

Spectralink Versity 95/96 Series Smartphone

Release Notes

Spectralink Versity Software

Release 2.2.2.1144

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Introduction to Versity by Spectralink

The Spectralink Versity smartphone is an entirely new product from Spectralink Corporation, the leader in enterprise mobility solutions.

Versity software is based on the Android operating system. As an Android device, it is designed to use the Android applications model that allows us to apply Android's revolutionary modular approach to solution development for workplace requirements.

Versity is designed to function in today's interconnected workspace. It leverages the versatility of a customer-provided EMM (Enterprise Mobile Management) system for workplace management of Versity within the greater infrastructure.

The Spectralink Application Management (SAM) provides unparalleled precision in configuring and managing Spectralink applications. Versity, SAM and an EMM working together provide a complete solution for the challenges of mobile management.

Periodic software releases support Versity within this greater infrastructure. Release notes provide a summary of the issues covered in each release. Notes for past releases are maintained for a complete record of this advancing technology.

Supporting documents cover the finer points of installation and application. Versity documents are listed in the Appendix.

Instructions for using standard Android features are readily available online. Specialized Spectralink applications follow Android usage guidelines. A list of references is provided at the end of this document.

Smartphone Features

The software releases announced in this document support specialized hardware features of the Versity smartphone including:

- 802.11ac Wi-Fi connectivity
- LTE and SIM card support (96xx models)
- Programmable buttons
- Removable battery
- Barcode scanner (9x53 models)
- Location awareness
- Roaming with seamless handoff
- Noise cancelling
- Security enhancements

Spectralink Apps Summary

Spectralink apps are the "brains" of Versity. Versity functions as a ruggedized smartphone using Android technology that does not require Spectralink apps to operate. The apps developed by Spectralink offer features utilized in many workplaces. Listed below are the apps provided with Versity as it is shipped from the manufacturer.

AMiE Agent

The AMiE Analytics system enables administrators to keep track of real time device metrics on a management console.

Batt Life

The Batt Life application displays the current condition of the battery and allows the user to adjust charge alerts.

Biz Phone

The Biz Phone app is Spectralink's SIP telephony application for Versity devices.

Buttons

The Buttons app is Spectralink's application to allow users to program the buttons on Versity devices

Device

The Device Settings app is Spectralink's application that provides additional controls for the system administrator for Versity devices

Diagnostics

Allows an administrator to quickly and efficiently perform diagnostic tests prior to considering RMA.

Logging

The Logging app is Spectralink's application for the management of diagnostic information by the system administrator for Versity devices.

PTT

The Push-to-talk (PTT) app is Spectralink's radio multicast app for Versity devices.

SAFE

The SAFE app is Spectralink's application for emergencies. It can be deployed in lone worker environments or where facilities require extra security.

SAM Client

The SAM (Spectralink Application Management) Client app is Spectralink's application that enables Versity devices to connect with the SAM server for Spectralink application configuration and other phone management services not available through an EMM.

Sound Stage

Sound Stage enables administrators and users to control the various system and application volume levels in the form of profiles.

SSO

Single sign-on is an authentication system that allows one Versity smartphone to be shared by multiple users, each with their own login.

Sys Updater

The Sys Updater app is Spectralink's application to check for software updates for Versity devices.

VQC

Voice Quality Optimization (VQO) app is Spectralink's application for optimizing audio and video calls from Spectralink dialers or other third-party dialers. (con't)

Web API

The Web API app is used by developers to interface with external services and provide links to frequently used websites.

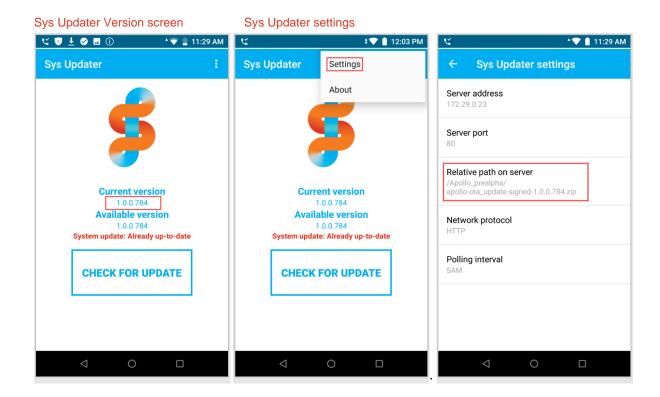
Finding the Current Spectralink Software Release Version

Platform version

Versity offers several ways to determine what Spectralink software release is being used by the platform.

Open the Sys Updater app. The Current version and the Available version are displayed. The Current version is what the phone is running. The Available version is the version that is available from the HTTP server that is hosting the platform software.

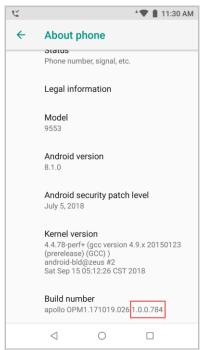
Tap the app menu> Settings to open the settings menu. The software is loaded in the relative path as shown in the example screens below.



Code can also be displayed in the Android Settings app. Navigate to **Settings> System> About phone> Build number**. The software revision number is at the end of the string as shown in the example below.

Android Settings app





App version

Note that the current version of the app is shown in the About screen as shown below accessed through the app menu. Each app has an About screen like the one below.



Chapter 1: Versity Software R2.2.2.1144

The R2.2.2.1144 release follows Google's best security practices. Release 2.2.2.1144 contains the Android applied cumulative patches to July 5, 2021.

This release is based on R2.2.1.1114.

No other bug-fixes, enhancements, or significant changes have been applied.

This release includes these software versions:

Handset version: 2.2.2.1144

Your Spectralink support representative will guide you through software release installations as needed.



Settings: Updating Versity to the current release

This release can be used to update any Versity currently running R2.1.1.1077 or later. It is posted on the Spectralink Support website in two different file types—incremental files and a full file. An incremental release is a much smaller file with a faster download time and recommended for more efficient updates.

Use the appropriate incremental file for your current release, for example for updating from 2.2.1.1114 to 2.2.2.1144 use file apollo-ota_update-signed-2.2.1.1114-to-2.2.2.1144.zip.

If your Versity smartphones are running an earlier version than R2.0, please contact your Spectralink support representative for instructions on how to get on the latest version.

Security Patch

For more information about this release, please refer to the Android Security Bulletins: Android Security Bulletins | Android Open Source Project

Chapter 2: Versity Software R2.2.1.1114

The R2.2.1.1114 release includes support for Fast Transition Adaptive mode. This release is based on R2.2.0.1077.

No other bug-fixes, enhancements, or significant changes have been applied.

This release includes these software versions:

- Handset version: 2.2.1.1114
- SAM version: Spectralink recommends deploying SAM R1.5 which includes support for the new features and applications in Android 10.

Your Spectralink support representative will guide you through software release installations as needed.



Settings: Updating Versity to the current release

This release can be used to update any Versity currently running R2.1.1.1077 or later. It is posted on the Spectralink Support website in two different file types—incremental files and a full file. An incremental release is a much smaller file with a faster download time and recommended for more efficient updates.

Use the appropriate incremental file for your current release, for example for updating from 2.1.1. 1077 to 2.2.1.1114 use file apollo-ota_update-signed-2.1.1.1077-to-2.2.1.1114.zip.

If your Versity smartphones are running an earlier version than R2.0, please contact your Spectralink support representative for instructions on how to get on the latest version.

Fixed Issues

Арр	Description	Ref
Biz Phone	Customers running 1.8 who upgraded to Android 10 found that Versity smartphones would no longer connect to Wi-Fi when running 802.11r with Fast Transition in Adaptive mode. This release allows the phone to connect when deployed using that scenario.	ESC-1605

The table below illustrates the possible configurations of FT when 2.2.1 is deployed. FT is enabled by default in the phones and in SAM. If FT is enabled in the access point (AP), then it will be used. If FT is disabled in the AP it will not be used, even it enabled in VQO.

Versity 95/96 release	AP mode	FT disabled	VQO FT enabled disabled		use FT? Notes	
2.2.1	adaptive		Х		Υ	adaptive mode
	enabled		Х		Υ	enabled mode

Versity 95/96 release	AP mode	FT disabled	VQO enabled	FT disabled	use FT?	Notes
	either			х	N	
		х	х		Ν	
		х		х	N	
2.0-2.2.0	adaptive*			Х	N	Will not connect to Wi-Fi
	enabled		х		Υ	
	either			х	N	
		х	х		N	
		х		х	N	
1.8** and Versity 92** (any release)	adaptive		х		N	Will connect using security options (other than FT) as configured in the controller
	enabled		х		Υ	
		х	х		N	
		х		х	N	

^{*} adaptive mode not supported by Spectralink devices prior to 2.2.1
** FT not supported

Chapter 3: Versity Software R2.2.0.1077

This release includes these software versions:

- Handset version: 2.2.0.1077
- SAM version: Spectralink recommends deploying SAM R1.5 which includes support for the new features and applications in Android 10.

Your Spectralink support representative will guide you through software release installations as needed.



Settings: Updating Versity to the current release

This release can be used to update any Versity currently running R2.1.1.934 or later. It is posted on the Spectralink Support website in two different file types—incremental files and a full file. An incremental release is a much smaller file with a faster download time and recommended for more efficient updates.

Use the appropriate incremental file for your current release, for example for updating from 2.1.1.934 to 2.2.0.1077 use file apollo-ota_update-signed-2.1.1.934-to-2.2.0.1077.zip.

An incremental update file to R2.2.0.1077 has been provided for phones currently running R2.1.1.934 and any out-of-the-factory version.

If an incremental update file is not available for your starting version, use the full OTA update file.

If your Versity smartphones are running an earlier version than R1.0, please contact your Spectralink support representative for instructions on how to get on the latest version.

New Features

Versity 95/96 Series and Android 10

All Spectralink applications support Android 10 standards. All security updates for Android 10 are current as of April 5, 2021.

VoLTE/VoWiFi

Versity LTE (models 9640/9653 only) now support an additional carrier.

Region	Carrier
Switzerland	Sunrise

WEP security method

WEP security method is deprecated for all Versity products.

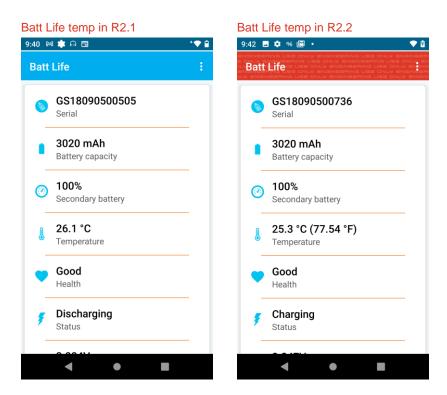
Batt Life

Add degrees °F temperature display. APPS-3433

Use guidelines

These are battery temperature guidelines excerpted from the Versity User Guide.

- Optimal battery charging results with ambient temperatures between 50°F to 86°F (10°C to 30°C). Operating outside of this temperature may result in extended charge times or incomplete charge cycle.
- Store batteries in dry conditions at approx. 65° F (20° C).



Biz Phone

User settings

User settings are controllable by the administrator in SAM/EMM by setting the main option to the desired value and then setting the "UI State" to Enabled, Disabled or Not Visible. ESC-1460

- Enabled--user-settable and default.
- Disabled--Admin settable, visible to the user but not settable, UI gets disabled.
- Not visible--Admin settable, not visible to the user, so not settable.

Settings and the resulting preference will be maintained through upgrades.

See Versity Application Administration Guide for complete information.

Device

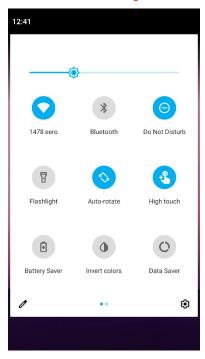
Quick settings tiles

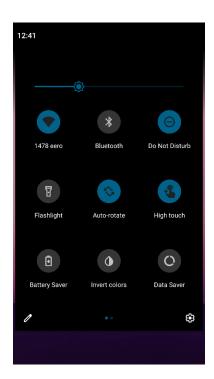
Added two options to Quick settings tiles.

Dark Theme

Dark Theme reverses light/dark--light text on dark background instead of dark text on white background.

Dark Theme is on the right

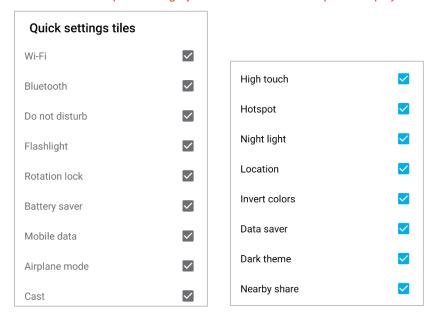




Nearby share

An Android platform that enables phones to share files, links, pictures, etc. with other devices within range. For more information, see https://support.google.com/android/answer.

Admin-controlled options are grayed out. User-controlled options display in color.

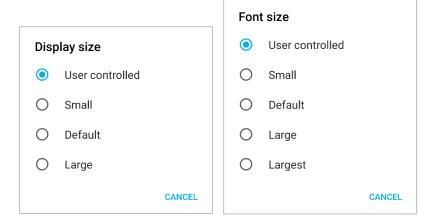


Battery optimization "allow" list

No longer "white" list.

