧮 Desktop	D0020005-A5BS18964-Video	2/10/2012 3:51 PM	File folder		
퉳 Downloads	🔁 ~00020005-A5BS18964-HSDC PSG Femal	3/20/2012 10:43 AM	Rich Text Format	697 KB	
归 Recent Places		3/20/2012 10:43 AM	Rich Text Format	676 KB	
	👜 ~00020005-A5BS18964-HSDC PSG Male	3/20/2012 10:43 AM	Rich Text Format	690 KB	
詞 Libraries	~00020005-A5BS18964-HSDC PSG Male 0	3/20/2012 10:43 AM	Rich Text Format	675 KB	
Documents	👜 ~00020005-A5BS18964-Neuro_PSG_Samp	3/20/2012 12:21 PM	Rich Text Format	1,821 KB	
J Music	3 00020005-A5BS18964.rml	3/20/2012 4:48 PM	Sleepware Acquisi	1,494 KB	
E Pictures	00020005-A5BS18964[001].edf	5/12/2011 5:20 AM	EDF File	2,495 KB	
Videos	00020005-A5BS18964[001]-T.edf	5/12/2011 5:21 AM	EDF File	1,731 KB	
	00020005-A5BS18964[002].edf	5/12/2011 5:20 AM	EDF File	2,495 KB	
🖳 Computer	00020005-A5BS18964[003].edf	5/12/2011 5:20 AM	EDF File	2,495 KB	
🏭 Local Disk (C:)	00020005-A5BS18964[004].edf	5/12/2011 5:20 AM	EDF File	2,495 KB	

EXPLORE SELECTION takes you to the Acquisitions folder. The reports are here as Rich Text Format (.rtf) documents.

Select the report(s) you want to delete and press the <u>DELETE</u> key.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.





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i Consult the manual for additional information.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

* Disclaimer: Screenshots may change based on software version.

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Portable Device Manager (PDM)



Portable Device Manager is a feature, released with Sleepware G3 version 3.9.0, that allows you to manage your fleet of Alice NightOne and Alice PDx portable sleep testing devices, as well as manage your patients through the sleep testing cycle by using the *Portable Device Manager tool* and *Patient and Device Dashboard Start Page*.

Benefit

PDM helps create efficiencies by allowing you to track patients and devices during the portable test workflow using a dashboard – knowing exactly where they are in the workflow process. PDM also allows you to monitor device history, utilization, and statistics to help you manage your fleet – knowing which device is available, which is out to a patient, mean and median times at various states of the workflow.

Functionality

- ✤ Allows for management of a lab's entire fleet of portable devices.
- Creates a workflow paradigm to track device states and study states as a patient goes through a home sleep test such as:

Configure Device

Dispatched - Delivered

Patient Received Device

Acquisition Imported/Scored/Interpreted

- Device cleaning/Visual inspection (custom states)
- Allows ability to analyze device utilization, cleaning & maintenance, and time through HILIPS workflow.



Objectives

Portable Device Manager (PDM) tool and Start Page Dashboard

- Learn how to configure "Workflow" settings for PDM on the Configuration Page.
- > Learn how to access the Portable Device Management Tool to add devices.
- > Learn how to access the Patient and Devices Start Page Dashboards.
- Learn how to toggle between the Acquisition List Start Page and the Patient and Devices Start Page Dashboards.
- Learn how to navigate the Dashboards to view and manage Patient Workflow, device states and device availability.
- Learn how to change patient or device status on the Dashboards to match current workflow action.
- Learn now to navigate the Portable Device Management tool to add, modify and delete devices, and check the history and statistics of devices in your fleet.



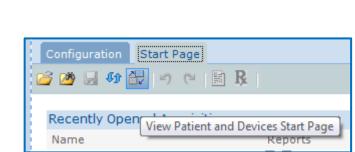
Portable Device Manager Tools and Start Page Functions

Patient and Device Workflow Start Page Dashboard

- The <u>device and patient Start Page dashboards</u> allow you to track and manage patients through the home sleep test cycle.
- The <u>device and patient Start Page dashboards</u> allow you to track your fleet of Alice NightOne and Alice PDx devices.

Tools > Portable Device Manager

- The <u>portable device manager tool</u> allows you to add new devices, modify and delete existing devices and search for, filter, and sort devices from the list.
- > The *portable device manager tool* allows you to modify device statuses.
- The <u>portable device manager tool</u> allows you to view the history and usage statistics of one, several, or all devices in the fleet to optimize utilization.







Portable Device Manager The settings on the Configuration Page



Configuration Page Workflow Settings





The Sleepware G3 Configuration Page now includes a Workflow section. There are 3 icons there to consider for PDM settings.

<u>Patient Workflow</u>: Allows you to set a threshold for number of days anticipated for the portable sleep testing cycle for all patients; portable and in-lab acquisitions.

<u>Portable Device States</u>: Allows you to configure usage cycle and non-usage cycle device states.

<u>Acquisition States</u>: Allows you to manage the state of an acquisition, such as New Acquisition, Scored, Verified, or Complete.

*Acquisition States already existed in Sleepware G3. Their position on the configuration page was moved to the workflow section with release of v 3.9.0.



Patient Workflow Setting

Workflow			
*	1	3	
Patient	Portable	Aquisition	
Workflow	Devic	States	

Patient Workflow Options	$\overline{\mathbf{X}}$
General	
Duration Warning Threshold:	days
	OK Cancel
Shared Options	

The Patient Workflow setting allows you to set a **Duration Warning Threshold** for the workflow cycle. When the number of days that a patient has been in the workflow exceeds the Duration Warning Threshold, the number is displayed in **red** on the patient dashboard. This setting applies to portable testing and full-PSG studies. The number of days in the workflow appears in the "Days" column on the dashboard.

For portable testing, the days count starts at the time the device is configured for the patient, i.e. If a device is configured at 11:20 am on Tuesday, this automatically starts the cycle at 1 day. The following day, exactly 24 hours later - on Wednesday at 11:20 a.m., the days count goes to 2.

For full PSG, the workflow starts from the day the study is acquired and newly imported into Sleepware G3.

Patient Workflow Dashboard				
Name	Status	🔺 Action	Reports	Days
NewPatient, noname	New Patient	Provide Device Training		
Moose, Bob	Patient Received AN1PD_EP07462	Import		5
Weenen Henrie	Detiret Dessived AN40D 40047CF	Taxaa		

Portable Device State Management Options



This setting allows you to define the states that a portable device can be in. There are Usage and Non-Usage states. By default, Available, Configured, Dispatched, Received by Patient, and Returned are always configured for usage and Out of Service is always configured for non-usage.

Portable Device State Management Opti	ions 🔀
Usage Cycle States Choose the portable device states that sh usage cycle and assign each a name. Not "Returned" must always be present in the	te that states "Available" through
State	State Name
V Available	Available
Configured	Configured
Dispatched	Dispatched
Received by Patient	Received by Patient
✓ Returned	Returned
Custom Cycle State 1	Cleaning
Custom Cycle State 2	Charging Batteries
Custom Cycle State 3	
Custom Cycle State 4	
Non-Usage Cycle States	
Choose the portable device states that sho participate in your normal usage cycle and state "Out of Service" must always be pres	d assign each a name. Note that
State	State Name
☑ Out of Service	Out of Service
Custom Non-Cycle State 1	Visual Inspection
Custom Non-Cycle State 2	
	OK Cancel
Shared Options	

For usage states, you can add 4 additional custom states. To add them select a check box on the left of a custom cycle field, and then type the relevant text. Usage states are typically states such as cleaning the device and/or charging or changing batteries that would be part of a procedure between each test.

For non-usage states, Out of Service is the default state. You can add 2 additional custom states. Non-usage states are typically states such as visual inspection or you could also record device failures.

*(the State Name given can be edited to suit user preference).

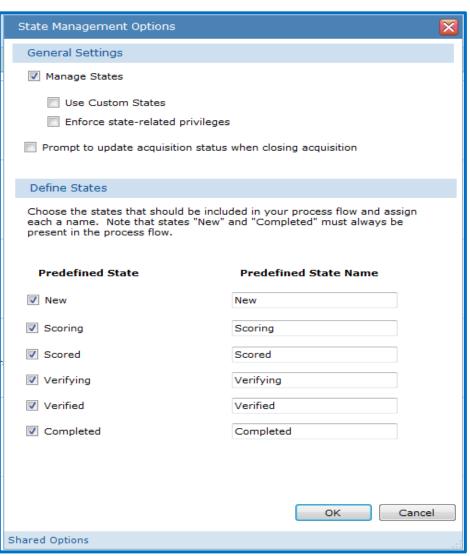
State Management Options



The State Management window allows you manage the *states* assigned to acquisitions such as scoring, scored, verifying and verified. States allow acquisitions to be tracked as they progress through the workflow. For the Patient Workflow Dashboard to work efficiently, Manage States must be enabled. It will be necessary to use the <u>Completed state to remove patients from the</u> <u>dashboard once their cycles are completed</u>.

These states can be easily changed from within a patient record **and** from the portable device dashboard. Examples of this will be shown when the patient and device start page dashboard is reviewed.

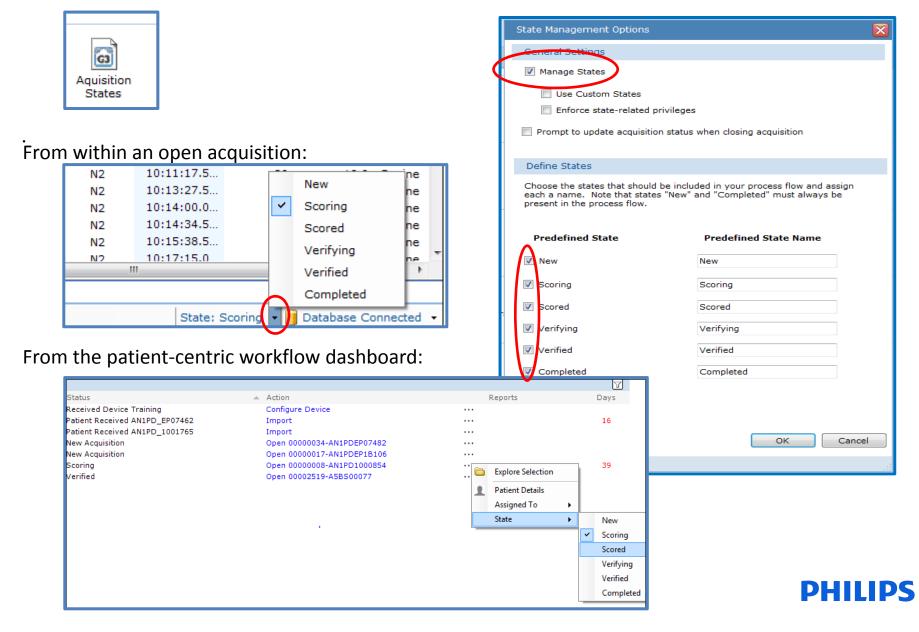
You can deselect states from this list if you do not want to use them as part of the workflow. New and Completed **must** remain. The next few slides show examples of how this is applied.





State Management Options

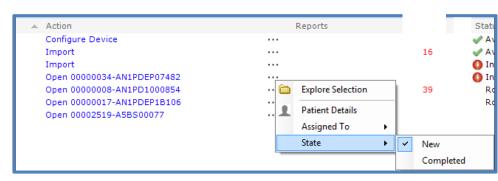
With all Predefined States in Use:



State Management Options



You can deselect states from this list if you do not want to use them as part of the workflow. New and Completed **must** remain, at a minimum, if you intend to use the Patient and Device Workflow Dashboard.



It will be necessary to use the Completed state to remove patients from the dashboard once their cycles are completed.

State Management Options		×
General Settings		
Manage States		
Use Custom States		
Enforce state-related privileges	3	
Prompt to update acquisition status	when closing acquisition	
Define States		
Choose the states that should be inclu each a name. Note that states "New" present in the process flow.	ded in your process flow and assign and "Completed" must always be	
Predefined State	Predefined State Name	
Vew	New	
Scoring		
Scored		
Verifying		
Verified		
Completed	Completed	
	OK Cancel	
Shared Options		



State Management Options with Patient and Device Workflow Dashboard



Status

Received Device Training

New Acquisition

New Acquisition

Patient Received AN1PD_EP07462

Patient Received AN1PD_1001765

If a Sleepware G3 user wants to the Patient and Device Centric Start Page Dashboard to track patient workflow, state management must be enabled with 'New' and 'Completed' as the predefined states. *If State Management is deselected, there is no way to mark an imported study as completed to remove it from the dashboard*.

Action

Import

Import

Configure Device

Open 00000034-AN1PDEP07482

Open 00000017-AN1PDEP1B106 Open 00000008-AN1PD1000854 Open 00002519-A5BS00077

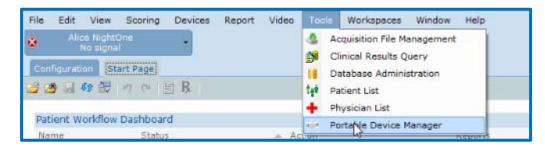
State Management Options	×
General Settings	
Manage States	
Use Custom States	
Enforce state-related privile	ges
Prompt to update acquisition sta	tus when closing acquisition
Define States	
Choose the states that should be in each a name. Note that states "Ne present in the process flow.	ncluded in your process flow and assign w" and "Completed" must always be
Predefined State	Predefined State Name
V New	New
Scoring	Scoring
✓ Scored	Scored
	Verifying
Reports	Verified
	Completed
•••	
🛅 Explore Selection	OK Cancel
Patient Details	
Assigned To	
Changing state NOT	PHILIPS

Portable Device Manager

Sleepware G3 Main Menu > Tools > Portable Device Manager



To access the portable device manager tool, select Tools from the Main Menu of Sleepware G3, then select Portable Device Manager from the drop-down menu.



Portable Device Mana	iger				
Search By					
Device Name: Device State: Device Type: Patient Last Name:	Available All			-	Q Search
Jame /	Serial Number AN1PD1000301	Type Alice NightOne	State Available	Patient Name	Add
N1PD_1000854 N1PD_1001309 N1PD_EP07462	AN1PD1000854 AN1PD1001309 AN1PDEP07462	Alice NightOne Alice NightOne Alice NightOne	Available Available Available		Delete
					History Statistics
verall Statistics					Close

The Portable Device Manager tool allows you to manage devices: add, modify, and delete devices as well as search, filter, sort, and view the history of one device and view statistics of one, several, or all devices.

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You can search by Device State or Device Name

Device State: Available Device Type: All Patient Last Name: Alice NightOne Alice PDx Name ' Serial Number Type State AN1PD_1000301 Alice NightOne Alice NightOne AN1PD_1000301 Alice NightOne Alice NightOne AN1PD_1000301 Alice NightOne Alice NightOne AN1PD_1000854 Alice NightOne	
Patient Last Name: All Alice NightOne Alice PDx Name ' Serial Number Type State Patient Name AN1PD_1000301 AN1PD1000301 Alice NightOne Available AN1PD_1000854 AN1PD1000854 Alice NightOne Available	
Patient Last Name: Alice NightOne Alice PDx Name ' Serial Number Type State Patient Name AN1PD_1000301 AN1PD1000301 Alice NightOne Available AN1PD_1000854 AN1PD1000854 Alice NightOne Available	
AN1PD_1000301 AN1PD1000301 Alice NightOne Available AN1PD_1000854 AN1PD1000854 Alice NightOne Available	
AN1PD_1000854 AN1PD1000854 Alice NightOne Available	Add
	Modify
N1PD_1001309 AN1PD1001309 Alice NightOne Available	Delete
N1PD_EP07462 AN1PDEP07462 Alice NightOne Available	
	History
	Statistics



	100				
Portable Device Mana	ager				
Search By					
Device Name:	*EP*				Search
Device State:	All			•	
Device Type:	All			•	
Patient Last Name:					
Name /	Serial Number	Туре	State	Patient Name	Add
AN1PD_EP07462	AN1PDEP07462	Alice NightOne	Available		Modify
		\sim			Delete
		$\langle \rangle$			
					History
			\mathbf{X}		Statistics
			\mathbf{X}		
Overall Statistics					Close
1 portable devices					

You can also search by Device Name

When searching by Device Name, you could use an asterisk (*) within a **search** as a placeholder for any unknown or wildcard terms. For example, search for *EP* will bring up device name: AN1PD_**EP**07462



To add a device to Portable Device Manager, select the Add button.

Portable Device Mani					6
Search By					
Device Name:	(Q Search
Device State:	Available			-	
Device Type:	All			•	
Patient Last Name:					
Name /	Serial Number	Туре	State	Patient Name	Add
N1PD_1000301	AN1PD1000301	Alice NightOne	Available		Modify
N1PD_1000854	AN1PD1000854	Alice NightOne	Available		
N1PD_1001309 N1PD_EP07462	AN1PD1001309 AN1PDEP07462	Alice NightOne 😞 Alice NightOne	Available Available		Delete
					History
					Statistics
verall Statistics					Close



Once Add has been selected, a dialog box appears prompting you to connect the device you are adding to the host computer.

Gal Sleepware G3	Demonstration Devic	e. Not for Therapeutic or Diagnostic Use. Not for Sale.	
	iew Scoring Dev	ices Report Video Tools Workspaces Window Help	PHILIPS
	lightOne signal		DECRIPO
Configuration	Start Page		RESPIRO
🥶 🥶 🖬 49	Portable Device M	anager	
Patient Worl Name	Search By		1e
Einstein, Albe Moose, Bob	Device Name:		Q Search 03
NewPatient, i	Device State:	All	13
Sanguillen, N Stargell, Will	Device Type:	All 👻	74
test, test	Patient Last Name		
Wagner, Hon B1.0.1.2591,	Name / Conr	nect Portable Device	Add
Clemente, Re	ANITED 100	0	
Angstadt, Fre Lincoln, Abe	AN1PD_100	Please connect the device to the host machine.	Modify
	AN1PD_100 AN1PD_100		Delete
	AN1PD_EP0		Cancel
			History
			Statistics

When adding an Alice NightOne device, the device does not need to be powered on nor do the batteries need to be inserted. The device obtains power from the USB port for this function. When adding an Alice PDx device, batteries must be inserted and the device must be powered on to communicate with the PC. It cannot be powered by the USB port. If you connect it to the PC to add it without being powered on, you'll see this message: "Please power on the device."

The device will be added to the list. The newly added device is highlighted at the top of the list. This device will also appear on the Dashboard in the Available state.

Portable Device Man	ager					
Search By						
Device Name:					Q Search	
Device State:	All	All				
Device Type:	All			•	2	
Patient Last Name:					1	
Name /	Serial Number	Туре	State	Patient Name	Add	
AN1PD_1000137	AN1PD1000137	Alice NightOne	Available		Modify	
AN1PD_1000301 AN1PD_1000854	AN1PD1000301 AN1PD1000854	Alice NightOne Alice NightOne	Available Available		Delete	
AN1PD_1001309	AN1PD1000334	Alice Nightone	Available		Delete	
AN1PD_1001765	AN1PD1001765	Alice NightOne	Received by Patient	Wagner, Honus		
AN1PD_EP07462	AN1PDEP07462	Alice NightOne	Available		History	
			Por	rtable Device Dashboard		
				Available	ANIPD_1000137	
Overall Statistics				Available	AN1PD_1001309	+++
			0	In Use	AN1PD_1001765	
				In Use	AN1PD_EP07452	
				Out of Service	AN1PD_1000301	***



The Modify feature allows you to change the state of a device. In this example it is being changed from "Visual Inspection" back to "Available."

