Wireless Music Center + Station

User manual

DRAFT
WARNING! These sketches are for direction only; not final designs!
CONFIDENTIAL

www.philips.com/support

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Important notes for users in the U.K.

Mains plug

This apparatus is fitted with an approved 13 Amp plug. To change a fuse in this type of plug proceed as follows:

1 Remove fuse cover and fuse.

2 Fix new fuse which should be a BS1362 5 Amp, A.S.T.A. or BSI approved type.

3 Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place.

If the mains plug contains a fuse, this should have a value of 5 Amp. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5 Amp.

Note: The severed plug must be disposed of to avoid a possible shock hazard should it be inserted into a 13 Amp socket elsewhere.

How to connect a plug

The wires in the mains lead are coloured with the following code: blue = neutral (N), brown = live (L).

As these colours may not correspond with the colour markings identifying the terminals in your plug, proceed as follows:

– Connect the blue wire to the terminal marked N or coloured black.

– Connect the brown wire to the terminal marked L or coloured red.

– Do not connect either wire to the earth terminal in the plug, marked E (or e) or coloured green (or green and yellow).

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not simply over the two wires.

Copyright in the U.K.

Recording and playback of material may require consent. See Copyright Act 1956 and The Performer's Protection Acts 1958 to 1972.

HELPDESKS	PC PERIPHERALS AFTER SALES	
	ACCESS NR.	TYPE
Austria	01 5465 75603	PSTN
Belgium	02 275 0701	PSTN
Cyprus	800-92256	IFS
Denmark	35 25 87 61	PSTN
Finland	09 2290 1908	PSTN
France	03 8717 0033	DDI
Germany	0696 698 4712	PSTN
Greece	00800 3122 1223	IFS
International (Toll)		
International (Toll)		
Ireland	01 601 1161	PSTN
Italy	02 4827 1153	PSTN
Luxembourg	26 84 3000	PSTN
The Netherlands	053 482 9800	DDI
Norway	22 70 82 50	PSTN
Poland	00800 311 1338	
Portugal	800-831-363	IFS
Spain	917 456 246	PSTN
Sweden	08 632 0016	PSTN
Switzerland	02 2310 2116	PSTN
United Kingdom	0207 949 0069	PSTN

Italia

DICHIARAZIONE DI CONFORMITA'

Si dichiara che l'apparecchio WACS700 Philips risponde alle prescrizioni dell'art. 2 comma 1 del D. M. 28 Agosto 1995 n. 548

Fatto a Eindhoven

Philips Consumer Electronics
Philips, Glaslaan 2
5616 JB Eindhoven, The Netherlands

Hereby Philips Consumer Electronics, BCU Audio Video Entertainment, declares that this product WACS700 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

⚠ *CAUTION*
Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure or other unsafe operation.

This set complies with the radio interference requirements of the European Community. Hereby Philips Consumer Electronics, BCU Audio Video Entertainment, declares that this product WACS700 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Norge
Typeskilt finnes på apparatens bakside.
Observer: Nettbryteren er sekundert innkoplet. Den innebygde netdelen er derfor ikke frakoplet nettet så lenge apparatet er tilsluttet nettkontakten.
For å redusere faren for brann eller elektrisk støt, skal apparatet ikke utsettes for regn eller fuktighet.

Philips online support

Philips products have been designed and manufactured to the highest quality standards. If your Philips Connected Planet product is not working correctly, we recommend you check your User Manual to verify that your product is properly connected and configured.

The web site for Connected Planet support: **www.philips.com/support** offers you all information you need to optimally enjoy your product, and about new additions to this exciting range, to make your home entertainment experience even more enjoyable.

Please visit: **www.philips.com/support** and enter your product name (WACS700) to view:
• FAQ Frequently Asked Questions
• Latest user manuals and PC software manuals
• Firmware upgrade files for WACS700
• Latest PC software downloads
  • **interactive troubleshooting**

Since it is possible for you to upgrade your product, we recommend that you register your product on **www.philips.com/register** so we can inform you as soon as new free upgrades become available.

Enjoy your WACS700!

The model number is on the rear of the set.

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PHILIPS

EC DECLARATION OF CONFORMITY

We,   Philips Consumer Electronics
                                    (manufacturer's name)

            Philips…

declare under our responsibility that the electrical product:

Philips   **WACS700/22**
(*name*)   *(type or model)*

                    Wireless Music Center + Station
                    (product description)

to which this declaration relates is in conformity with the following standards:

EN55013-2001….

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Important Note:
Due to the numerous versions of new
CD-Audio copy protection or
enhanced CD-Audio protection
recently available on certain discs,
Philips is unable to guarantee that
this product is fully compatible
with such new discs. Should you have
difficulty playing any such CD-Audio
discs, kindly refer them to your CD Audio
disc retailer.

Acknowledgements

Music recognition technology and related data are provided by Gracenote® and the Gracenote CDBB® music recognition service. Gracenote is the industry standard in music recognition technology and related content delivery. For more information visit www.gracenote.com

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IMPORTANT!

RETAIN YOUR ORIGINAL FILES
Please ensure that you retain the original files transferred to your STATION. Philips is not responsible for any loss of content if the product becomes damaged or the hard disk not readable.

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About your Wireless Music Center + Station

- This all-in-one system comprises of 2 units: WACS700, your Wireless Music Center and WACS700 your Wireless Music Station.
- WACS700 is capable of wirelessly streaming audio content to up to five WACS700 Stations via uPnP. You can share and enjoy music stored on the Center around your house at a touch of a button.
- Display support for 5 European languages: English, French, Spanish, German and Italian

- **Your WACS700 Center can also:**
  - Play MP3, WMA, 8cm and 12cm audio CDs (up to 750 CDs), finalised audio CDR and CDRW discs
  - Built-in 40GB** capacity to playback and record up to 750 CDs
  - use its built-in **gracenote** CDDB Database to search and display any available ID3 tag information when you load original, pre-recorded audio CDs
  - rip, compress and store audio CD files into MP3 format
  - record and store FM tuner or an AUX source (up to 10 files of 3 hours each) as audio Flash files
  - connect to a computer using WiFi and/or Ethernet. You can then simply transfer files from your computer using the DMM software.
  - provide up to 40GB** of hard disk storage space for other data formats

**Actual free space=35GB or less, due to firmware, CDDB database and demo tracks stored.

WAS700 Station
- This is able to stream music from any uPnP server/ PC, not just the WACS700 Center.