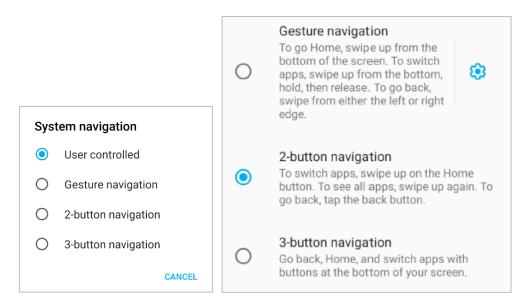
Display

Display and font size options under new Display section. ESC-1536



Spectralink 92xx models do not offer Display size larger than the Default option. If Large is selected it will map it to the Default size.

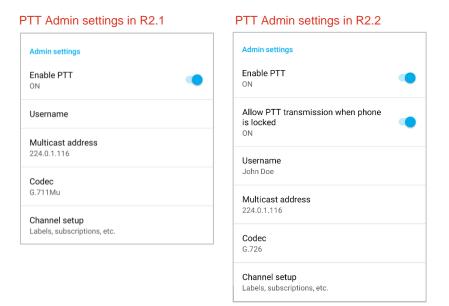
New navigation options/explanation:



Spectralink 92xx models have two navigation options: Gesture Navigation and 2-button navigation. If 3-button is selected in SAM/EMM, these models will use 2-button.

PTT

Add option: Allow PTT transmission when phone is locked



See Known Issues below for info on retaining the correct default channel when upgrading/downgrading software. Per ESC-1534]

Known Issues

Арр	Summary	Key
AMIE Agent	AMIE Agent may not work across VPN-over-Wi-Fi, unless Metered network is enabled.	ESC-1572
Biz Phone	Mitel Call Server: Call Park gives a "Transfer failed" error when it didn't fail. Mitel has documented this error under defect number MN00395831. The Call Park feature is still functional, but it is giving feedback that the transfer had failed, when it did not.	APPS- 3369
Biz Phone	If you have an LTE phone and do not have a SIM card in it then sometimes the phone can't get your location when SAFE wants to send an alert via WebAPI. However, we do not believe that any customer uses an LTE phones without a SIM.	ATM-1322
Logging	Logging is not supported across metered connections. Since some VPN connections may be considered metered, be aware that Logging may not be possible in some situations.	ESC-1569
PTT	Upgrade SAM 1.2 to 1.4 impacted PTT Default Channel Setting unexpectedly. Fix by the admin taking control of the setting when upgrading from SAM 1.4 to SAM 1.5 set the value to "Disabled" and set the desired value.	ESC-1534
SAM Client	SAM Client will not heartbeat to SAM server when device has "limited connectivity" network. Fixed using SDK version 2.5. See below.	ESC-1570
Sys Updater	A relative path that points to a folder that contains a "." (dot or period) does not work. Fix is to add a trailing slash. e.g. "Q_2.2" or "/Q_2.2" will fail. But "/Q_2.2/" or "Q_2.2/" will work. A dot is acceptable if the path is to a file.	AP-7727

Fixed Issues

Арр	Description					
Biz Phone	VoLTE in EMEA: One new provider has been confirmed. See above.	AP-7577				
Biz Phone	NFC bump of 2 phones trying to exchange contacts no longer launches Diagnostic test. NOTE: Beaming is deprecated in Android 10. Use Nearby Share to exchange contacts instead of NFC bump.	APPS-3400				
Device	Certain SIM APNs were not adding correctly through Device settings. Various elements were corrected and the whole system was made more robust to support every APN.	AP-7632 ESC-1383				
Diagnostics	Diagnostic app no longer crashes when accessory test is selected.					
Platform	Hot swap uses an internal secondary battery that sometimes needs a minute to wake up when the phone is turned off or asleep. Too much sudden demand may result in failure. Therefore, Spectralink recommends these best practices for using Hot swap:	AP-7502				
	If device is asleep:					
	 Wake the device from sleep if it was sitting with the screen off, wait 30 seconds, 					
	2. press power button to turn the screen off, wait 3-5 seconds, then					
	perform the hotswap with the screen off.					

Арр	Description	Ref
	If the device is off: 1. wait 3-5 minutes after booting, then 2. turn the screen off, wait 3-5 seconds, then 3. perform hotswap with the screen off.	
Platform	Audio no longer distorted during gameplay.	ATM-1264
SDK	New SDK functionality in SDK version 2.5 to allow reading the serial number and MAC address, as that is disabled in Android 10.	AP-7610 ESC-1457
Sound Stage	Sound Stage no longer crashes when beaming NFC card.	APPS-3408
Sound Stage	Sound Stage translations are fixed.	APPS-3398
SSO	Interoperability of all applications with the current version of the Imprivata IMDA app has been improved.	ESC-1545

Chapter 4: Versity Software R2.1.1.934

R2.1.1.934 is a patch designed to address two specific and limited Wi-Fi problems encountered with R2.1.0. No other bug-fixes, enhancements, or significant changes have been applied from 2.1.0.894.

This release includes these software versions:

- Handset version: 2.1.1.934
- SAM version: Spectralink recommends deploying SAM R1.4.1 which includes support for the new features and applications in Android 10.

Your Spectralink support representative will guide you through software release installations as needed.



Settings: Updating Versity to the current release

This release is a full upgrade to a new version of Android. Use a full OTA image. If your Versity 95/96 smartphones are running an earlier version than R1.0, please contact your Spectralink support representative for instructions on how to get on the latest version.

Fixed Issues

Арр	Summary	Key
Platform	Airplane mode and Wi-Fi toggles. Infrequently, the toggle will not re-enable Wi-Fi. Since users are not expected to use this feature often this will not occur. However, the workaround is to use SAM or EMM to disable these tiles.	ATM-1211
Platform	A device might detect an unrecoverable Wi-Fi issue and if so, will prompt the user to reboot the device. Observed rarely.	ATM-1215

Chapter 5: Versity Software R2.1.0.894

This release includes these software versions:

- Handset version: 2.1.0.894
- SAM version: Spectralink recommends deploying SAM R1.4 which includes support for the new features and applications in Android 10.

Your Spectralink support representative will guide you through software release installations as needed.



Settings: Updating Versity to the current release

This release is a full upgrade to a new version of Android. Use a full OTA image. If your Versity 95/96 smartphones are running an earlier version than R1.0, please contact your Spectralink support representative for instructions on how to get on the latest version.



Note: Screenshots in this release

Screenshots of features introduced in this release may be shown with Engineering code wallpaper. Final code will have the familiar Versity wallpaper.

New Features

Versity 95/96 Series and Android 10

Version 2.1 marks the release of Android 10 OS for Versity 95/96 models.

All Spectralink applications have been brought up to Android 10 standards. All security updates for Android 10 are included.

Network sharing via QR code

Android 10 smartphones can produce QR codes that provide network access to other smartphones. Clearly this could be an unwanted feature in an enterprise environment. Therefore, Spectralink removed ability to produce such a QR code while retaining the ability to join a network from code provided by the administrator.

MAC Randomization

MAC Randomization is a mechanism that uses a random MAC address when scanning networks and with each new connection. In the consumer world it is desirable because it increases privacy since a device can no longer be tracked by seeing its MAC address during

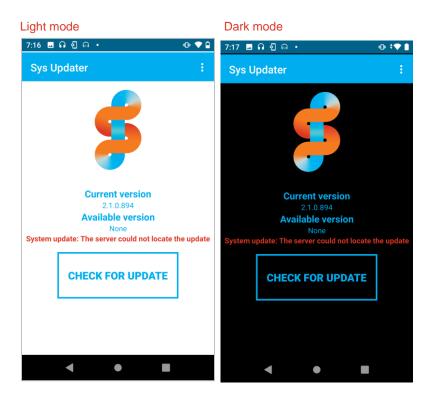
normal Wi-Fi discovery and connection. In the Enterprise world, many systems rely on having a unique MAC address per device, and MAC Randomization is not desirable.

Therefore, Spectralink has disabled MAC Randomization in its Android 10 products and the phone menu to enable it. With MAC Randomization disabled, systems can rely on seeing the "real HW MAC address" when connecting to a Wi-Fi network.

For added privacy, Versity 95/96 still randomizes the MAC address used to scan the network when that scan is initiated by a third-party application (those scans do not result in a connection, but simply report to the app what Wi-Fi Access Points are detected).

New Android 10 UI features

The UI conforms with Android 10 standards including gestures, dark mode, and many other features and enhancements. For instance, here's what dark mode looks like on Spectralink smartphone apps:



Barcode

Advanced Data Formatting added to ScanFlex. AP-7408 Added Barcode UI to the phone. (update from R1.8). AP-4892

Batt Life

Rename Dashboard as Batt Life.

To maintain consistency between apps, the "Dashboard" in Batt Life now uses the Batt Life name.

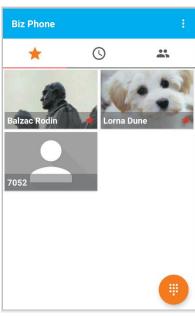


Biz Phone

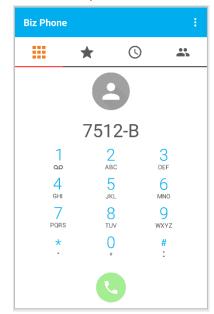
Set dial pad as the default screen.

Use the Settings menu (tap the three dots on the right of the title bar) to change the default display to Dial pad. The Dial pad icon will then show up as the default tab and the floating dial button will disappear.

Tabs with Favorites as default



Tabs with dial pad as default



Buttons

The Buttons app allows you to change which programmable button does what assignable action. Options have been added for 2.1 including ability to use a button to open a URL via the Open URL action. ESCWIRE-1414

Buttons options in 1.8

Button	Actions
Left button	Alarm
Right button	Volume up
Top button	Volume down
Fingerprint	Run application
Volume up	Scanner
Volume down	PTT
	Fingerprint
	Custom 1
	Custom 2
	Custom 3
	Custom 4
	•
Button	Default Action
Left button	No action

Buttons options in 2.1

Top button

- 1	
Fingerprint	Fingerprint
Volume up	Volume up
Volume down	Volume down
	Other Actions
	Scanner
	Run application
	Home key
	Back key
	Open URL
	Menu key
	Custom 1
	Custom 2
	Custom 3
	Custom 4

Alarm

Device Settings

Right button

New options and information

PTT

Device Settings arbitration between SAM and an EMM

EMM settings will override SAM settings in the event that items are configured from both an EMM and SAM or the Spectralink phone UI. AP-4624

Remote reboot option

When an administrator wants a remote phone to be rebooted by the user, the Admin reboot command can be used from SAM or an EMM.

The reboot can be configured to start remotely either on a schedule or the next time the phone is connected to power. A reboot can be activated immediately by these three methods to activate the reboot:

On SAM, click the Trigger Reboot button

On an EMM, enter a string in the Reboot command ID field. Use a different string for each reboot.

For an individual use on a local phone simply use the Restart option on the power menu.

Sounds

Allows an administrator to select the types of sounds that are permitted for each sound category and change the default sound for each.

Diagnostics

Under the direction of Spectralink Support personnel, the Diagnostics app allows an administrator to quickly and efficiently perform diagnostic tests prior to considering RMA.

This app is designed for use in coordination with Spectralink support personnel. Please contact your support representative for assistance.

Android Nearby Share

Android Nearby Share feature is now used to transfer contacts.

Logging

Two ways to view logs without setting up a server.

WLAN logging settings is a new button which can be used to capture continuous logging immediately to the phone's SD card. From there you can USB connect to phone and view the logs. It is disabled by default and is not designed to provide continual logging information as it is not a secure method. AP-7330, AP-5169

Web Access is a new button for accessing logs when needed for troubleshooting. Enable Web access in Web API and click WLAN Logging and see the file link in the browser window and download from there.

Sound Stage

Sound Stage enables administrators and users to control the various system and application volume levels in the form of profiles. It can be fully or partially controlled by SAM or an EMM.

Each profile contains the volume levels for system settings (alarm/media/ringer/in-call) and app settings (WebAPI/PTT/Batt Life). There are 4 predefined profiles (Normal/Loud/Soft/Silent) that can be configured up via SAM.

The administrator or user can configure the app to tell the phone when a particular profile should be applied (e.g, you can say you want the Silent profile from 6pm-9am and then the normal profile from 9am-6pm).

Sound Stage provides NFC options to scan and associate NFC tags to a profile. When configured, profiles can be switched by tapping the phone to something like a badge on the door of a conference room—a very handy way to switch to a silent profile when you enter the meeting room.

VoLTE/VoWiFi

Versity LTE (models 9640/9653 only) now support Telstra (Australian carrier).

Revert to 1.8

We also provide a mechanism to revert to R1.8 should a customer really need to do so. Every phone must be touched to and restore them to default, so it is not designed to be anything but a last resort measure.

Fixed Issues

Арр	Summary	Key
Barcode	Add option for UPCE to UPCA conversion	E-1421
Barcode	Added UI for Barcode	AP-4892
Barcode	Added ScanFlex to on-phone UI	AP-4902
Device Settings	Added arbitration for items configurable both from EMM (non-SLNK apps) and SLNK side (EMM/SAM)	AP-4660 AP-4977 AP-4661 AP-4624
Device Settings	Added remote reboot option	E-1376
Buttons	Added to the ability to open a URI on button press	AP-5019
VQO	Changing FT/CCKM preferences will not take effect until the phone reboots	AP-5070
[All apps]	Support for dark mode	

Known Issues



Caution: Wi-Fi issues

With all due caution Spectralink wishes to alert you to two known issues that can affect Wi-Fi connectivity. These issues were observed only rarely and only in automated test conditions and should not be seen in a controlled environment. However, please alert Spectralink support should this issue arise.