You can also edit the name of the device. By default the name shows the device type, such as AN1, for Alice NightOne, followed by "_" and serial number of the device. You can change it to whatever name that makes sense to you for easy tracking purposes.

Portable Device Manager	r				\mathbf{X}
Portable Device Info			$\mathbf{\overline{X}}$		
Device Information					Search
Name:	AN1PD_1000854			•	Search
State:	Visual Inspection	-		•	
Туре:	Available Configured				
Serial Number:	Dispatched Received by Patient Returned			Patient Name	Add
Delivery Method:	Cleaning Charging Batteries		ole Inspection		Modify
Tracking Number:	Out of Service Visual Inspection Device Failure		ble	EEG, TEST	Delete
Patient Information			ole	220, 1201	
Patient Name:			ple		History
Patient ID:					Statistics
		OK Cance	el		
L			.::		
Overall Statistics					Close
6 portable devices					

The Modify feature also allows you to add or change the delivery method and enter a tracking number for the delivery, if necessary. The default delivery methods are Patient Pickup, USPS, UPS, and FedEx. New entries for delivery method can be created by free-typing the chosen method into the Delivery Method box.

Portable Device Info		×	Reports	Davs	Status
Device Information					$\overline{\mathbf{X}}$
Name:	AN1PD_1001765				
State:	Received by Patient			•	🔍 Search
Туре:	Alice NightOne			•	
Serial Number:	AN1PD1001765				
Delivery Method:					
Tracking Number:	Patient Pickup USPS		State	Patient Name	Add
	UPS FedEx	ne	Available		Modify
Patient Information		ne ne	Routine Maintenance		Delete
Patient Name:	Wagner, Honus	ne	Available		Delete
Patient ID:	Pirates3	ne	Received by Patient	Wagner, Honus	
Patient ID:	Piratess	ne	Received by Patient	Moose, Bob	History
	OK Cancel				Statistics
Over	rall Statistics				Close



To view the history of a device, highlight the device on the list and select the History button. Only a single device history can be viewed.

Portable Device Mana	ager				×
Search By					
Device Name:					Q Search
Device State:	All			•	
Device Type:	All			•	
Patient Last Name:					
Name /	Serial Number	Туре	State	Patient Name	Add
AN1PD_1000137	AN1PD1000137	Alice NightOne	Available		Modify
AN1PD_1000301 AN1PD_1000854	AN1PD1000301	Alice NightOne	Out of Service Available		Delete
AN1PD_1000834 AN1PD_1001309	AN1PD1000854 AN1PD1001309	Alice NightOne Alice NightOne	Available		Delete
AN1PD_1001765	AN1PD1001765	Alice NightOne	Received by Patient	Wagner, Honus	
AN1PD_EP07462	AN1PDEP07462	Alice NightOne	Received by Patient	Moose, Bob	
					History
					Statistics
Overall Statistics					Close
6 portable devices					



Once History has been selected, the portable device history dialog box is displayed. Each workflow cycle the device has gone through is displayed. The columns available for viewing the history are Date, State and Duration. The same date can be listed multiple times to show various states the device has been through in the workflow on a single day, or spread out on different days, as indicated in the State column. The Duration column displays the number of hours that the device remained in the corresponding state.

	Portable Device History				Portable Device Dasht
	Device Information				Status
Portable Device I					
	Name:	AN1PD_1000854			
Search By	Туре:	Alice NightOne			
Device Name:	Serial Number:	AN1PD1000854			Search
Device State:					
	Device History				
Device Type:					
Patient Last Name	State:	All		-	
Name /	Date /	State	Duration (hours)	-	Add
AN1PD_1000137	3/6/2017	Configured	0.0		Modify
AN1PD_1000301	3/6/2017	Dispatched	5.8		Modify
AN1PD_1000854	3/6/2017	Received by Patient	41.0		Delete
AN1PD_1001309	3/8/2017	Returned	0.0		
AN1PD_1001765	3/8/2017	Available	0.1		
AN1PD_EP07462	3/8/2017	Configured	0.0		
	3/8/2017	Dispatched	0.0	E	History
	3/8/2017	Received by Patient	0.1		
	3/8/2017	Available	0.0		Statistics
	3/8/2017	Configured	0.2		
	3/8/2017	Available	0.0		
	3/8/2017	Configured	0.0		
	3/8/2017	Dispatched	0.0		
Overall Statistics	3/8/2017	Received by Patient	0.1		Close
	3/8/2017	Returned	0.1		
5 portable devices	2/0/2017	olassia.		-	
				Close	

Device Information						
Name:	AN1P					
Гуре:	Alice	Alice NightOne				
Serial Number:	AN1P	PD1000854				
Device History						
State:	All			•		
50001	All					
,	Avail	able igured				
Date /		atched		Ê		
3/6/2017		ived by Patient				
3/6/2017	Retur					
3/6/2017	Clear	ning ging Batteries				
3/6/2017		of Service				
3/8/2017	Visua	al Inspection				
3/8/2017		Available	0.1	1		
3/8/2017		Configured	0.0			
3/8/2017		Dispatched	0.0			
3/8/2017		Received by Patient	0.1			
3/8/2017		Available	0.0			
3/8/2017		Configured	0.2			
3/8/2017		Available	0.0			
3/8/2017		Configured	0.0			
3/8/2017		Dispatched	0.0			
3/8/2017		Received by Patient	0.1			
		Detroped	0.1	-		
5/0/0017						

When viewing the **history** of a device, it is possible to filter the device history states to view individual state information, such as when Visual Inspections were performed.



The **Statistics** button is available so you can view the statistics of one, several, or all devices on the list. To check the statistics on one, highlight the device on the list and select the statistics button.

Portable Device Mana	ager				$\overline{\mathbf{X}}$
Search By					
Device Name:					Search
Device State:	All			•	
Device Type:	All			•	
Patient Last Name:					
Name /	Serial Number	Туре	State	Patient Name	Add
AN1PD_1000137 AN1PD 1000301	AN1PD1000137 AN1PD1000301	Alice NightOne Alice NightOne	Available Out of Service		Modify
AN1PD_1000854	AN1PD1000854	Alice NightOne	Available		Delete
AN1PD_1001309 AN1PD_1001765 AN1PD_EP07462	AN1PD1001309 AN1PD1001765 AN1PDEP07462	Alice NightOne Alice NightOne Alice NightOne	Available Received by Patient Received by Patient	Wagner, Honus Moose, Bob	History Statistics
Overall Statistics					Close



Portable Device Manager Tools Device Statistics

The portable device statistics window opens and shows an overview of all states of the device combined over time. The information shows the Device Name for the selected unit, the number of usage cycles the device has experienced, as well as a tally of the Mean and Median durations for each cycle state and the Percentage of time spent in each state.

AN1PD_1 4 0.5 days 0.0 days	000854		
4 0.5 days	000854		
4 0.5 days	000854		
0.5 days			
-			
0.0 days			
ation (hours) Med	an Duration (hours)	Percentage	
0.0		92.8	
0.0		0.0	
0.0		0.9	
0.1		6.2	
0.1		0.0	
0.0		0.0	
0.0		0.0	
	0.0 0.0 0.1 0.1 0.0	0.0 0.0 0.0 0.1 0.1 0.0	0.0 92.8 0.0 0.0 0.0 0.9 0.1 6.2 0.1 0.0 0.0 0.0

To view the statistics of all devices, select the **Overall Statistics** button.

Portable Device Mana	ager				
Search By					
Device Name:					Q Search
Device State:	All			•	
Device Type:	All			•	
Patient Last Name:					
		-			Add
Name /	Serial Number	Туре	State	Patient Name	Add
AN1PD_1000137	AN1PD1000137	Alice NightOne	Available		Modify
AN1PD_1000301	AN1PD1000301	Alice NightOne	Out of Service		
AN1PD_1000854 AN1PD_1001309	AN1PD1000854 AN1PD1001309	Alice NightOne Alice NightOne	Available Available		Delete
AN1PD_1001365	AN1PD1001309	Alice NightOne	Received by Patient	Wagner, Honus	
AN1PD_EP07462	AN1PDEP07462	Alice NightOne	Received by Patient	Moose, Bob	
		, alloc hightorio			History
					Statistics
					Statistics
Overall Statistics					Close
6 portable devices					



The statistics for all devices will appear. The Overview tab shows the number of devices being reported, the number of usage cycles for all combined, the mean duration of usage cycles, and the median duration for usage cycles.

ortable Device Statistic	5			
verview Monthly				
Usage Cycle Statistics				
Number of Devices:		3		
Number of Usage Cycles		10		
Mean Duration of Usage	Cycles:	5.0 days		
- Median Duration of Usag	-	4.1 days		
neuran Daration of Usag	e cycles.	4.1 0095		
State Statistics				
State / Available	Mean Duration (hours) 461.2	Median Duration (hours) 304.7	Percentage 80.9	
Configured	461.2	2.0	0.6	
Dispatched	39.0	25.9	4.9	
Received by Patient	62.2	57.5	7.8	
Returned	6.7	4.6	0.8	
Cleaning	3.6	1.9	0.4	
Charging Batteries	4.6	3.6	0.6	

Portable Device Manager, monthly statistics

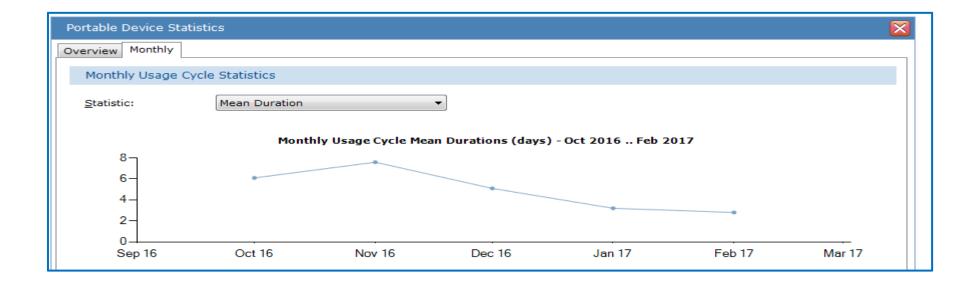
Select the **Monthly** tab to view the statistics of devices as they change month to month. The monthly statistics are depicted as a line graph. The graphs are visual representations of how efficiently a company uses its portable devices over time.

Portable Device Stati	istics					
Overview Monthly						
Monthly Usage Cy	cle Statistics					
<u>S</u> tatistic:	Mean Duration	•	•			
	Monthl	y Usage Cycle Meai	n Durations (days)	- Oct 2016 Feb 20	017	
87						
6-	•					
4-						
2-						
0-L Sep 16	Oct 16	Nov 16	Dec 16	Jan 17	Feb 17	Mar 17
Marshly Chata Cha						
Monthly State Sta	tistics					
Statisti <u>c</u> :	Mean Duration		▼ St <u>a</u> te:	Dispat	ched	-
	Menthly May	n Durations (hour	rs) for Dispatched s	tata Oct 2016 E	-h 2017	
60 -	Piontiny Piez	an Durations (nour	rs) for Dispatched s	tate - Oct 2016 P	2017	
40	•					
40-						
20 -			-		•	
0		N 10				
Sep 16	Oct 16	Nov 16	Dec 16	Jan 17	Feb 17	Mar 17
L						Close



Portable Device Manager

The Monthly Usage Cycle Statistics graphs can display the Mean and Median Durations trending month to month. The default is Mean Duration. Use the Statistics drop-down arrow to view the Median Duration.





Portable Device Manager, monthly statistics

The Monthly State Statistics can show a trend of Median, Mean or the Percentage of time spent in each state over time.

To change the state, select the arrow on the drop-down menu for State.

Also, you can place the mouse pointer over a "node" or "dot" in the graph to view its corresponding data.

Monthly State Sta			-	(<u>*</u>		
Statisti <u>c</u> :	Mean Duration		▼ St <u>a</u> te:	Disp	atched	······
	Monthly Me	an Durations (hour	s) for Dispatched	state - Oct 2016	Feb 2017	
⁶⁰ –	•					
40 —						
20 -					Mar 2017	7: Mean Duration - 174.1 hour
Sep 16	Oct 16	Nov 16	Dec 16	Jan 17	Feb 17	Mar 17
						Close .::
					/	

Hover mouse pointer over "node" or "dot" to display details

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Portable Device Manager

Device and Patient Dashboard



		Toggle icon on Sta	rt Page				
Configuration							
Recently Op Name	View Patient and Devices 5	tart Page Acquisition ID					
						DECDU	
	à D i					RESPIR	RONICS
Configuration Start Page) R					RESPIR	ONICS
🎒 🚽 🕼 🔐 🗐 (전) 🗄				A	Portable Device Dashboard	RESPIR	ONICS
🍅 🔒 🏘 🔐 🕫 (여) 🕅		▲ Action	Reports	⑦ Days	Portable Device Dashboard Status	RESPIR	RONICS
🎒 🚽 🐠 🔐 🔊 (약) 🖺 atient Workflow Dashboard Iame	1	 Action Provide Device Training 	Reports	_			RONICS
🎒 🔙 🐠 🔐 🔊 (약) 🖺 atient Workflow Dashboard lame ewPatient, noname	d Status			_	Status	▲ Device Name	
M 문 영 값 의 전 문 atient Workflow Dashboard ame ewPatient, noname oose, Bob	d Status New Patient	Provide Device Training		Days	Status ✔ Available	 Device Name AN1PD_1000137 	
2월 및 해 값 의 전 문 atient Workflow Dashboard ame ewPatient, noname loose, Bob /agner, Honus	Status New Patient Patient Received AN1PD_EP07462	Provide Device Training Import		Days	Status ✔ Available ✔ Available	 Device Name AN1PD_1000137 AN1PD_1000854 	
Man State S	Status New Patient Patient Received AN1PD_EP07462 Patient Received AN1PD_1001765	Provide Device Training Import Import		Days	Status ✔ Available ✔ Available ✔ Available	 Device Name AN1PD_1000137 AN1PD_1000854 AN1PD_1001309 	
	Status New Patient Patient Received AN1PD_EP07462 Patient Received AN1PD_1001765 New Acquisition	Provide Device Training Import Import Open 00000034-AN1PDEP07482		Days	Status Available Available Available In Use	▲ Device Name AN1PD_1000137 AN1PD_1000854 AN1PD_1001309 AN1PD_1001765	

The Portable Device Manager adds a second Start Page to Sleepware G3. This new start page is in addition to the Acquisition List start page. You can click on the toggle icon to switch between the two. This new Start Page is called the **Patient and Device Start Page**. You can quickly see which devices are available and ready for testing, which are in use, and track where a patient is in the home sleep test process. A user can also see a list of patients that are currently in the testing workflow for portable tests, and PSG tests.



How to add a patient to the dashboard

1. Tools > Patient List

G3 Sleepware G3 - Demonstration Device	e. Not for Therapeutic or D	Viagnostic Use. Not for Sale.
File Edit View Scoring Devi	ces Report Video	Tools Workspaces Window Help
Alice PDx	Alice NightOne No signal	Acquisition File Management
	- No signar	Clinical Results Query
Configuration Start Page		Database Administration
🚔 🌁 🚽 👀 🔐 🔊 (°) 📓 🧏		National List
		🔶 Physician List
Patient Workflow Dashboard		🐡 Portable Device Manager
Name	Status	ACCIUN
Wagner, H	New Patient	Provide Device Training
Moose, Bob	Received Device Traini	ing Configure Device
BluetoothPAP, NightOne	New Acquisition	Open 00000004-AN1PD1000032
Sparrow, J	New Acquisition	Open 00000034-AN1PDEP07482
Clemente, R	Scoring	Open 00000008-AN1PD1000854
Lincoln, A	Verified	Open 00002519-A5BS00077
		•



How to add a patient to the dashboard

Step 2: Select "Add"

	Patient List						$\overline{\mathbf{X}}$
	Last Name:						Q Search
	ID:						
	Referring Physici	an:	All				•
	Interpreting Phys	sician:	All				▼
	Location:		All				-
	Last Name	First Name	ID	Birth Date	Phone	Referring Physician	Interpreting Physician 🔺
	20876	Site 3	20876	1/1/1970			
	300729	Site 1	300729	1/1/1970			
	300762	Site 1	300762	1/1/1970			
	400626	Site 1	400626	1/1/1970			
	961	Site 1	961	1/1/1970			=
	AdultPatient	Tester	AdultPatient0	6/6/1971			_
	Angstadt	Fred	1234567a	1/7/1980			
	Blass	Steve	Blass	3/8/1977			
	BluetoothPAP	NightOne	bluetooth	4/27/1975			
	Buttercup	Sparky	buttercup	6/15/1955			
	С	Rob	Rob001	10/13/1976			
	Clemente	R	Pirates21	3/6/1977			
	D1	D1	D1	11/22/1976			
	D2	D2	D2	11/22/1976			
	D33	D3	D3	11/22/1976			
	D4	D4	D4	11/28/1976			
	D5	D5	D5	11/28/1976			
	Dashboard	Confessional	DashboardTest	1/19/1977			
l	EEG	TEST	23233	9/26/1980			-
	Add	Modify	Delete				Close
33) patients						
_							

Device and Patient Dashboard How to add a patient to the dashboard

Step 3: Add, at minimum, required fields: Last Name, First Name and Patient ID (ID must be unique)

Patient List		\mathbf{X}
Last Name: ID:	Patient Info	Search
Referring Physicia	Patient Stats Medications Referring Physician Interpreting Physician General	1
Interpreting Physi	Patient Information	
Location:	Last Name:	
Last Name /	First Name:	ing Physician 🔺
20876	Middle Name: Patient ID:	
300729 300762	Birth Date: May 01, 1977	
400626 961	Gender: 💿 Male 💿 Female	=
AdultPatient Angstadt	Contact Info	
Blass BluetoothPAP	Address: Phone 1:	
Buttercup C	Phone 2:	
Clemente	City: Fax:	
D1 D2	State:	
D33	Zip Code:	
D4 D5	Email:	
Dashboard EEG	Add Photo OK Cancel	1
_·	Add Photo OK Cancel	
Add		Close
33 patients		



How to add a patient to the dashboard

Step 4: Select the General Tab. Under the Awaiting Acquisition section, choose the test in which the patient will undergo.

Patient Info
Patient Patient Stats Medications Referring Physician Interpreting Physician General
Location
Location: None 🔻
Acquisition Order Number
Order Number:
Awaiting Acquisition
 None Awaiting Portable Acquisition Awaiting In-Lab Acquisition
Add Photo OK Cancel

The default selection is Awaiting Portable Acquisition. If unchanged, the patient you are adding will be added to the Patient Workflow Dashboard with the status of "New Patient" and the Action state of "Provide Device Training."

If the selection is changed to Awaiting in-lab acquisition, this patient will appear on the Patient Workflow dashboard list as soon as the in-lab sleep study from Alice 6 integrates to Sleepware G3.

If None is selected, the patient and the acquired acquisition, portable or in-lab, will only appear on the traditional Acquisitions List Start Page.

