



Spectralink Versity Smartphone

## Release Notes

Spectralink Versity 92 Series

Release 1.3.1.865

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## Warranty

The *Product Warranty and Software License and Warranty* and other support documents are available at <http://support.spectralink.com>.

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# Introduction to Versity 92 Series

The Spectralink Versity 92 Series smartphone is an addition to the Spectralink family of smartphones.

Versity 92 Series software is based on the Android 10 OS. 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.

Like other Versity models, the Versity 92 Series models are designed to function in today's inter-connected workspace using a smaller footprint. It leverages the versatility of a customer-provided EMM (Enterprise Mobile Management) system for workplace management of Versity within the greater infrastructure.

The Versity 92 Series utilizes AMiE (Advanced Mobile Intelligence for Enterprises) and Spectralink Application Management (SAM) to provide unparalleled precision in configuring and managing Spectralink devices and applications. Versity, AMiE 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
- 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 10 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.

### **VQO**

Voice Quality Optimization (VQO) app is Spectralink’s application for optimizing audio and video calls from Spectralink dialers or other third-party dialers.

## 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 Software Release Version

### Platform version

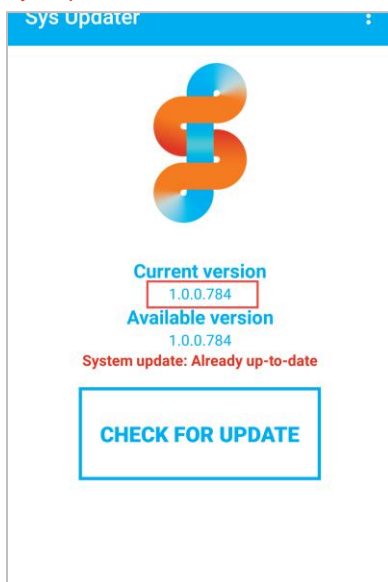
Versity offers several ways to determine what Spectralink software release is being used by the platform.



Open the Sys Updater app. The Current version and any 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 overflow menu and the Settings option to open the Settings menu for more information about the server.

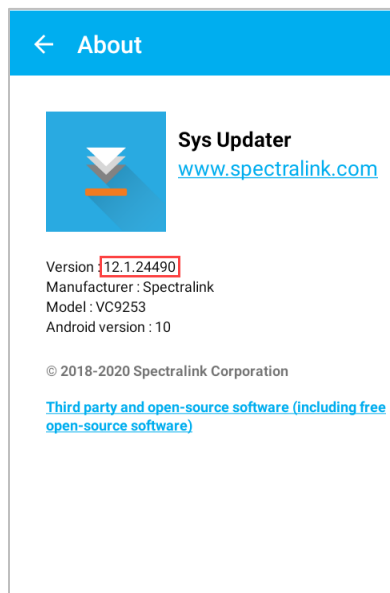
Sys Updater Version screen



Code can also be displayed in the Android Settings app. Navigate to **Settings> System> About phone> Build number**.

## 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.



## Android 10 Notes

The first release of Versity 92 Series software introduces this latest Spectralink smartphone 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 that 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 92 Series are outlined here.

### Misc

- **USB On-the-GO (OTG):** Use of uncertified cables may result in OTG not working properly. Third party accessories such as keyboards or a mouse may not work if an incorrect cable is used to connect to the phone's USB port. When buying these products, look for "Benson Approved" and "OTG" cables. Any cables or adapters must be USB certified and built to the USB C specification.

### Networking

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 92 Series may experience longer than normal handoffs for channels (100 to 144). Long handoffs would result in audio drop outs.



- 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 is 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.
- When using Bluetooth for audio it is highly recommended to configure the Wi-Fi deployment to be 5GHz only.
- If PMF is enabled, then FT needs to be enabled to avoid unnecessary handoffs.