Toggles issue

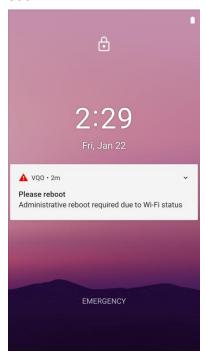
Airplane mode and Wi-Fi toggles. Infrequently, the toggle will not re-enable Wi-Fi. Since users are not expected to use this feature often this will not occur. However, the workaround is to use SAM or EMM to disable these tiles.

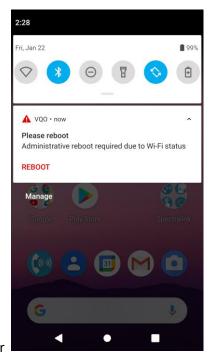
Although this is an infrequently-occurring issue, in a few customer scenarios and without warning, when Wi-Fi is toggled off and on, (such as via user action using Wi-Fi quick settings tiles, or using Airplane mode or other method) Wi-Fi does not come back on and will not recover without rebooting the phone. In many enterprise-settings, however, users may be prevented from toggling Wi-Fi by administrators through EMM or SAM administration settings.

Wi-Fi issue

A device might detect an unrecoverable Wi-Fi issue and if so, will prompt the user to reboot the device. Observed rarely.

Although the Wi-Fi issue was observed rarely and only in test (not actual use) situations, Spectralink feels due warning is needed. Should an unrecoverable Wi-Fi issue occur, the phone must be rebooted. Simply reboot the phone to recover Wi-Fi connection. This notification will be seen:





Sound Stage app issues

- Some strings in the application are only displayed in English, regardless of the phone's language setting.
- A Beam/Write tag must support Ndef technology.
- Viewing Settings while the phone is controlled by SAM or an EMM may cause an application exception.
- The profile switch rules are only not configurable when using SAM or EMM.

Diagnostics app issues

- The fingerprint sensor is not displayed in the button test.
- This issue is a consequence of the Diagnostics app, but it's seen in the Android Contacts app:

Bumping two devices together in the Contacts app launches the Diagnostics app.

Chapter 6: Versity Software R1.8.0.1255

This release includes these software versions:

- Handset version: 1.8.0.1255
- SAM version: Any post-1.0.x release supports the new parameters in Versity 1.8.0.1255 except as indicated. Later SAM releases support additional parameters.

Your Spectralink support representative will guide you through software release installations as needed.



Settings: Updating Versity to the current release

This release can be used to update any Versity currently running R1.0.0.784 or later. It is posted on the Spectralink Support website in two different file types—incremental files and a full file. An incremental release is a much smaller file with a faster download time and recommended for more efficient updates.

Use the appropriate incremental file for your current release, for example for updating from R1.4.0.1124 to 1.8.0.1255 use file apollo-ota_update-signed-1.4.0.1124-to-1.8.0.1255.zip.

An incremental update file to R1.8.0.1255 has been provided for phones currently running R1.6 and any out-of-the-factory version.

If an incremental update file is not available for your starting version, use the full OTA update file.

If your Versity smartphones are running an earlier version than R1.0, please contact your Spectralink support representative for instructions on how to get on the latest version.



Note: Screenshots in this release

Screenshots of features introduced in this release may be shown with Engineering code wallpaper. Final code will have the familiar Versity wallpaper.

New Features

Barcode Service

This release extends barcode functionality with the introduction of ScanFlex adding profile creation, data manipulation and custom intent capability.

Barcode options

The following options are available for Barcode service. Some of these may be configured through the current release of SAM but all of them are available for configuration using an EMM.

General	
Decode session timeout	Time between button press and scanning a label
Vibrate on scan	Enable or disable Vibrate on scan
Sound on scan	Enable or disable Sound on scan
Tone to play on scan	Select a tone to play on a scan
Illumination power	Select Illumination power between 0 and 10
Data manipulation	
Automatic carriage return	Add an Enter event at the end of the injection of barcode value
*Automatic Tab	Add a Tab event at the end of the injection of barcode value
*Trim barcode data	Remove leading and trailing whitespaces from barcode value
*Strip characters from left	Number of characters to be stripped from the left of the screen
*Strip characters from right	Number of characters to be stripped from the right of the screen
*Enable AIM codes or symbol id	Prefixes AIM code or Symbol id before data
*Prepend string	String to prepend to scanned barcode data
*Append string	String to append to scanned barcode data
Custom intent settings	
*Intent delivery method	Choose intent delivery method
*Intent category	Enter intent category
*Intent action	Enter intent action
*Zebra emulation (for custom intents)	Enable or Disable Zebra Emulation mode

^{*} Available in the next release of SAM

ScanFlex

The Spectralink Barcode service has been significantly expanded with ScanFlex, a new feature that allows the Spectralink Barcode service to support custom data manipulation for individual applications.

When the barcode application is configured via an EMM's application configuration capability, the EMM allows an administrator to configure all barcode service and Scanflex settings.

Applications using barcode service are grouped into "Profiles" which contain the exact package name(s) provided by the app developer(s). Within each profile the admin can enable required symbologies and configure custom data manipulation settings. When the given app is identified in the foreground, the barcode scanner will only scan the symbologies that have been programmed for that identified app.

Custom intents are available for and used by ScanFlex to provide additional specificity. The Barcode service requires that the third-party application be in foreground for custom intents to function. Some common intent delivery methods are:

Start another Activity,

- Start Service,
- Start Foreground Service
- Send Broadcast

Custom intents and keyboard emulation will use the manipulated barcode data.



Note: ScanFlex availability

As of Versity R1.8, ScanFlex is not supported on the current release (R1.2) of SAM. It is currently available for facilities using an EMM for configuring applications and/or services.

VoLTE/VoWiFi

Versity LTE (models 9640/9653 only) now support Telia, Telenor, and TDC.

Telia/Telenor

See Spectralink Versity Smartphone LTE Carrier Interoperability Guide.

TDC

When using TDC national carrier, update the TDC modem file setting to a DNS name instead of IP address. ATM-971

Fixed Issues

Арр	Summary	Key
API	Create new SDK zip file for 1.8 Release (Version 2.3) with new Barcode parameters for EMM.	AP-4732
Biz Phone	Resolved. Intermittent black screen	ESCWIRE-1325
Biz Phone	Resolved. FT errors	ESCWIRE- 1358,1245,1237,1323
Biz Phone	Resolved. Lost connection issue with CUCM	ESCWIRE-1369
Buttons	Added ability to configure run application prior to application installation	ESCWIRE-1374 ESCWIRE-1396 ESC-1337
Device	Added ability to whitelist applications prior to install	ESCWIRE-1400
Platform	Hot swap: Phone occasionally shuts down with 60s timer after hot swap possibly due to low battery = fixed	AP-4716
Platform	Resolved issue playing mp3 files	ESCWIRE-1393
Platform	Quick tiles now properly hide after reboot	ESCWIRE-1404
PTT	Resolved issue responding to IGMP when in suspend	

Арр	Summary	Key
VQO	Add Auth Key Management preference settings to VQO application	AP-4045 ESC-1337 ESCWIRE-1375
AMiE	For more data but only when needed, wake lock must be explicitly enabled and should only be used for troubleshooting at the request of Spectralink service personnel. The wake lock setting is available through SAM or an EMM.	ATLS-224

Known Issues

App	Summary	Key
EMM	Airwatch bug: when changing a field from a text value to blank, the setting is not changed on the phone. Workaround: send a blank	AP-4637

Chapter 7: Versity Software R1.7.0.1232

This release includes these software versions:

Handset version: 1.7.0.1232

• SAM version: Any post-1.0.x release supports the new parameters in Versity 1.7.0.1232 except as indicated.

Your Spectralink support representative will guide you through software release installations as needed.



Settings: Updating Versity to the current release

This release can be used to update any Versity currently running R1.0.0.784 or later. It is posted on the Spectralink Support website in two different file types—incremental files and a full file. An incremental release is a much smaller file with a faster download time and recommended for more efficient updates.

Use the appropriate incremental file for your current release, for example for updating from R1.4.0.1124 to 1.7.0.2225 use file apollo-ota_update-signed-1.4.0.1124-to-1.7.0.2225.zip.

An incremental update file to R1.7.0.1232 has been provided for phones currently running R1.6 and any out-of-the-factory version.

If an incremental update file is not available for your starting version, use the full OTA update file.

If your Versity smartphones are running an earlier version than R1.0, please contact your Spectralink support representative for instructions on how to get on the latest version.



Note: Screenshots in this release

Screenshots of features introduced in this release may be shown with Engineering code wallpaper. Final code will have the familiar Versity wallpaper.

General Enhancements

EMM interface

The Google-recommended OEMConfig Enhanced Schema is implemented on five Spectralink apps: Barcode, Buttons, Device Settings, Logging, and VQO. The Enhanced Schema allows for better organization of app config items through a hierarchical structure instead of a single list.

There is a one-time action, completed by the EMM admin, of re-configuring the respective OEMConfig app in the EMM console with this update to the Play Store. Only these OEMConfig apps are affected and an EMM admin only needs to take action if app config is pushed from an EMM to the app. If SAM is used, no action is required.

Prior to an EMM admin re-configuring the respective OEMConfig app in the EMM console, previous settings will still be honored and app behavior will remain consistent with the previous release. There are two scenarios in which the EMM admin must take this action before continuing:

- 1 A new Versity enrollment (either a new device or a re-enrollment)
- 2 An admin wants to either change an existing app config item or configure a new app config item introduced in this release

AP-4103, AP-4102, AP-4101, AP-3853, AP-3852

Proximity sensor

Versity has a proximity sensor at the top right. When this sensor is blocked, the phone screen is black. The sensor is normally blocked by the face when the earpiece is used to listen to a caller. In other words, the screen is black when in call and the earpiece is being used to listen. If the phone just seems to go black when not in a call for no apparent reason, the user may be covering the sensor with a finger or paper or something else that blocks light. Instead of presenting just a blank black screen, the phone will now display a message "Close proximity detected". If there is no apparent blockage, clean the area of the sensor.

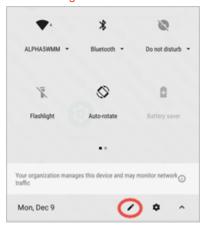


Quick tiles are configurable

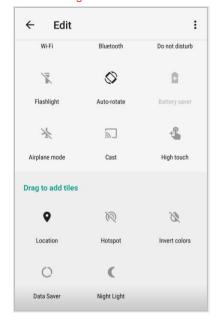
The user/administrator now has the option to select which quick tiles are available. These are set in the Device Settings app menu and may be controlled by SAM or an EMM. The quick tiles display only includes the allowed tiles. The user can select which ones appear.

If tiles are disabled and then re-enabled, the user will need to tap the edit pencil to open the edit window and tap/drag tiles back to the quick tiles window. E-1260

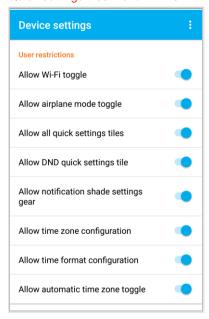
Quick settings tiles



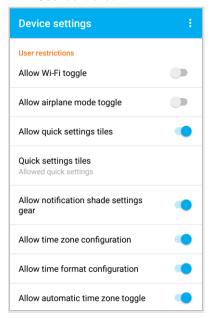
Quick settings tiles edit screen



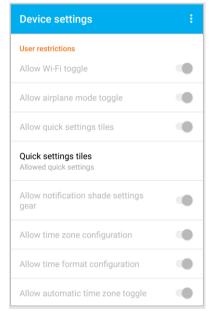
Quick settings tiles menu—R1.6



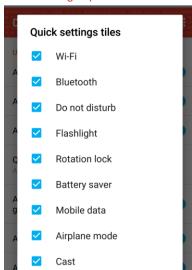
R1.7 User controlled



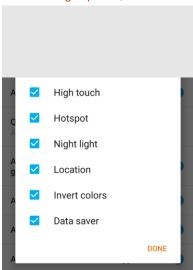
R1.7 SAM/EMM controlled



Quick settings options



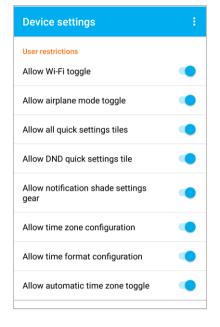




Disable emergency dial from the lock screen

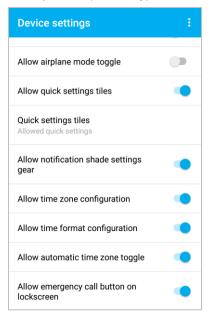
Not all facilities wish to implement Emergency dial from the lock screen. To accommodate this preference, a new configuration option in the Device app allows administrators to disable Emergency dial if it should not be available to end users on Wi-Fi models only (Versity 9540 and 9553). LTE models (Versity 9640 and 9653) must continue to allow emergency calls from the lock screen and this option will not be available on LTE models. E-1329

R1.6 Device settings with no option for emergency call. Emergency always appears on the lock screen





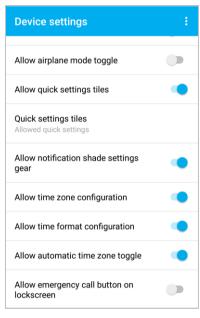
R1.7 option on (Wi-Fi only)



Lock screen with Emergency



R1.7 option off (Wi-Fi only)



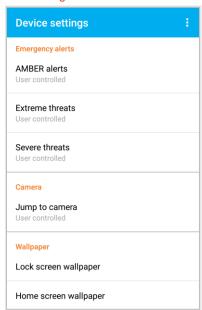
Lock screen without Emergency



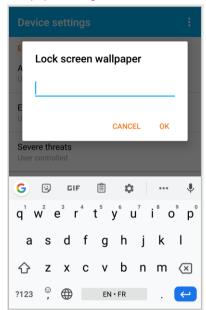
Home/Lock screen wallpaper

Wallpaper is now selectable for the home and lock screen in the Device settings app. Enter the path to the file in the provided field as shown below.