PHILIPS

Device and Patient Dashboard How to add a patient to the dashboard

The patient just added with 'Awaiting Portable Acquisition' selected, now appears on the Patient Workflow Dashboard with the status of "New Patient" and the Action state of "Provide Device Training".

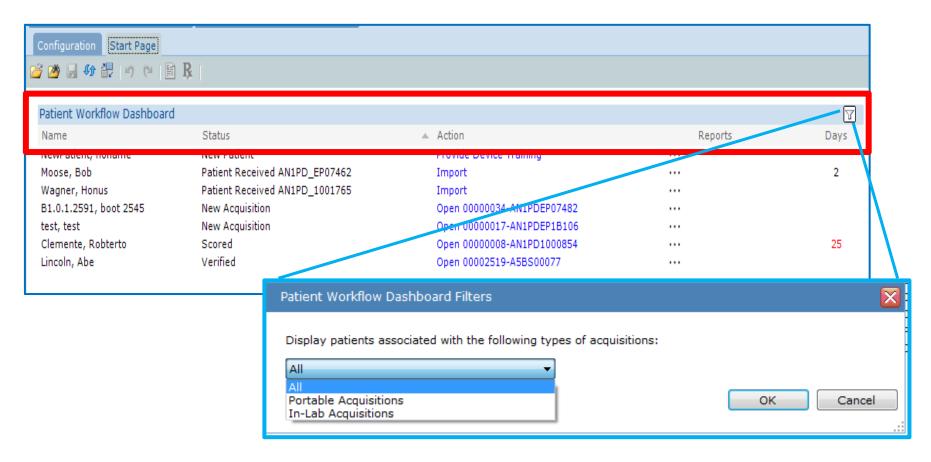
onfiguration Start Page) R			
utione Wohllow Daahboard				
Name	Status	 Action 	Reports	Days
NewPatient, noname	New Patient	Provide Device Training		
Nagner, Honus	Patient Received AN1PD_1001765	Import		-
31.0.1.2591, boot 2545	New Acquisition	Open 00000034-AN1PDEP07482		
est, test	New Acquisition	Open 00000017-AN1PDEP1B106		
Clemente, Robterto	Scored	Open 0000008-AN1PD1000854		25
incoln, Abe	Verified	Open 00002519-A5BS00077		



Patient Workflow Dashboard Details

Columns:

Patient Name, Status, Action, Ellipses, Reports and Days. There is also a filter icon that allows you to filter by portable or in-lab acquisitions.





Patient Workflow Dashboard

The Status column:

The Status column reflects where a patient is in the workflow cycle. The status for portable testing will change to the current state in the process when the action is changed. The various states are New Patient, Received Training, Configured, Dispatched, Patient Received Device, New Acquisition, and if the acquisition states are configured, Scoring, Scored, Verifying and Verified will also be available.

Configuration Start Page				
j 🖄 🗟 🚯 🚼 🖉 🖉 📓] Ŗ			
Patient Workflow Dashboard	I			7
Name	Status	 Action 	Reports	Days
NewPatient, noname	Received Device Training	Configure Device		
Moose, Bob	Patient Received AN1PD_EP07462	Import		2
Wagner, Honus	Patient Received AN1PD_1001765	Import	•••	
B1.0.1.2591, boot 2545	New Acquisition	Open 00000034-AN1PDEP07482		
test, test	New Acquisition	Open 00000017-AN1PDEP1B106		
Clemente, Robterto	Scored	Open 00000008-AN1PD1000854		25
Lincoln, Abe	Verified	Open 00002519-A58S00077		



Patient Workflow Dashboard

The Action column:

The action displayed in this column is dependent on what step is next in the workflow process. The action items on the list are hyperlinks. If you click on an action, the action that corresponds with the current step in the workflow process is presented. The actions to take are Provide Device Training, Configure Device, Mark as Dispatched, Mark as Received, Import, and Open.

Configuration Start Page				
ž 🖄 🗟 🚯 🔐 🖉 🖉] R			
Definition of the problem				
Patient Workflow Dashboard	l de la constante de			Y
Name	Status	 Action 	Reports	Days
NewPatient, noname	New Patient	Provide Device Training		
Moose, Bob	Patient Received AN1PD_EP07462	Import		2
Wagner, Honus	Patient Received AN1PD_1001765	Import		
B1.0.1.2591, boot 2545	New Acquisition	Open 00000034-AN1PDEP07482		
test, test	New Acquisition	Open 00000017-AN1PDEP1B106		
Clemente, Robterto	Scored	Open 00000008-AN1PD1000854		25
Lincoln, Abe	Verified	Open 00002519-A5BS00077		

In the next few slides we will initiate each task to outline the stages of the workflow process for portable testing.

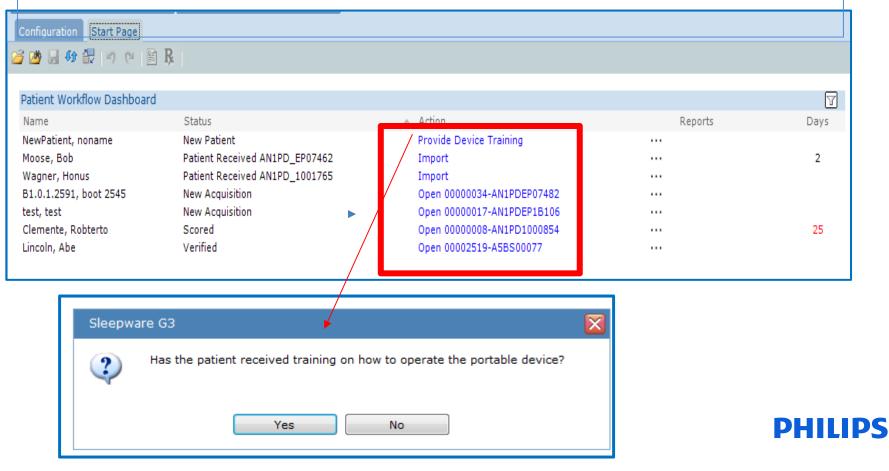


Patient and Device Workflow Dashboard

Step 1:

Select Provide Device Training in the Action column. A dialog box appears asking "Has the patient received training on how to operate the portable device?"

If Yes is selected, the Action then automatically changes to "Configure Device," which is the next step in the process. The Status column automatically changes to "Received Device Training." If No is selected, the current action and status will remain.

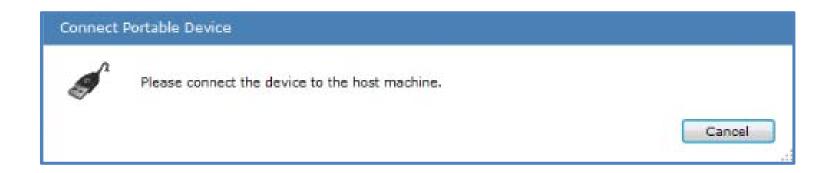


Patient and Device Workflow Dashboard

Step 2: Configure Device

Status	Action
Received Device Training	Configure Device

The next step is to select the Action "Configure Device." Once Configure Device is selected, this message appears: "Please connect the device to the host machine."





Configure the device.

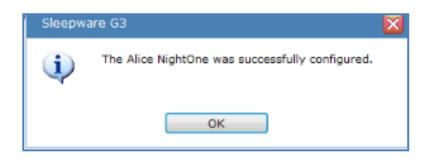
	nt Stats	Program Start Goo	d Study Indicator	
Patient In	nformati	on		
Last Nam	e: 1	Einstein		
First Nam	6:	Albert		
Middle Na	me:			
Patient IC	22	e=mc2		Photo Not Available
Birth Date	11	January 30,	1977	Filles Hel Available
Gender:		Male	🔘 Female	
Acquisitio		95800 : Unatt	ended sleep study	Select
Order Nu	1124200			
Configura		→	(terrest	
Assign To	:	Conceptual and the second s	ISA	
Device St	orage S		y_BiLevel y_CPAP	
0.89832 2	tudies:		0	
Existing 5	Space:		3.55 GB	
Existing S Available		-	0.0	
	Recordin	g Time (Hrs):	0.0	

Once the portable device is connected, The Alice NightOne Configuration Page appears. Enter the patient information, desired device settings, and select the configuration. In this example, we selected **Basic_OSA configuration**

Select Send to complete.



ain Patient St	ats Program Start Go	od Study Indicator		
Patient Inform	nation			
Last Name:	Einstein			
First Name:	Albert			
Middle Name:		1		
Patient ID;	e=mc2		Photo Not Available	
Birth Date:	January 30	, 1977 🔲 =	L'ECHER THEFT THE BUILDER	
Gender:	(ii) Male	Female		
Acquisition Typ	95800 : Unat	tended sleep study	Select	
Order Number				
Configuration:	Basic_OSA		•	
Assign To:	Dawn		•]	
Device Storag	ie Status			
Existing Studie	IS:	0		
Available Space	:e:	3.55 GB		
Available Reco	ording Time (Hrs):	586.4		



After selecting Send, a status message appears to say the configuration is being sent. This is followed by a message confirming that the device has been successfully configured.





Patient Workflow Dashboard			
Name	Status	Action	Reports
Moose, Bob	Configured AN1PD_EP07462	Mark as Dispatched	
Moose, Bob	Configured ANIPD_EP07482	Mark as Dispatched	
B1.0.1.2591, boot 2545			
D1.0.1.2391, 0000 2343	New Acquisition	Open 00000034-AN1PDEP07482	
test, test	New Acquisition New Acquisition	Open 00000034-AN1PDEP07482 Open 00000017-AN1PDEP1B106	
test, test		Open 00000017-AN1PDEP1B106	

Delivery Details for AN1PD_EF	07462	×
Delivery Method:		
Tracking Number:		
		OK Cancel

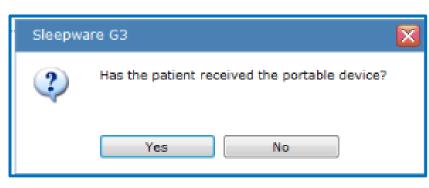
Delivery Details for AN1PD_EP	07462	
Delivery Method: Tracking Number:	Patient Pickup USPS UPS FedEx	
Delivery Details for AN1PD_EP	07462	
Delivery Method: Tracking Number:	FedEx FedExTracking#12345	_
-		

The next action in the workflow is to "Mark as Dispatched." Once selected, the Delivery Details box appears. Use the drop-down to select a delivery option. If using USPS, UPS, or FedEx, you can then add the tracking number.

**The tracking number will not link to the website for the corresponding delivery company to follow delivery status. This space is for reference only.



ile Edit View S Alice NightOne		Video Tools Workspaces Win	dow Help			PHILIPS
Configuration Start 1	Page					RESPIRONICS
· · 法 · · ·	cv ⊨ B					
Patient Workflow Da	shboard			V	Portable Device	Dashboard
Name	Status	Action	Reports	Days	Status	- Device Name
Moose, Bob	New Patient	Provide Device Training			Available	AN1PD_1000301 .
NewPatient, noname	New Patient	Provide Device Training			🛹 Available	AN1PD_1000854 ·
Sanguillen, Manny	New Patient	Provide Device Training		15	🛷 Available	AN1PD_1001309 ·
Stargell, Willie	New Patient	Provide Device Training		15	🛷 Available	AN1PD_EP07462 .
test, test	New Patient	Provide Device framing			🚺 In Use	AN1PD_1000137 .
Einstein, Albert	Dispatched AN1PD_1000137	Mark as Received		1	🚺 In Use	AN1PD_1001765 ·
B1.0.1.2591, boot 2.	New Acquisition	Open 00000034-AN1PDEP074				
Clemente, Robterto	Scored	Open 00000008-AN1PD10008		16		
Angstadt, Fred	Verified	Open 00000054-005555	···· 📓 🜆			
Lincoln, Abe	Verified	Open 00002519-A5BS00077				
	6					



The next Action will be "Mark as Received." The status will be "Dispatched." Once it is confirmed that the patient received the device, click on "Mark as received." The message at left is displayed. Select Yes to advance to the next level. (If No is selected, the action and status remain the same.)



The Action column will be set to "Import" for the device data once the patient returns the device.

Patient Received AN1PD_1000.	Import
New Patient	Provide Device Training

Once "Import" is selected, the Alice NightOne device Must be connected to the PC, if it has not been already.

Cancel

Connect Alice NightOne Device The import operation requires the Alice NightOne device to be connected to the host machine. Please connect device "AN1PD_1000137" to the host machine.



Device Import: Once "Import" is selected, the Alice NightOne device will need to be connected to the PC. Once connected the device will enter the download mode and the "Import Alice NightOne Acquisition(s) box appears. Import the study.







Importing data

Once the data is imported, the status of the acquisition changes to "New Acquisition" and the Action changes to "**Open**" letting you know the sleep study is ready for scoring and interpretation.

The Action status for imported acquisitions will remain as "Open" for all status changes that attribute to managing a sleep study state, such as Scoring, Scored, Verifying, and Verified.

ame	Status	Action		Reports	D	ays
loose, Bob	New Patient	Provide Device Training				
ewPatient, noname	New Patient	Provide Device Training				
anguillen, Manny	New Patient	Provide Device Training				15
targell, Willie	New Patient	Provide Device Training			-	15
est, test	New Patient	Provide Device Training				
agner, Honus	Patient Received AN1PD_1001	Import				
1.0.1.2591, boot 2	New Acquisition	Open 00000034-AN1PDEP074				Routine Maintena
instein, Albert	New Acquisition	Open 00000001-AN1PD10001	. 🕒	Explore Selection	_	
lemente, Robterto	Scored	Open 00000008-AN1PD10008			_	
ngstadt, Fred	Verified	Open 00000054-005555		Patient Details		
incoln, Abe	Verified	Open 00002519-A5BS00077		Assigned To	•	
	10.17.0.0000000			State	•	New
						Scoring Scored
The last step	after verified is to mark					Verifying Verified
	s Complete. This will rem					venned



The Patient and Device Workflow Dashboard

The Status and Action columns for patient workflow, and the status column for devices correspond with one another through each step of the patient and device workflow. *The table below considers *one* patient entering the workflow and is assigned to *Device 1*.

The in-use indicators in the patient workflow Status column, such as Configured, Dispatched, and Patient Received device, appear as "In Use" for status in the Portable Device Status column.

Patient Workflow Dashboard		Portable Device Dashboard		
Status	Action	Status	Device Name	
New Patient	Provide Device Training	Available	Device 1	
Received Device Training	Configure Device	Available	Device 1	
Configured	Mark as Dispatched	In Use	Device 1	
Dispatched	Mark as Received	In Use	Device 1	
Patient Received	Import	In Use	Device 1	
New Acquisition	Open	Returned > Available	Device 1	
Scoring, Scored, Verifying, Verified	Open	Available	Device 1	
Completed	Removes patient from the list	Available	Device 1	



The Patient and Device Workflow Dashboard

Once a device is returned and the study imported, the device status changes to Returned. You must click on "Returned" in order to advance to the next state. If you had set up a custom state such as "Device cleaning" then this state will appear next in the Workflow. If additional custom states have not been created, the status will change to "Available."

New PatientProvide Device TrainingAvailableDevice 1Received Device TrainingConfigure DeviceAvailableDevice 1ConfiguredMark as DispatchedIn UseDevice 1DispatchedMark as ReceivedIn UseDevice 1Patient ReceivedImportIn UseDevice 1New AcquisitionOpenReturned >Device 1	Patient Workflow Dashboard		Portable Device Dashboard		
Received Device TrainingConfigure DeviceAvailableDevice 1ConfiguredMark as DispatchedIn UseDevice 1DispatchedMark as ReceivedIn UseDevice 1Patient ReceivedImportIn UseDevice 1New AcquisitionOpenReturned >Device 1	Status	Action	Status	Device Name	
ConfiguredMark as DispatchedIn UseDevice 1DispatchedMark as ReceivedIn UseDevice 1Patient ReceivedImportIn UseDevice 1New AcquisitionOpenReturned >Device 1	New Patient	Provide Device Training	Available	Device 1	
DispatchedMark as ReceivedIn UseDevice 1Patient ReceivedImportIn UseDevice 1New AcquisitionOpenReturned >Device 1	Received Device Training	Configure Device	Available	Device 1	
Patient ReceivedImportIn UseDevice 1New AcquisitionOpenReturned >Device 1	Configured	Mark as Dispatched	In Use	Device 1	
New Acquisition Open Returned > Device 1	Dispatched	Mark as Received	In Use	Device 1	
	Patient Received	Import	In Use	Device 1	
	New Acquisition	Open	Returned > Available	Device 1	
Scoring, Scored, Verifying, Verified Open Available Device 1	Scoring, Scored, Verifying, Verified	Open	Available	Device 1	
Completed Removes patient from the list Available Device 1	Completed	Removes patient from the list	Available	Device 1	



Portable Device Manager

Portable Device and Patient Dashboard

The Ellipses Column explained



Device and Patient Dashboards: Ellipses

Additional actions for the patient and device workflow are available on the dashboard by clicking on the Ellipses (. . .) column for the corresponding patient.

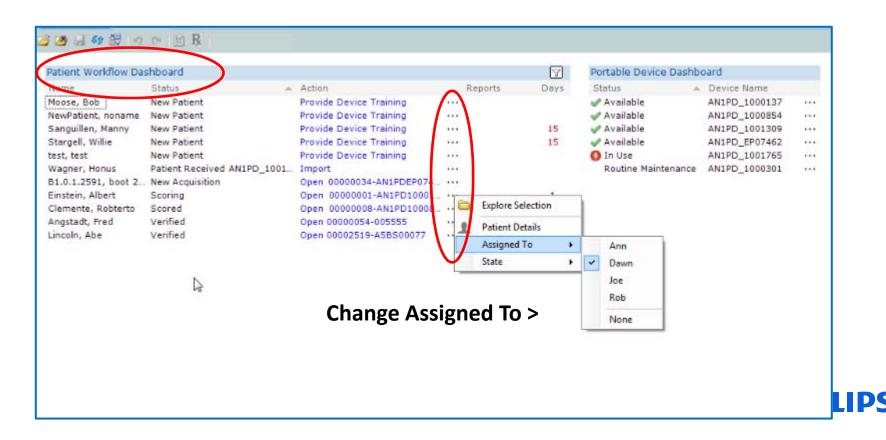
In the next few slides, we will cover what can be found by selecting the ellipses during various stages of the workflow cycle for both the patient and the device i.e., when the device is In Use and Available.