System Requirements

- PC system requirements: Windows 98 SE, 2000, XP or higher OS
- Ethernet-based broadband Internet access (cable/ DSL)
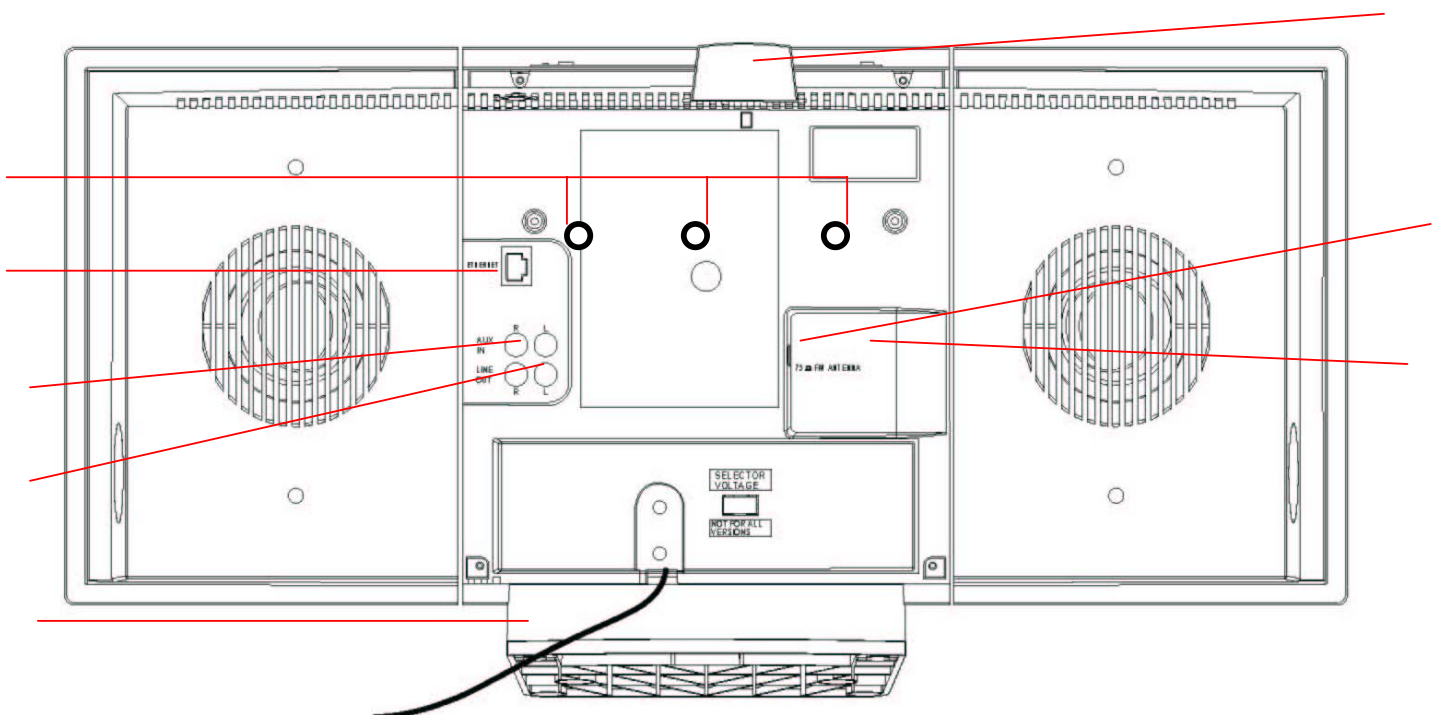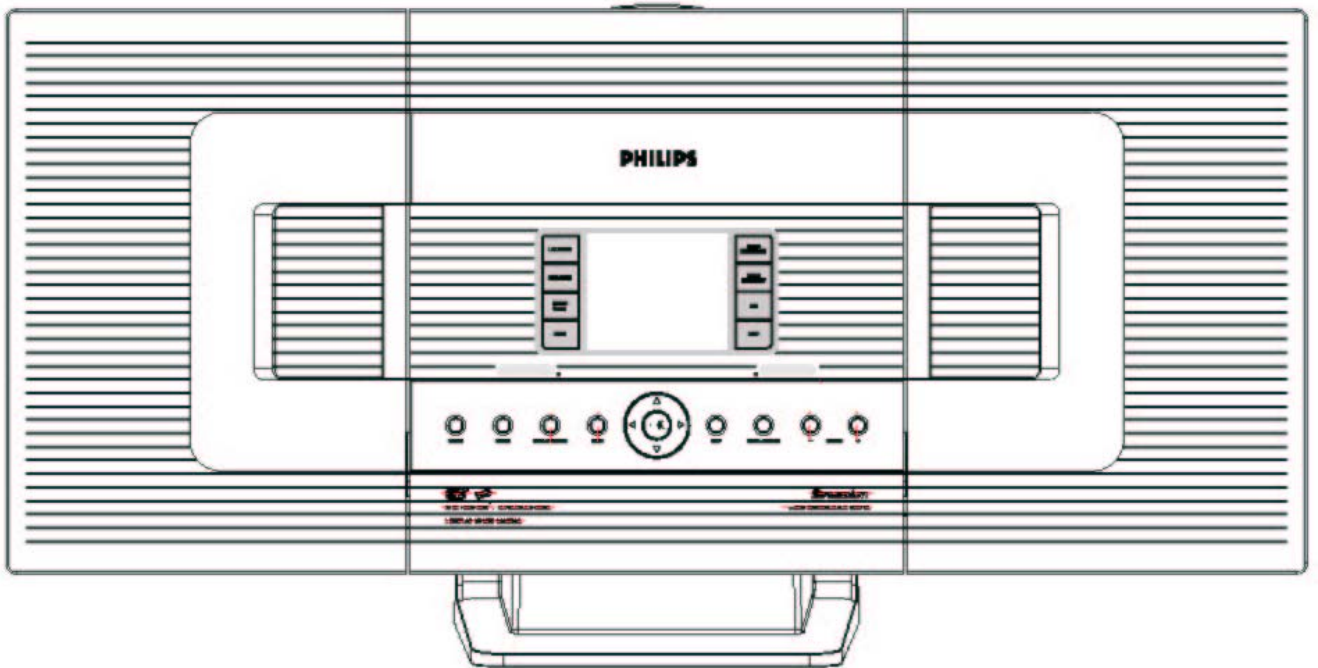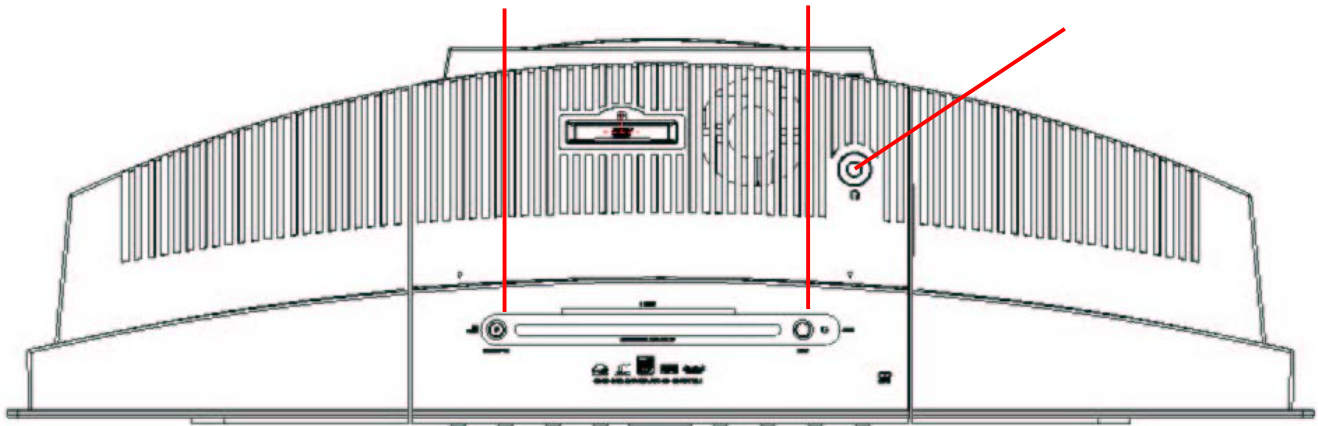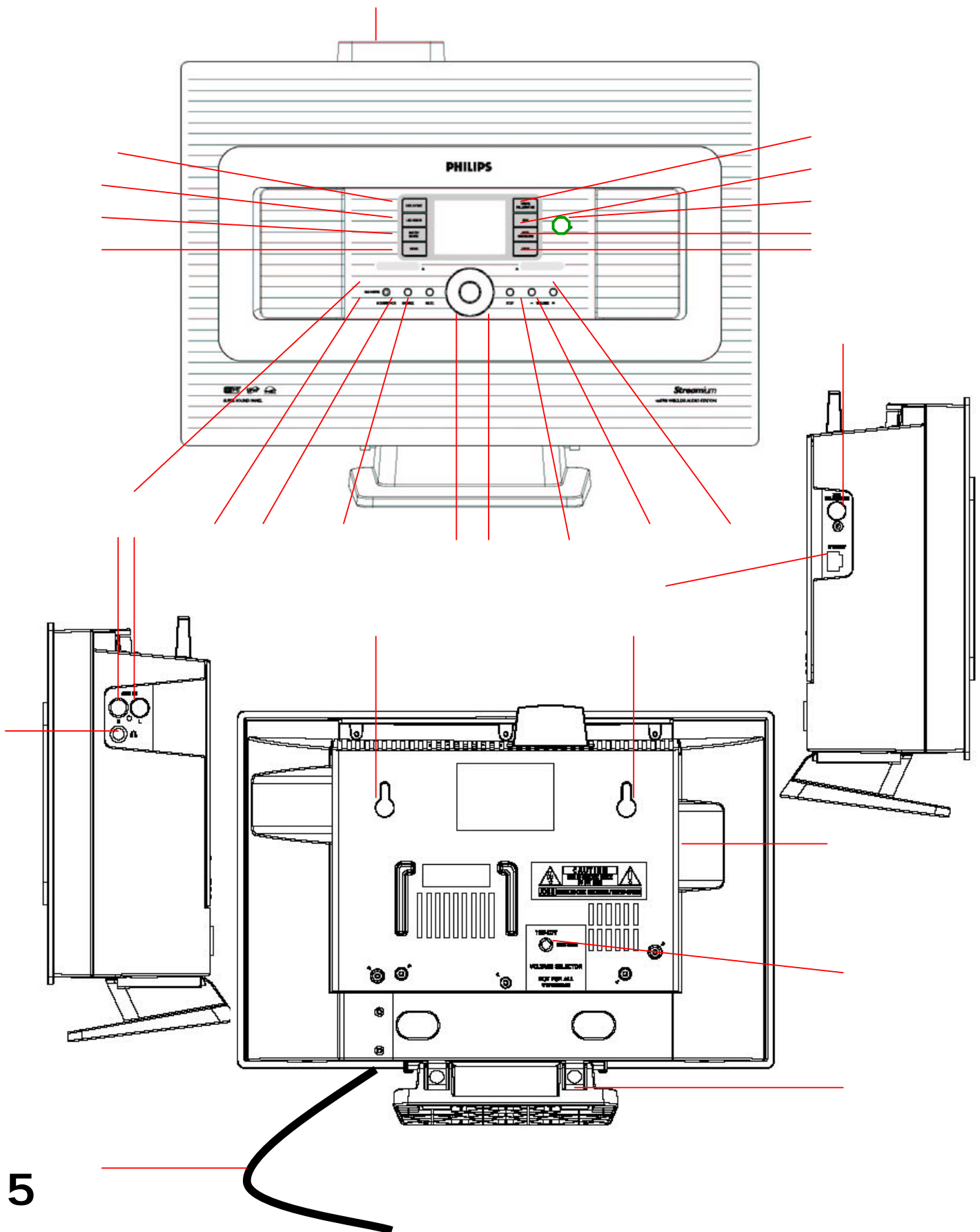
3

Fig.1 Wireless Music Center, WAC700

Fig.2   Wireless Music Station, WAS700

Controls (See fig. 1 & 2. *Features are same on both Center & Station unless stated*)

Top & Front

STANDBY ON - press briefly for standby on/ off (green light indicator when streaming)
-press and hold to activate **ECO POWER** standby (red light)

EJECT –eject disc (*on Center only*)

ACTIVE – indicator lights up during wi-fi streaming (broadcast from Station)
LIKE ARTIST - selects all tracks of a specified artist
LIKE GENRE - selects all tracks of a specified genre
MATCH GENRE – activates preset sound setting to match a genre
MENU - menu view on/ off
MUSIC FOLLOWS ME - stream music from Center to (other) Station(s)
MUSIC BROADCAST – activates music broadcast at a chosen Station (*on Center only*)
DBB – toggles Dynamic Bass Boost options to enhance bass
VIEW – display view options

Flat Plexi-Piston™ speakers
IR –infrared sensor for remote controls
Always point the remote control towards these sensors

SOURCE – toggles 4 sound sources
REC – to record from a selected source. Lights up red when recording
(*on Center only*)
INCR.SURROUND – Incredible Surround sound option on/off
MUTE – mute sound on/off

Navigation control:
OK start /pause playback; confirm a setting;
◄/ ► previous/ next level screen;
▲ Up / previous / scroll upwards/ fast search play backwards
▼ Down / next / scroll downwards/ fast search play forwards

STOP – stops CD/ HD playback;
- stops music broadcast;
- stops recording; (*on Center only*)

MARK/ UNMARK - mark or unmark tracks for ripping (*on Center only*)
VOL -/+ - adjusts volume

Left/ Right/ Rear…

X – socket for 3.5mm headphones (not included)
WI-FI - antenna

screw holes – for wall mounting
FM tuner coaxial cable connection (cable not included)
LAN/ Ethernet connection
AUX IN Left, Right – connect to the analogue audio output of external devices
LINE OUT Left, **R**ight – connect to the analogue audio inputs of an external recording device/ amplifier (*on Center only*)
FM ANTENNA - connect the supplied FM cable here
Voltage selector – *some versions only. [Korea/ 01 version]*

AC mains - plug to power supply when you have made all other connections and positioned the set (see **Quick Start Guide**)

Detachable stand - Detach if you choose to wall mount the system (see **How to mount your Center and Station**)

Fig.3 Remote controls

Center 2-way Display Remote

- Use this remote control to navigate menu options and operate all the features on your WACS700 system.
- By simply pressing **REFRESH**, the black and white display screen on this remote conveniently allows you to select viewing the information as displayed on your Station or Center.
- Display support for 5 European languages: English, French, Spanish, German and Italian

> **TIP**
> - Some features, e.g. recording (**REC** button), **MUSIC BROADCAST, MARK/ UNMARK,** selecting the CD source can only be operated on the Center and 2-way remote.
> - **RDS/ NEWS** functions only for versions and regions with RDS reception