# Chapter 1: Versity 92 Series Software

## R1.3.1.865

The R1.3.1.865 release follows Google's best security practices. Release 1.3.1.865 contains the Android applied cumulative patches to July 5, 2021.

This release is based on R1.3.0.798.

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

This release includes these software versions:

- Handset version: 1.3.1.865

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 92 Series currently running R1.1.0.448. 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 1.3.0.798 to 1.3.1.865 use file `orion-ota_update-signed-1.3.0.798-to-1.3.1.865.zip`.

An incremental update file to R1.3.1.865 has been provided for phones currently running R1.2 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, 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 92 Series Software R1.3.0.798

This release includes these software versions:

- Handset version: 1.3.0.798
- 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 92 Series currently running R1.1.0.448. 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 R1.2.0.611 to 1.3.0.798 use file `orion-ota_update-signed-1.2.0.611-to-1.3.0.798.zip`.

An incremental update file to R1.3.0.798 has been provided for phones currently running R1.2 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, please contact your Spectralink support representative for instructions on how to get on the latest version.

## Enhancements and New Features

### Versity 92 Series and Android 10

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

### WEP security method

WEP security method is deprecated for all Versity products.

## Batt Life

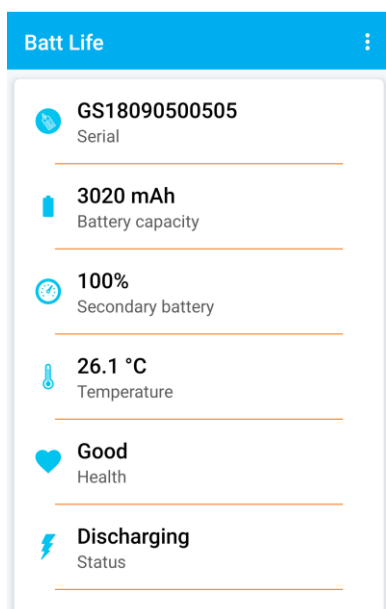
Add degrees °F temperature display. APPS-3433

### Use guidelines

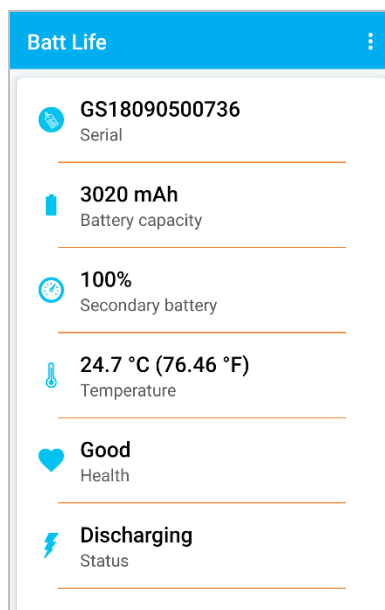
These are battery temperature guidelines excerpted from the *Versity User Guide*.

- 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).