Patient Workflow Da	shboard			7		Portable Device Dashl	board
Name	Status 🌧	Action	Re	ports Days		Status	 Device Name
loose, Bob	New Patient	Provide Device Training	(m)			Available	AN1PD_1000137
NewPatient, noname	New Patient	Provide Device Training	111			🛹 Available	AN1PD_1000854
anguillen, Manny	New Patient	Provide Device Training		15		🛹 Available	AN1PD_1001309
Stargell, Willie	New Patient	Provide Device Training		15		Available	AN1PD_EP07462
test, test	New Patient	Provide Device Training	***			🚺 In Use	AN1PD_1001765
Wagner, Honus	Patient Received AN1PD_1001	Import				Routine Maintenance	AN1PD_1000301
B1.0.1.2591, boot 2	New Acquisition	Open 00000034-AN1PDEP07					
Einstein, Albert	Scoring	Open 00000001-AN1PD1000	- 'Ten				
Clemente, Robterto	Scored	Open 00000008-AN1PD10008		Explore Selection			•
Angstadt, Fred	Verified	Open 00000054-005555	**	Patient Details			
Lincoln, Abe	Verified	Open 00002519-A5BS00077		Assigned To		4	
				-	•	Ann	
			\mathbf{V}	State	•	 Dawn 	
	B		_			Joe	
	45					Rob	
			_	_			
		Change Ass	signe	ed To >		None	
			.9		-		

Patient Dashboard: Ellipses

For a study that has been imported:

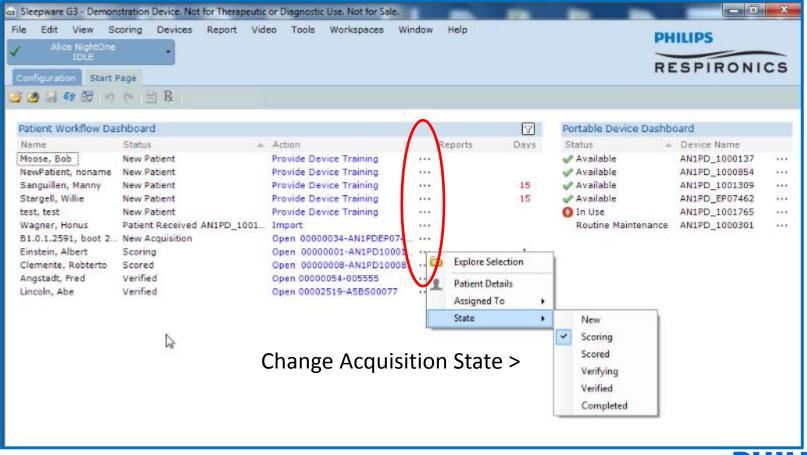
Once the acquisition is imported and ready for scoring, the **Ellipses** (...) column is accessed by clicking on the three dots for the patient whose information you'd like to view. For this situation, the ellipses allow you to quickly view all files associated with the patient record (Explore Selection), view patient details, change who the study is assigned to, and last, allows you to change the state of a study.



Patient and Devices Start Page Patient Dashboard Ellipses

For an acquisition that has been imported:

Changing acquisition state: Left-click on the ellipses (...) and select State from the drop-down menu.

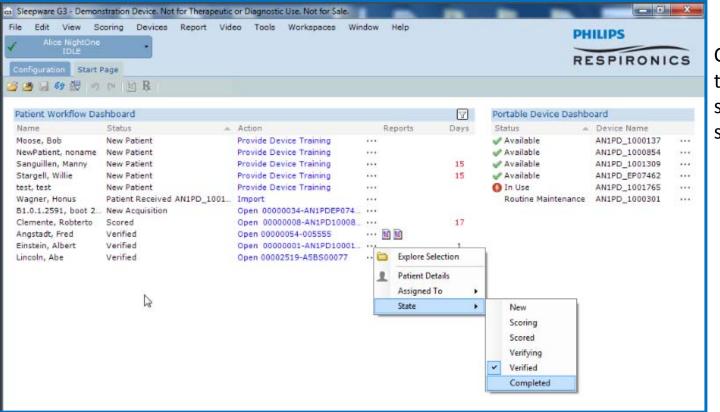




Patient and Devices Start Page Patient Dashboard

Upon completion of the workflow process:

Changing acquisition state to complete: Left-click on the ellipses (...) and select State > Completed from the drop-down menu.



Changing a status to the Completed state will remove a study from the list.



Patient and Devices Start Page Patient Dashboard

Ellipses for a new patient who has not been assigned a device: Only the ability to view "Patient Details" is available when accessing the ellipses for a patient who has not been assigned a device.

Name	Status	 Action 	
NewPatient, noname	Received Device Training	Configure Device	· · ·
Moose, Bob	Patient Received AN1PD_EP07462	Import	•• 👤 🛛 Patient Details
Wagner, Honus	Patient Received AN1PD_1001765	Import	
B1.0.1.2591, boot 2545	New Acquisition	Open 00000034-AN1PDEP07482	
test, test	New Acquisition	Open 00000017-AN1PDEP1B106	
Clemente, Robterto	Scored	Open 00000008-AN1PD1000854	
Lincoln, Abe	Verified	Open 00002519-A5BS00077	

Ellipses for a patient who has been assigned a device:

The ability to view Patient Details, Device Details, and Delivery Details is available when accessing the ellipses for a patient who has been assigned a device.

Patient Workflow Dashboard	1		
Name	Status	Action	Peports
NewPatient, noname	Received Device Training	Configure Device	
Moose, Bob	Patient Received AN1PD_EP07462	Import	
Wagner, Honus	Patient Received AN1PD_1001765	Import	💀 🡤 🛛 Patient Details
B1.0.1.2591, boot 2545	New Acquisition	Open 00000034-AN1PDEP07482	· · · · · · · · · · · · · · · · · · ·
test, test	New Acquisition	Open 00000017-AN1PDEP1B106	🐡 Device Details
Clemente, Robterto	Scored	Open 0000008-AN1PD1000854	🗤 😙 🛛 Delivery Details
Lincoln, Abe	Verified	Open 00002519-A5BS00077	



Patient and Devices Start Page Patient Dashboard

Ellipses for a patient who has been assigned a device:

Selecting Device Details allows you to view the state of the device as well as offer the ability to add delivery method information such as Patient Pickup, USPS, UPS and FedEx. You can also add a tracking number if applicable.

Patient Workflow Dashboard			
Name	Status	Action	Peparts
NewPatient, noname Moose, Bob Wagner, Honus B1.0.1.2591, boot 2545 test, test Clemente, Robterto Lincoln, Abe	Received Device Training Patient Received AN1PD_EP07462 Patient Received AN1PD_1001765 New Acquisition New Acquisition Scored Verified	Configure Device Import Import Open 00000034-AN1PDEP07482 Open 00000017-AN1PDEP1B106 Open 0000008-AN1PD1000854 Open 00002519-A5BS00077	Patient Details Device Details Oelivery Details

Portable Device Info		X
Device Information		
Name:	AN1PD_1001765	
State:	Received by Patient	
Туре:	Alice NightOne	
Serial Number:	AN1PD1001765	
Delivery Method:	I 🔽	
Tracking Number:	Patient Pickup USPS UPS FedEx	
Patient Information	COLX	
Patient Name:	Wagner, Honus	
Patient ID:	Pirates3	
	OK Cance	ا :::



Patient and Devices Start Page Portable Device Dashboard Section



Shows the state of the device, if it's available, in use, or assigned one of the non-usage states.

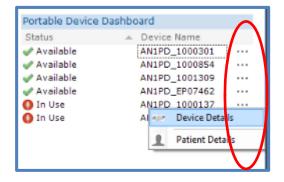
The ellipses (...) can provide additional details for the device and/or patient depending on the status.



Patient and Devices Start Page Ellipses Actions for Portable Device Dashboard

Portable Device Dashboard		
Status Vailable Available	AN1PD_1000137 AN1PD_1000854 Device	 Details
 Available In Use In Use Out of Service 	AN1PD_1001309 AN1PD_1001765 AN1PD_EP07462 AN1PD_1000301	···· ···· ····

If a device is available, only the device details are visible.

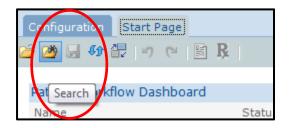


If a device is in use, both device details and patient details are available to view via the ellipses.



Tip: Changing the state of several studies to "Complete" at once





To remove patients from the Device and Patient Workflow Dashboard Start Page, you must mark the study status as Completed. It is possible to change the status for multiple studies through the Database Acquisition Search Utility. To access, select the Search folder on the Sleepware G3 toolbar.

Database Acq	uisition Search										×
Search By											
Last Name:					Acquired Da	te:	Cu	istom		–	Search
Patient ID:					From Dat	te:	J	anuary 01, 19	80		
Acquisition Sta	ate: All			•	To Date:			May 01, 20	17	-	
Assigned To:	All			-	Location:		All			•	
Show archi	ived acquisitions										
Acq Num (Device	Last Name	First Name	Birth Date	Patient ID	Acq Date	Duration	State	Assigned To	Interpreting Phys.	Referrii ^
00000001	AN1PD1000	Einstein	Albert	1/30/1977	e=mc2	3/22/2017	0:01:22	Completed	Dawn		
00000001	AN1PD1000	W	Jim	12/7/1974	123	4/27/2015	6:56:44	Completed	None		
00000004	AN1PD1000	BluetoothPAP	NightOne	4/27/1975	bluetooth	4/27/2015	5:07:42	Verified	None		
0000008	AN1PD1000	Clemente	R	3/6/1977	Pirates21	3/7/2017	4:44:30	Verified	Dawn		=
0000009	AN1PD1000	Blass	Steve	3/8/1977	Blass	3/8/2017	0:02:00	Completed	None		
00000017	AN1PDEP1B	Ron	Fontane	3/16/1977	test	10/9/2014	7:12:08	Completed	None		
00000025	AN1PD1000	С	Rob	10/13/1976	Rob001	2/22/2016	0:30:00	Completed	Rob		
00000027	AN1PD1000	D1	D1	11/22/1976	D1	12/1/2016	0:04:39	Completed	None		
0000034	AN1PDEP07	Sparrow	3	4/3/1975	time shorter	4/10/2015	1:03:51	Verified	None		
00000050	AN1PDEP07	Greg	S	3/21/1976	sleeptesting	4/15/2016	5:01:41	Completed	Rob		
00000052	4	LegacyImport	AcqComments	4/13/1957	LEGACY_Mik	8/15/2003	1:27:13	Completed	Rob		
00000052	AN1PDEP07	Buttercup	Sparky	6/15/1955	buttercup	1/25/2017	9:07:51	Completed	None		
00000054	005555	Angstadt	Fred	1/7/1980	1234567a	5/22/2011	5:29:50	Completed	None		
00000054	AN1PDEP07	Buttercup	Sparky	6/15/1955	buttercup	1/26/2017	4:43:56	Completed	None		
00000828	APDXRN01	D2	D2	11/22/1976	D2	12/1/2016	0:03:28	Completed	Rob		-
¥											Þ
Delete	Status	Open									Close
25 acquisitions											

**Note: It is recommended that studies be removed from the Patient and Device Dashboard Workflow Start Page as they are completed so that Sleepware G3 performs optimally and is not bogged down by excess data to load. If you wish to avoid managing patients on the dashboard altogether, you must select "None" under the General tab when adding a patient to Sleepware G3. (From the main toolbar select Tools > Patient List > Add > General).



Changing study status to Completed for multiple studies:

Select all of the studies whose status you would like to change to Completed by left-clicking on the first one on the list to highlight it, and then holding the **Ctrl** key down as you select others.

Next, click on the Status button at the bottom of the page, choose the Completed status from the drop-down, and then select OK.

Database Ac	quisition Searcl	h											
Search By													
Last Name:					Acquire	ed Date:		C	ustom		*	Q	Search
Patient ID:					Fro	m Date:			lanuary 01, 19	80	-		
Acquisition S	tate: All			•	То	Date:			May 01, 20	17	v		
Assigned To:	All			•	Location:			A	1		•		
Show arch	hived acquisition	s											
Acq Num /	Device	Last Name	First Name	Birth Date	Patient ID	A	cq Date	Duration	State	Assigned To	Interp	reting Phys.	Referrii *
00000001	AN1PD1000	Einstein	Albert	1/30/1977	e=mc2	3/	/22/2017	0:01:22	Completed	Dawn			
0000001	AN1PD1000	W	Jim	12/7/1974	123	4/	/27/2015	6:56:44	Completed	None			
00000004	AN1PD1000	BluetoothPAP	NightOne	4/27/1975	bluetooth	4/	/27/2015	5:07:42	Verified	None			
0000008	AN1PD1000	Clemente	R	3/6/1977	Pirates21	3/	/7/2017	4:44:30	Verified	Dawn			_
00000009	AN1PD1000	Blass	Steve	3/8/1977	Blass	3/	/8/2017	0:02:00	Completed	None			-
00000017	AN1PDEP1B	Ron	Fontane	3/16/1977	test	10	0/9/2014	7:12:08	Completed	None			
0000025	AN1PD1000	C	Rob	10/13/1976	Rob001	2/	/22/2016	0:30:00	Completed	Rob			
0000027	AN1PD1000	D1	D1	11/22/1976	D1	13	2/1/2016	0:04:39	Completed	None			
0000034	AN1PDEP07	Sparrow	J	4/3/1975	time shorte	er 4/	/10/2015	1:03:51	Verified	None			
0000050	AN1PDEP07	Greg	S	3/21/1976	sleeptestin	ng 4/	/15/2016	5:01:41	Completed	Rob			
0000052	4	LegacyImport	AcqComments	Update Acquisitio	on Chature				mpleted	Rob			
0000052	AN1PDEP07	Buttercup	Sparky		on Status				mpleted	None			
00000054	005555	Angstadt	Fred		-				mpleted	None			
00000054	AN1PDEP07	Buttercup	Sparky	New State:	Co	mpleted			 mpleted 	None			
00000828	APDXRN01	D2	D2			me as cu	irrent		mpleted	Rob			+
11		Sold A		New Assignment:	: Nev	w oring							•
Delete	Status	Open			Sco Ver Ver	ored rifying rified							Close
acquisitions				3 acquisitions selecte		mpleted							
				acquisitions selecte	eu								

**Note: It is recommended that studies be removed from the Patient and Device Dashboard Workflow Start Page as they are completed so that Sleepware G3 performs optimally and is not bogged down by excess data to load. If you wish to avoid managing patients on the dashboard altogether, you must select "None" under the General Tab when adding a patient to Sleepware G3. (From the main toolbar select Tools > Patient List > Add > General.)



Changing study status to Completed for multiple studies

The study Status will change to "Completed." The selected studies will no longer appear on the Patient and Device Dashboard Workflow Start Page.

Database Acc	uisition Search										×
Search By											
Last Name:					Acquired Da	ite:	C	ustom			Search
Patient ID:					From Da	te:		January 01,19	80		
Acquisition Sta	ate: All			•	To Date:			May 01,20	17		
Assigned To:	All			•	Location:		A	1		•	
Show arch	ived acquisitions										
Acg Num /	Device	Last Name	First Name	Birth Date	Patient ID	Acq Date	Duration	State	Assigned To	Interpreting Phys.	Referrii *
00000001	AN1PD1000	Einstein	Albert	1/30/1977	e=mc2	3/22/2017	0:01:22	Completed	Dawn		
00000001	AN1PD1000	W	Jim	12/7/1974	123	4/27/2015	6:56:44	Completed	None		
00000004	AN1PD1000	BluetoothPAP	NightOne	4/27/1975	bluetooth	4/27/2015	5:07:42	Completed	None		
00000008	AN1PD1000	Clemente		3/6/1977	Pirates21	3/7/2017	4:44:30	Completed	Dawn		_
00000009	AN1PD1000	Blass	Steve	3/8/1977	Blass	3/8/2017	0:02:00	Completed	None		=
00000017	AN1PDEP1B	Ron	Fontane	3/16/1977	test	10/9/2014	7:12:08	Completed	None		
00000025	AN1PD1000	С	Rob	10/13/1976	Rob001	2/22/2016	0:30:00	Completed	Rob		
00000027	AN1PD1000	D1	D1	11/22/1976	D1	12/1/2016	0:04:39	Completed	None		
00000034	AN1PDEP07	Sparrow	J	4/3/1975	time shorter	4/10/2015	1:03:51	Completed	None		
00000050	AN1PDEP07	Greg	S	3/21/1976	sleeptesting	4/15/2016	5:01:41	Completed	Rob		
00000052	4	LegacyImport	AcqComments	4/13/1957	LEGACY_Mik	8/15/2003	1:27:13	Completed	Rob		
00000052	AN1PDEP07	Buttercup	Sparky	6/15/1955	buttercup	1/25/2017	9:07:51	Completed	None		
00000054	005555	Angstadt	Fred	1/7/1980	1234567a	5/22/2011	5:29:50	Completed	None		
00000054	AN1PDEP07	Buttercup	Sparky	6/15/1955	buttercup	1/26/2017	4:43:56	Completed	None		
00000828	APDXRN01	D2	D2	11/22/1976	D2	12/1/2016	0:03:28	Completed	Rob		-
											•
											,
Delete	Status	Open									Close

**Note: It is recommended that studies be removed from the Patient and Device Dashboard Workflow Start Page as they are completed so that Sleepware G3 performs optimally and is not bogged down by excess data to load. If you wish to avoid managing patients on the dashboard altogether, you must select "None" under the General Tab when adding a patient to Sleepware G3. (From the main toolbar select Tools > Patient List > Add > General.)



Thank You



Note: Screenshots are from the Sleepware G3 software and may differ from your version of Sleepware. Disclaimer: Screenshots may change based on software version.

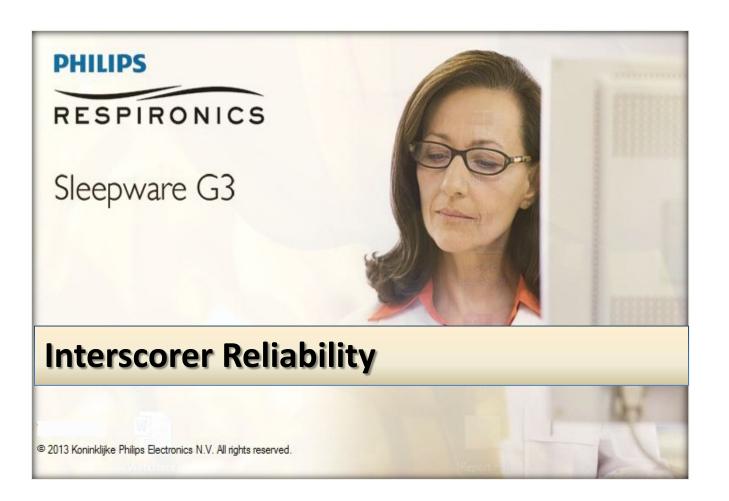


Consult Sleepware G3's online help for additional information.

1134645 R00 RPM 05/08/2017

PHILIPS sense and simplicity

G3 Training Module



* Note: Screenshots are from the Sleepware G3 Software and Online Help.



TABLE OF CONTENTS

Inter-Scorer Reliability	. 4
How to Setup Inter-Scorer Location	. 4
Adding Scorers	. 6
Cleanup Operations	10
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 $\ensuremath{^*\textit{Note}}$: Screenshots are from the Sleepware G3 Software and Online Help.

Inter-Scorer Reliability

The Inter-Scorer Reliability (ISR) System is a tool that allows sleep labs to perform quality assurance testing on their scoring results. Separate acquisitions are created for the ISR Administrator and each of the scorers. These acquisitions are referred to as the ISR Administrator and the ISR Scorer acquisitions.

Each ISR comparison will have exactly one ISR Administrator acquisition and a separate ISR Scorer acquisition for each scorer. The ISR acquisitions are completely separate from the original PSG acquisition that was used to create the ISR comparison. The PSG acquisition is used only during ISR setup and remains unchanged.

- Only a user with Inter-Scorer Reliability Admin privileges can specify the setup parameters for an acquisition in Inter-Scorer Mode. *Hint:* It is best to assign only one or two people as the administrator allowing these people to have availability of specific functions in the software.
- The Sleepware G3 database must be in use.
- The Manage Users option must be selected in the Users window.