REFRESH – Synchronize the remote display with the Center/ Station
- press briefly to switch to standby;
- press and hold for **ECO POWER** standby On
Display - shows device status, menus and track information
CD/MP3-CD – selects/ switches on device to disc source (*on Center only*)
HARDDISK – selects / switches on device to hard disk source
TUNER/AUX - toggles / switches on device to Tuner/AUX (AUX *on Center only*)

Navigation control:
OK confirm a setting;
◀/ ▶ previous/ next level screen;
▲ Up / previous / scroll browse upwards/ fast search play backwards
▼ Down / next /scroll browse downwards/ fast search play forwards

SCROLL ▲/▼ - scrolls up/ down menu items
MENU - menu view on/ off

VOL -/+	- adjusts volume
ALBUM /TITLE ◄◄/►►	-fast search MP3 album and titles backwards/ forwards
VIEW	– display view options
STOP ■	– stops CD/ HD playback;
	- stops music broadcast;
	- stops recording;
	- ejects disc (*on Center only*)
►II / ►	- start /pause playback
PROGRAM/ 1	- enters program menu; input 1
REPEAT/ 2, a, b, c	- toggles repeat play options;
	- alphanumeric input
SHUFFLE/ 3, d, e, f	- toggles random play options
	- alphanumeric input
INCR. SURR/ 4, g, h, i	- toggles Incredible Surround sound option on/off;
	- alphanumeric input
DBB / 5, j, k, l	- toggles Dynamic Bass Boost options to enhance bass;
	- alphanumeric input
MARK/ UNMARK/ 6, m, n, o	- mark or unmark tracks for ripping (*on Center only*);
	- alphanumeric input
SLEEP / 7, p, q, r, s	- sets the sleep timer to automatically switch off the device;
	- alphanumeric input
DIM / 8, t, u, v	– switches display lighting on/off (*on Center only*);
	- alphanumeric input
RDS/ NEWS/ 9, w, x, y, z	- *TUNER:* selects RDS information;
	- *In other modes:* activates/ deactivates news;
	- alphanumeric input
MATCH GENRE	– activates preset sound setting to match a genre
LIKE ARTIST/ 0	- selects all tracks of a specified artist;
	- alphanumeric input
LIKE GENRE	- selects all tracks of a specified genre
REC	– to record from a selected source (*on Center only*)
MUTE	– mute sound on/off
MUSIC BROADCAST	– activates/ deactivates music broadcast at a chosen Station (*on Center only*)
MUSIC FOLLOWS ME	- stream music from Center to (other) station(s)

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Fig. 4 Station 36-key card remote

- This remote is designed to operate all the features on the Station.
- Some features, e.g. recording (**REC** button), **MUSIC BROADCAST, MARK/ UNMARK,** selecting the CD source can only be operated on the Center and 2-way remote.

Most of the controls are similar to the Center 2-way remote. Below, is a list of variations:

alphanumeric input - combined with other feature buttons as shown

Server - selects / switches on device to hard disk source

▲   - short press up/ long press to scroll browse backwards

▼   - short press down / long press to scroll browse downwards

I◄   - go to previous level screen
►I   - go to next level screen
◄◄ - fast search backwards
►► - fast search forwards
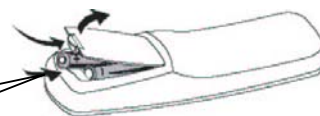

Server

PHILIPS

TIP
For an explanation of the other button features, please refer to the details as given for the Center remote (page xx-xx).

Using the remote control

Center remote control

Inserting batteries

1 Insert **4 x AAA** alkaline batteries with correct polarity (+/-) as shown.
2 Close the battery compartment.

| Center remote: 4 x AAA |

Low battery icon

```
🔲 📻 ⏣ 🔲          🔋
Ben fire
<Compadre        >
Dance Floor
Dark Pants
Escape      12/325
```

- When the Center remote display shows the battery low icon 🔋, replace your **AAA** batteries for optimal performance.

Station remote control

| *remove the protective plastic tab* |

- ***For the Station remote***: remove the protective plastic tab from the compartment before use.
- Replace the **CR2025** battery from the compartment as shown, when the remote control fails to work even when operated near the Center/ Station.

| Station remote: |
| 1x CR2025 |

(BACK)
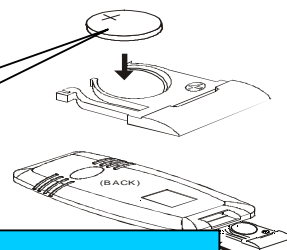
TIPS

- **For best operation, avoid blocking your remote signal path:** Any obstruction between the 2-Way remote signal and the Center's IR sensor may cause a temporary delay between the Center's actual display and that shown on your remote control.
- Always select the source you wish to control first e.g. CD, TUNER, then select the desired function.
- Do not use old and new or different types of batteries in combination.
- Remove batteries if they are empty or if the remote control will not be used for a long time.

*Batteries contain chemical substances, so they should be disposed of properly.*

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Basic connections:
FM antenna, Ethernet and AC power

In order to ensure a good wireless connection avoid placing the set close to microwave ovens and large metal objects.
Never make or change connections with the mains supply switched on!

1 Place the Center and Station close together on the same table for easy handling.
2 Connect the FM antennae.

Station rear view

e
nter rear view
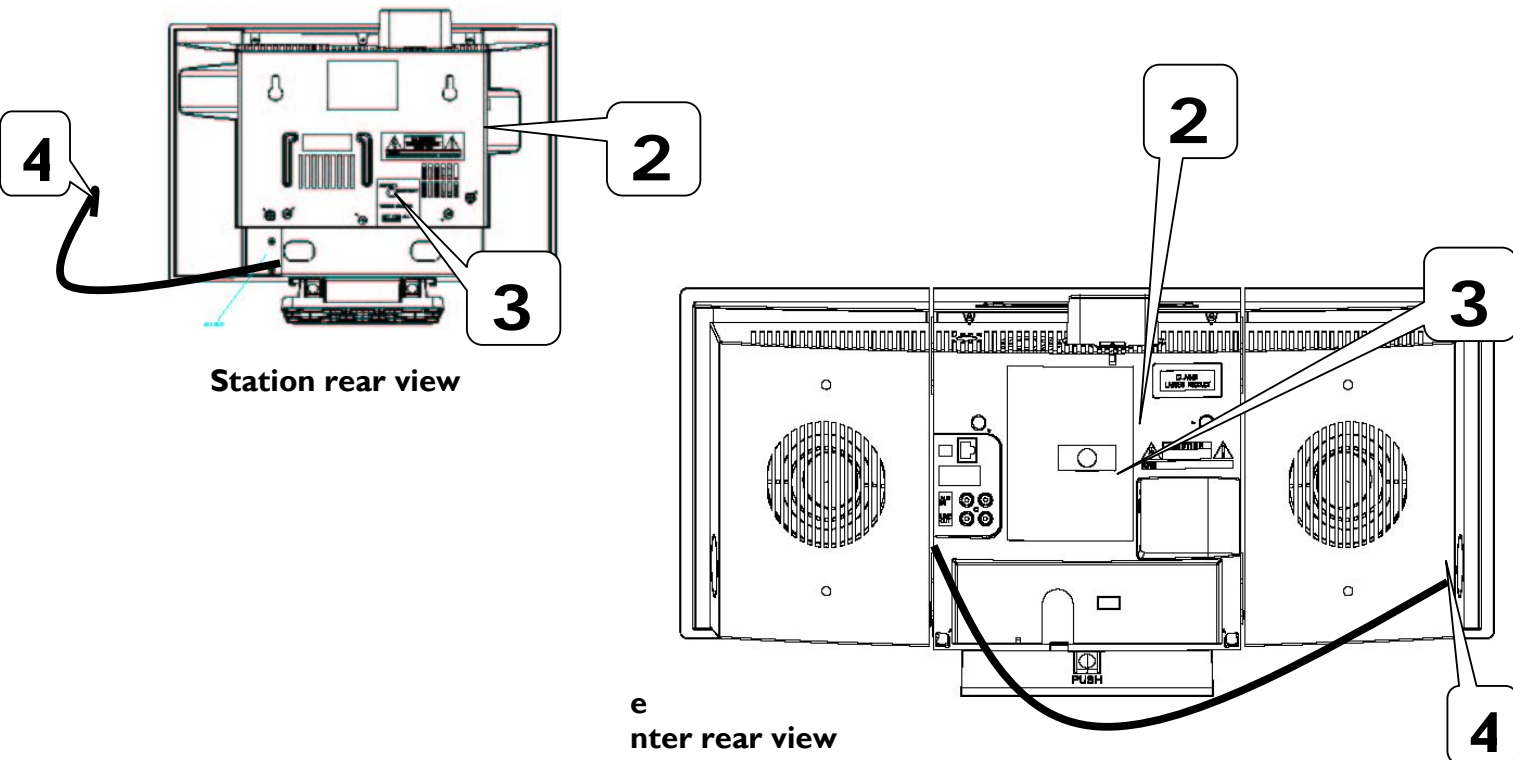
3 *For internet connection (wired option for computer users only.)* Connect the supplied LAN/ Ethernet cables for each device to your PC.
4 Connect the power plugs to your AC power supply.

TIP
  – **When the set is switched to standby, it is still consuming some power.**
    To disconnect the set from the mains completely, remove the mains plug from the wall socket.
  – *To avoid overheating of the set a safety circuit has been built in. Therefore your set may disconnect under extreme conditions. If this happens, switch the set off and let it cool down before reusing it.*

For users in the U.K.: please follow the instructions on page 3.