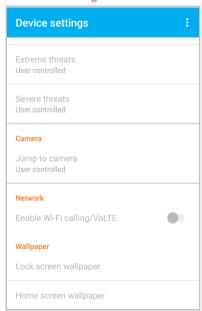
User configurable



Wallpaper configuration



SAM/EMM configured



New Apps

SSO Status

SSO stands for single sign-on, an authentication process that integrates the Biz Phone app with third-party identity management solutions. It allows sharing one Versity smartphone among

multiple users where each user has a unique extension and credentials on the PBX which are also configured in the identity management solution.

The first certified solution is Imprivata's IMDA app. The app is programmed with each user's credentials and the user is issued an NFC identity card which is used to logon. Versity displays the Imprivata sign-on screen at startup which prompts the user to use the badge to sign on. Upon a successful NFC bump, the Versity SSO app retrieves the user's PBX extension and password from MDA and writes it to the Biz Phone app. The phone registers with the user's SIP extension and the Biz Phone successful registration icon appears. When the user logs out, the user's credentials are removed and the connection to SIP is disabled. E-1221, A-2198

AMiE Agent

AMiE stands for Advanced Mobile Intelligence for Enterprise, an analytics tool developed by Spectralink to support Spectralink smartphones. The AMiE Agent application is the first part of the AMiE release package. It resides on the smartphone and collects key metrics for proactive monitoring and alerting.

When the soon-to-be-released AMiE Analytics software is installed and activated, the AMiE agent forwards metrics such as battery status and device status, performance, and utilization to the AMiE Analytics system which parses the information and presents it in a GUI interface for real-time system monitoring and management.

The AMiE Agent is installed as an application with Versity R1.7 but is designed to operate with the AMiE Analytics software. It should be kept in a disabled state until the entire AMiE system is purchased and installed.

New Features

Barcode

Symbology identification methods, etc.

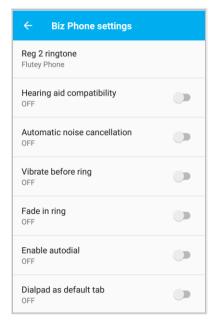
Versity models 9553 and 9653 have an integrated barcode reader. In some facilities, the symbology that generates the resulting information must be identified by name or code as part of the symbology capture. With this release, Spectralink provides three different parameters for barcode identification. Contact Spectralink support for more information and access to the SDK for developers.

- The AIM code is an industry standard 3-character identifier that provides information about the symbology generated by the decoder of a scanner. The code is prepended to the scanned barcode and may be employed by keyboard injection as well as the data sent through the intent. E-1273
- Prepended string: Enables administrators to prepend a string before the barcode data.
- Control character(s): One or more control characters may be inserted into barcode data.
 E-1290

Biz Phone

Dialpad as default tab

When enabled, the dialpad will be the default display when the Biz Phone app is opened (instead of Contacts). Dialpad as default tab is disabled by default. It is a user setting and can be enabled on the Biz Phone settings menu. (E-1279)



Biz Phone (w/Cisco SPP)

Settings apply to Versity models 9540 and 9553 purchased through the Cisco channel and support the Cisco COP file integration.

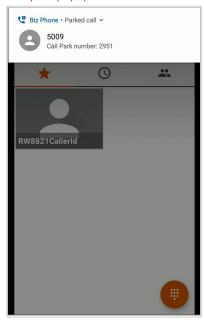
Call park status

The user can select Call Park from the dropdown during an incoming call, a popup will confirm the call is parked and include the call extension and Call Park number. The notification will also provide this info. Tapping the notification will open the call.

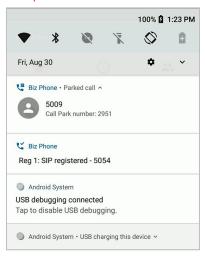
Call park dropdown



Call park popup



Call park notification



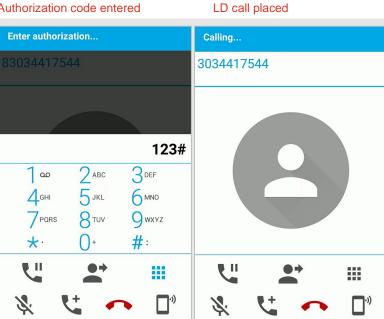
Forced authentication code E-1272

The customer is prompted with a tone to enter a pass code after dialing a long-distance number. After the code is entered, the call will be placed.

LD call dialed



Authorization code entered



PTT enhancements

The PTT app has been moved into the Android telecom framework. As a result, you will see call notifications during an active Biz Phone call, with option to Answer or Reject, Lock screen has a 'RETURN TO CALL' option for PTT.

A popup radio icon will display for the transmitting user. When the user transmits PTT, the icon will be gray during the training period, and turn blue when the user can speak.

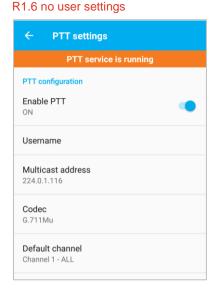
Minimum volume has been changed to where although the user can set the volume, the user no longer is able to mute the PTT notifications. The sliding volume control cannot go all the way to the left. (E-1022)

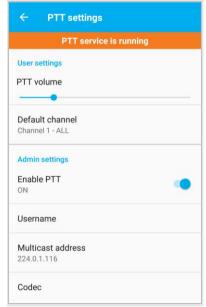
Significant audio quality improvements due to enhanced jitter buffer. A-2032

PTT User settings

PTT configuration settings are now divided between User settings and Admin settings. Users can set PTT volume and the default channel.

R1.7 PTT user settings at the top of the PTT settings menu.

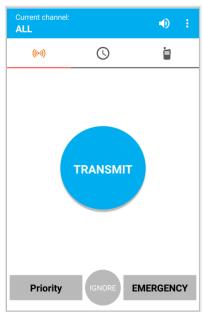


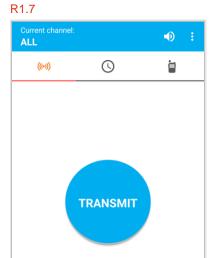


PTT deprecations

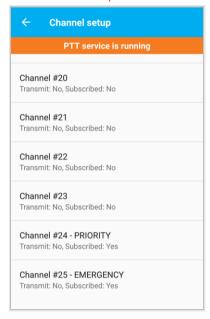
In response to customer requirements, precedence-based channel functions for channels 24 and 25 are no longer labeled and enabled by default with Priority and Emergency labels. All channels now function the same. A-2311

R1.6

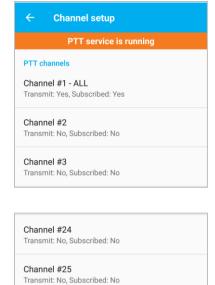




R1.6 Channel setup



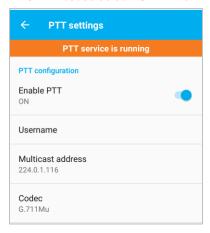
R1.7 Channel setup



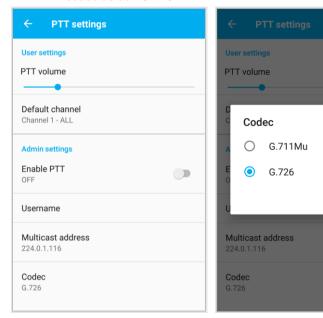
Default codec change

Versity smartphones perform better using codec G.726 for PTT so the default has been changed from G.711 Mu to G.726. However, when setting the codec for an environment where both Versity and 84-Series phones are sharing PTT transmissions, use G.711 Mu. A-1177

R1.6 PTT codec default G.711 Mu



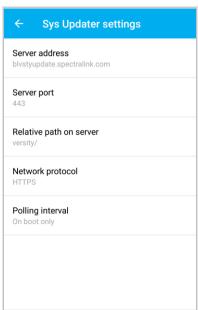
R1.7 PTT codec default G.726



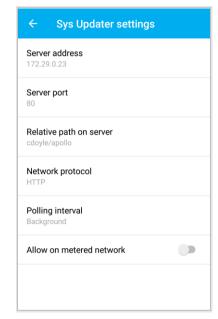
Sys Updater enhancements

Versity can now be permitted on metered networks by enabling the Allow on metered networks option. AP-4048

R1.6



R1.7 Metered network added



CANCEL

Web API

Widget box resized

The widget box that displays shortcuts to enabled links may be dynamically sized. E-1354

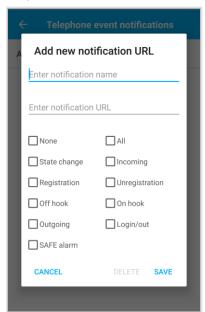
R1.7 Web API widget box with handles



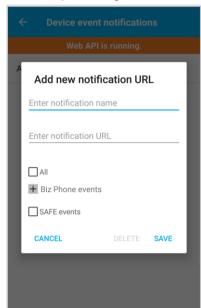
Event notification options streamlined

Event notification options are nested. A-2190

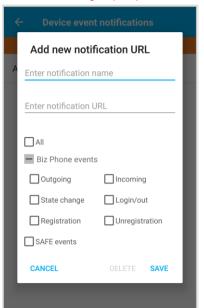
R1.6



R1.7 Grouped settings



R1.7 Biz Phone group expanded



Fixed Issues

Арр	Summary	Key
All apps	Shading now finished for all unavailable options	<u>AP-3957</u>
Barcode	The MSI Plessey code is now read correctly	AP-3944
Biz Phone	BizPhone ringtone settings now supersede the Android Settings> Sound ringtone	<u>APPS-2129</u>
Biz Phone	Blind transfer to an Invalid number – streamlined the user experience	APPS-2122
Biz Phone	BizPhone Contacts search now persists	<u>APPS-1978</u>
Biz Phone	Now able to dial LDAP numbers using the phone icon	APPS-2130
Biz Phone	Protocol no longer changes from TCP to UDP in SUBSCRIBE message	APPS-2127
Biz Phone	Problematic out of range behavior with TCP solved	APPS-1968
Biz Phone	Registration Status bar icon shows accurate success for Registration 1	APPS-2300
Biz Phone	Toggle switches now reflect SAM settings in Biz Phone	APPS-2303
Biz Phone	Dialer no longer populates phone number with "2" in front of the number.	APPS-2126
Biz Phone	Explore options for audio parameters for Biz Phone vs. Duo, etc.	<u>AP-3845</u>
Biz Phone	Duo App audio now works	<u>ATM-871</u>
Biz Phone	Speakerphone volume option increased	<u>ATM-647</u>

Арр	Summary	Key
Biz Phone	Some devices reporting corrupt filesystem now fixed	ESCWIRE-1332
Biz Phone	Skype for Business—normal behavior when a call is rejected	APPS-2140
Biz-Cisco	Now provide user feedback to show call park status when confirmed notify is received	ESCWIRE-1293
Biz-Cisco	Cisco Basic Search - Users with multiple numbers now default to the telephone number	APPS-2216
Biz-Cisco	Advanced Cisco contact search values match departments/titles	APPS-2175
Device	No more random crash when opening the Device app.	ESCWIRE-1326
LTE	Using TDC the handsets correctly sends single SMS (text message)	ESCWIRE-1328
SAFE	SAFE feature now cancels alerts remotely by sending a push notification via WebAPI	ESCWIRE-1312
Trans	Norwegian language now displays correctly	<u>AP-3968</u>
WebAPI	WebAPI now correctly launches an external dialer when Biz Phone SIP is disabled and it gets a push of a tel: URI	APPS-2297

Known Issues

Арр	Summary	Key
Buttons	Assigning a button press to open an app activity: If you specify an app package name and the app is not installed when the configuration is pushed, the Buttons app does not apply that setting properly and will not launch the app on button press when the app is installed later. The advised action is to specify both the package name and the activity name in the configuration string, not just the package name.	E-1374
Audio	Audio drops using CCKM. In certain situations, audio drops result in significant call interruptions. A Wake lock debugging option is added to Logging settings to support diagnostics.	E-1369
PTT	IGMP issue with APs when phones suspend. Solution is to activate wake lock.	AP-4251

Chapter 8: Versity Software R1.6.0.1212

This release includes these software versions:

- Handset version: 1.6.0.1212
- SAM version: Any post-1.0.x release supports the new parameters in Versity 1.6.0.1212 except as indicated.

Your Spectralink support representative will guide you through software release installations as needed.



Settings: Updating Versity to the current release

This release can be used to update any Versity currently running R1.0.0.784 or later. It is posted on the Spectralink Support website in two different file types—incremental files and a full file. An incremental release is a much smaller file with a faster download time and recommended for more efficient updates.

Use the appropriate incremental file for your current release, for example for updating from R1.4.0.1124 to 1.6.0.1212 use file apollo-ota_update-signed-1.4.0.1124-to-1.6.0.1212.zip.

An incremental update file to R1.6.0.1212 has been provided for phones currently running R1.5.0.1189 and any out-of-the-factory version.

If an incremental update file is not available for your starting version, use the full OTA update file.

If your Versity smartphones are running an earlier version than R1.0, please contact your Spectralink support representative for instructions on how to get on the latest version.