How to Setup Inter-Scorer Location

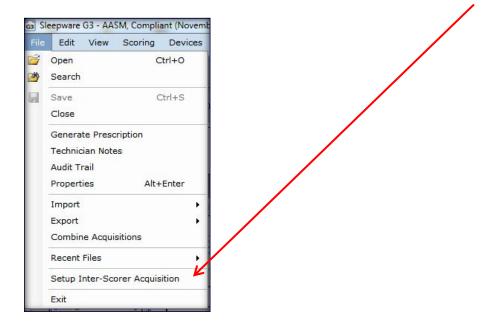
NOTE: This is for initial setup only

Computer ► sleepware q3 (\\sleepserver2008) (S:) ► Acquisitions ► Organize • New folder Burn Name Favorites Desktop 00000016-APDx12196 Downloads 00000054-005555 Recent Places 00000150-A5BS06229 00001679-A5BS00007 Libraries 00020016-A5BS00923 Documents 00020017-A5BS00923 Music 00020018-A5BS00923 Pictures 00040066-LEBS13009 Videos Interscorer

(Working Folder):\Acquisitions\Interscorer

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

Once the Interscorer location has been setup, the Interscorer administrator needs to select the acquisition to be used for concordance. In order to begin this process, you must be the Inter-Scorer administrator and you must "manage users" (i.e., have users set up under 'users and groups' in the configuration tab).



Open the selected record and go to File > Setup Inter-Scorer Acquisition

The ISR Administrator performs all administrative operations related to the ISR comparison: Specify ISR setup parameters. The Parameters are:

Inter-Scorer ID:

Working Folder:

Inter-Scorer Mode Setup General Information

- Inter-Scorer ID •
- Working Folder •
- Comparison Range 🔍 •

 Initial Scoring Set Current Scoring Set 	Comparison Range: Time In Bed (TIB) period of this acquisiton Epochs 43 to 243
	Initial Scoring Set Initial scoring set for each scorer: Current scoring set (user and auto scoring) Auto scoring set No scoring
Note : The initial scorer does not have to be the master scorer.	 ✓ No scoring ✓ Current Scoring Set ✓ Use the current scoring set (user and auto scoring) as the initial scoring set for user:
	Barbara

3rd Quarter 2012

E:\ACQUISITIONS\INTERSCORER

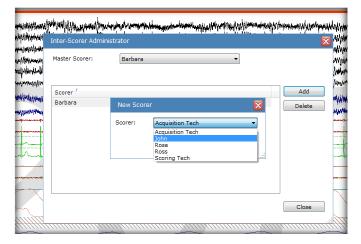
* Note: Screenshots are from the Sleepware G3 Software and Online Help.

You will see the following windows as G3 creates the Inter-Scorer instance in the designated folder.

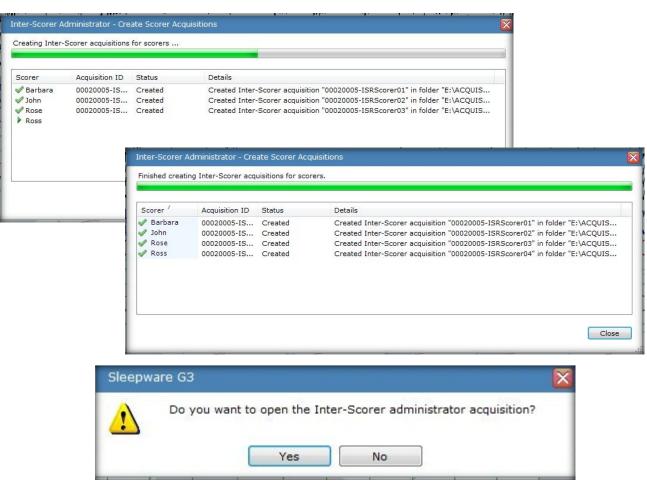




Adding Scorers



<u>Note</u>: You can add an unlimited number of scorers, but you can only compare the master scorer to 9 other scorers in a report.



The ISR setup is complete

Upon logon, scorers will see any Inter-Scorer studies assigned under My Acquisitions.

a succes	oware G	63									L	- 🗆 >
File	Edit	View	Scoring	Devices	Report	Video	Tools	Workspaces	Window	_	ESPIRO	NICS
Config	guratio	n Sta	art Page							п	LSPIRO	NICS
<u> </u>		n) (**	BR									
Rec	ently (Opene	d Acquisi	itions				My Acquisition	9			
Nan		opene		Acquisition	ID	Date		Name		oorts A	cquisition ID	Date
				· · · · · · · · · · · · · · · · · · ·		0.010		Inter-Scorer, A			0020005-ISRS	
	of the		ed Acquis	sitions (Privi	lege Req	uired)						
Тір		Day	ed Acquis	sitions (Privi	lege Req	uired)						
Tip Did	of the you kn	Day low eepware erapy d					mands t	that take advanta	age of infor	mation c	ollected from ac	ivanced

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

The Inter-Scorer Mode window will appear after the study has been selected.



Note: You cannot score the ISR admin study. You can score the ISR scorer study only.

The hypnogram will demonstrate the time period (lights off to lights on) to be scored. This is determined when the study is being set up and cannot be changed.

Con	figuration 🛛 Start Pag	e 3rd Quarter 2012 × 및 23 🗣 🛞 🍈 🏠 🖓 😨 副 இ 🏷二 〇〇〇 三〇〇 〇〇〇 〇〇〇 〇〇〇 〇〇〇 〇〇〇 〇〇〇 〇〇〇 〇〇
Raw Data 🗙	WK REM N1 N2 N3	
Events	9:18:55 PM 3 hours	9:30 PM 9:45 PM 10:00 PM 10:15 PM 10:30 PM 10:30 PM 10:45 PM 11:00 PM 11:15 PM 11:15 PM
Tre	Data Markup F3M2 F4M1 C3M2 C4M1 O1M2 O2M4	

ISR acquisitions have two states:

- Scoring
- Scored -

These states are always available, even if PSG states are not being managed.

90s	100s	9:04:23 PM	Scoring Scored	
Inter-Scorer Mode	Scorer: RFligge	State: Scoring	- 📔 Database Co	nnected -

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

Note: Each scorer must change the state of their acquisition from Scoring to Scored when they have finished scoring it. If the scorers do not do this, the ISR Administrator acquisition will never be updated.

Scorer	Acquisition ID	Status	Details
✔ Barbara	00020005-IS	Admin already up-to-date	Administrator acquisition is already up-to-date for scorer "Barbara".
✔ John	00020005-IS	Admin updated	Administrator acquisition updated with scoring data from scorer "J
✔ Rose	00020005-IS	Admin updated	Administrator acquisition updated with scoring data from scorer "R
✔ Ross	00020005-IS	Admin updated	Administrator acquisition updated with scoring data from scorer "R

Master Scorer:	Barbara	•	
Administrator acquis	sition last updated: 9/25/2012	10:10:37 AM	
Scorer '	Administrator Status	Last Modified	bbA
🖋 Barbara	Up-to-date	8/23/2011 5:54:34 PM	Delete
🥜 John	Up-to-date	9/25/2012 9:56:43 AM	
🖉 Rose	Up-to-date	9/25/2012 10:04:29 AM	
🛷 Ross	Up-to-date	9/25/2012 10:09:55 AM	

* Note: Screenshots are from the Sleepware G3 Software and Online Help.



Cleanup Operations

The ISR <u>Scorer</u> acquisitions are intended to be temporary. A cleanup operation may be performed once the ISR report has been generated.

The cleanup operation is initiated by clicking the Cleanup button. The cleanup operation applies only to ISR Scorer acquisitions. The ISR Administrator acquisition is never deleted by a cleanup operation. The administrator acquisition can no longer be updated with newer scoring data for that scorer since that scorer no longer has an acquisition.

ing wing wing wing	Master Scorer:	Barbara 🔹	Manutin harrow
www.www.www.	Administrator acqu	isition last updated: 9/25/2012 10:10:37 AM	William William and a start of the start of
Confirm Cleanup			
	on. Once the acquisi	elete the acquisitions for those scorers whose scoring data is up ition associated with a particular scorer is deleted, that scorer o	
acquisiti their sco	on. Once the acquisi oring.		

Clean-up is completed.

misned delet	ng Inter-Scorer acq	uisitions for scorers.		
Scorer	Acquisition ID	Status	Details	
🖉 Barbara	00020005-IS	Deleted		
🖉 John	00020005-IS	Deleted		
🖉 Rose	00020005-IS	Deleted		
Ross	00020005-IS	Deleted		

Note: The interscorer administrator may perform the "clean-up" function either when any one scorer has completed scoring the record, or after all scorers have finished scoring.

- * Note: Screenshots are from the Sleepware G3 Software and Online Help.
- * Disclaimer: Screenshots may change based on software version

Generating Inter-Scorer Reports



The results of the comparison are produced as a report. The Inter-Scorer Reliability System can compare up to 9 scorers in a single comparison operation.

The Inter-Scorer Reliability System computes trends for the master and for each scoring. In addition to previous trends, several new trends are included:

- Pages of disagreement based on seven stages
- Four-stage hypnogram
- Seven-stage hypnogram
- Pages of disagreement based on four stages
- Number of Resp events per epoch
- Difference between master and current scoring Resp events per epoch
- Number of PLM events per epoch
- Difference between master and current scoring PLM events per epoch
- Number of arousal events per epoch
- Difference between master and current scoring arousal events per epoch

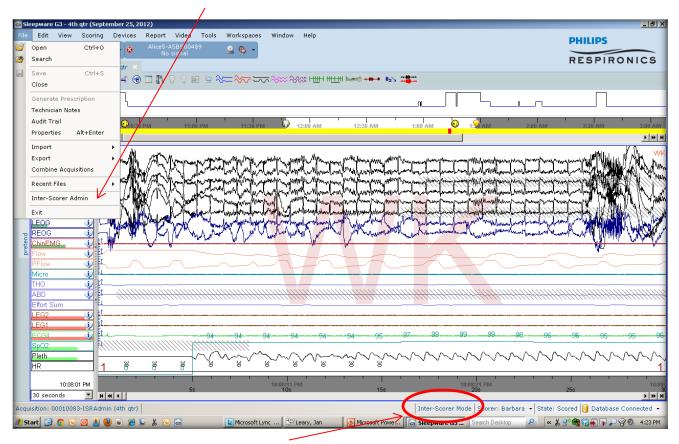
Generate Inter-Scorer R	Generate Inter-Scorer Report(s)							
Templates								
Template ' 1_Scorer_vs_Master N_Scorers_vs_Maste	Type template fil template fil							
Scorers Master Scorer:	Barbara							
Scorer /	Administra	tor Status	Last Modified					
🔽 John	Up-to-date		9/25/2012 9:56	:43 AM				
🔽 Rose	Up-to-date		9/25/2012 10:0	4:29				
Ross	Up-to-date		9/25/2012 10:0	9:55				
View Options	View Options							
 View Report Output Print Report Output None 	 View Report Output Print Report Output 							
		Generate	Cancel					

Note: the report can only be generated from the ISR admin study and can be generated at any time, even before cleanup

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

l	nterscorer Reliability	Report (Multiple Sc	orers vs. Master)
			an a
Recording identification	on		
Patient name	: Inter-Scorer	Acq	: 20005
First name	: Acquisition	Туре	: Adult
Sex	: M	Started	: 5/11/2011 at 9:18:55 PM
Birth date	: 1/1/1970	Stopped	: 5/12/2011 at 4:19:19 AM
Patient age	: 41 years	Duration	: 7:00:24 (420.4 min)
B.M.I	: 29.4 lb/in²		
Physician Info Referring Physician	.,		
Physician Info Referring Physician Interpreting Physician:	.,		
Physician Info Referring Physician nterpreting Physician: Scoring Identification	.,	Date/time	of last modification
Physician Info Referring Physician nterpreting Physician: Scoring Identification	:, ,		
Physician Info Referring Physician Interpreting Physician: Scoring Identification <u>Master Scorer</u>	.,		of last modification 5:54:34 PM
Physician Info Referring Physician Interpreting Physician: Scoring Identification <u>Master Scorer</u>	:, ,	8/23/2011	5:54:34 PM
B.M.I Physician Info Referring Physician Interpreting Physician: Scoring Identification <u>Master Scorer</u> <u>Comparison Scorers</u> 1 2	; , Barbara John	8/23/2011	

 $\ensuremath{^*\textit{Note}}$: Screenshots are from the Sleepware G3 Software and Online Help.



If the master scorer needs to be changed, you may do this under File > Inter-Scorer Admin.

📾 Sleepware 63 - 4th qtr (September 25, 2012)	X
File Edit View Scaring Devices Report Video Tools Workspaces Window Help	PHILIPS
SLEEP_1Akaiting Acquisition 🔹 🙀 Alice5-A5BS00489 🖉 💁 •	
Configuration Start Page 4th qtr ×	RESPIRONICS
🧉 🖉 🐷 🖅 🔍 🔯 🕼 💷 🌮 💮 🗉 🎊 🗸 🖓 😥 🗟 🛠 ~~ 🌾 🌾 🌾 🌾 🌾 🏎 +++ 📭 👘 👘 👘 👘	
	2:30 AM 3:00 AM
S hours I water a contraction of the contraction of	
Data Markup Waster Scorer: Barbara	
administrator acquisition last updated: 10/8/2012 4:22:19 PM	mound Milling Mark .
EFAT i hundred and have been here the second and here there the second and here there the second and here	drawn when the state of the state
Barbara Ulp.to.date 9/10/2012 9:58:04 0M	Markey Markey Charles
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ECGI i i El	
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	1
10:08:01 PM 5s 10s 20s	10:08:
30 seconds	25s 3
Acquisition: 00010083-ISRAdmin (4th qtr) State	s: Scored 间 Database Connected 👻
🔊 Start 🕝 🛇 🕞 🗿 🗏 🕲 🖉 🎽 🖕 🔏 🕞 🚳 💦 📔 2 Microsoft Lync 2010 - 🖌 🐻 Microsoft PowerPoint - [] 🖓 Steepware G3 - 4th g Search Desktop 🔗 🧔	- 从 🔊 숙 🏹 🖣 🖓 🖉 🖗 🖉 4:30 PM

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.





Consult the Sleepware G3 instructions for use for additional information.

1104579 R01 JDH 09/04/2013

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

* Disclaimer: Screenshots may change based on software version

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Sleepware G3 Quick Start Checklist



Starting a study:

- □ Start acquisition (via Base Button dropdown*]>Start Acquisition).
- □ Verify if the patient is in the database (using the first two letters of the patient's last name and an asterisk (*)); or add if necessary.
- □ Choose the configuration based on the type of study ordered.
- \Box Make sure the Alice headbox is connected.
- \Box Start the study.
- Enable audio (speaker) and video (webcam) on the Base Button.
- □ Perform machine calibrations (via Base Button dropdown ► >Calibration).
- Perform impedance check (via View>Impedance Values).
- Adjust the signal amplitude (via Gain Control) on respiratory effort, airflow, snore channels.
- □ Perform patient calibrations/bio calibrations (via Scoring>Predefined Comments).
- \Box Set Lights Off (white light bulb icon $\widehat{\mathbb{V}}$ on toolbar).
- □ Type in comments (via Spacebar).
- Add demographic data (via File>Properties).
- □ Launch OmniLab Direct (via Base Button dropdown → >Therapy Device Control), if patient will use therapy and there is an Omnilab device in the room.

Ending a study:

- \Box Set Lights On (yellow light bulb icon \Im on toolbar).
- Preform patient bio calibrations (via Scoring>Predefined Comments), and perform machine calibrations (via Base Button dropdown ->Calibrations).
- □ End the study (via Base Button dropdown or stop sign icon on toolbar).

*Key:

The Base Button dropdown

is located in the upper-left corner of the window.

File Edit	View Scoring Devices	Report Video Tools Workspaces Window Help
	st-A58S07455	
Config	Stop Acquisition	$\mathbf{\gamma}$
	General Settings Audio and Video Settings Configuration Builder	
Default	Synchronize Clock Check for Acquisitions Calibration Therapy Device Control	
100	7	

i Consult the manual for additional information.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.
 * Disclaimer: Screenshots may change based on software version.



RESPIRONICS

Sleepware G3

			Lights Off – Lig	hts On
Before you sta enter lights ou			ne study, you should on.	
•			o be added during the et to automatically	Set Lights Off
begin and enc	•		•	🛞 🔲 🖓 💽 💽 😒 🐎
Time Markers			×	thank would have a late.
Time Markers				
Recording Start:	10:15:26 PM	<u> </u>		Sleep onset is automatically
Lights Off:	10:24:26 PM	*		calculated as the first epoch of
Sleep Onset:	10:24:26 PM	x v	Automatically calculated	sleep. If you chose to edit the
Lights On:	5:00:44 AM	<u> </u>	Same as Recording End	time, these are found from the
Recording End:	5:00:46 AM	<u>.</u>		-
Split Nights				top tool bar under Edit > Time
Start / Slee	p Onset	End	Duration Modify	Markers.
			Delete	
Acquisition Specific Options (00052777-A58511	196 (SO	OK Cancel	

i Consult the manual for additional information.

1118492 R00 JDW 07/11/2014

* Note: Screenshots are from the Sleepware G3 Software and Online Help.





Sleepware G3

HOW TO SET TIME MARKERS IN SPLIT NIGHT STUDY

Edit Vew Sonne Dewiss Report Video Tools Workspaces Window Help PHILIPS Microsoft Park Start Park Perkinson Microsoft Park Start Park All Park Perkinson Series All Park Perkinson Perkinson Perkinson Series All Park Perkinson Perkinson Perkinson Perkinson Series Perkinson Perkinso	00m2-A5BS0902 No signal		Video Tools Works	macon Window He							
No. solution RESPIRIONI Agaration Start Page Agaration Start Page SEM Internet in the second start with second start with the second start with second start wi	No signal			paces minuow in	elp					PHILIPS	
Image: Instruct the Image: Instructure instruct		<u>2</u> 9 .								RESPIR	ONIC
SEM PEM	_										
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	NI		11								

Two unique yellow sleep bars appear across the bottom of the window, indicating the two split segments of the study.



Consult the manual for additional information.

1118490 R00 JDW 07/11/2014

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

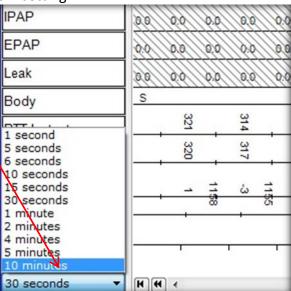


PHILIPS RESPIRONICS

Sleepware G3

Information About Scoring Events

- Sleepware automatically deletes any events that are overlapped by manually scored events of the same family.
- You can score events while at any zoom setting.
- If you choose to look at the respiratory channels in another zoom setting, you can select a setting by using CTRL + 1 for 15 sec., 2 for 2 min., 3 for 30 sec., 5 for 5 min., 6 for 60 sec., 0 for 10 min or use the dropdown window.