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WiFi auto installation

Do this simple 4-step installation to enable streaming music between your Center and Station:

— When you power on your system for the very first time

— whenever you add a new Station (see '**Installing multiple Stations**')

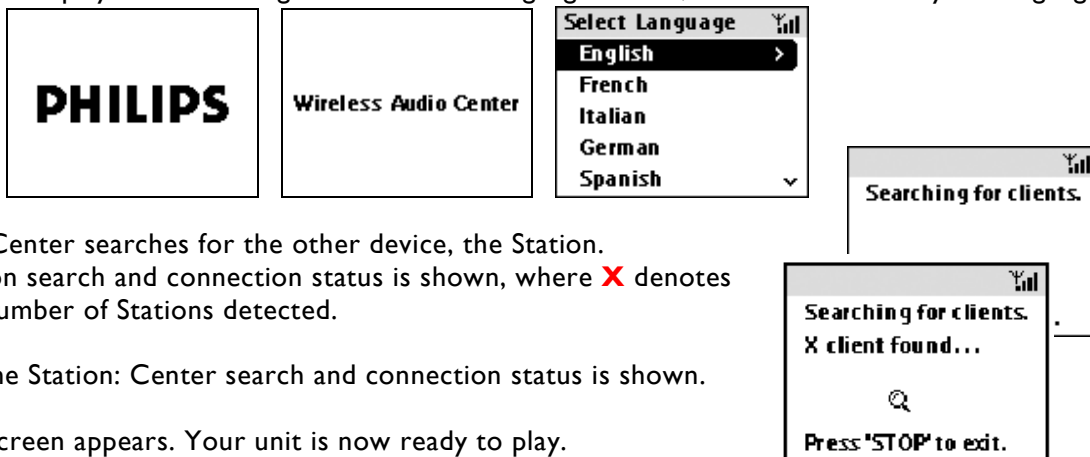— when you use other devices e.g. a PC to act as your Center
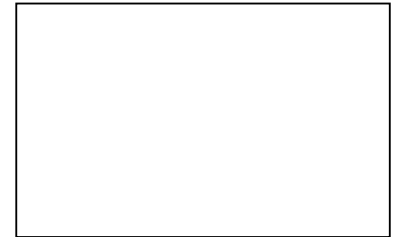
> **TIP**
> – *Make sure you place WACS700 close together on a flat surface for easy handling.*
> – *To activate first-time setup, use the controls located on the Center and Station.*
> – *Do not use the remote controls until after you complete installation.*

1 Install the Center

a After you plugged in the unit, the **STANDBY ON** LED lights up red. Wait several seconds until the display shows the 'Station status' screen.

b Press **STANDBY ON** on the unit.
→ the **STANDBY ON** LED lights up green.
→ Center displays the following screens. In the language screen, select and confirm your language.

		Select Language
PHILIPS	Wireless Audio Center	**English** > French Italian German Spanish

Searching for clients.

Searching for clients.
X client found...

Press 'STOP' to exit.

→ The Center searches for the other device, the Station.
→ Station search and connection status is shown, where **X** denotes the number of Stations detected.

→ On the Station: Center search and connection status is shown.

→ HD screen appears. Your unit is now ready to play.

2 Install the Station

a After you plugged in the unit, the **STANDBY ON** LED lights up red. Wait a few seconds until the display shows the **PHILIPS**' screen.

b Press **STANDBY ON** on the unit.
→ the **STANDBY ON** LED lights up green.
→ Station displays the following screens. In the language screen, select and confirm your language.
→ On the Station: Center search and connection status is shown.
→ HD screen appears. Your unit is now ready to play.

Searching for server, please wait...

Server found ! Setting up the connection. Please wait...

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Installing multiple Stations

Install up to 5 Stations to your Center.

1 Check your Center is in the **HD** source mode.
2 On the Center, press **MENU**.
3 Connect your new Station to the power supply.
a After you plugged in the unit, the **STANDBY ON** LED lights up red. Wait a few seconds until the display shows the **PHILIPS**' screen.
b Press **STANDBY ON** on the unit.
→ the **STANDBY ON** LED lights up green.
4 On the Center, use the navigation control to select **Station Management** →**Add new Station**
5 Press **OK** to confirm.

→ Your Center and Station enters the **Installation mode**. Any streaming, if active, will stop. Display shows messages: **Server adding new stations to network, shall loose connection to Center soon**, followed by **No connection to Center** and then
→ Display shows Station number when found.
→ Display shows Station connection status. ⬛ is displayed for connected Stations. If disconnected: ⬛
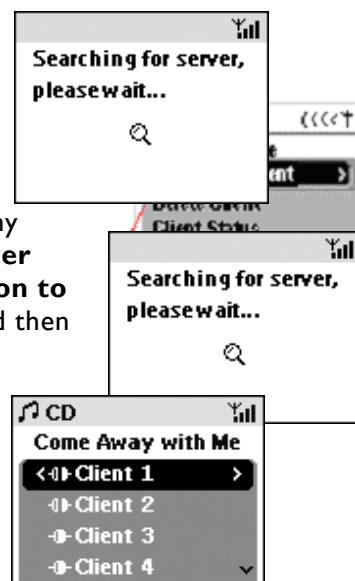
Other Connection status messages

– **DMM found!** Is displayed if you are using WACS700 with a computer installed with Philips Digital Media Manager (DMM).

– **[Please ensure that the Center is in Station installation mode. Switch source to abort the install process]:** This error message appears if the Station is unable to detect the Center in 10 seconds or more.

To **quit auto installation mode/ installation** error mode
• Press the **STOP** button to exit.

Delete Station
Select this menu option if you need to remove a Station e.g. if Station is taken away for repair.
• press **MENU** and select the following submenus to confirm: **Station Management** →**Delete Station** → **Station X** (number and room location) → **Yes/ No?** → **Delete Station**

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Basic Operation

Basic playback controls
Unless otherwise stated, all operations described are based on the use of Center remote control.

Switching on

from active standby

To switch on, you can either:
- On the set, press **STANDBY/ON** or **SOURCE**
- On the Center remote control, press **HARDDISK, CD-MP3-CD** or **TUNER/ AUX Server**
- On the Station remote control, press **Server** or **Tuner/ Aux**
➔ Display shows the **Welcome** screen, then your chosen source screen/ last selected source.
➔ When switching on for the first time, you will see the following screens:

TIP
- Inserting a CD into the Center slot loader wakes the set directly into CD mode
- If you have activated **Music Follows Me** on either the Center/ Station, pressing **Music Follows Me** (on the set/ remote control) will wake up the corresponding Center/ Station into the respective mode.
- If you have activated **MUSIC BROADCAST** on the Center, pressing **MUSIC BROADCAST** on the remote control will wake up the Station into this mode.

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from ECO POWER standby
- *On the set only*, press **SOURCE** respectively to wake-up your Center/ Station to active standby.
- *On the set/ remote control*, press **STANDBY/ON** respectively to wake-up your Center/ Station.
➔ Display shows the **Welcome** screen, then your chosen source screen/ last selected source.

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Switching off

into active standby

On the set, press **STANDBY/ON** or press briefly [⏻] on the remote control.
- ➔ Display shows: **Goodbye** and then **Set in Active Standby** when you switch to standby mode.
- ➔ Display shows: **NEWS OFF** or **SLEEP OFF** and then **Goodbye** if you were using the NEWS or Sleep timer function.

into ECO POWER standby

On the set, press **STANDBY/ON** or press briefly [⏻] on the remote control for 3 seconds or more.
- ➔ Display shows: **Goodbye** and then **OFF**. The power indicator button on the set lights up red.

TIP
- – Tuner preset stations, recording and sound settings (except for MATCH GENRE and if the last volume played exceeds level 10) are memorized and resumed when switching on from standby or ECO POWER mode.

Center remote control displays:
- – When switching off the Center/ Station to standby, the remote display shows the last operating screen for 20 seconds before powering down.
- – **Set not active** appears when Center/ Station is in active standby and you press **REFRESH**.
- – When you switch on the Center/ Station, press **REFRESH** to wake up and synchronize the remote control display with your set.

Select your playback source

You can either:

- press a source button on the respective remote control.
- press **SOURCE** once or more on the Center/ Station until your desired function screen appears on the display.

Server or
Tuner/ Aux

CD/MP3-CD,
HARDDISK or
TUNER/ AUX

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Sound control

Volume

You can adjust the volume level from 0-32.
- Press **VOL -/+**
- ➔ Display shows volume bar briefly.

MUTE

- To switch off the volume temporarily, press **MUTE** on the remote control.
- ➔ If activated, display shows **Mute ON** and the mute icon ⊲⟩
- To restore the volume, press **MUTE** again.

DBB (Dynamic Bass Boost)

- Press **DBB(5 jkl)** once or more to toggle to enhance bass at 3 levels.
- ➔ Display shows DBB and level status 1, 2 or 3.

INCR.SURROUND

The Incredible Surround magnifies the virtual distance between the front speakers for an incredibly wide, stereo effect.
- Press **INCR.SURR (4 ghi)** once or more to toggle on/off.
- ➔ If activated, display shows **IS ON**.
- ➔ If deactivated, display shows **IS OFF**.

> **TIP**
> – Press **MENU** to select and navigate through **EQUALIZER** menu for further predefined sound options, e.g. Rock, Pop, Jazz.
> – See page XX for details on the **MATCH GENRE** sound feature.

Understanding the display icons

What	Main header icon	Sublevel icon
HD/ CD source	♫	-
Radio source	Y	-
Server source	🖳	-
Playlists	▤	▤
Artists	◔	◕
Albums	⊘	⊙
Genres	🎭	🎭
All tracks	⬒	⬒
*Raw (uncompressed) tracks	♪	♪
Repeat once	↻	-
Repeat all	⟲	-
Shuffle and repeat	⇄⟲	-
Shuffle	⇄	-
Music Follows Me	⊡	-
Broadcast activated	⊗	-
Station Broadcast deactivated	🔲	-
Match Genre	⇥🎭	-
Searching	⚲	-
WiFi signal strength	📶	-
Station connected	⊪	-
Station disconnected	⊪	-
Playable folder	🗀	🗀
Data/ non-playable folder	🗁	🗀
RDS news	👓	-
Stereo	((►◄))	-
Mute	⊘	-
Sleep	z^z	-

*These are recordings created on the Center, specifically when you record a large number of tracks/ large audio files. They are then stored under **Raw Tracks** temporarily, before compression is fully processed.

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WACS700 message displays

Interactive pop-ups and full-screen displays will guide you through the status of your system:
- information
- Confirmation
- progress screens
- warning/error messages

Busy animation
This appears for features that require a few extra seconds to perform and indicates your unit is busy.
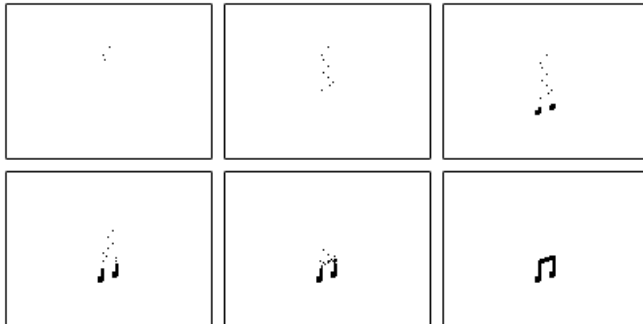
Menu options overview

Navigate and explore. Check out plenty of features inside submenus on the Center and Station:

CENTER submenus according to source

HD	CD	Tuner/ Aux
Equalizer	Equalizer	Auto Store
Create Playlist	Settings	Equalizer
Add to Playlist	Information	Settings
Delete XXX	Restore Previous Firmware	Information
		Restore Previous Firmware
Client Management		
DMM management		
Settings		
Information		
Restore Previous Firmware		

STATION submenus according to source

HD	Tuner/Aux	Upnp Browsing
Equalizer	Auto Store	Equalizer
Create Playlist	Equalizer	Settings
Add to Playlist	Settings	Information
Installation Mode	Information	
Select Center	Select Center	
Settings		
Information		

The number of menu options vary on the Center and Station, as the Center is designed with more functions e.g. **Settings** menu (below). Navigate through each screen to view submenus and options.