New Apps

SSO Status (Beta version)

Spectralink is constantly developing new applications in response to emerging workplace requirements. Stay tuned for more information. [E-1221]

AMIE Agent (Beta version)

Spectralink is constantly developing new applications in response to emerging workplace requirements. Stay tuned for more information.

New Features

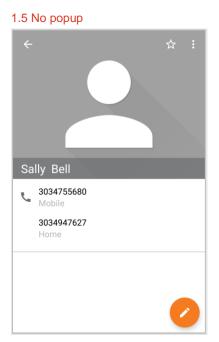
Biz Phone

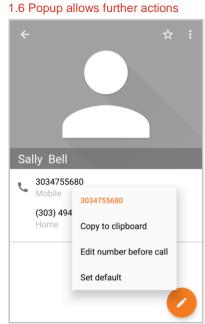
Remove offensive ring tones

Certain ringtones deemed inappropriate for the business environment were removed from the stock Android ringtone list. Also see Device and new ringtone management options below. [A-2070]

New contact options

A long press on a contact's phone number opens a popup that enables additional actions. [A-1979].

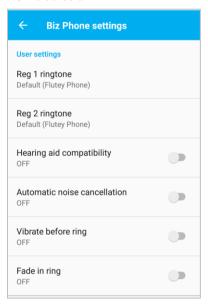




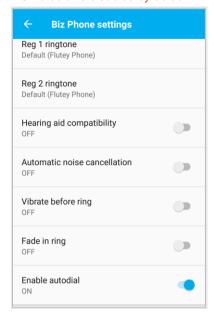
Autodial

When autodial is disabled (it is disabled by default) pressing a Contact in the contacts app or in the Biz Phone app> Contacts tab, Recents tab, or Favorites tab, the phone number will be populated in the dialer but not dialed. When autodial is enabled, the number will be populated and dialed automatically. [E-1279]

1.5 No autodial



1.6 Autodial is disabled by default

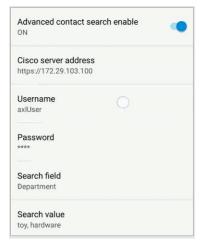


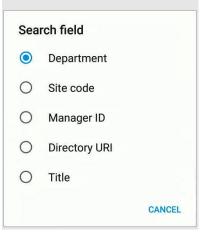
Biz Phone (w/Cisco SPP)

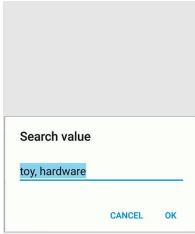
Settings apply to Versity models 9540 and 9553 purchased through the Cisco channel and support the Cisco COP file integration.

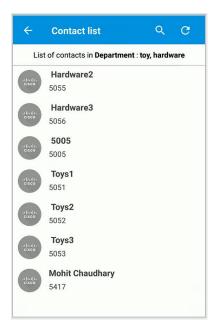
Advanced contact search

Updates to the Advanced Cisco Contact Search feature. It allows the "axl" user to select a search field and enter a search value to refine a search. [E-1193]









Certificate validation

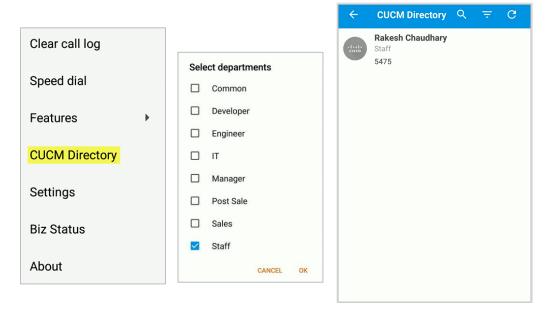
Instead of blindly accepting a certificate, a popup provides a warning as well as information about the certificate.



Group subscription and speed dial settings

Instead of having to search through the entire contacts list to find the desired CUCM contact, a CUCM Directory option is added to the apps menu which provides a way to categorize contacts.

Department categorization is used as a filter to display only those contacts in the selected category. The filtered contacts list may then be used for speed dial activation.



Voicemail download failed

A new string "Voicemail download failed" has been added for a popup message if voicemail download has failed.

Device Settings

Several management settings have been added to the Device app to give administrators the ability to customize Versity to meet facility requirements. Changes are explained in the order they appear in the Versity Device app settings menu as the following bulleted items.

- Quick setting tiles and notification shade edits
- Device name
- Battery saver toggle
- Secure keyboard and Google voice typing
- Sleep timeout
- Touch settings
- Emergency alerts
- Jump to camera
- Wi-Fi calling/VoLTE

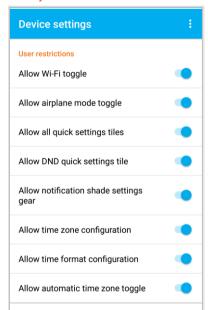
User restrictions

User restrictions can be configured with SAM or an EMM to allow or prevent a user from making configuration changes.

Versity 1.5

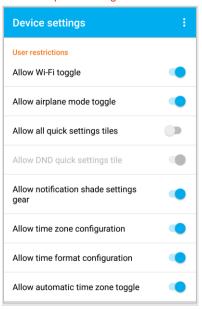


Versity 1.6



Allow all Quick setting tiles [AP-3797, E-1198]— Permits the administrator to hide all
quick settings icons. If quick settings tiles are disabled, the DND option is also not
available.

Disallow quick settings tiles

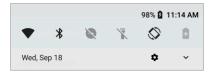


Quick settings tiles are disallowed

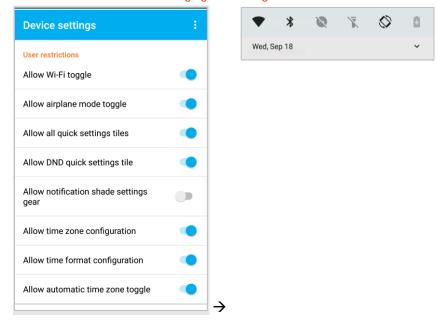


Allow notification shade settings [AP-3797]-- Permits the administrator to prevent the
user from making Android settings changes via the notification shade gear. When the
gear is disallowed, it no longer appears in the notification shade.

Notification shade gear is shown



Disallow notification shade settings gear → No gear



Edit device name

A new category and option that permits the administrator to specify the device name, especially useful when configuring devices for EMM management. [E-1291]

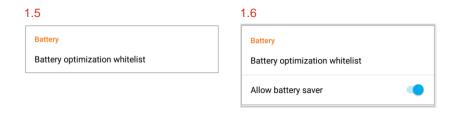
Edit device name



Battery

Battery permits the administrator to restrict certain battery controls.

 Allow battery saver [AP-3773, E-1198]—a toggle that restricts the user's ability to enable battery saver mode. Battery saver mode can have a significant impact on what apps are available or functioning.



Keyboard

A new Category that introduces the Spectralink secure keyboard, SKeyboard which does not interface with the internet--- it doesn't send text to internet and doesn't require an internet

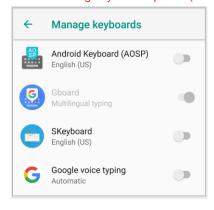
connection for auto-prediction and auto-correction. It is disabled by default but may be enabled through SAM or an EMM. [AP-3823, E-1196]

- When SKeyboard is enabled from the Spectralink Device app, all other enabled keyboards including Gboard are turned off. When SKeyboard is disabled, only Google Gboard is re-enabled (not every other one that might have been active).
 - A user can enable or re-enable other keyboards through the Android Settings menu (Settings> System> Languages & input> Virtual keyboard> Manage keyboards). Deploy a secure launcher to disallow non-secure keyboards.
- Google voice typing can be separately enabled from the Spectralink Device app as an
 input method. Voice typing can be turned off but other apps may still use their own voice
 input.

Keyboard options



Android setting keyboard options (example)



Sleep

A new Category that introduces a programmable period of time for the screen timeout.



Admin Tip: What is "User controlled"?

Several new settings introduce a new value---"User controlled" in addition to Enable and Disable or a list of choices. The "user controlled" option allows an administrator to permit a user to set and change a parameter in the Android menus instead of merely enabling, disabling or setting a specific value at the SAM or EMM level.

For example, let's consider the Sleep timeout setting which is now available on the Device settings menu in addition to being available in the Android settings menu. An administrator has these options:

- Set a specific value in SAM or an EMM, say 15 seconds, for this timeout.
 The user cannot change it on the Device menu, but could change it on the
 Android settings menu. The changed value is reflected in the Device
 settings menu but could be overridden at any time by SAM or the EMM.
- 2. If the Enable option is used, for example with Touch tones, the setting is shown as enabled in Device settings but the user could disable it in the Android settings menus. The changed value is reflected in the Device settings menu but could be overridden at any time by SAM or the EMM.
- 3. If the Disable option is used, for example with Touch tones, the setting is shown as disabled in Device settings but the user could enable it in the Android settings menus. The changed value is reflected in the Device settings menu but could be overridden at any time by SAM or the EMM.
- 4. Allow the user to control it, in which case Device settings will defer to the Android menu where the user can select any offered value for the sleep timeout or other option. The Device setting menu displays "User controlled".

A secure launcher can be used to prevent the user from accessing the Android Settings menu and temporarily selecting a different value than the one set in the EMM/SAM.

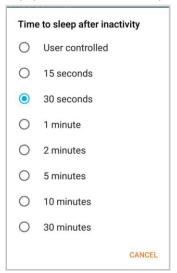
Conversely, since a secure launcher prevents the user from accessing the Android Settings menu, they will not be able to make any changes in that menu even though "user controlled" is set in the Device Settings.

Time to sleep after inactivity

Device settings



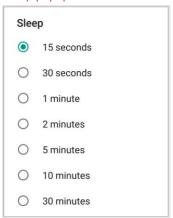
Popup with User controlled option



Android menu option

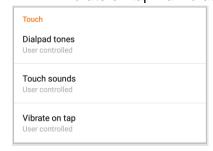


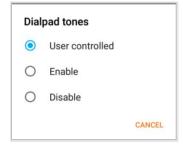
Sleep popup



Touch

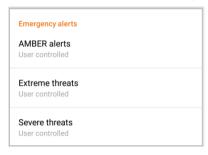
- Dialpad tones—tones available on Versity or custom tones programmed in an EMM
- Touch sounds—percussive sounds available on Versity or in an EMM
- Vibrate on tap—a vibration when Versity touchscreen is tapped.





Emergency alerts

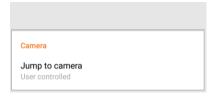
A new category that permits the user to set options for AMBER, Extreme and Severe threats. Extreme and Severe are usually weather alerts. The User controlled, Enable, Disable settings are the same as for Touch options.

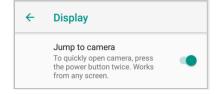


Camera

A new category that permits the user to set the "Jump to camera" Android setting. The User controlled, Enable, Disable settings are the same as for Touch options.

Jump to camera





Network

A new category that introduces a Wi-Fi setting required by LTE devices (Versity 9640, 9653) using the Telia cellular service. See Wi-Fi calling below.

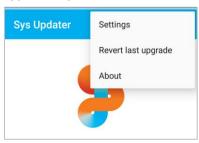


Sys Updater

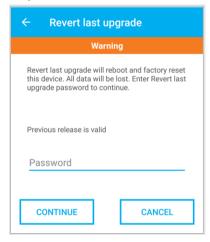
Revert last upgrade

A new feature to allow an administrator to revert an upgrade. Designed for limited use, it permits one revert per release per phone. The phone will revert only to the last update installed on the phone and is 1.6.x or later. It is manually activated and requires a password that must be configured through SAM or an EMM. It cannot be performed remotely. It will trigger a factory reset as the final step. [AP-3749]

App menu option



Only reverts to 1.6.x and later



Web API

The Web Developers Guide has been updated and scripts are now available that provide clear examples for reference when developing Web apps. [E-1224]

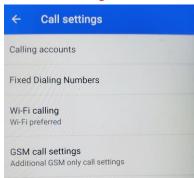
Wi-Fi calling (option for LTE only)

As of 1.6.xxx Versity is certified by Telia, a carrier that primarily operates in Scandinavia. In order to deploy Versity (models 9640/9653 only) using Telia: Insert a Telia SIM card (see instructions in the *Versity Deployment Guide*). Navigate to the Spectralink Device app> Device settings. Scroll down to Network and Enable Wi-Fi calling/VoLTE. Navigate to Android Settings and search on "Wi-Fi calling" or navigate to Network settings. Enable Wi-Fi calling. Reboot the phone for the settings to take effect. [E-1231,-1232]

Device settings



Android Call settings



This activation allows the phone to move seamlessly between LTE calls and Wi-Fi calling (when a configured SSID is available).