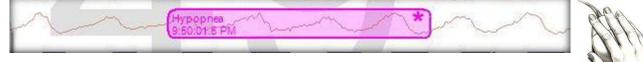


- You cannot score events in periods marked as Wake unless you have configured Sleepware to do so. *Exception*: You can score events in the first 15 seconds of a Wake epoch that is preceded by sleep.
- You can score a respiratory event and arousal with a single mouse click-and-drag operation. When doing so, you can choose one of the following options:
 - a) Central Apnea with Arousal
 - b) Obstructive Apnea with Arousal
 - c) Mixed Apnea with Arousal
 - d) Hypopnea Apnea with Arousal

Each of these options results in the creation of two distinct events. The events are displayed in the standard manner as if they were created separately. The arousal event created has a default length of 3 seconds. The start of the arousal event will occur 1.5 seconds before the end of the respiratory event.

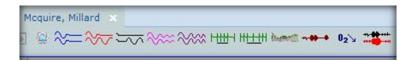
To Add an Event

To add an event, left click and drag mouse to highlight the event. A drop-down menu will appear allowing you to select an event.



* Note: Screenshots are from the Sleepware G3 Software and Online Help.

• You can manually mark events by clicking on the appropriate icon from the Singleclick Scoring toolbar.



Then, click in the raw data to add that event.

• You can use single-click scoring or use single-click scoring smart mode. You can have a single click icon active and still click and drag another type of event. For example, click and drag a respiratory event and single click the arousal.

The respiratory events are color-coded. Default colors are:

- Central apneas (C) are **blue**.
- Obstructive apneas (O) are red.
- *Hypopneas (H) are light purple.*
- RERA (R) are **dark** purple.
- Mixed apneas (M) are black.

To Delete an Event

The **DELETE KEY** is used to remove unwanted events.

To use it, click on the unwanted event, if it is not already highlighted.

Then, press the DELETE key. You can also right click on any event and delete all events of that type.



i Consult the manual for additional information.

 $\ensuremath{^*\textit{Note}}$: Screenshots are from the Sleepware G3 Software and Online Help.

G3 Training Module



* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.

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How to Score Studies

When scoring studies, there are different options available using G3 software. These are all found on the configuration tab of the software.

Scoring Setup

In the Scoring section on the Configuration tab, these options include:

- Custom Acquisitions Properties
- Sleep Staging
- Event Filters
- Predefined Comments
- Analysis Parameters
- Custom Events
- Scoring Styles
- Event Options
- The <u>Scoring Styles</u> feature was designed to allow you to customize the functionality and appearance of scoring events.

File	Edit	View	Scoring	Devices	Report	Video	Tools	Workspaces	Window	Help
1		5BS0902 ng Acqu			-					
Con	figurati	on Sta	art Page							
6		2 (24								

• To access the scoring styles: Click the **Configuration** tab, then...

	Appearance
Double-click on the Scoring Styles icon.	Channel Trend Colors Labels
	Data
	Auto Save Database Working
	Folders
Scoring	Reports
Styles	
	Report Report Calculations Generation
The Cearing Styles window is displayed	
The Scoring Styles window is displayed.	Scoring
Here, you can set your individual scoring style.	1) 🔐 🦅 🔾 💾 💥 🚟 🛷
	Custom Sleep Event Filters Predefined Analysis Custom Scoring Event
	Acquisiti Staging Comments Parameters Events Styles Options
	Users
	វត្តវ 🕵
	Groups Users
	Miscellaneous
	🧀 🐝 雛 🗉 🕺 Ω
	HL7 Miscellan Neuro Option Network Impedance Configura Options Options Preferences Devic Limits

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.



How to Set Scoring Styles

- 1. Select a Menu Display option.
 - a) The <u>first</u> option means that each time you click-and-drag the mouse pointer along a channel's waveform and release the mouse button, a pop-up menu of events is displayed. You then click on an event in the list to mark it on the study.
 - b) The <u>second</u> option is less manual. You only click-and-drag the mouse pointer along a channel's waveform and choose an event from the pop-up menu the first time on a channel. For all subsequent click-and-drag operations on the same channel, Sleepware remembers the event type initially selected and marks that same event type.

Scoring Styles	
General	
Menu Display	
Oisplay event scoring menu when the mouse button is released	
Remember the type of event for each channel	

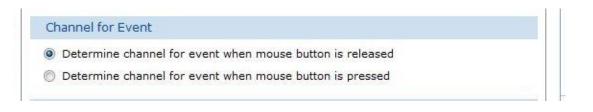
- 2. Select a Menu Style option.
 - a) The <u>first</u> option displays the full menu of event types regardless of the channel you're on when you release the mouse button after dragging.
 - b) The <u>second</u> option means that the pop-up menu only displays events related to the channel you're on at the time. For example, if you're currently on the ECG channel and the pop-up menu is displayed, it will only offer events relevant to ECG. However, these are also configurable by changing the selections under the **Menu** tab for the ECG channel. Refer to Event Options for details.



* Note: Screenshots are from the Sleepware G3 Software and Online Help.

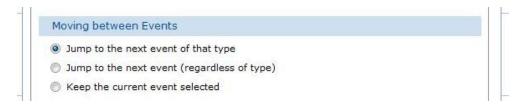


- 3. Select a **Channel for Event** option. This option determines how the software decides which channel to use when you dragged across it.
 - a) The <u>first</u> option means that once you left-click and start to drag, the event is not marked until the mouse button is released, regardless of the channels crossed over (up or down). The highlight bar actually moves (up or down) with the mouse pointer.
 - b) The <u>second</u> option, unlike the 1st option, means that once the left-click is made on a given channel, regardless of where the mouse pointer may move while it is dragged, releasing the mouse button marks the channel that was clicked on.



4. Select the Moving Between Events option

- a) The <u>first</u> option causes Sleepware to automatically move the next event of the same type immediately following the event's validation (pressing the "+" key). Also, this option enables the **Tab** key to move from one event to the next event of the same type. The **Shift + Tab** moves between the same events but in reverse order.
- b) The <u>second</u> option causes Sleepware to immediately move to the next chronological event regardless of its type once the current event is validated. Also, this option enables the **Tab** key to move in chronological order from event to event regardless of the event's type. The **Shift + Tab** moves in reverse order.
- c) The <u>third</u> option prevents Sleepware from moving away from the initial event validated.





- 5. Select an **Event Selection** option.
 - a. The 1st option causes Sleepware to leave the event where it is on the screen even if it runs partially off the current display area.
 - b. The 2nd option causes Sleepware to center an event when it is clicked on even if it is only partially displayed at the time.



- 6. Select a Marking Event option.
 - a. The 1st option causes Sleepware to provide an explanation about why events cannot be marked. This is more helpful than seeing disabled events on the pop-up menu.
 - b. The 2nd option causes Sleepware to display a temporary vertical black line at the beginning and end of the time period used for marking an event.



7. Click **OK** to save changes and close the Scoring Styles window.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

Event Options

The Event Options are <u>shared options</u> and can be changed by those that have permission to do so. These changes affect all users on all computers.

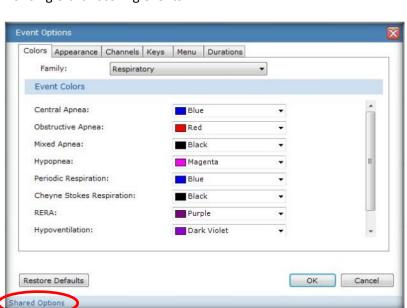
The event option window allows you to set the colors of individual events within family event groups. You can also set attributes for event channels, keyboard shortcut keys for events, and the channel-specific menu structure for channel types and the duration for single-click scoring events.

The <u>Colors</u> Tab

Use this tab to assign colors to events.

Follow these steps to assign colors:

- Select a family of events from the Family drop-down list. All events associated with that family are displayed.
- 2. Select a color for each from the lists.



The Appearance Tab

This tab allows you to specify the attributes seen on an event marker/label and tooltip.

As you select attributes, the example marker in the Preview area changes in real-time to reflect your selections.

* You can select <u>3</u> attributes under Event Contents

* You can select <u>6</u> attributes under ∕ Tool Tip

olors	Appearance	Channels	Keys	Menu	Durations			
Eve	ent Contents				Tool 1	īip		
	Event Type	🔳 HF	Conte	xt	V Event	Туре	🔽 HR Co	ntext
V	Start Time 📃 SpO2 Context		🔽 Start Time		SpO2 Context			
V	Duration			/	V Durat	ion	🔽 Valida	tion
	2:07:39 AM 12 Seconds		Duration: 12 seconds HR Before: 80 bpm HR Extr: 5 O2 Before: 98% O2 Min: 89% Validated					

* Note: Screenshots are from the Sleepware G3 Software and Online Help.



The **Channels** Tab

Use this tab to specify/modify the rules by which events are displayed on channel types. Each row represents an event type and the default primary, secondary, and tertiary channel used for placing that event when scored.

Colors Appearance	Channels Key	/s Menu	Durations		
Event	Primary Chan	nel Secon	dary Tertiary	*	Modify
Central Apnea	Flow	Flow	Effort		
Obstructive Apnea	Flow	Flow	Effort	1	
Mixed Apnea	Flow	Flow	Effort	11	
RERA	Flow	Flow	Effort		
Hypopnea	Flow	Flow	Effort		
Periodic Respirati	Effort				
Cheyne Stokes R	Effort				
Hypoventilation	CO2				
Hypercapnia	CO2				
Bradycardia	ECG	RR	Pulse Rate		
Tachycardia	ECG	RR	Pulse Rate		
Heart Rate Drop	ECG	RR	Pulse Rate		
Heart Rate Rise	ECG	RR	Pulse Rate		
Long RR	ECG	RR	Pulse Rate		
PTT Drop	PTT	ECG	RR		
	***	**		6263	
Restore Defaults				ОК	Cancel

The <u>Keys</u> Tab

This tab allows you to associate hot keys with events. The legacy keys have been retained for those who have used earlier versions of Sleepware.

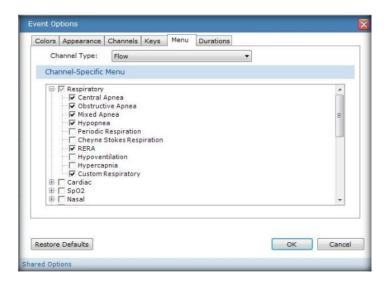
Follow these steps to view/change hot key associations:

- Select a Family of events from the list. All events associated with that family are displayed.
- Select a 'hot key' for each from the lists that will represent the specific event.

The <u>Menu</u> Tab

Use this tab to view/modify the channel-specific event menu definitions for each channel family.

olors	Appearance	Channels	Keys	Menu	Durations		
Fai	mily:	Respirat	ory			•	
Sho	rtcut Keys						
Central Apnea:			C			*	
Obstructive Apnea:				0	•		
Mixed Apnea: Hypopnea:				M	•]		
				Н	-		
Periodic Respiration:		P		•]			
Cheyne Stokes Respiration: RERA:				к	•		
				R	•		
Hypoventilation:			Y	•		+	
	Defaults						OK Cance



* Note: Screenshots are from the Sleepware G3 Software and Online Help.



The **Duration** Tab

Use this tab to view/modify the durations for events available for single-click scoring. Enter the desired value for the specific duration for a given single-click event type. Click **OK** to save your changes.

Colors	Appearance	Channels	Keys	Menu	Durations			
Sing	gle-Click Scor	ing						
Cen	tral Apnea:					seconds	-	
Obst	tructive Apnea	:				seconds		
Mixe	ed Apnea:					10	seconds	
Нур	opnea:			10			seconds	
RER	A:			10			seconds	=
Tach	nycardia:					seconds		
Brad	dycardia:					seconds		
Leg	Movement:					3	seconds	
Snor	re:					3	seconds	
**			-			-	14.0	T
2 - 16 A (41)	Defaults						ОК	Cancel

Now you are ready to begin scoring!

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

Automated Scoring

Online (real-time) Auto-scoring

Sleepware provides an auto analysis capability that automatically determines certain events. During an Alice 5/Alice 6/Alice LE acquisition, auto analysis is performed for event detection. Auto-scored events appear on the display in real time. Sleep staging is **not** performed during the acquisition, but rather is performed at the end of the acquisition during integration time. During an acquisition, the analysis parameters configured for the application are used.

Offline Auto-scoring

Sleepware automatically scans sleep study data immediately before integrating the acquisition. You can also rescan the data at any time. During this process Sleepware performs sleep staging and event scoring using the scanning parameters found in the Analysis Parameters and Respironics Analysis Options windows.

Re-analysis is performed on legacy acquisitions that are imported; events and scoring associated with imported acquisitions are not retained during import, neither are comments or video.

Re-analysis can be performed on any acquisition. You can perform a selective re-analysis based on a particular time frame and/or event types analyzed.

Note: Computer-based sleep scoring is intended to help improve efficiency in scoring a sleep study—not to replace clinical judgment and analysis. Philips Respironics strongly recommends that a competent healthcare provider review the entire study and modify the scoring as necessary.

Analysis Parameters

Use the Analysis Parameters option in the Configuration tab to select and configure the detection types to include in auto-analysis (auto-scoring) of events.

Note: These parameters are used for online Alice base station acquisitions and when an Alice PDx is imported. A copy of the parameters is stored with the acquisition. Once the parameters are stored, the Analysis Parameters defined in the Configuration tab are no longer used by the acquisition. To change acquisition-specific parameters, use the Scoring menu on the Main Menu bar while displaying an acquisition.

To select detection types:

- 1. Click the Configuration tab.
- 2. Double-click the Analysis Parameters link.

The Analysis Parameters window opens.

- 3. Click the check box associated with an applicable detection type.
- 4. Clicking the + expands the type category to show the individual event types under it.
- (Optional) Select the source for the automatic analysis algorithms from the list. Currently, only Standard is supported and is the default selection.
- 6. (Optional) Click the Modify button.

The Standard Analysis Options window opens. Refer to the following Standard Analysis Options section below for details.

- (Optional) Click the **Restore Defaults** button to re-establish the default settings for the General Options.
- 8. Click OK to save your changes and close the window.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

паг	ysis Parameters	
Ge	neral Options	
		Standard
	Respiratory	
	Central Apnea	<u>v</u>
	Obstructive Apnea	<u>र</u>
	Mixed Apnea	
	Hypopnea	
	Periodic Respiration	
	Cardiac	
	Bradycardia	
	Tachycardia	
	Heart Rate Drop	
	Heart Rate Rise	
	Long RR	
	PTT Drop	
Ξ	SpO2	
	Absolute Desaturation	
	Relative Desaturation	
	Nasal	
-	Snore	
	Neuro	
-	Rapid Eye Movement	
	Slow Eye Movement	
	Arousal	
	Spindle	
	Alpha Activity	
	Limb	
	Leg Movement	
Ŧ	Gastric	
6	Sleep Staging	Г.

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.

The Hypopnea tab

Use this tab to configure the auto analysis parameters for hypopnea detection:

- a. Set the Minimum Duration value (seconds). The range is 0.0 600.0; default value is 10.0.
- Set the Maximum Duration value (seconds). The range is 0.0 600.0; default value is 60.0.
- c. Set the Amplitude Ratio value (percentage).

This is a threshold used to determine if a hypopnea is auto-scored. Sleepware builds a "model breath" of the breathing under analysis. If the amplitude of the breath currently being analyzed is equal to the hypopnea amplitude factor multiplied by the amplitude of the model breath, then a hypopnea event is begun. The range is 0.0 - 100.0; default value is 50.0%.

d. Set the Hysteresis value (percentage).

Sleepware ends the hypopnea when the amplitude of the current breath reaches the amplitude of the model breath times the hysteresis factor. The range is 0.0 - 100.0; default value is 60.0%.

e. Select Hypopnea or Apnea.

If an apnea and an hypopnea are auto-scored at that same time period, this setting determines which event takes priority. The default value is Hypopnea.

andard Analysis Options						
typopnea Cardiac Oximetr	y Limb	Snore	Neuro	pH	General	
Hypopnea Detection						
Minimum Duration:		10.0	sec			
Maximum Duration:		120.0	sec			
Amplitude Ratio:		50.0	%			
Hysteresis:		60.0	%			
Hypopnea/Apnea Priority	1					
O Hypopnea	Apne	a				
Restore Defaults					ОК	Cancel

* Note: Screenshots are from the Sleepware G3 Software and Online Help.



The Cardiac tab

Use this tab to configure the auto analysis parameters for cardiac event detection:

- a. Set the Adult HR Below value (beats per minute). The range is 0 255; default value is 60.
- Set the Infant HR Below value (beats per minute). The range is 0 255; default value is 100.

These are thresholds for the heart rate to fall below the baseline to auto-score a bradycardia.

- c. Set the Adult HR Above value (beats per minute). The range is 0 255; default value is 100.
- d. Set the Infant HR Above value (beats per minute). The range is 0 255; default value is 150.

These are thresholds for the heart rate to rise above the baseline to auto-score a tachycardia.

 Set the HR Drop Threshold value (percentage). The range is 0.2 - 100; default value is 22.2%.

This is a drop percentage threshold used in determining a (relative) low heart rate event.

f. Set the HR Rise Threshold value (percentage). The range is 0.2 - 200; default value is 28.6%.

This is a rise percentage threshold used in determining a (relative) high heart rate event.

g. Set the Long RR value (percentage). The range is 0 - 500; default value is 180.0%.

The long RR algorithm compares the time between R-waves x and y, and the time between R-waves y and z. If the second interval is a certain percentage greater than the first interval, then Sleepware scores the second R-wave-to-R-wave (R-R) interval as a long RR event.

Hypopnea Cardiac Oximetry	Limb Snore	Neuro pH	Genera
Bradycardia			
Adult HR Below:	60	bpm	
Infant HR Below:	100	bpm	
Tachycardia			
Adult HR Above:	100	bpm	
Infant HR Above:	150	bpm	
ECG			
HR Drop Threshold:	22.2	%	
HR Rise Threshold:	28.6	%	
Long RR:	180	%	

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.

The Oximetry tab

Use this tab to configure the auto analysis parameter for absolute desaturation detection:

a. Set the SpO2 Below value (percentage). The range is 0 - 100; default value is 80.

The threshold rate to fall below the baseline in order to auto-score an absolute desaturation.

Standard Analysis Options				elitet i	
Hypopnea Cardiac Oximetry Limb	Snore	Neuro ph	H Ger	neral	
Absolute Desaturation Detection					
SpO2 Below:	89	%			
Restore Defaults				ОК	Cancel

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

The Limb tab

Use this tab to configure the auto analysis parameters for leg movement detection:

- a. Set the Minimum Duration value (seconds). The range is 0.0 600.0; default value is 0.5. The minimum duration to detect a leg movement.
- b. Set the Maximum Duration value (seconds). The range is 0.0 600.0; default value is 10. The maximum duration to detect a leg movement.
- c. Set the Merge Time value (seconds). The range is 0.0 60.0; default value is 0.5.
 Sleepware merges detected leg movement events on the same leg channel that overlap or are within the merge time.
- d. Set the Starting Amplitude value (microvolts). The range is 2 100; default value is 8.
 A leg movement event starts when the amplitude rises above the baseline by the amount specified by the Starting Amplitude parameter.
- e. Set the Ending Amplitude value (microvolts). The range is 2 100; default value is 2.
 A leg movement event ends when the amplitude falls to the value specified by the Ending Amplitude parameter.

lypopnea	Cardiac	Oximetry Limb	Snore	Neuro	pН	General	
Leg Mo	vement	etection					
Minimum	n Duration	:	0.5	sec			
Maximur	m Duration	1:	10.0	sec			
Merge T	ime:	[0.5	sec			
Starting	Amplitude	ii [8	uV			
Ending A	Amplitude:		2	uV			
	afaults					ОК	Cancel

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

The Snore tab

Use this tab to configure the auto analysis parameters for snore detection:

a. Set the Blind Period value (seconds). The range is 0.0 - 60.0; default value is 2.0.