Table comparing Settings submenu

	Center	Station
1	Treble/Bass	Treble/Bass
2	Display	Display
3	**Rec speed**	Language
4	**Rec quality**	Restore settings
5	**Language**	
6	Restore settings	
7	Restore previous firmware	

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Navigation control

Navigating tracks, menu options & settings

1 Press **MENU** on the device/ remote control.
   ➔ A menu pop-up appears.
2 Use the **OK** navigation up/ down, left/ right controls (▲,▼◀, ▶) to highlight and select your option/ setting.
3 Press **OK** to confirm/ play.

Example of options when you press **MENU** to select **Settings** submenu.

Center display   *Station display*
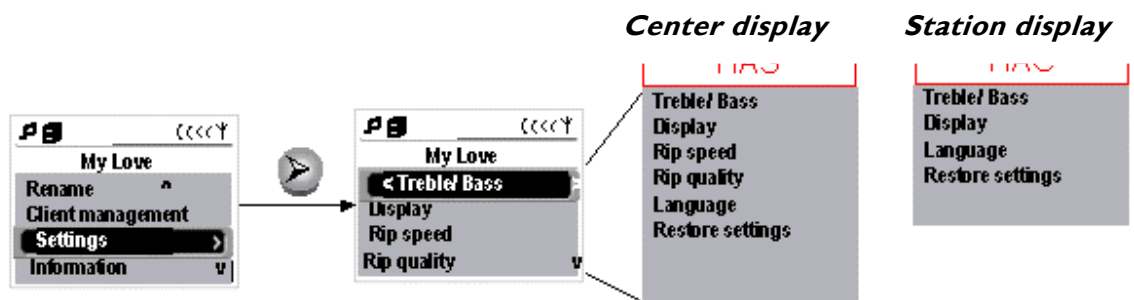
Multi-functional controls: searching...

– To fast scroll up/ down content: Long press ▲,▼ (or ⏩...on the remote control)

– Skip to next/ previous item: short press ▲,▼ (or ⏩...on the remote control)

For speed, use the remote control to key in the number of a desired track.

Display settings

2 options:

– Backlight (on/ off)
– Contrast

• Use the navigation controls to adjust the display settings.

Playing CDs on the Center
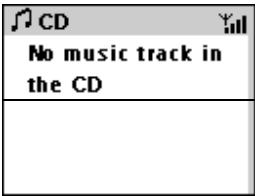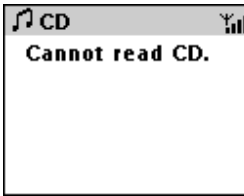
For playback on this set you can use:
– All pre-recorded audio CDs
– All finalised audio CDR and CDRW discs
  – **MP3-CDs (CD-ROMs with MP3 tracks)**
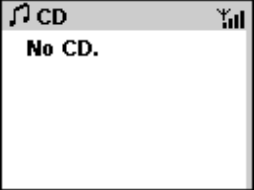
1 Insert a music CD into the CD slot loader on the Center, CD printed side facing as shown.
➜ During playback of other modes, when you load a disc this automatically switches the Center to CD source (exception: recording mode in progress.) Display shows: **Reading CD**

2 To start playback, press **OK** on the Center (or ▶II / ▶on the remote control).
   ➜ Display shows current track title, elapsed playtime, and ID3 information if available. Play mode and sound settings if selected.

3 To pause playback, press **OK** (or ▶II / ▶on the remote control).
4 To stop playback, press **STOP/ ■**.
5 To eject the CD, on the Center press **EJECT**.
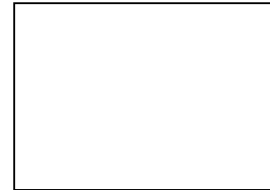
Error display messages

If you have inserted a CDROM [   ], a damaged/ dirty CD

or no CD

Recording CDs on the Center

You can record and listen to your tracks at the same time, or if you are in a hurry, you can select the **Fast** ripping speed instead of **Playspeed**.

---

copyright protection technologies

CDs encoded with **copyright protection technologies** by some record companies may be unplayable. This Center is able to play such CDs on your Center, but recording may be restricted. If this happens, the Center displays:

---
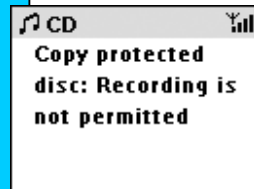
1 Insert a music CD into the CD slot loader on the Center, CD printed side facing as shown.

2 Press **MENU.**

3 To select your compression rate, use the navigation control to select and scroll **Settings → Rip quality**, then choose **128Mbps** or **160Mbps**.

4 To select your recording speed **Playspeed** (x 1) or **fast** (x 4), use the navigation control to select and scroll **Settings → Rip speed**, then choose **Playspeed** or **fast**.

5 Press **RECORD**.
   → Display shows list of CD tracks with checklist boxes by default all selected.

6 To select individual tracks for recording from a CD:
   • press and hold **MARK. UNMARK** to toggle and mark/ unmark all tracks
   • use the navigation up/down control and press briefly **MARK. UNMARK** to select your desired track.

7 Press **RECORD** /**OK** to start recording.
   → Display shows ripping status.
   → If no ID3 tag information is available, your track will be listed as a number and automatically assigned an **Album** number **XXX**.
   → Playback stops at the end of your recording.

8 To listen to your recording, select **HD** source. Navigate through **All tracks** or **Album** to find.
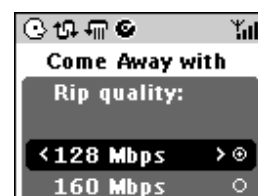
Tip
- If you have recorded a large number of tracks/ large audio files, theses will be stored under a temporary folder **Raw Tracks**. This is where recordings are temporarily before compression is fully processed.
- The current track will not be recorded if you press STOP/■ during recording. STOP/■ exits recording mode.

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Renaming tracks

Using Gracenote CDDB database

– This built-in CDDB database allows your Center to automatically search for any available ID3 tag information, whenever you insert an original audio CDs into the slot loader. The ID3 tag information will then be automatically stored if you choose to rip the loaded CD. CDDB is particularly useful for ripping CD audio and having your tracks named automatically rather than manually.

1   Insert a music CD into the CD slot loader.
2   Wait for CDDB to read your disc.
•   **Powered by Gracenote** appears briefly. The album title is displayed if there is a match. Use the navigation controls to view other ID3 tag information.
•   If CDDB finds multiple matches, or if **No Gracenote information** appears -by default the first match e.g. **Unknown** is then displayed. Use the navigation controls to browse and select the desired information.
3   To start playback, press **OK** on the Center (or ▶II / ▶on the remote control.)
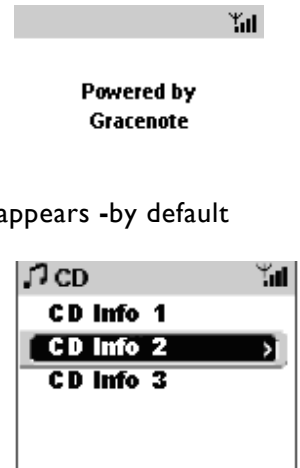
Gracenote CDDB updates via the internet

If you are have access to the internet and are either WiFi-enabled / or connected via Ethernet:

– your Center will attempt to access the latest CDDB information via your internet connection, **i**f there is no information on the CD in your built-in CDDB database.
– There is a 60 sec time-out for Gracenote searches via the internet.
– Gracenote searching is repeated each time you insert a CD, if none of the tracks from the CD are currently in the Center's database.
– The Album selection list displayed may vary from time to time according to CDDB Server updates available via internet.
– If you wish to modify ID3 tags, please use the Philips **DMM** software for your computer (see the **Getting Connected** manual).

How to bulk update your built-in CDDB

You can either:
-   Insert the supplied installer CD into the CD slot loader on your Center.
-   From time to time, visit **www.philips.com/support** to download the latest CDDB Update. Follow onscreen instructions on your computer to complete CDDB Update.

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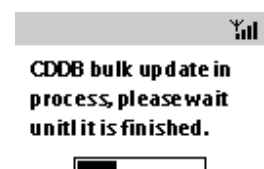
HD (hard disk) music playback

1 Select **HD** function (press **HARDDISK** /**JUKEBOX** on the respective remote control OR press **SOURCE** once or more on WACS700.)

2 Use the navigation ▶control to select and access your desired music library option: **Playlists, Artists, Albums, Genres, All tracks**.
➔ Content of each option is stored in alphabetical order.
➔ Display shows **Empty container** if you library option contains no entries. The busy animation appears if you attempt to play the **Empty container**

3 To start playback, press **OK** (or ▶II/ ▶ on the remote control).

➔ Display shows following details if available: current track title, file type, bit rate, elapsed playtime, ID3 information, equalizer sound setting, and next track title.
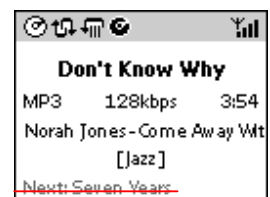
Information on non-playable tracks

When playing a library option, the system may not be able to play all the tracks in it due to different reasons. In such an event, when playback stops you will see an information summary detailing tracks played which includes:

1. Tracks successfully played
2. Tracks failed due to DRM issues (protection)
3. Non playable tracks encountered
4. General failure (unknown reason)

Match Genre:
Smart sound combinations to match music genre

From Acid to World music, now at one touch you can listen to each HD or MP3-CD track in smart sound according to genre. **MATCH GENRE** automatically adjusts the **Equalizer** (Pop, Jazz, Neutral, Classical, Techno) and **DBB** sound combination to match each track you listen to.

- *In **HD** source or MP3-CD playback,* press **MATCH GENRE** to activate.
- ➔ 🔁 replaces your previous Equalizer setting (if active).

LIKE GENRE, LIKE ARTIST

You can select to play all your tracks according to a single specified music genre (**LIKE GENRE**) or artist (**LIKE ARTIST**).