Fixed Issues

Description	Reference
Blind transfer to an external call now works correctly	E-1274
Bogus crash message appeared in Biz Status—fixed.	E-1271
Cisco SPP. Two phones cannot register to the same extension at the same time. Multiple re-registration attempts will display. Operator error, no fix.	A-1881
Cisco SPP. implement a UI mechanism for establishing a secure connection with the CA certified server or unsecured connection with a self-signed certificate with user consent through a pop-up.	A-1812
Certain conditions cause microphone to remain open—fixed.	E-1218
Consistent popups needed for SSL certificate error across push, poll and event notificationsdone.	A-1879
Updates to the Web API library	A-1365
For LTE models: To report accurate location using Latitude/Longitude to determine the phone's location the Google Location mode must be set to "High accuracy" (Settings> Google> Location=On> Mode> High Accuracy. For Wi-Fi models: To report accurate location, ensure Location mode is enabled and set to Device only. Settings> Google> Location=On> Mode> Device only	A-1745
Push Alert Priority setting description corrected in <i>Apps Admin Guide</i> doc, Rev C.	A-1925
For an LTE model, you must first disable Wi-Fi to get the IP address and allow the phone to find the IP address. From then on, both Phone IP and Cellular IP will display.	A-1919
Incrementals for 1.5.x were removed from the website but incremental builds for 1.6.x will be available.	
Older logcat files will be cleaned up.	AP-1790
When testing engineering builds, an "engineering only" wallpaper appears and will persist even when the phone is upgraded to a final release. The wallpaper will clear and the phone will return to normal after a Factory Reset is done on a final released build.	AP-3981
	Blind transfer to an external call now works correctly Bogus crash message appeared in Biz Status—fixed. Cisco SPP. Two phones cannot register to the same extension at the same time. Multiple re-registration attempts will display. Operator error, no fix. Cisco SPP. implement a UI mechanism for establishing a secure connection with the CA certified server or unsecured connection with a self-signed certificate with user consent through a pop-up. Certain conditions cause microphone to remain open—fixed. Consistent popups needed for SSL certificate error across push, poll and event notificationsdone. Updates to the Web API library For LTE models: To report accurate location using Latitude/Longitude to determine the phone's location the Google Location mode must be set to "High accuracy" (Settings> Google> Location=On> Mode> High Accuracy. For Wi-Fi models: To report accurate location, ensure Location mode is enabled and set to Device only. Settings> Google> Location=On> Mode> Device only Push Alert Priority setting description corrected in Apps Admin Guide doc, Rev C. For an LTE model, you must first disable Wi-Fi to get the IP address and allow the phone to find the IP address. From then on, both Phone IP and Cellular IP will display. Incrementals for 1.5.x were removed from the website but incremental builds for 1.6.x will be available. Older logcat files will be cleaned up. When testing engineering builds, an "engineering only" wallpaper appears and will persist even when the phone is upgraded to a final release. The wallpaper will clear and the phone will return to normal after a Factory Reset is done on a

Known Issues

Area/App	Description	Reference
Network	Versity has an issue with the Fast Transition (FT) method for fast roaming. Spectralink is working to correct the problem but as a temporary workaround, Spectralink has reordered priority so that other security methods are preferred. You may continue to enable FT-PSK (for PSK2) or FT (for 802.1x) on the wireless network but ensure one of these other methods is enabled (as recommended in the Spectralink VIEW guide for your APs). For WPA-PSK2, it is PSK. For 802.1x it is CCKM and OKC. When the problem is corrected, the prioritization workaround will be replaced allowing the FT method will be available and functioning.	AP-3799
Barcode	Interleaved 2 or 5 symbology needs a workaround for SAM and EMMs. Keep "check digit verification" Disabled. Keep "Enable transmit…" Unchecked.	ATM-847
Biz Phone	Deprecated ringtone names still appear in 1.6. Ringtones deemed inappropriate for the workplace were removed in 1.6 but if set in an earlier version and then the phone is upgraded, the name of the ringtone still appears but it does not play. The default is played. When the user changes the ringtone, the new name appears.	A-2070
Biz Phone	Speakerphone mode may produce unacceptable overtalk when the parties speak at the same time.	ATM-885
Buttons	The Buttons app was originally designed for user configuration. Many customers requested the ability to remotely configure the buttons administratively and this feature is available starting with Versity release 1.5.	E-1304
	If using Managed Configurations to configure the Buttons App via an EMM, start with Versity on the 1.5.0 platform release or later.	
	However, when using an EMM, the app updates are pushed before the Versity updates but the newer app will not work correctly on older Versity releases.	
	Therefore, the Button app upgrade could have been pushed prior to upgrading to the 1.5.0 release which necessitates a different approach. This different approach also works if you are upgrading to the 7.3.14511 Buttons app release on an earlier-than-1.5 Versity release. Do one or the other of the following two options:	
	 If on the 1.5.0 Versity release, factory reset the phone. The Buttons app will upgrade to the version shipped with the 1.5 release. 	
	 If using an EMM, remotely change all buttons settings to a different action (e.g. "No Action"). Make sure the change is reflected on all phones. Then resend the updated Buttons app configuration. Buttons app should be 7.3.14511 or later. 	
Logging	Versity no longer vibrates at the start and stop of a bugreport. This is by design to prevent user distraction when bugreports are captured for internal reports.	AP-3846
Platform	Battery saver cannot be enabled from the low battery Android popup even when Battery saver is allowed in the Device app settings. It must be enabled in the Battery saver tile or in the Android settings menu.	ATM-889
Platform	Norwegian will not display in some Spectralink apps.	AP-3968

App Versions

Spectralink releases include updated versions of Spectralink apps. The list below lists all the Spectralink apps shipped with the current release and their versions.

Арр	Version
AMIE Agent	7.3.14257
Barcode	7.3.14256
Batt Life	7.3.14250
Biz Phone	7.3.14471
Buttons	7.3.14511
Device	7.3.14516
Lens Grid	7.3.14262
Logging	7.3.14259
PTT	7.3.14251
SAFE	7.3.14252
SAM Client	7.3.13346
SSO Status	7.3.14509
Sys Updater	7.3.14261
VQO	7.3.14250
Web API	7.3.14254

Chapter 9: Versity Software R1.5.0.1189

This release includes these software versions:

- Handset version: 1.5.0.1189
- SAM version: Any post-1.0.x release supports the new parameters in Versity 1.5.0.1189 except as indicated.

Your Spectralink support representative will guide you through software release installations as needed.



Settings: Updating Versity to the current release

This release can be used to update any Versity currently running R 1.0.0.784 or later. It is posted on the Spectralink Support website in two different file types—incremental files and a full file.

An incremental release is used to update code to the next released version. It is a smaller file with a faster download time and recommended for incremental updates. Use the appropriate incremental file for your current release.

Full OTA download files should be used only by direction of Spectralink Support. It is provided on the support site only for support reasons.

If your Versity smartphones are running an earlier version than the one just before this one, or a different version, please contact your Spectralink support representative for instructions on how to get on the latest version.



Settings: Use full file name for Sys Updater relative path setting

You must use the full filename in the relative path setting whether you are updating manually or using the SAM server. E.g.

/[server_name]/apollo-ota_update-signed-1.5.0.1189.zip

New Features

Batt Life app---Battery optimization

Android's "Battery Saver" mode curtails functionality in order to conserve battery life. However, it also reduces functionality by turning off apps that an administrator might want to remain operational. Such applications must be "whitelisted". See **Settings> Battery> [3 vertical dots]> Battery optimization**. Several Spectralink apps are on the whitelist. These apps operate under the covers and are vital to the functionality of Versity. They are: SAM Client, Sys Updater, and Web API.

The Versity User Guide warns Versity users not to use battery saver mode but administrators should be aware that the option to do so cannot be disabled.



Caution: Whitelisting apps increases battery usage

Be aware that apps added to the white list to bypass Battery Optimization will increase battery usage by staying awake. Ensure your users have extra batteries available and know how to do a Hot Swap.

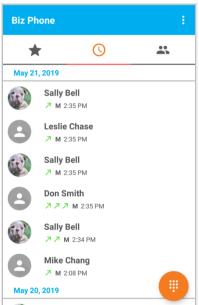
Biz Phone app

Several improvements

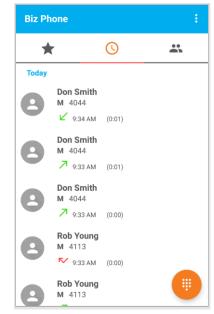
In response to customer requests, a number of minor yet important adjustments have been made to improve the way Biz Phone behaves:

• Improvements to call log display to show sequential calls to/from the same number in one log entry. Screenshots show UI difference between 1.5 and 1.4 software.

1.5 One log entry for Don Smith

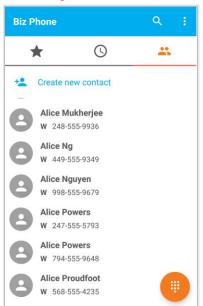


1.4 Multiple entries for Don Smith

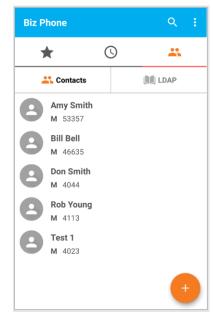


• Improvements to floating dialer button to display on Contacts screen. Screenshots show UI difference between 1.5 and 1.4 software.

1.5 Floating dialer button

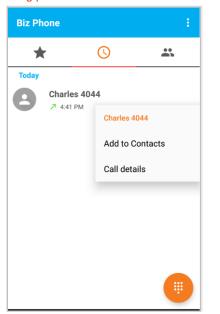


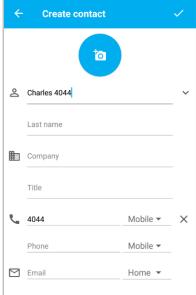
1.4 Add Contact button



• Improvements to the way a PBX-provided first name populates the Contacts app

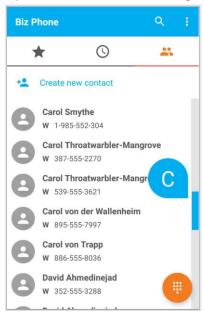
Long press to add a recent call to Contacts—populates first name as shown





Introduce an alphabetized scroll bar for Contacts

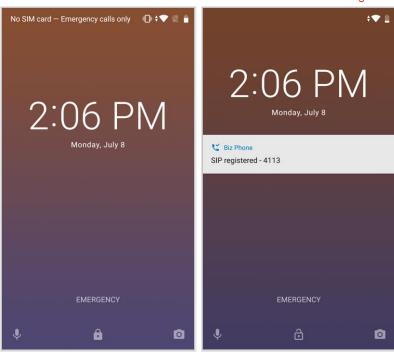
Alphabetized scroll bar is on the right side of the screen. The letter C identifies the scroll position.



SIP registration message no longer displayed on the lock screen with PIN/patter/password. Screenshots show UI difference between 1.5 and 1.4 software

1.5 lock screen is blank

1.4 lock screen with SIP registration message

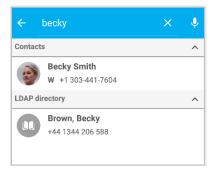


• Voicemail (Message Waiting) notification does not clear until the message is read.

- Administrator can now disable call waiting so that a second incoming call to Registration
 1 will get a busy tone and a missed call indicator will display.
- The contacts app uses a white star to designate a Favorite, not a red star.
- The SIP field no longer appears in the Biz Phone Create contact screen since Biz Phone does not use it.
- User has the ability to delete voicemail from device or server

Change to Contacts/LDAP search UI

The search function now returns with names from both local contacts and the corporate LDAP directory. The two types of contacts are no longer displayed on separate screens.



DND can be disabled

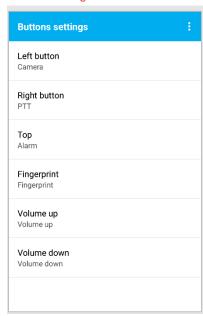
In response to customer request, an option for administrators to disable DND has been added to Registration 1 and 2 admin menu settings.

When DND is disabled, it no longer appears in the Quick access menu.

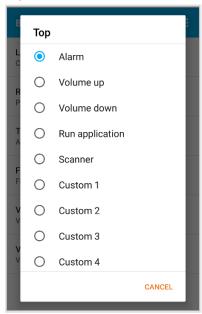
Buttons app—options added

Four custom button options have been added to the Buttons app. The administrator can now take control of the Buttons app and assign button functions that the user cannot change.

Buttons settings



Top button selected



VQO app---RSSI threshold default value

Default background roaming value (RSSI threshold) is increased to -67 to improve roaming performance without impacting battery life.

Platform—Host name now published

Versity hostname is published as android_<mac>. E.g. "android_00907aa7dd50"

Fixed Issues

Area/App	Description	Reference
Biz Phone	Improvement in Biz Phone performance when using TCP.	E-1025
Biz Phone	Issues with secure launcher solved with update to EMM secur launcher software.	E-1037
Biz Phone	Slow audio at start of call corrected.	E-1109
Biz Phone	Call audio fully restored after a long handoff.	E-1113
Biz Phone	Removing phone from charger no longer affects ringing behavior.	E-1163
Logging	Prior to R1.5.x, when newer apps were loaded on an older version of the platform code, the phone could crash. With 1.5 and later, no crash will occur. However since the platform code does not "know" about later apps, they will not function correctly. Always update Versity code to the newest version to run the most recent version of Spectralink apps.	E-1164
Platform	When using an auto-grant permission policy with an EMM, the WRITE_EXTERNAL_STORAGE permission is not granted within an app when	E-1176

Area/App	Description	Reference
	the READ_EXTERNAL_STORAGE permission is granted first. Google is aware of this issue, defines it as a known limitation of the current permission model in Android, and is not specific to Versity. It has been fixed in Android Q, but since it does not pose a security issue, there won't be a backport to older OS versions. Google advises to not use permission policies from an EMM, but to instead, explicitly set the grant state on all runtime permissions from an EMM.	
Platform	Code creating malformed header was corrected and phone no longer crashes when a ">" is included in the display name in the header.	E-1210
SAFE	The SAFE icon displays as paused when no sensors are being monitored.	AP-813
Web API	Non-critical alerts no longer open WebView.	E-1169
Web API	Web API passwords are obscured.	E-1197

App Versions

Spectralink releases include updated versions of Spectralink apps. The list below lists all the Spectralink apps shipped with the current release and their versions.