The blind period is defined as the amount of time, in seconds, that Sleepware overlooks data, or is "blind," past the detection of an individual snore.

b. Set the Max. Period value (seconds). The range is 0.0 - 60.0; default value is 6.0.

The maximum number of seconds that can occur between two detected snores in order to consider them part of a snoring episode.

c. Set the Min. Period value (seconds). The range is 0.0 - 60.0; default value is 3.0.

The minimum number of seconds that can occur between two detected sounds to consider them separate snoring sounds.

d. Set the Threshold value. The range is 0 - 250; default value is 56.

This is the minimum amplitude required to detect a snore on the snore channel. The value is a computer-based number representing amplitude. The higher the number, the higher the amplitude required to detect a snore, resulting in less snores being detected. The lower the number, the lower the amplitude required, resulting in more snores being detected.

пурорпеа	Cardiac	Oximetry	Limb	Snore	Neuro	pН	Gene	ral	
Snore	Detection	D.							
Blind Pe	riod:			2.0	sec				
Max Per	iod:			6.0	sec				
Min Peri	od:			1.0	sec				
Thresho	ld:			56					

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

The Neuro tab

Use this tab to configure the auto analysis parameters for Neuro event detection:

- a. Set the **Delta Amplitude Adult** value (microvolts). The range is 0 300; default value is 75.
 The minimum amplitude to detect a delta wave for an adult acquisition.
- b. Set the Delta Amplitude Infant value (microvolts). The range is 0 300; default value is 150.
 The minimum amplitude to detect a delta wave for an infant acquisition.

EEG Options	Limb Snore	Neuro pH	General	
Delta Amplitude Adult:	75	uV		
Delta Amplitude Infant:	150	uV		
Spectrum Analysis		2		
Generate spectrum trends f	or EEG channels	S		

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.

The pH tab

Use this tab to configure the auto analysis parameters for pH detection:

- Set the Hysteresis value. The range is 0.0 14.0; default value is 4.75.
 Determines the end of a pH drop event. The pH must rise above this threshold to end the event.
- b. Set the Minimum Value. The range is 0.0 14.0; default value is 4.0.
 Determines the start of a pH drop event. The pH must fall below this threshold to start the event.
- Set the Minimum Duration value (seconds). The range is 0 600; default value is 1.
 Minimum duration for a pH event to be detected.

Standard A	nalysis Op	tions						
Hypopnea	Cardiac	Oximetry	Limb	Snore	Neuro	General		
pH Dro	p Detecti	on						
Hysteres	is:			4.75				
Minimum	Value:			4.00				
Minimum	Duration	:		1	sec			
Restore De	faults					C	K	Cancel

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

The General tab

Use this tab to configure other analysis parameters:

 Set the Activity Threshold value (seconds). The range is 0 - 500uV; default value is 100uV.

This parameter specifies the activity threshold voltage used by the Standard analysis implementation when computing the actimetry channel for Alice PDx. Voltage on the raw actimetry channel must exceed the threshold voltage for a half second in order for activity to be present.

Standard Ar	nalysis Op	otions			
Hypopnea	Cardiac	Oximetry Limb	Snore Neuro p	H General	
Genera	l Options				
Activity	Threshold:		100 uV		
Restore De	faults			OK	Cancel

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

Reanalyze Acquisition

Go to SCORING, then Auto Analyze to re-execute the auto-scoring and sleep stage algorithms. You can select the time range to utilize for the analysis as well as the specific auto-scoring items to re-execute (reanalyze).

G3 Sleep	pware	G3 - Mcc	quire, Millar	d (January 2	0, 1944)				-	-	-
File	Edit	View	Scoring	Devices	Report	Video	Tools	Workspaces	Window	Help	
	Awaiti gurati		Sing	t Validatior e-Click Sco o Staging efined Com	oring	· · · ·	~~≃	∞ %≈ %	× ⊦₩+ ₩H	<u>⊢</u> H bara ~₽ -	0 ₂
Jans psg X	0ata M 3M2 4M1 3M2	larkup		Analyze ing Type	www.	NUTURNA AND	hydrawn Yacaithadan	antinitanitani natalikisi	unyunu unyumu	wanter and a second and a	hwmm hwmm hwmm

Follow these steps to reanalyze an acquisition:

1. Specify the **Start** and **End** times using the slide controls. Each defaults to the acquisition start and end times.

Reanalyze Acquisitio	n	
General Options		
	: All auto-scored events and all validations will be removed fro n of the study that is analyzed.	m
Start time:	9:18 PM	
· · · · · ·		30
End time:	4:19 AM	
		Ç
9:18 PM	4:19 A	м



2. Specify Full or Partial Event Detection:

Full Event Detection	Partial Event Detection
	Standard
🕁 Respiratory	N N
🛨 Cardiac	
£ SpO2	M
∓ Nasal	N
I Neuro	
E Limb	
E Gastric	
Sleep Staging	N
Analysis Parameter Details	
Standard	Modify
Restore Defaults	Analyze Cancel
uisition Specific Options 00020005-	A DO CHOOC & TRANSING AND UND

- **Full Event Detection**: Prior to performing the actual analysis operation, all auto-scored events are removed from the portion of the study that is being analyzed.
- **Partial Event Detection**: All auto-scored events for the selected event types are removed from the portion of the study that is being re-analyzed. Auto-scored events whose type is not selected for analysis remain in the study. The analysis operation then performs event detection on only the selected event types. For example, if you select only Leg Movement events, the study will still have all the auto-scored events whose type was not leg movement following the analysis . In addition, it will also have auto-scored leg movement events (if there were any detected by analysis).



- 3. Select an algorithm module to use from the list. Currently, only the Philips Respironics <u>Standard</u> module is available for selection.
- 4. Click the **Modify** button to review/change the Analysis Parameters.

Standard	▼ Modify		
Restore Defaults		Analyze	Cance

5. Click **OK** to execute any changes you have made to the analysis parameters.

ypopnea Cardiac Ox	imetry Limb Snore	Neuro pH General
Hypopnea Detection	n	
Minimum Duration:	10.0	sec
Maximum Duration:	120.0	sec
Amplitude Ratio:	50.0	%
Hysteresis:	60.0	%
Hypopnea/Apnea Pr	iority	
🔘 Нурорпеа	Apnea	

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

6. A progress window opens from which you can also cancel the operation. When the analysis is complete, a confirmation message is displayed and the window is closed.



Notes:

- Clicking the **Restore Defaults** button restores the default detection type selections.
- All changes to the acquisition are automatically saved whenever you reanalyze the acquisition.



Manual Scoring

Manual scoring of a study can be done in real-time or after having acquired and saved a study.

The methods and customization of scoring styles are the same for both. Refer to <u>Scoring</u> setup for details. If you are enforcing "state," then the study must be in the scoring state post acquisition.

olling			
Pressure Level Units			New
 hPa 			✓ Scoring
Filtering in Sweep Mode		L	Scored
Filter Warmup Time:			Verifying
10 seconds	1 I I		verifying
Multi Instance Mode		25s	Verified
Enable			Completed
	Mode: PSG +	State: Scoring	Database Connecte
OK Cancel			
	Pressure Livel Units	Pressure avel Units Image: mitted with the second seco	Pressure Livel Units Image: Milling in Sweep Mode Filter Warmup Time: Image:

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.

* Disclaimer: Screenshots may change based on software version.

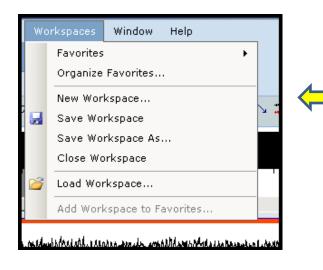
If Scoring Post Acquisition

From the start page tab, select the record to be scored. If the computer is attached to the database, the record to be scored should be assigned to the scorer and should be on the right side of the start page tab under My Acquisitions.

If the record had not been assigned to you, then you must search the database.

My Acquisitions			
Name	Report	Acquisition ID	Date
Bokor, Larry		00000010-A5BS00	1/30/2011
AlicePDx , Sev		00000015-APD×X0	7/8/2008
Merrifield, Julius		00000174-A5BS10	8/29/2011
Mayfield, Ever		00000229-A5BS12	8/26/2011
Diagnostic, Mic		00000601-A5BS10	8/29/2011
Girouard, Ellen		00000824-A5BS10	8/26/2011
Carmody, Cayla		00001652-A5BS10	8/27/2011
Cavalier, Franc		00030338-A5BS07	8/29/2011
artifact, Eugene		00040007-A5BS10	8/30/2011
HARTFORD, SP		00040028-A5BS12	3/4/2009
ASV, RITA		00040052-A5BS18	8/3/2011
mslt-pre, DAVID		00050017-A5BS14	4/28/2010
titration, Samuel		00050385-A5BS06	8/29/2011 🕽
	_		_

Search By											
Last Name:	Г				From Da	te:	10	nuary 01,20	11		Search
Acquisition S		AII.			To Date:			larch 21, 20			
	12000				To Date.		1.00	101011 22,20			
Assigned To	1	AII		*							
Show are	chived acquisi	tions									
Acq Num	Device	Last Name	First Name	Birth Date	Patient ID	Acq Date T	Duration	State	Assigned To	Interpreting Ph	ys. Refer
00040007	A5851094	4 artifact	Eugene	7/19/1956	V. Holloway,	8/30/2011	6:01:00	Completed	BARBARA		3
30000174	A58S1095	5 Merrifield	Julius	3/7/1932	J. Cummings	8/29/2011	6:14:00	Completed	BARBARA		
0000601	A58S1040		Michelle	7/12/1966	Catherine Ha		8:15:00	Completed	BARBARA		
0030338	A5BS0739		Frances	7/5/1936	Dr. Jackson	8/29/2011	7:09:00	Completed	BARBARA		
0050385	A5850699		Samuel	8/9/1939	Dr. Pavlov	8/29/2011	7:38:00	Completed	BARBARA		
0001652	A5BS1037		Cayla	2/10/2009	Deborah Ang		7:00:00	Completed	BARBARA		
0000229	A5BS1233		Everette	8/2/1980	James Gasqu		7:15:00	Completed	BARBARA		
0000824	A5851043		Ellen	6/26/1962	Halvor Hern,		6:54:00	Completed	BARBARA		
0000116	A58S1891		RAJENDRA	5/16/1949	703992	8/23/2011	8:02:22	New	cphillips		
0010129	A5BS1888		BETTY	6/22/1927	075825	8/23/2011	6:40:47	New	cphillips		
0000005	100021	GRAZIOSE	ROBERT	11/20/1966	17910	8/10/2011	8:51:12	New	MMoskowitz		
0071861	A5BS0273		ROSE	8/10/1971	17908	8/10/2011	10:13:03	New			
0000001	100022	FANTAUZZO	EDITH	1/1/1943	17900	8/9/2011	8:23:17	New	sleep		
0000004	100021	FRIEDMAN	TAMAS	3/22/1930	17901	8/9/2011	8:49:11	New			
0002896	A58S0855		Santasha	2/4/1972	17903	8/9/2011	8:17:53	New			
0121750	A5BS0275		JOAN	2/28/1951	17905	8/9/2011	6:31:29	Completed	jberland		
0040052	A5BS1869		RITA	9/14/1959	46661237	8/3/2011	9:17:19	Scored	BARBARA	NAMEN	HAYES
0070094	A5BS0031		RITA	9/14/1959	46457552	6/23/2011	10:46:15	Scored		NAMEN	HAYES
0881489	A5B1015	crb	test	8/8/1966	70707070	6/8/2011	1:06:03	New	BARBARA	Browne	Smyt
0020005	A5BS1896		Millard	1/20/1944	J1638742	5/11/2011	7:00:25	Scoring	btaylor		
0040005	A5851869		TIFFANY	6/10/1980	0272-37-24	4/6/2011	10:37:22	Scoring			
0050002	A5BS1684		DENNIS	6/10/1947	0245-76-61	4/6/2011	9:21:24	Scoring			
0052777	A5BS1119		ANDREA	6/23/1980	46761-PSG	2/22/2011	6:45:20	New			
0054675	LEBS12156		Sleepcare	8/8/1968	30791-PSG-M	2/22/2011	6:08:00	Scoring	labuser		-
10000961	LEBS0000	SMITH	FRANK	2/12/1966	BDB98765	2/17/2011	0:29:13	New	Ainsley Bokor		

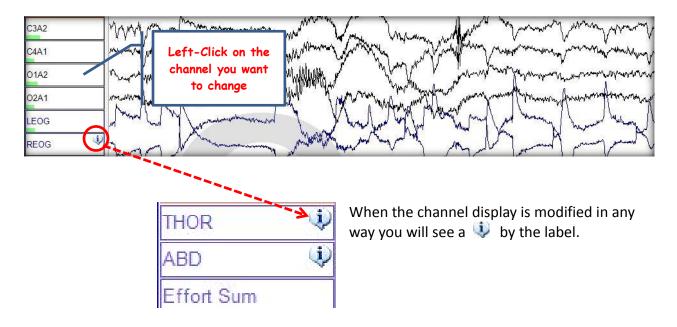


If you have not already loaded the workspaces you want, go to the top tool bar and select workspaces. Then, load your workspace. If you have already organized your favorite workspaces these should show as tabs on the left side of the record.

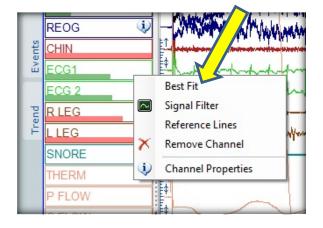
* Note: Screenshots are from the Sleepware G3 Software and Online Help.

Channel Display (Appearances)

To change Channel Display (Appearances), click once on the Channel Label and press the + or – key to change the "appearance" of the channel.

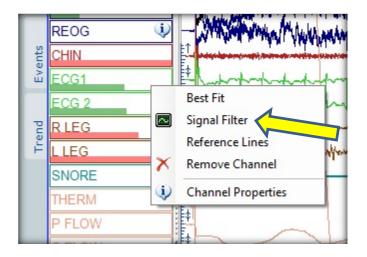


Most channels' wave forms can be automatically sized by using the best fit function: Right-click on the label, and select Best Fit.



To Filter or Re-Filter a Signal

Place the cursor on the channel label (EEG,EMG,ECG,SNORE,EOG) and right click.



	ECG1 Properties			
The channel's <u>property</u> <u>window</u> will appear.	Appearance Data Signal Storage Frequency: Native Resolution: Filtering:	Content 200 12	Hz bits 4Hz LP:93.6Hz N:50/60Hz	
Choose signal filter, and	Filters	0 Hz	Anz EF. 33.012 N.30/0012	
apply to all or one, as needed.	Low Pass: QRS Filter V Notch Filter	0 Hz		
	Apply to all channels of th	is type		OK Cancel

Appearance Data Signal	Content	
Storage Frequency:	200	Hz
Native Resolution:	12	bits
Filtering:	HP:0.2	4Hz LP:93.6Hz N:50/60Hz
Filters		
High Pass:	0 Hz	
Low Pass:	0 Hz	
QRS Filter		
Votch Filter		

These filter changes can be saved with the workspace if desired. Again the label will have the "!" displayed next to it. QRS or Notch filtering may also be adjusted the same way.

Note:

A high pass filter is also known as a low frequency filter (LFF), and a low pass filter is also known as a high frequency filter (HFF).

A high pass filter allows higher frequencies to pass unchanged while attenuating lower frequencies.

A low pass filter allows lower frequencies to pass unchanged while attenuating higher frequencies.

Appearance Data	Signal Cont	ent		
Storage Frequency	:	200	Hz	
Native Resolution:		12	bits	
Filtering:		HP:	0.32Hz LP:93.6Hz N:50/60Hz	
Filters				
V High Pass:	35	Hz	(4.55 ms)	
V Low Pass:	0.3	Hz		
🔲 QRS Filter				
📝 Notch Filter				

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.



Filter Settings

Routinely Recorded <u>Filter Settings</u>	Low Frequency Filter	High Frequency Filter
EEG	0.3 Hz	35 Hz
EOG	0.3 Hz	35 Hz
EMG	10 Hz	100 Hz
ECG	0.3 Hz	70 Hz
Respiration	0.1 Hz	15 Hz
Snoring	10 Hz	100 Hz

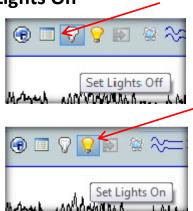
[Recommended per AASM Manual for Scoring Sleep, 2007]

Lights Off – Lights On

Before you start <u>staging</u> the study, you should enter lights out and lights on.

These parameters may also be added during the acquisition. They can be set to automatically begin and end with the recording.

Recording Star	10:15:26 PM	<u> </u>		
Lights Of				
Sleep Onse	10:24:26 PM	A.	Automatically cal	culated
Lights Or	5:00:44 AM	4	🔽 Same as Recordin	ng End
Recording End	1: 5:00:46 AM	- <u>x</u>		
plit Nights				
itart / Si	eep Onset	End	Duration	Modify
				Delete



<u>Sleep onset</u> is automatically calculated as the first epoch of sleep. If you chose to edit the time, these are found from the top tool bar under Edit > Time Markers.

To score respiratory events, you can start at lights off.

* *Note*: Screenshots are from the Sleepware G3 Software and Online Help.

From the Start Page tab, select the record to be scored.

	revices Report Video	Tools Workspaces Window H	sip				
Recently Opened Acquisition	IS			My Acquisitions			
Name	Reports	Acquisition ID	Date	Name	Reports	Acquisition ID	
Test, Patient		00020004-A5BS00315	2/23/2005	Davis, Robert	M	00020021-A5B509029	
Johns, Rhonda	M	00030414-A5BS10621	7/6/2011				
Earl, Connie		00040444-A5BS12321	7/6/2011				
NOVAK, DENNIS	M	00050002-A5B516844	4/6/2011				- -

If you have not already loaded the workspaces you want, go to the top tool bar and select Workspaces. Then, load your workspace.

To change or enter a sleep stage, press the number that corresponds to the stage: W (wake) = 0 or W N1 (stage 1) = 1 N2 (stage 2) = 2 N3 (slow wave sleep) = 3 R (REM) = 5 or R

Information About Scoring Events

- Sleepware automatically deletes any events that are overlapped by manually scored events of the same family.
- You can score events while at any zoom setting.
- If you choose to look at the respiratory channels in another zoom setting, you can select a setting by using CTRL + 1 for 15 sec., 2 for 2 min., 3 for 30 sec., 5 for 5 min., 6 for 60 sec., 0 for 10 min or use the dropdown window.

IPAP	0.0 0.0	0.0	0.0	0.0
EPAP	0.0 0.0	0.0	0.0	0.0
Leak	0.0 0.0	0.0	0.0	0.0
Body	s			
1 second	321	<u>e</u>	314	
5 seconds 6 seconds	320		317	
10 seconds 15 seconds 30 seconds	<u> </u>	1158	-3 -3	-
1 minute 2 minutes			•	
4 minutes 5 minutes	l	L.		1
10 minutes				
30 seconds 🔹 🔻	H H A		_	_

* Note: Screenshots are from the Sleepware G3 Software and Online Help.