1 *In **HD** source or MP3-CD playback,* press **LIKE GENRE** or **LIKE ARTIST** to activate.
➔ Display shows **Like Artist** or **Like Genre** message.
➔ Playback starts to play all tracks according to a genre / artist respectively from the current track selected.
➔ Playback stops when the last song is played from your selected genre/ artist (unless you have selected repeat playback mode).
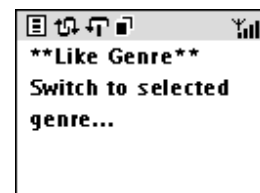
TIP
– To enable **MATCH GENRE/ LIKE GENRE/ LIKE ARTIST**, make sure you use Philips DMM to input the relevant ID3 track information.
– This sound feature is cancelled when you:
  - switch off your unit
  - adjust the Equalizer/ INCR. SURR/ DBB sound options

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Music Follows Me (HD source)

This feature allows your MP3/ WMA tracks ★ stored on the HD source to follow you from one place and device to another:

- – Center to the Station
- – Station to the Center
- – Station to another Station.

IMPORTANT!
- ★ Not for playback of uncompressed ♫ CD music.
- ★ **Music Follows Me** can only be activated in either normal standby (but not ECO standby,) or the HD source playback/ pause mode.
-- An error message prompts you if you attempt to activate the function in any other mode.

1 *On the first unit* (Center/ Station): in normal standby or HD playback/ pause mode,

select a MP3/ WMA track for playback.

2 Press **Music Follows Me** / **MUSIC FOLLOWS ME** to activate.
➔ 🔄 appears on your display.

3 *On the second unit* where you want the music to continue, press **Music Follows Me** / **MUSIC FOLLOWS ME** to start playback.

➔ the audio file stops playing on the first unit. Playback starts from the beginning of the track on the other unit. The display on your first unit shows the HDD screen in the stop mode. If you make no further adjustments on the second unit, its display will then enter into normal standby.

➔ ~~If you wish to resume playback from the exact point as played on the source device, first press pause ►II / ► (on the remote control) or~~ **OK** ~~(on the source device) before you activate~~ **Music Follows Me.** *TBC*

TIP
Complete steps 1-3 above within 5 minutes, otherwise **Music Follows Me** mode is deactivated.

To stop Music Follows Me

You can either:
- ● Press **Music Follows Me** / **MUSIC FOLLOWS ME** again or another function key.
- ➔ 🔄 disappears. The device switches to a different function / resumes its previous status.
- ● Press **STOP/ ■** during **Music Follows Me**.
- ➔ 🔄 disappears. The device shows the HDD screen in the stop position.

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BROADCAST <mark>(Center feature)</mark>

In HD source, the Broadcast function allows you to play and share the same audio track★ on the **Center** with one or more **Stations**. Everyone at home then gets to listen in what's playing on the Center and enjoy and share the same track simultaneously.

> **IMPORTANT!**
> ★ Not for playback of uncompressed 🎵 CD music.
> ★ **Music Follows Me** can only be activated in either normal standby (but not ECO standby,) or the HD source playback/ pause mode.
> -- An error message prompts you if you attempt to activate the function in any other mode.

To start broadcast

1 Check that both Center and Station(s) are in normal standby or the HD source mode.

2 On the Center, press **BROADCAST** to activate.

➔ The broadcast icon 🔘 appears on both the Center and Station. The current mode e.g. standby on your Station will be interrupted.

➔ The Station will show a 5-second countdown message.

3 When countdown ends, broadcast begins.

➔ Playback on your Station is now the same as that playing and displayed on your Center.

> **TIP**
> - If your Station sound is on mute, mute is automatically deactivated upon broadcast.
> - If your Station is in active standby mode, it will wake up directly into broadcast mode.

For users with multiple Stations

If you wish a Station to join an ongoing broadcast, you will need to restart broadcasting (see steps 1-3 above).

1 Press right navigation control to select your desired Station.

2 If necessary, select to wake up the Station from standby.

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To stop broadcast

1 Press **STOP/ ∎** on the Station, within the 5-second countdown or during broadcast.
➔ The Station resumes its previous status.
➔ Rejected broadcast icon ▣ appears.

2 To cancel ▣ completely, on the Center press **STOP/ ∎**.
➔ Both the Center and Station will show the default HDD screen for 5 minutes.
➔ If no other buttons are pressed, the system automatically enters standby mode at the end of the 5 minutes.

How to create Playlists

You can create a maximum of 99 playlists, each containing up to 300 tracks on both the Center and Station. Select your desired track/ album/ genre or artist to add

1   Select the **HD** source.

2   During playback of a track in **Artist/ Album / Genres/ All tracks**, press **MENU**.

  • If you are in the **All tracks** stop position, navigate and select a track first.

3   Use the navigation control to select **Create Playlist**.

  ➜   Display shows: **Playlist created. To add tracks select 'Add to Playlist'.**

4   Navigate and select your playlist in the menu.

5   Press **OK** to add your selected track.

  ➜   Each new track is added to the end of your playlist.

  ➜   Display shows **Playlist is full** if you exceed the maximum number of tracks.
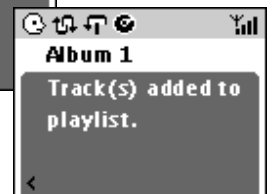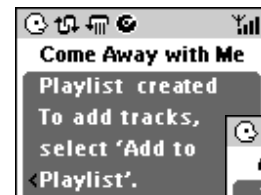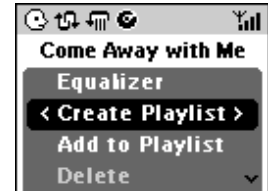
> **TIP**
> – If you have created multiple playlists, use the navigation control to select your playlist first.
> – On the Center, adding tracks to a playlist is not possible in CD source.

Deleting Playlists   *(available on the Center only)*

You can edit, modify and delete playlists freely on the Center.

1   In the default **HD** source screen (Playlist highlighted), press **MENU**.

2   Use the navigation control to select **Delete Playlist**.

  ➜   Display shows **Playlist deleted at Center**.

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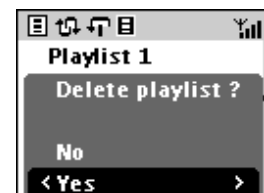
Different play modes: Shuffle ⟲ & Repeat ⟱

- During playback in HD / CD source, on the remote control press the **Shuffle/ Repeat** once or more to select a play mode. You can also combine **Shuffle** and **Repeat**.
- ➔ The ⟲ ⟱ icons appear when you select a shuffle/ repeat mode option.

Repeat options:
- – a single current track
- – all tracks of a current playlist/ album/ artist/ genre

Shuffle options:
- – play in random order all tracks
- – play in random order all tracks of a selected playlist/ artist / album/ genre

To cancel play mode options, either:
- press **Shuffle/ Repeat** once or more until the icons disappear
- press **STOP/ ■**.

Listening to FM Tuner

- Select **TUNER** function.
  - ➔ Radio plays from the last station listened to.
  - ➔ Display during radio playback shows: station frequency, manual tuning prompts ⋏, ⋎, and if available: the preset number, stereo ((►◀))/sound status, and RDS text information.

How to tune to stations

You can tune up to 40 FM stations in 2 ways, automatically or manually.

Autostore
allows you to fast tune and store 10** stations automatically.
- To tune to stations, press **MENU** and use the left/ right navigation controls (◀/ ▶) to browse the radio menu options.
- Select the **Autostore** option to automatically store up to 10 stations in order of increasing radio frequency.
- ➔ Display shows: auto-stored stations as a list of preset numbers of each station frequency or RDS station name if available.
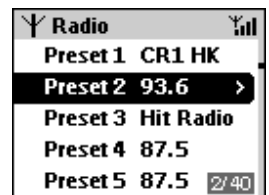
**Remaining presets stations are default filled by the frequency 87.5. See next chapters to manually tune further presets.

Manual tuning

You can either:
- press the up/ down navigation controls (▲/▼) briefly and repeatedly until your desired frequency appears.
- press and hold ▲/▼ until the display shows **Searching**. Search tuning stops automatically when a station of sufficient strength is detected.

Programming presets manually

Program up to 40 stations.

1 In tuner mode, press the left navigation key ◀ to return to the preset list screen, if necessary.
2 Use the up/ down navigation ▲/▼ control to select a preset frequency you want to overwrite.
3 Tune to your desired station as described in **Manual tuning**.
4 Press and hold **OK** on the unit for 2 seconds, or **PROGRAM** on the remote control to store your preset.
➜   If the frequency is not already stored, **Preset X** appears, where **X** is a number (**1-40**) of your preset location.
5 Repeat steps **1-4** above to store your other desired stations.
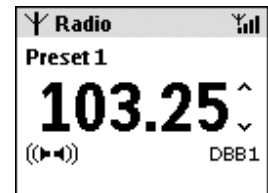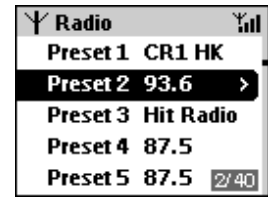
Listening to preset stations

1 If necessary, press the left navigation key ◀ to return to the preset list screen.
2 Use the up/ down navigation ▲/▼ control to select a preset frequency you want to listen to.
3 Press ▶/**OK** to play the station.

RDS *(some /00c versions only)*

RDS (Radio Data System) is a service that allows FM stations to send additional information along with the regular FM radio signal. When you are receiving an RDS station, RDS and the station name are displayed.

Switching through RDS information

1 Tune to the desired RDS radio station (see "Listening to FM tuner").

2 Press **RDS/ NEWS** on the remote control repeatedly to switch through the following information (if available):

– Station name
– Programme type (for example: News, Affairs, Sport, etc.)
– Radio text messages
– Frequency

➔ RDS info appears in the bottom right hand corner of the display.

NEWS *(some versions only)*

It is possible to set up the tuner in such a way that any playback is interrupted by the news of an RDS station. However, this only works if the RDS radio station broadcasts the necessary signal while sending the news.

The NEWS function can be activated from any mode except during streaming (MUSIC FOLLOWS ME, BROADCAST) and tuner mode.

Activating the NEWS function

• On the remote control, press **RDS/ NEWS** once or more to toggle between switching the **NEWS** function on / off.

➔ NEWS is shown and NEWS is displayed briefly.

➔ The current active mode remains uninterrupted while the set will scan the first 5 preset radio stations and waits for the signal in any of the RDS stations.

➔ When a news transmission is detected, the set will switch to tuner and NEWS starts flashing.

> **TIP**
> *Make sure the first 5 preset radio stations have RDS stations. If no RDS station is detected in the first 5 presets, the set will exit from the NEWS function,* NEWS goes off and **NO RDS NEWS** *is displayed.*
> *The NEWS function works only once for each activation.*

Deactivating the NEWS function

• Press **RDS/ NEWS** again on the remote control or switch the set to tuner.
➔ **NEWS ON** / **NEWS OFF** appears respectively.