Арр	Version
Batt Life	6.3.11964
Biz Phone	6.4.12398
Buttons	6.3.11979
Device	6.3.11973
Lens Grid	6.3.11981
Logging	6.3.11960
PTT	6.4.12273
SAFE	6.3.11967
SAM Client	6.3.11977
Sys Updater	6.3.11970
VQO	6.3.11968
Web API	6.3.11963

Chapter 10: Versity Software R1.4.0.1124

This release includes these software versions:

- Handset version: 1.4.0.1124
- SAM version: Any post-1.0.x release supports the new parameters in Versity 1.4.0.1124 except as indicated.

Your Spectralink support representative will guide you through software release installations as needed.



Settings: Updating Versity to the current release

This release can be used to update any Versity currently running R 1.0.0.784 or later. It is posted on the Spectralink Support website in two different file types—incremental files and a full file.

An incremental release is used to update code to the next released version. It is a smaller file with a faster download time and recommended for incremental updates. Incremental releases are provided for 1.0.0.784 and 1.2.0.934. Use the appropriate incremental file for your current release.

Full OTA download files should be used only by direction of Spectralink Support. It is provided on the support site only for support reasons.

If your Versity smartphones are running an earlier version, or a different version, please contact your Spectralink support representative for instructions on how to get on the latest version.



Settings: Use full file name for Sys Updater relative path setting

You must use the full filename in the relative path setting whether you are updating manually or using the SAM server. E.g.

/[server_name]/apollo-ota_update-signed-1.4.0.1124.zip

New Features

Device app—Add Owner info fields

SAM and notification improvements

In order to provide a friendly way to identify device owners in SAM and notifications, Versity can now display device owner information in the notification drawer and on the Device app menu.

Device Owner info is configurable through SAM, not in the Device app or EMM. See the Spectralink Administration Management Guide for information about configuring these parameters in SAM.

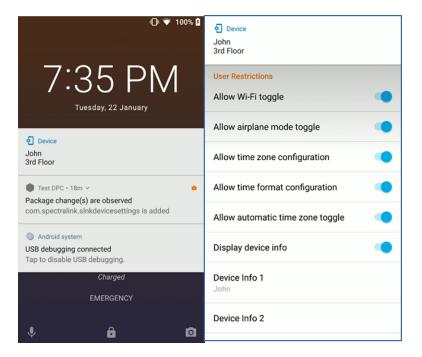
Sample key value pairs:

• owner info: John Doe

device_info_1: building 4

• device_info_2 : 3rd Floor

device_info_3: East Wing



Sys Updater app—OTA enhancements

(App version 5.3.9297 and greater)

SAM improvements:

Forced reboot—after phones are deployed, it is up to the user to reboot the phone to apply the updated version. Now SAM offers an option to force the reboot after an OTA update. Since this is an enhancement for R1.4, it will only work for phones that have already updated to the 1.4 code. See the Spectralink Administration Management Guide for information about configuring and using this parameter in SAM.

Using SAM polling method—if the phone is rebooted during an OTA update, the download will now continue when the phone comes back up.

UI improvements:

Update notification—after phones are deployed, it is up to the user to reboot the phone to apply the updated version. The notification reboot prompt has been changed to high priority and now uses sound and vibration reminders (unless user has opted for "alarms only".

Already up-to-date notification—has been removed from the notification drawer and unnecessary noise. However it can be seen in the app UI.

Sys Updater sync—when server connection is lost during an update and then regained, the user will be prompted to reboot the phone to apply the update.

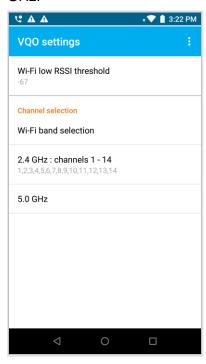
VQO app—RSSI threshold, Wi-Fi band and channel selections

Settings improvements

After extensive testing in Spectralink labs and in the field, the RSSI threshold for standby has been lowered from 75dbm to 67dbm as the default value. This value will be automatically applied when the phone is rebooted after the software update is downloaded.

Wi-Fi channel selection is added to the VQO settings menu. This feature allows Versity to roam more efficiently, not searching for bands/channels that are unavailable.

Wi-Fi bands (5.0 GHz, 2.4 GHz or both) are selectable and channels may be selected for 2.4 GHz.



Fixed Issues

Area/App	Description	Reference
Apps	EMM compatibility improvements	E-1039
Biz Phone	Enable login/out of hunt group for users when starting/ending work shifts	E-1040
Biz Phone	Incoming call improvements	E-1152
Biz Phone	Avaya interoperability improvements	E-1116
Biz Phone	UI improvements	E-1090
Biz Phone	Notification UI improvements	E-1078
Biz Phone	Swipe to answer/reject call modified due to unintended answers	E-1076
Buttons	Enable remote Button configurability	E-1053

Area/App	Description	Reference
Logging	Improvements on device logging capabilities for better serviceability/ and resolve issues	E-1138
Platform	Change roaming sensitivity improve the phone's roaming and call performance	E-1133
Platform	Add quiet mode option to startup sequence	E-1115
Platform	Add lockscreen info to custom settings	E-1058
Platform	Improve robustness	E-1170
Platform	NFC robustness improvements	E-1139
Platform	Proximity sensor improvements	E-1111
Platform	Google NTP server compatibility improvements	E-1107
Platform	Samsung USB thumb drive compatibility improvement	E-1080
Platform	Improve call robusticity	E-1026
Platform	Improve Hot-Swap experience	E-1124
Sys Updater	New option for enabling users to report issues with handset behavior	E-1121

Known Issues

Area/App	Description	Fix	Reference
Battery	Non-linear battery gauge	Hardware	E-1030
Battery	Some incorrect values in logs and other anomalies	Investigating cause	
Logging	Too much unnecessary info	Manage Android filters	

App Versions

Spectralink releases include updated versions of Spectralink apps. The list below lists all the Spectralink apps shipped with the current release and their versions.

Арр	Version
Batt Life	5.3.9784
Biz Phone	5.4.10239
Buttons	6.0.10440
Device	5.4.10235
Lens Grid	5.4.10240
Logging	5.4.10026
PTT	5.3.9786
SAFE	5.3.9787
SAM Client	5.3.9301
Sys Updater	5.3.9546
VQO	5.3.9778
Web API	5.4.10242

Chapter 11: Versity Software R1.3.0.1013

This release includes these software versions:

- Handset version: 1.3.0.1013
- SAM version: Any post-1.0.x release supports the new parameters in Versity 1.3.0.1013 except as indicated.

Your Spectralink support representative will guide you through software release installations as needed.



Settings: Updating Versity to the current release

This release can be used to update any Versity currently running R 1.0.0.784 or later. It is posted on the Spectralink Support website in two different file types—incremental files and a full file.

An incremental release is used to update code to the next released version. It is a smaller file with a faster download time and recommended for incremental updates. Incremental releases are provided for 1.0.0.784 and 1.2.0.934. Use the appropriate incremental file for your current release.

Full OTA download files should be used only by direction of Spectralink Support. It is provided on the support site only for support reasons.

If your Versity smartphones are running an earlier version, or a different version, please contact your Spectralink support representative for instructions on how to get on the latest version.



Settings: Use full file name for Sys Updater relative path setting

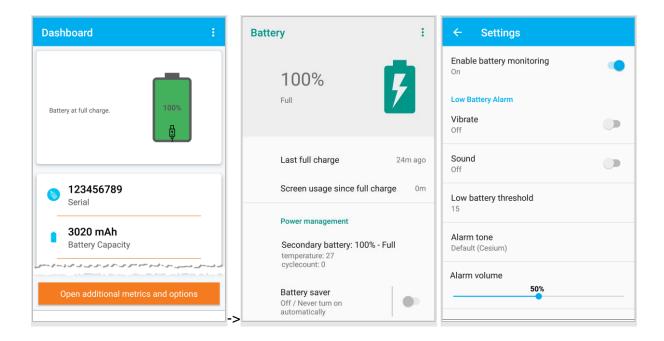
You must use the full filename in the relative path setting whether you are updating manually or using the SAM server. E.g.

/[server_name]/apollo-ota_update-signed-1.3.0.1013.zip

New Features

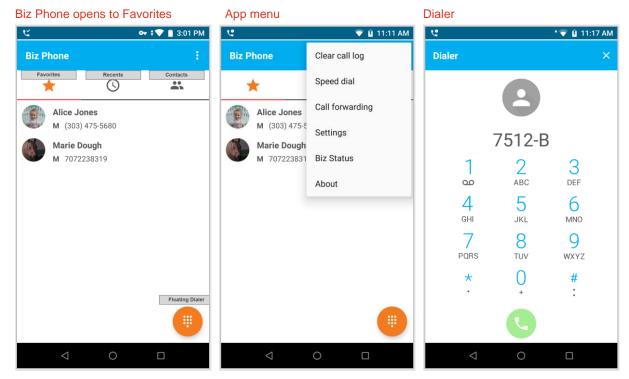
Batt Life—New application

The Batt Life application displays the current condition of the battery and allows the user to adjust charge alerts. See the *Versity User Guide* for details. At this time, the Batt Life application is end user only and not controlled or viewable by SAM.

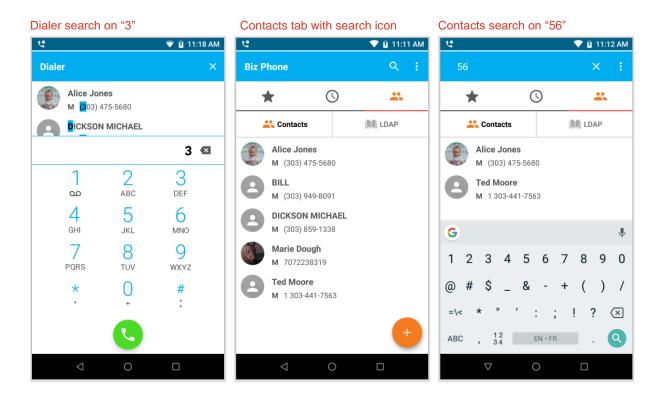


Biz Phone—Revised UI

For ease of user acceptance, the Biz Phone application has been revised to align with the current Google phone app. The Biz Phone app now opens to the list of contacts with a floating dialer button on the lower right. Recents and Contacts are accessed through the tabs as before, but Contacts now have two tabs—one for local contacts and one for LDAP. An option on the app menu provides access to Biz Status. See the *Versity User Guide* for details.

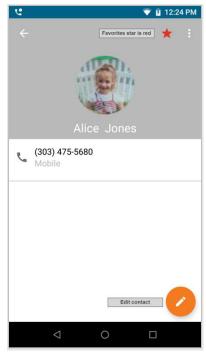


Functionality is very similar to earlier versions but the Contact and Dialer Search functions are easier and guicker.



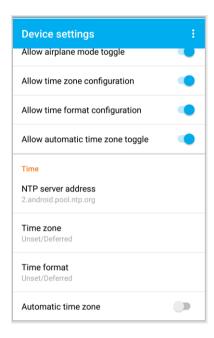
Contacts are easily edited. Long press the Contact to open it. Tap the star to turn it red. Red starred Contacts are listed on the Favorites tab. Tap the Note icon to edit the contact's information.

Create Favorites and edit Contacts



Device app—New time settings

Time settings have been added to the Device Settings app. These can be allowed at the user level or controlled by administrative settings. New options are: Time zone, Time format and Automatic time zone. See the *Applications Administration Guide* for details.



Barcode app—New symbologies and features

A new feature allows the use of the Enter key to move to the next field to be populated by scanning. Implementation depends on the app being used. See the *Applications Administration Guide* for details.

New symbology and compatibilities include:

- 100% backward compatible with PIVOT
- ISBT 28 support enabled
- Interleaved 2 of 5 lengths enabled
- EAN-8 Check Digit transmission enabled as on by default
- Inverse 1D enabled with Dark on Light (default) or Light on Dark or Either.

Logging app—New Advanced debugging

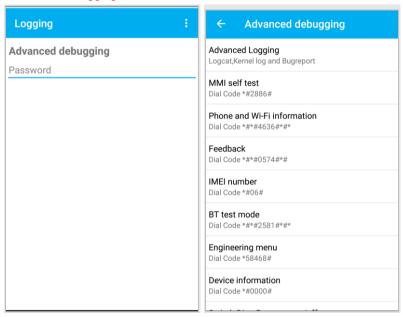
Advanced debugging is a new setting in the Logging app designed to assist the collection of data for debugging phone issues when they occur in the field. The default settings password for Advanced debugging is "admin". From the Advanced debugging menu you can collect these data:

- Enable logcat collection
- Take bugreport
- Easily transfer debug files to/from the Versity smartphone
- Print the contents of network packets to pcap file that can be analyzed using wireshark parsing tool

- Use QXDM Qualcomm Extensible Diagnostic Monitor is real-time low-level collection and diagnostic tool for capturing performance data for LTE, Wi-Fi, Audio, Bluetooth, GPS, and Sensors.
- Password protect zip files
- Configure HTTP or HTTPS server for continuous uploads of logging files
- And more

See the Applications Administration Guide for details.

Advanced debugging menus



Sys Updater app—New features to help ensure updates are installed.

Two new features have been added to the Sys Updater app to help the administrator get updates installed on deployed phones. Now there is a persistent notification to the user to install downloaded updates. If using SAM, the administrator can force update installation. See *Spectralink Application Management Guide* for details.