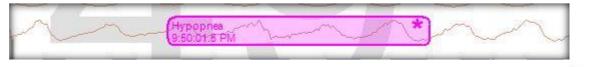
- You cannot score events in periods marked as Wake unless you have configured Sleepware to do so. *Exception*: You can score events in the first 15 seconds of a Wake epoch that is preceded by sleep.
- You can score a respiratory event and arousal with a single mouse click-and-drag operation. When doing so, you can choose one of the following options:
 - a) Central Apnea with Arousal
 - b) Obstructive Apnea with Arousal
 - c) Mixed Apnea with Arousal
 - d) Hypopnea Apnea with Arousal

Each of these options results in the creation of two distinct events. The events are displayed in the standard manner as if they were created separately. The arousal event created has a default length of 3 seconds. The start of the arousal event will occur 1.5 seconds before the end of the respiratory event.

To Add an Event

To add an event, left click and drag mouse to highlight the event. A drop-down menu will appear allowing you to select an event.

See Set Scoring Styles for options, page 7.





* Note: Screenshots are from the Sleepware G3 Software and Online Help.



• You can manually mark events by clicking on the appropriate icon from the Single-click Scoring toolbar.



Then, click in the raw data to add that event.

• You can use single-click scoring or use single-click scoring smart mode. You can have a single click icon active and still click and drag another type of event. For example, click and drag a respiratory event and single click the arousal.

The respiratory events are color-coded. Default colors are:

- Central apneas (C) are **blue**.
- Obstructive apneas (O) are red.
- *Hypopneas (H) are light purple.*
- RERA (R) are **dark** purple.
- Mixed apneas (M) are black.

To Delete an Event

The **DELETE KEY** is used to remove unwanted events.

To use it, click on the unwanted event, if it is not already highlighted.

Then, press the DELETE key. You can also right click on any event and delete all events of that type.

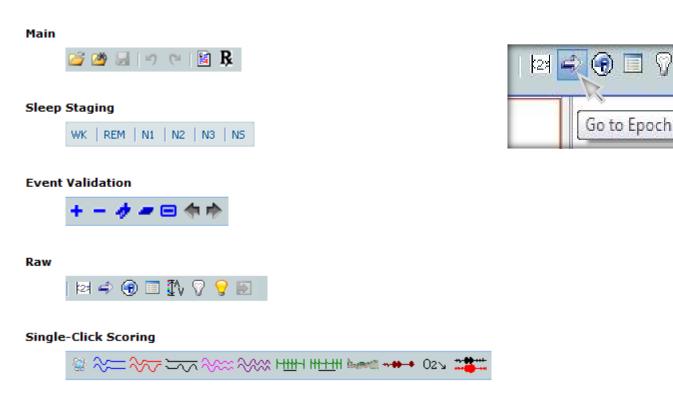


Toolbars

By default, several toolbars are displayed across the top of the acquisition tabs.

You can toggle the toolbars 'off' and 'on' using the **View > Toolbars** option from the Main Menu bar.

The available toolbars are listed below. Hover the mouse pointer over an icon on the toolbar to display a brief explanation of the icon.







1104581 R02 JDW 08/06/2014

 ${f i}$ Consult the manual for additional information.

 $\ensuremath{^*\textit{Note}}$: Screenshots are from the Sleepware G3 Software and Online Help.

* Disclaimer: Screenshots may change based on software version.

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G3 Training Module



* Note: Screenshots are from the Sleepware G3 Software and Online Help.

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Workspaces

Workspaces consist of one or more panels. Typically, all panels in the workspace are dockable and synchronized.

- **Dockable** means the panels are docked inside a main window and do not float on the screen.
- <u>Synchronized</u> means that all panels are synchronized to the same point in time. All panels within the active workspace are synchronized and all panels for all open workspaces are synchronized.



Each workspace that is opened for an acquisition has a tab on the left side of the display. You can switch between workspaces by selecting the applicable panel (or using a predefined hot key).

Workspaces can be customized for individual users and automatically launched for specific logons, i.e. John's login can have his workspaces automatically load, and Jan's login can have her workspaces automatically load.

Workspaces are generally kept in a centrally located shared folder. The default location is C:\Users\(logonname)\Documents\Philips Respironics\Sleepware G3\DefaultSleepwareUser\Workspaces. The location is usually changed so that all users have access to the workspaces.

The location is usually a created folder on the computer that has the database. For example: <u>\\room1\sleepwareG3\workspaces</u>

Upon initial logon, you will need to go to Workspaces > Load, and point to that location.

You only need to do this the initial time you log onto Sleepware on any computer.

Creating New Workspaces

The New Workspace window allows you to create a new workspace while viewing acquisitions. A new workspace tab is created and appended to the bottom of the existing tabs.

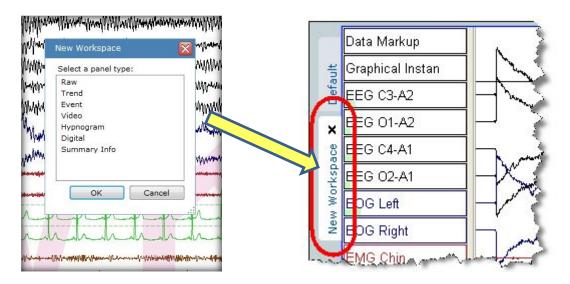
Follow these steps to create a new workspace:

1. With an acquisition open (in Live View or Offline), select Workspaces > **New Workspace** from the main menu bar.

G3 SI	eepware G3 - Davis, Rober	ery 15, 1972)	-				-	
File	Edit View Scoring	Devis Seport	Video Tools	Wo	rkspaces	Window Help		
	A5BS09029 Recording: 00:17:45	2 % .			Favorites Organize	Favorites	٠	
	nfiguration Start Page D	avis, Robert 🗙	· ~~~~~~	1	New Wor	kspace		021
					Save Wo	rkspace		•Z 3
Ŧ	Data Markup				Save Wo	rkspace As		
Default	F3M2	1			Close Wo	orkspace		
ă	1 51012			2	Load Wo	rkspace		
	F4M1	V			Add Worl	kspace to Favorites		
	C3M2	🤹	,					
	C4M1	🤹	& ⁻ *	***		~~* <i>****</i> ~~****************************		
	O1M2	🤨						**************************************
		(1)						

The New Workspace window opens.

Select the panel type appropriate for the workspace and click **OK**. A new workspace tab is created.



* Note: Screenshots are from the Sleepware G3 Software and Online Help.



Panel Types

Raw View Panel (In Legacy Sleepware this is F4):

The Raw View Panel displays the "raw" PSG channel data at various zoom levels ranging from 1 second to 10 minutes. A typical zoom level is 30 seconds, which equates to one epoch of the study.

Trend View Panel (In Legacy Sleepware this is F3 or F5):

The Trend View Panel displays the trended PSG channel data at various zoom levels ranging from 1 - 10 hours in 1-hour increments. An "entire study" zoom is also provided.

Trended data typically consists of a moving 6-second average of the data displayed in the Raw View Panel. This enables the data to be viewed for longer periods of time. Events are also displayed on the Trend Panel and a hypnogram can also be displayed on this panel.

Raw view and trend view channels can be further modified by deleting unwanted channels from view.

Video Panels

- There are two types of video panels: Live View and Offline.
- A live view video is used to display the live video feed from a camera. A live view video panel can either be **docked** or **undocked**.
- An **offline video** panel is used to playback recorded video and display video snapshots.
- **IMPORTANT TO NOTE**: You can only have one open workspace that has a video panel in it, so you may want to open the video panel after you open the workspace, rather than saving it in the workspace.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

Docked Live Video Panel

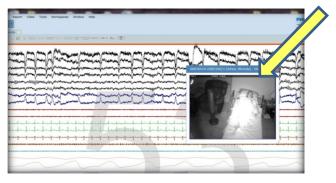
When a docked video panel is present during an acquisition, it becomes a Live View Video Panel. A docked Live View Video Panel has the identical controls and functions that are described above for the undocked Live Video Panel. The only difference is the panel is docked.

During an acquisition, there can be only one docked video panel created. Once a video panel is present, you cannot add any more. If an undocked Live View Video Panel is open at the time an acquisition starts, the undocked panel stays open, and you are prevented from displaying and creating a docked video panel. This is because only one video panel is allowed at any given time.



Undocked Live View Panel

An undocked live video panel would typically be created prior to the start of an acquisition. This allows you to view the patient room before acquisition start. An undocked live view panel has the top priority of all windows so that it cannot be hidden.



Offline Video Panel

An offline video panel can be docked or undocked and remains synchronized with the other panels in the workspaces for an open acquisition. Only one offline video panel can be displayed at a time.



Event View Panel

(In Legacy Sleepware this is F2)

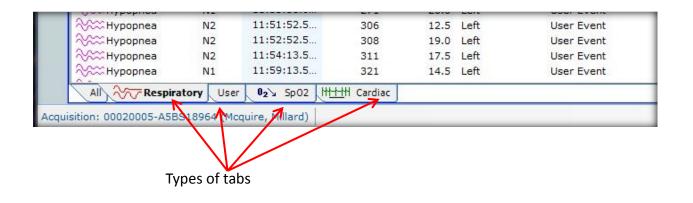
The Event View Panel displays events in a tabular format. You can select events in the panel and manipulate them. An event that is selected in this panel is automatically selected in other panels for other open workspaces.

Event Tabs

Event tabs allow you to quickly switch between multiple views of the event list. The tab control always has at least one tab. Tabs can be closed or added by right-clicking on the tab control.

There are three types of tabs:

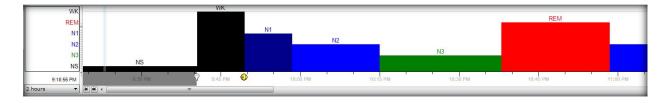
- tabs that hold events of any type
- tabs that hold events from a specific family
- tabs that you can customize to hold only events of a specified type



Hypnogram Panel

The Hypnogram Panel displays the sleep stage data at various zoom levels including 5 minutes, 10 minutes, 30 minutes, 1-10 hours in 1-hour increments, and the entire study.

The hypnogram can be configured to remove the time scale and zoom controls. The label area can be removed thereby maximizing the available display space. The panel can also be undocked and resized for enhanced readability.



* Note: Screenshots are from the Sleepware G3 Software and Online Help.



Hypnogram Properties

You can enhance the appearance of the hypnogram by changing its display properties:

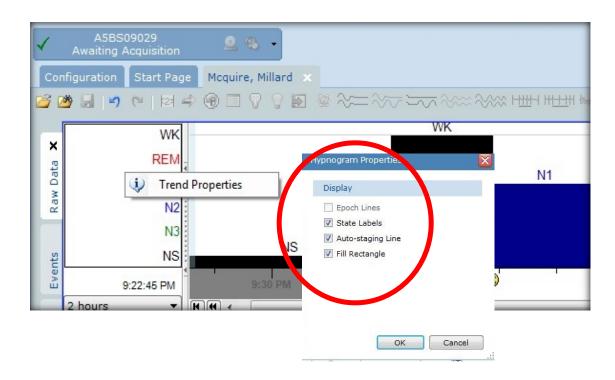
- 1. Place the mouse pointer in the sleep stage label area of the hypnogram and right-click. Then, click on the **Trend Properties** pop-up. The Hypnogram Properties window opens.
- 2. Select or deselect any of the properties shown.

Epoch Lines - (visible if the zoom level is one hour or less) Vertical lines signifying the boundary of an epoch.

State Labels - Adds sleep stage identifiers (WK, REM, N1, N2, etc.) atop each stage in the hypnogram.

Auto-staging Line - Horizontal line depicting auto-stage results (if present).

Fill Rectangle - Fills the space under each stage with solid colors as assigned in the Sleep Staging window.



* Note: Screenshots are from the Sleepware G3 Software and Online Help.

00020005-A5BS18964 (N	1cquire, Millard ┣
IR (avg)	53.9
IR (min)	51
HR (max)	58
IR	52
SpO2 (avg)	91
SpO2 (min)	89
SpO2 (max)	94
SpO2	91
CPAP (avg)	0.0
CPAP (min)	0.0
CPAP (max)	0.0
CPAP	0.0

Digital Data Panel

The Digital Data Panel shows the digital values of user-specified channels. This panel can be used in offline or real-time modes. In offline mode, the values in the panel are dynamically updated as you move through the data.

Each channel label in a box and the boxes themselves are equally sized either horizontally or vertically depending on the orientation of the panel. The Digital Data Panel can be undocked allowing you to have a small "floating indicator" on the computer screen.

Channels Thresholds	Colors	
	Lower	Upper
Heart Rate:	40	130
SpO2:	90	←
pH:	6	•
EtCO2:		20

You can configure the data values to be used in a Digital Data Panel as well as certain thresholds and the colors associated with the thresholds.

The font size can be changed from the Configuration Tab.

The <u>Summary Info Panel</u> displays the Titration Log and the RDI Summary table. This panel can be used in online or offline modes.

AI	ousal S	Summary	(TST)					
s si	eep Su	mmary	(TIB)					
s S	02 Su	mmary	(TIB)					
a Tri	tration	Log	(TST)					
IPAP	EPAP	Start Time	Total Dur.	Sleep Dur.	RDI	AHI	Apneas	Hyp.
D	0	9:49:25 PM	181.8	160.5	23.2	23.2	4	58
5	0	12:51:13 AM	0.3	0.0			0	0
\$	s	12:51:31 AM	7.0	2.6	0.0	0.0	0	0
ŧ	5	12:58:31 AM	0.3	0.3	0.0	0.0	0	0
	7	12:58:49 AM	22.4	14.1	4.3	4.3	1	0
.0	7	1:21:13 AM	0.3	0.0			0	0
0	10	1:21:31 AM	105.1	86.0	0.7	0.7	0	1
1	10	3:06:37 AM	0.3	0.0			0	0
1	11	3:06:55 AM	44.0	32.0	0.0	0.0	0	0
			1					,
R	DI Sum	mary	(TST)					
RDI:				13.0				
AHI:				13.0				
	a Count			5				
typo	pnea Co	unt		59				
	A Count			0				
	Percen	lane		0.5				

Summary Info Panel

 Arous 	sal Summary	(TST)		
 Sleep 	Summary	(тів)		
	ummary Info Prop	arties		X
• SI	Summary Info Sectio	na		
п	Section Name	Display Section	*	Up
-	Arousal Summary	Yes		Down
	Sleep Summary	Yes	E . 1	
a second second	Sp02 Summary Titration Log	Yes Yes		
	RDI Summary	Yes	-	Modify
5	Start time:	9:39 PM		
7 10				
10 8	ind time:	4:10 AM		
11	en engen e			0
9	9:39 PM			4:10 AM
- RI				
			OK.	Cancel
RDI				
		13.0		
RDI: AHI: Apnea C	ount:	5		
AHI: Apnea C	ount: a Count:			

With the Summary Info Panel displayed, right-click anywhere on the panel and select **Summary Info Properties** from the pop-up menu.

The Summary Info Properties window opens.

Workspace Favorites

Add a Favorite

- 1. From the Main Menu select workspaces. Then select 'Add Workspace to Favorites...'
- 2. Click the Add button.
- 3. Enter a Name that is easy to remember.
- 4. (Optional) Select a **Shortcut Key** from the list. The default is None.
- 5. (Optional) Select a Favorite to open on Double-click from the list. The default is None.
- 6. (Optional) Click the Preload when an acquisition is opened option.
- 7. (Optional) Click the **Preload when an acquisition is started option**.
- 8. Click **OK** to save the favorite.

33 Sleepware G3 - ASV, RITA (September 14, 1959)	
File Edit View Scoring Devices Report Video Tools Workspaces Window Help	
Bata Markup Save Workspace F3M2 Implement With With Withow Workspace G3M2 Implement With Withow Workspace	
EEOG	Workspace File: C:\Ulcers\310030815\Documents\Philing Recoirconics\Sla
ChinEMG	Name: New workspace
	Shortcut Key:
	Favorite to open on Double A Raw Data
	✓ Preload when an sition is started OK Cancel

Organize Workspace Favorites

The Organize Workspace Favorites window allows you to view, add, modify, and delete workspace favorites. The window lists all of the workspaces that are designated as favorites. The favorites can either be internal or user modified.

Favorites provide the ability to quickly find workspaces and to associate important properties with them such as double-click and preload properties.

File Edit View Sco	ring Devices	Report V	ideo Tools	Wor	kspaces	Window Help	
ASBS09029 Awaiting Acquisition		-			Favorites		•
					Organize	Favorites	
Configuration Start Pa					New Work	kspace	-
S S C S	4 🖲 🗖 🤇	7 💡 💽 👻	≈=∞==		Save Wo	rkspace	0,
Data Markup				-		rkspace As	- 5
E3M2	(i)	Anna Marin	www.		Close Wo		~
F4M1		munulim					-
		A man allows	had the next	2	Load Wor	kspace	-
2 C3M2 C4M1		state and	-minarana		Add Work	space to Favorites	h
01M2					ment.	youndly mon	
	n						
S 02M1		- Annal Walker	a harrow have	-		MMMM managements	
E LEOG			and a second second	~~~	- antraped	www.www.	4gv
REOG	÷		the share of the			Mummun	
ChinEMG		et				A CAMPANNA CONTRACTOR	
a EMG1							

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

Modify a Favorite

- 1. From the Main Menu select workspaces. Then, select 'Organize Favorites...'
- 2. Then, select the workspace to be modified. Click the **Modify** button.
- 3. Enter a Name that is easy to remember.
- 4. (Optional) Select a **Shortcut Key** from the list. The default is None.
- 5. (Optional) Select a Favorite to open on Double-click from the list. The default is None.
- 6. (Optional) Click the **Preload when an acquisition is opened option**.
- 7. (Optional) Click the **Preload when an acquisition is started option**.
- 8. Click **OK** to save the favorite.

Name	Shortcut	Double-Click Favorite	File	H Up
lans psg	Alt+1	Events	C:\Users\\Jans psg.xml	Down
odbpsg	Alt+0	1 Hour Trend	C:\Users\\bdbpsg.xml	Down
Raw Data	F4	None	(INTERNAL)	
Events	F2	Jans psg	C:\Users\\Events.xml	Add
1 Hour Trend	F3	Raw Data	(INTERNAL)	Modify
Trend	F5	1 Hour Trend	(INTERNAL)	Houny
1 Hour Neuro Trend	F6	Raw Data	(INTERNAL)	Delete
Neuro Trend	F7	1 Hour Neuro Trend	(INTERNAL)	K
Events/Raw Data	F11	None	(INTERNAL)	
Frend/Raw Data	F12	None	(INTERNAL)	
Neuro View	Control+Alt+1	None	(INTERNAL)	
Pneumo View	Control+Alt+2	None	(INTERNAL)	
Cardio View	Control+Alt+4	None	(INTERNAL)	

Delete a Favorite

- Select a favorite and click the **Delete** button. The Workspace Favorite is deleted.
- Click **OK** to save your changes





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Consult the manual for additional information.

* Note: Screenshots are from the Sleepware G3 Software and Online Help.

* Disclaimer: Screenshots may change based on software version.

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