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Changing tuner grid *(/21 IFU versions only)*

- On your remote control, press and hold **TUNER** and ▶▶ for X seconds.
- ➔ **GRID 9** / **GRID 10** appears respectively.

source

GRID9

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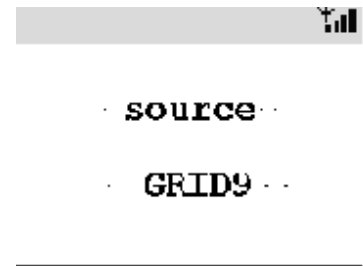
Recording in TUNER/AUX modes

Record up to a maximum of 3 hours for each Aux/Radio recording.
Depending on your recording file size(s), this is sometimes stored in temporary folder called **Raw tracks** for background encoding.

Basic recording controls

1   Select the source you want. (see the respective chapter, **Recording from Tuner** or **Recording from AUX**)
2   Press **RECORD** at the point where wish to start recording.
3   To pause recording, press **OK** (or ▶II / ▶on the remote control). Press again to resume recording.
4   To stop recording, press **STOP/ ■**.
    ➔ Display: **Rec**…disappears.
    ➔ If you exceed the limit, the display shows: **Max 3 hour recording reached.   Abort recording** and recording will automatically end.
    ➔ **Hard disc full** is displayed if there is insufficient space on your harddisk.

Tip
When recording is in progress, you can only operate:
STOP/ ■
the sound controls: **DBB, IS, VOL +/-** and **MUTE**.
    ➔ Display shows **Function is not available** if you press any other controls.

How to find your recording
When recording is finished, your recording is assigned a recording number (XXX) according to your source: **RADIO_XXX** or **AUX_XXX** with default album, artist & genre information if available for AUX sources.

-   To listen to your recording, select **HD** source. Navigate through **All tracks** to find.
-   If you have recorded a large number of tracks/ large audio files, theses will be stored under **Raw Tracks**. This is where recordings are temporarily before compression is fully processed.

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Recording from Tuner

1   Select Tuner source.

2   Select your desired station.

3   Press **REC** /**OK** to start recording.

➔ Display shows **Recording...**

Recording from AUX

1   Select **AUX** source, when you have connected another external device with a cable (not supplied) to **AUX IN** on the Center.

2   Play the external device.

3   On the Center, press **REC** /**OK** to start recording.

➔ Display shows **Recording...**

Tip
Always refer to the owner's manual of the other equipment for complete connection and use details.

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Backup files

Center backup is in process. No streaming is possible. Please wait...

Backup in process... Please wait unitl it is finished.
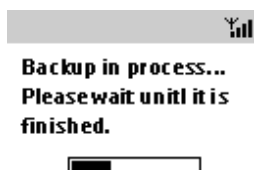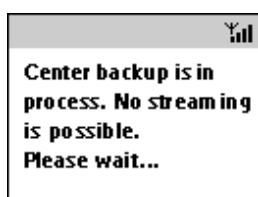
Upnp Playback

As an alternative to music stored on your Center, you may wish to stream music direct from your PC music folder to your Station.

6 Select your external server.

7 Use the navigation control to browse for the folder you wish to access for playback.

8 To start playback, press **OK** on the Station (or ▶II / ▶ on the remote control).

Radio
Preset 2 93.6
Menu 1
Menu 2
Menu 3
Select Server ›

HD
Server 1
Server 2 ›
Server 3
Server 4
Server 5 2/6

Server
Folder 1
Folder 2 ›
Folder 3
Folder 4
Folder 5 2/34

Server
Sub·Folder 1
‹ Sub·Folder 2 ›
Sub·Folder 3
Song 1
Song 2 2/34

UPnP
Don't Know Why
▶ 1:35
Norah Jones-Come Away Wit
Pop   DBB1
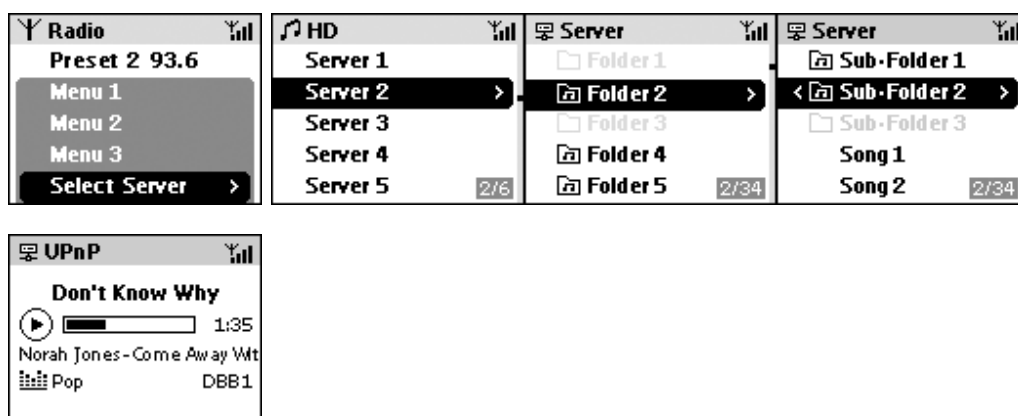
SLEEP: How to use the built-in timer

This function allows you to automatically switch the Center/ Station from an active mode to standby after a preset period of time (in minutes).

1. In any active mode, press **SLEEP** once or more, on the remote control, to select your preset time period: **15** (default) → **30** → **45** → **60** → **90** → **120** → **OFF** → **15**…
   - ➔ If SLEEP is activated, **Z**ᶻ also appears.
   - ➔ Display shows a countdown of 10 seconds, just before switching to standby: **SLEEP 10** → **SLEEP 9** → **SLEEP 8**→…then **SLEEP** and **Good-bye**.
   - ➔ If recording is in progress during the end of a sleep period, any partially ripped tracks will be deleted.

2. To cancel SLEEP, you can either:

- Press **SLEEP** until you **OFF** appears.

- Press **STANDBY/ON** (or on the remote control.)

Restore: default settings

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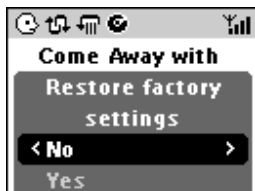
Demonstration mode

1 In standby mode, activate the demo feature by pressing the **STOP /■** key for 5 seconds.

→ You will see a sequence of screens introducing you the some of the Station and Center features. Below are some sample screens:
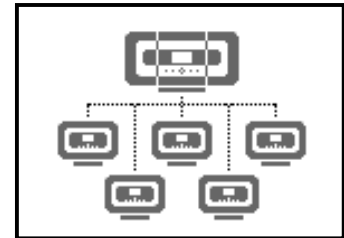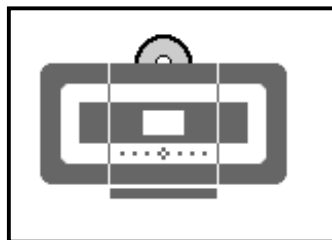
2 To exit the demo mode, press the **STOP/■** key during DEMO for 5 seconds.

How to mount your Center and Station

SAFETY TIPS

– Choose your spot for mounting carefully, e.g. away from obstruction or sources of danger such as water, fire hazards, extreme heat, or unstable surfaces.
– Philips cannot be held responsible for any personal injuries, accidents and breakages resulting from the system during and after mounting!

Tools: What else you'll need (not supplied):
- sellotape
- 8 x screws for the Center, bracket, * screws for Station bracket
- electric drill

Preparation before you start drilling

– Check the material (e.g. drywood, concrete) of your wall to decide the best type of screw to use.
– For best performance, install the unit as far as possible from sources of noise and interference (e.g. TVs, fluorescent lamps, microwaves).
– Connect the power cord, FM antennas, and if necessary the supplied Ethernet cable, when you test for accessibility of your best mounting location. Decide whether you want to connect the unit with other audio equipment.

1 Find a suitable, clean, flat wall surface to mount near a wall outlet/ power socket.

2 Align the bracket at your chosen location. Use a pencil to mark the screw holes.

3 Drill holes as marked by you.

4 To fix and secure the bracket, insert a suitable wall screw (not supplied) into each hole.

5 Screw by hand, the 2 supplied mounting screws on the Station rear, and 3 screws supplied for the Center.

6 Detach the stand from each unit.

7 Carefully hook and mount each unit into place.

2-4

Illust. showing how to align bracket to wall for drilling & screwing.

Wall

7
Mount & hook unit

4
Insert bracket + mounting screw

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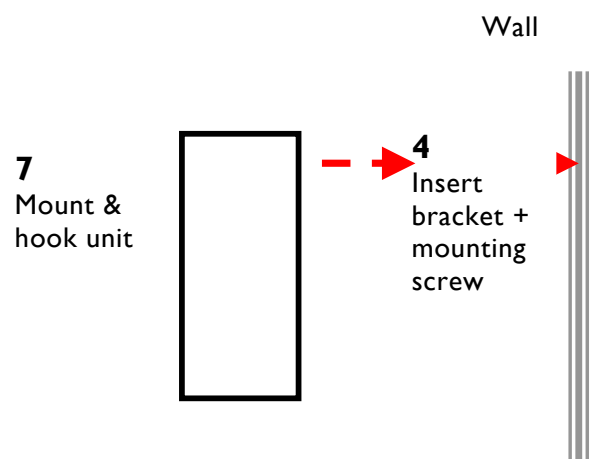
For computer users:
Philips Digital Media Manager (DMM) and installer setup

- ## Streaming music from your computer
- ## Installing and using the DMM music software

Play, stream and manage music stored on your computer by using the DMM software on the installer CD.