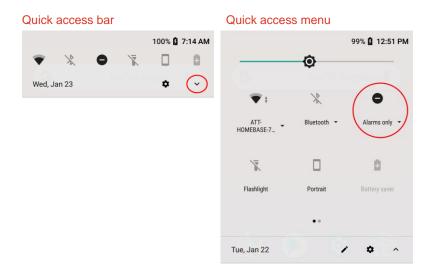
Platform—Boot sound has been removed

Spectralink customized Versity for enterprise environments by silencing bootup. The boot tune was removed to accommodate environments where booting the phone could be disruptive (e.g. patients sleeping, meetings in progress, etc.).

Platform—Set DND using the quick access menu

To prevent unintentional activation, Spectralink further customized Versity for enterprise environments by changing the Google default behavior of automatically enabling Do Not Disturb

(DND) when the volume down button is pressed below the mute/vibrate level. Use the quick access bar to intentionally set and clear DND. Use the quick access menu to change DND settings. The quick access bar is displayed when you swipe down the status bar. The quick access menu is accessed tapping the quick access menu downarrow to the right of the settings icon. See the *Versity User Guide* for details.



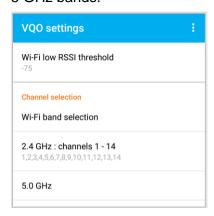
VQO app—New band and channel selections

Band selections and channel selections have been added to the VQO app. Setting band and channels can make scanning more efficient by eliminating the unavailable band and/or channels. See *Spectralink Applications Administration Guide* for details.

Note that the phone will always enforce regulatory restrictions and override any settings that would not be proper for the current regulatory region.

Band selection: New options allow you to Enable/Disable Auto, 2.4 GHz and 5 GHz bands.

Channel selection: New options allow you to Enable/disable specific channels within the 2.4 and 5 GHz bands.



Fixed Issues

Area/App	Description	Reference
Barcode	Add EAN-8 barcode check digit option to SAM and Service	AP-1665
Barcode	Add backward compatibility and basic functionality	AP-1507
Barcode	Barcode current does not drop back down to Suspend levels after enabling Barcode with SAM Server	AP-1391
Batt Life	Snooze time is incorrect when screen is locked	AA-1436
Batt Life	Alarm goes off only at 15% even if set for 20%	AA-1413
Batt Life	PTT audio stops when the alarm goes off	AA-1412
Biz Phone	Unable to answer call sometimes	ES-1114
Biz Phone	Crashed after call sometimes	ES-1110
Biz Phone	Can't answer incoming call sometimes	ES-1108
Biz Phone	In-call notification continues to show after a call is completed	ES-1104
Biz Phone	SIP dialer app opens when Contacts apps is selected	ES-1090
Biz Phone	Redesign Contacts directory searching	ES-1045
Biz Phone	Incoming caller ID retained from previous call and does not show current call	ES-1034
Biz Phone	Call notification is not synced with call behavior	AA-1532
Biz Phone	Phone stuck with incoming call notification that can't be answer/dismissed if INVITE received with SDP that doesn't match a configured codec	AA-1474
Biz Phone	Simplify Call Park notification	AA-1466
Biz Phone	When declining a call while already in a call and another app, the handset no longer shows the app	AA-1462
Biz Phone	Mute not functional on Multi-call screen - though it looks as if it is	AA-1415
Biz Phone	Align reboot banner with similar Android apps	AA-1323
Biz Phone	Make the Dialer screen a floating tab/button and introduce Starred contacts tab	AA-1153
Biz Phone	Cannot disable DND through the notification	AA-1509
Logging	In languages other than English, Advanced Logging works incorrectly	AP-1503
Logging	Syslog stopped logging in some situations	AP-1316
Platform	Cisco CUCM- loss of call progress tones	AA-1495
Platform	Phone losing IP connectivity on specific SSID	AP-1462
Platform	HTTP ping response stopped after 15 minutes	AP-1426
Platform	Phone losing IP connectivity	AP-1252
Platform	PTT - bad jump in received missed frames due to roams	AP-1388
Platform	Returning to In-range from Out-of-range in standby takes 2-3 minutes before icon changes	AP-1042

Area/App	Description	Reference
Platform	Cisco WebEx Teams (formerly Spark) - audio was not flowing sometimes	AP-1012
Platform	Handoff messages report channels incorrectly sometimes	AP-986
Platform	Implement detection for PTT in the VQO app	AP-764
Platform	Adjust software transmit power limit settings when antenna design complete	AP-603
Platform	Notification showed call on hold while call was active	AA-1523
Platform	Snooze is not updated on the notification drawer	AA-1450
Platform	Versity reboots while idle	AP-1660
Platform	WebAPI: Phone rebooted while trying to poll the device	AP-1560
Platform	Phone rebooted right after answering a Biz Phone call.	AP-1559
Platform	Large audio gaps while in call	AP-1621
Platform	Band selection is not blocking channel usage during roaming	AP-1618
Platform	Versity rebooted after ending a call (Disable ImplicitQoS)	AP-1568
Platform	Audio holes in call using specific SSID	AP-1483
Platform	Investigate LTE data usage issue	AP-1686
PTT	Gap in PTT audio after roam	AP-1380
SAM Client	Send Heartbeat to SAM if IP address change is detected.	AA-1446
SAM Client	Upgrade SAM Client and WebAPI library to prevent vulnerabilities (i.e. CVE-2012-0053)	AA-1365
SAM Client	Remote Heartbeat triggers do not work after inputting SamClient settings, (manually or EMM) unless removed from recent list or rebooted.	AP-1443
SAM Client	SAM client stopped sending heartbeats	AP-1438
SAM Client	"can't find SAM certificate" type error due to VPN?	AP-1327
Sys Updater	OTA not working over VPN	AP-1326
Sys Updater	OTA Sys Updater decision making is broken	AP-1202
Web API	Media volume changes after a push with/without volume tag	AA-1448

Known Issues

Description

The Logging app sometimes stops when going from out of range to in range. (AP-1747) Workaround: Reopen the app and restart whatever logging process was stopped. Update to new version when available.

The Biz Phone app might auto-populate Favorites randomly (AA-1608) Update to new version when available.

Description

LTE-enabled: caller names can disappear from Biz Phone logs after making a call with the Goggle dialer. (AA-1608)

Update to new version when available.

App Versions

Spectralink releases include updated versions of Spectralink apps. The list below lists all the Spectralink apps shipped with the current release and their versions.

Арр	Version
Biz Phone / Biz Status	5.1.8092
PTT	5.1.8084
SAFE	5.1.8086
VQO	5.1.8100
Web API	5.1.8082
Logging	5.1.8071
Sys Updater	5.1.8073
Buttons	3.4.2740
Lens Grid	3.4.2740
SAM Client	5.1.8097
Device	5.1.8075
Batt Life	5.1.8080

Chapter 12: Versity Software R1.0.0.784

Release Notes for the Spectralink Versity smartphone covers issues affecting the first generally available release of the code—including relatively minor known issues that may be corrected in future planned releases.

Current release information

This release includes these software versions:

Handset Version: 1.0.0.784

Your Spectralink support representative will guide you through software release installations as needed.



Settings: Updating Versity to the current release

This release can be used to update any Versity currently running R 1.0.0.741 ONLY. It is posted on the Spectralink Support website in two files—an incremental file and a full file.

An incremental release is used to update code to the next released version. It is a smaller file with a faster download time and recommended for incremental updates.

Full OTA download files should be used only by direction of Spectralink Support. It is provided on the support site only for support reasons.

For any Versity currently running R 1.0.0.741, use the incremental release file: apollo-ota_update-signed-1.0.0.741-to-1.0.0.784.zip

If your pre-release phones are running an earlier version, please contact your Spectralink support representative for instructions on how to get on the latest version.



Settings: Use full file name for Sys Updater relative path setting

You must use the full filename in the relative path setting whether you are updating manually or using the SAM server. E.g.

/[server_name]/apollo-ota_update-signed-1.0.0.741-to-1.0.0.784.zip

Current release

The first release of Versity software introduces Versity to the customer. You will find that the function of the smartphone aligns with Google's Android 10 release and has all the advanced features incorporated in the Android 10 release. It also is restricted by the few limitations inherent in the Android 10 release. Most questions about Android 10 can be answered on Android websites. Concerns that are pertinent directly to Versity are outlined here.

Misc

- If not using an EMM to manage apps from the Google Play store: The Google Play Store
 only updates applications when the phone is plugged in. Because Versity uses hot swap
 to replace a battery without losing functionality, it's possible for the phone to rarely be
 plugged in. The user will be notified that some updates are available, and the user can
 either plug the phone in or manually "install now" from the Play store app.
 - Apps "pushed" by an EMM will be updated by the EMM and do not suffer this limitation.
- USB On-the-GO (OTG): Use of uncertified cables may result in OTG not working properly. Only use certified cables and adapters.
- When the camera app is in use, it is possible for the camera to draw too much current to allow the hot swap mechanism to function properly, resulting in the phone shutting down immediately when the battery is removed. Avoid hot swapping the battery while the camera app is in use.
- The VQO application crashes when the language is set to other than English, use SAM to configure it, or temporarily switch to English.
- The battery usage percentage reported in the battery settings for Spectralink applications is incorrect. The same percentage is shown for most applications, even if they are not used. This is a normal side effect of the tight integration between those applications and the Android platform.

Audio

 When using PTT, if you experience audio gaps after roaming, configure the VQO application "standby threshold" to 65.

Networking

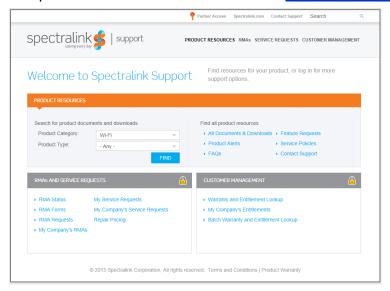
- OTA updates are not allowed when using LTE to prevent excessive use of user data.
 OTA updates do not currently work on Wi-Fi if a VPN connection is used to access the server. Remote workers will need access to a local HTTP server which can download the OTA image from Spectralink's website.
- Syslogging consumes LTE data (even if the server is not reachable). Spectralink
 recommends that syslogging be disabled for LTE users until such time that an option to
 disable syslog over LTE is available.
- On Cisco Wireless Controllers, Aironet IE should be enabled if using 80 Mhz bandwidth for channels 100 to 144.
 - Aironet IE is a Cisco proprietary attribute used by Cisco devices for better connectivity. The Cisco Client Extensions (CCX) clients use this information to choose the best AP with which to associate.

If Aironet IE is disabled, Versity may experience longer than normal handoffs for channels (100 to 144). Long handoffs would result in audio drop outs. Ref: https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-8/config-guide/b_cg88/per_wlan_wireless_settings.html

- Voice traffic may not always be prioritized properly when WMM-AC is enforced for voice, which may result in slightly degraded voice quality in high Wi-Fi traffic conditions.
- If a network utilizes only channels not allowed in the US (e.g. only channel 13), the phone will not discover the network. The workaround it to enable at least one channel that is valid in the US for the network to be recognized.
- A reboot is required for an NTP address entered in the Device application to take effect.
- If the user manually sets the SAM release interval below 15 minutes, SAM will override it back to 15 minutes but this is not shown in the UI.

Appendix A: Spectralink References

All Spectralink documents are available at http://support.spectralink.com.



To go to a specific product page:

Select the Product Category and Product Type from the dropdown lists and then select the product from the next page. All resources for that particular product are displayed by default under the "All" tab. Documents, downloads and other resources are sorted by the date they were created so the most recently created resource is at the top of the list. You can further sort the list by the tabs across the top of the list to find exactly what you are looking for. Click the title to open the link.

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Specific Documents

Spectralink Versity software and support documents are available on the Spectralink support site at http://support.spectralink.com/versity. Not available for BETA.

Spectralink SAM software and support documents are available on the Spectralink support site at http://support.spectralink.com/sam. Not available for BETA.

Release Notes accompany every software release and provide the new and changed features and resolved issues in the latest version of the software. Please review these for the most current information about your software.

Spectralink Versity Deployment Guide provides a high-level overview of the deployment process for Spectralink Versity smartphones. This includes the interface with an EMM, the method for getting Versity connected to the wireless LAN, and the interface with the Spectralink Application Management (SAM) server.

Spectralink Applications Management Guide The Spectralink Applications Management (SAM) Administration Guide provides information about every setting and option for the Spectralink applications that are available to the administrator on the SAM server. Time-saving shortcuts, troubleshooting tips and other important maintenance instructions are also found in this document.

The Spectralink Applications Administration Guide describes each Spectralink app and lists each parameter configured for each app. [not yet released]

The *Spectralink Versity User Guide* offers comprehensive instructions for using each of the Spectralink Applications deployed on the handsets.

For information on LTE technology and carrier interoperability, see the *Spectralink Versity Smartphone LTE Carrier Interoperability Guide*

For information on IP PBX and soft switch vendors, see the *Spectralink Call Server Interoperability Guide*.

Technical Bulletins and Feature Descriptions explain workarounds to existing issues and provide expanded descriptions and examples.

AP Configuration Guides explain how to correctly configure access points and WLAN controllers (if applicable) and identify the optimal settings that support Spectralink Versity smartphone. You can find them on the *VIEW Certified* webpage.

White Papers

Spectralink White Papers are available at https://www.spectralink.com/resources/white-papers-ebooks?page=1.

For details on RF deployment please see *The Challenges of Ensuring Excellent Voice Quality in a Wi-Fi Workplace* and *Deploying Enterprise-Grade Wi-Fi Telephony*.

These White Papers identify issues and solutions based on Spectralink's extensive experience in enterprise-class Wi-Fi telephony. They provide recommendations for ensuring that a network environment is adequately optimized for use with Spectralink devices.

Appendix B: Products Mentioned in this Document

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