1 Switch on your computer and insert the installer CD into your CD ROM drive.

2 Make sure you close any other programs running on your computer.

3 Choose the scenario that best fits your situation for software installation.

4 **Option A**:

- If you do not have a wireless computer network: make sure you have connected your Center to your computer with the supplied Ethernet cable…

Option B:
- If you already have a wireless computer network: check the settings of your existing wireless computer network…

5 Select your language.
6 Select your internet configuration for the **CDDB** feature.
7 Select your music folder.
8 Follow the screen instructions to complete installation.
9 Restart your computer if prompted.
10 The **Digital Media Manager** icon **X** appears on your Desktop when the DMM is successfully installed.
11 Double-click on **X** to launch DMM.
12 For tutorial help on using DMM features, from the toolbar click **Help → Digital Media Manager Help**
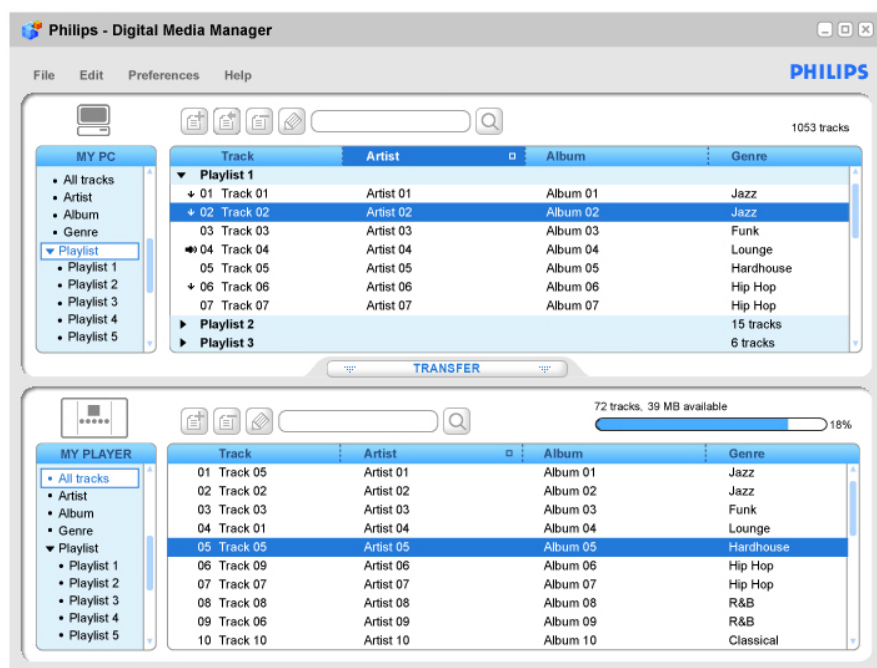
IMPORTANT!
RETAIN YOUR ORIGINAL FILES
Please ensure that you retain the original files transferred to your WACS700. Philips is not responsible for any loss of content if the product becomes damaged or the hard disk not readable.

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Environmental information
- All redundant packing material has been omitted. We have done our utmost to make the packaging easily separable into three mono materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet).
- Your set consists of materials which can be recycled if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packing materials, exhausted batteries and old equipment.

Care and safety information
● **Avoid high temperatures, moisture, water and dust**
– Do not expose the player, batteries or discs to humidity, rain, sand or excessive heat (caused by heating equipment or direct sunlight.)
● **Avoid condensation problem**
– The lens may cloud over when the player is suddenly moved from cold to warm surroundings, taking it impossible to play a disc. Leave the player in the warm environment until the moisture evaporates.
● **Do not block the vents**
– Do not operate the DVD Player in an enclosed cabinet, allow about 10 cm (4 inches) of free space all around the player for adequate ventilation.

● **Care of the cabinet**
– Use a soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia or abrasives.
● **Finding a suitable location**
– Place the player on a flat, hard, and stable surface.

Disc handling
- To take a disc out of its box easily, press the centre spindle while lifting it. After use, always take the disc out of the set and store it in the disc case.
- Never attach a sticker to a disc. If you want to provide a disc with an inscription use a soft felt-tipped pen and write only on the printed side.
- To clean a disc, wipe it in a straight line from the centre towards the edge using a soft, lint-free cloth.
- Any cleaning agents may damage the disc!

Setup
- Place the set on a flat, hard and stable surface.
- Do not position the set on top of other equipment that might heat it up (e.g. receiver or amplifier).
- Place the apparatus in a location with adequate ventilation to prevent internal heat build up.
- Allow at least 10 cm (4 inches) clearance from the rear and the top of the unit and 5 cm (2 inches) from each side. The apparatus shall not be exposed to dripping or splashing.
- Do not place any sources of danger on the apparatus (e.g. liquid filled objects, lighted candles).
- Do not block any ventilation openings.

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Technical data

Subject to modification without notice.

General	wAC700	wAS700
AC Power	230V / 50–60Hz	230V / 50–60Hz

Power consumption

	wAC700	wAS700
Active	44 W	44 W
Standby	< 10 W	< 10 W
Eco Power Standby	< 1 W	< 1 W
Dimensions, (w) (h) (d)	606 x 305 x 180mm	360 x 278 x130 mm
Weight	7.8 kg	4.2 kg

Amplifier

	wAC700	wAS700
Output power	2 x 40W RMS	2 x 10W RMS

2 x 75 W RMS (6 Ω, 1kHz, 10% THD)
Frequency response _ 50–20000 Hz, - 3dB
S/N ratio _____ ≥ 75 dBA (IEC)
Input sensitivity
AUX/CDR IN _____ 500 mV/1V

Output
Impedance speakers _____ ≥ 6 Ω
Impedance headphones 32 Ω – 1000 Ω

Wireless
Wireless standard _____ 802.11g

Frequency range _____ 50–20000 Hz, - 3dB
S/N ratio _____ ≥ 75 dBA (IEC)
Total harmonic distortion _____ 0.3% (1 kHz)

Tuner
Wave range
FM _____ 87.5–108 MHz
Number of presets _____ X
FM Antenna/cable _____ 75 Ω

System Sound panels

	wAC700	wAS700
Impedance	6 Ω	6 Ω

Woofer _____ 1 x 6.5"
Tweeter _____ 1 x 2"

CD player (wAC700 only)

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Number of programmable tracks _____ xx
Frequency range _____ 50–20000 Hz, - 3dB
S/N ratio _____ ≥ 75 dBA (IEC)
Channel separation _____ ≥ 60 dB (1 kHz)
MPEG 1 Layer 3 (MP3-CD) __ MPEG AUDIO
MP3-CD bit rate _____ 32-256 kbps, 128 kbps advised
Sampling frequencies ____ 32, 44.1, 48 kHz

Storage capacity (WAC700 only)_____40GB*
* Actual formatted capacity will be less

Troubleshooting

For more on-line troubleshooting visit:
www.philips.com/support
Or contact our Contact Center

**Please read the supplied instruction manual for detailed information:
You can also download the manual as a pdf file from www.philips.com...**

FAQs

What is Wi-Fi Streaming?
 Wi-Fi, or IEEE802.11, is the international leading industry standard for wireless broadband networking. It is a technology for digital data transfer with wider range and bandwidth. Streaming is process describing data is pulling between places, can be multiple places. The Wi-Fi logo guarantees maximum interoperability among devices carrying this symbol. The Philips Streamium connects quickly and easily to any other Wi-Fi certified networking equipment.

How do I add an additional station to my original Wireless Music Center & Station bundle?
To add a new station to your bundle, select the "Add New Client" option from the setup menu of the Center. Power up the new Station: you will be prompted on the Center to confirm adding this new Station after it has been detected by your Center.

XX and CHECK CONNECTION indication
– Make sure your PC is switched on.
– Check the wireless connection between your PC and the set (see "Quick installation of the wireless connection to a PC server").

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– Make sure the wireless USB adapter is connected or another network connection works properly.

Can I use other music archiving software than DMM?
Yes. Providing your music software uses an Universal Plug and Play (UPnPTM) server interface.

I want to use my Center in a wireless network which is already installed. What can I do?
…it is possible to use the **my Center** together with most other WiFi certified wireless adapters as well as in infrastructure mode networks using Access Point. Use the **Custom Installation** menu from the CD-ROM setup and choose **Network Setup**. In this advanced setup mode you can add to your audio system the network configuration of your home network.

My Station is unable to play music streamed from the Center. Display message shows: " No server found. Server may be too far away or is not looking for clients. Continue/Retry"
-Check distance between the two sets. Check if any interference caused by other metal materials / electrical appliances, active mobile phones.
- Check connections and installation. Possible WiFi link problem, or the server is not in client installation mode.

What is the maximum distance between the Center and Station in order to allow effective wireless streaming?
The Standard Wi-Fi specification is 100m. However, due to the material construction and design of homes, multiple layers of wall, doors, furnishings, etc. create added barriers. As a result, the maximum distance for streaming without distortion is approximately 60m.

Can I download music from the internet and store them on the Music Center?
Yes, if your PC is internet-connected, you can basically download MP3 music from selected websites onto your PC. Transfer these tracks to the Music Center via the supplied Ethernet cable, using Philips Digital Media Manager (DMM). Alternatively, you can burn a CD-Rom and then record the music onto the Music Center.

Content Capture
Can the Wireless Music Center playback "MP3/WMA CD" as well as "Copy Protected CD"?
Yes

What kind of information can I backup?
All compressed music files and ID3 tag information for each title) stored in hard disk of the Wireless Music Center.

Can I use music archiving software other than Philips Media Manager?
You can use another music archiving system other than PMM under condition that it provides an Universal Plug and Play (UPnP) server interface. However, it is advised that you should stick to the provided PMM software for all you backup and restore functions.

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Glossary

CDDB
Gracenote CDDB Music Recognition Service is a music CD database with access to ID3 tag information.

Network Connections

With WACS700 you can choose to make a wired or wireless (WiFi) connection to your Center or a computer.
Both your Center or a computer act as a server device which can share data with your Station or other devices.
Instead of using LAN cables for connection, WiFi uses specific radio signals to transmit data.

Ad-Hoc Network
A direct network connection between two devices (two computers, or a PC and WACS700).

Access Point (Infrastructure network)
A network connection between two or more devices (computers, or PCs and WACS700) with a central network host (router, base station or PC).

DCHP
This service automatically assigns **IP** (Internet Protocol) addresses to devices active in a LAN (Local Area Network) from the Center (your server device).

DNS (Domain Name System)

Firewall
A firewall acts as a barrier that helps protect your network from intruders from the Internet. The firewall specifies what information can be communicated from the computers on your network to the Internet, and from the Internet to the computers on your network.

IP address
A 12-digit ID used by devices connected to a network

Proxy address
The address of an intermediate computer, provided to you by your Internet Service Provider. Sometimes needed for accessing the Internet.

SSID
The wireless network name (this is not the same as your computer network name).

Streaming
Playing media content from the Internet while it is downloading is called 'streaming'.

Subnet mask
This is a number ID used to identify a group of devices within a network

TCP/ IP

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Transmission Control Protocol/ Internet Protocol – a data coding system

WEP
Wired Equivalent Privacy – a password or 'key' used for wireless networks, WEP is an encryption key for security. When prompted, you will need to enter your WEP to enable 2 or devices to share data.

Meet Philips at the Internet
http://www.philips.com

Need more help or information on installation? Visit:

www.philips.com/support

CLASS 1
LASER PRODUCT

wACS700

Printed in China   LC wk513

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