Batt Life temp in R1.2



Batt Life temp in R1.3



## 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

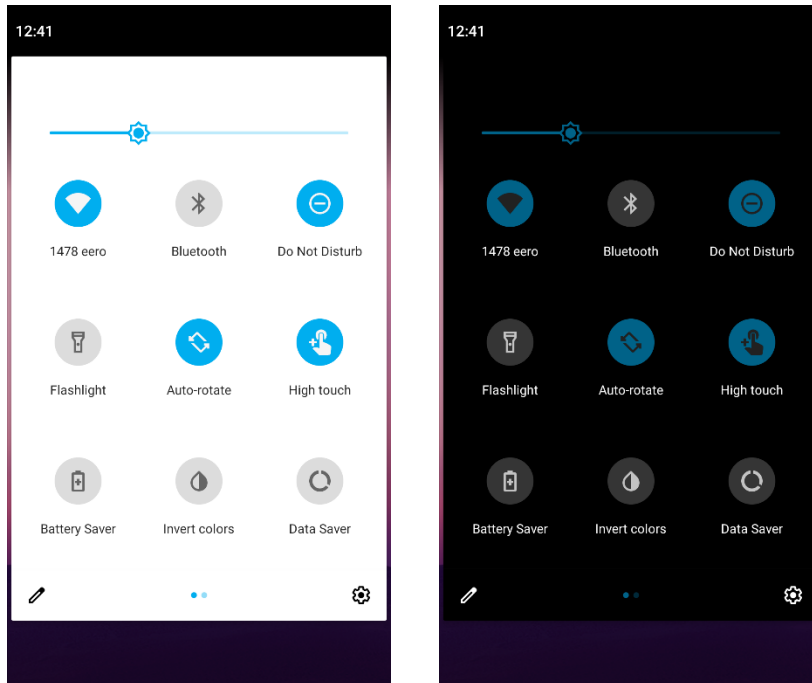
### Quick settings tiles

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.

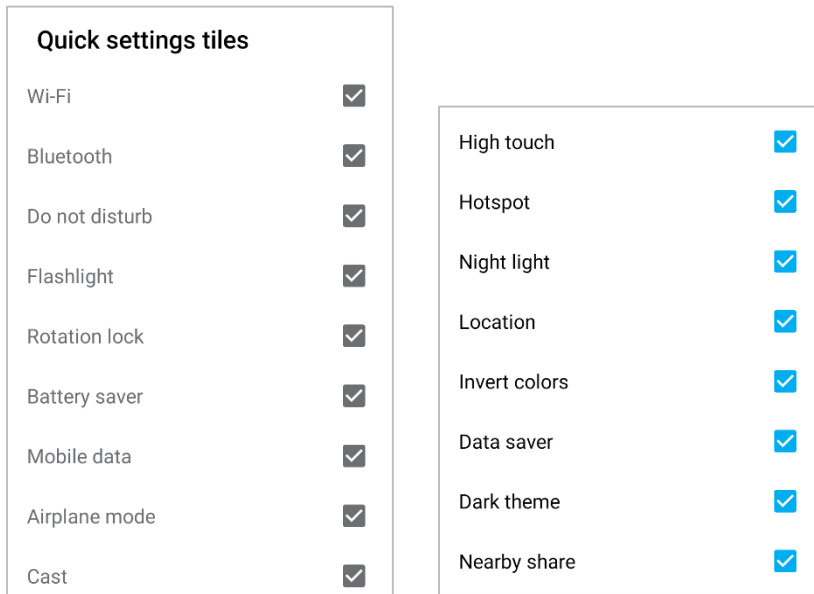
Dark Theme is on the right



#### 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.

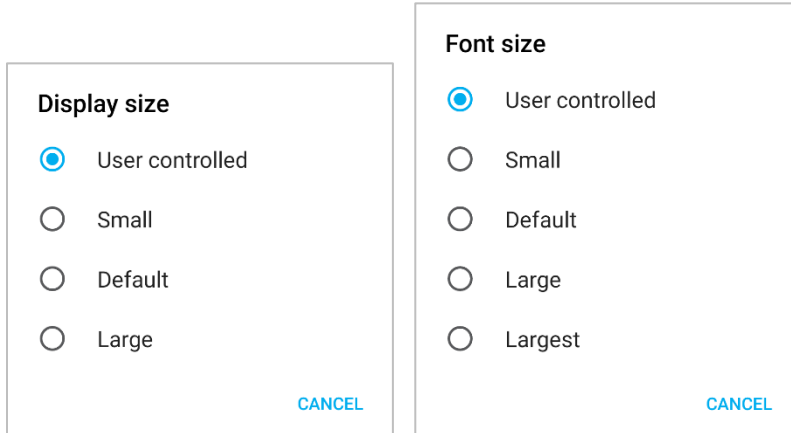


### Battery optimization “allow” list

No longer “white” list.

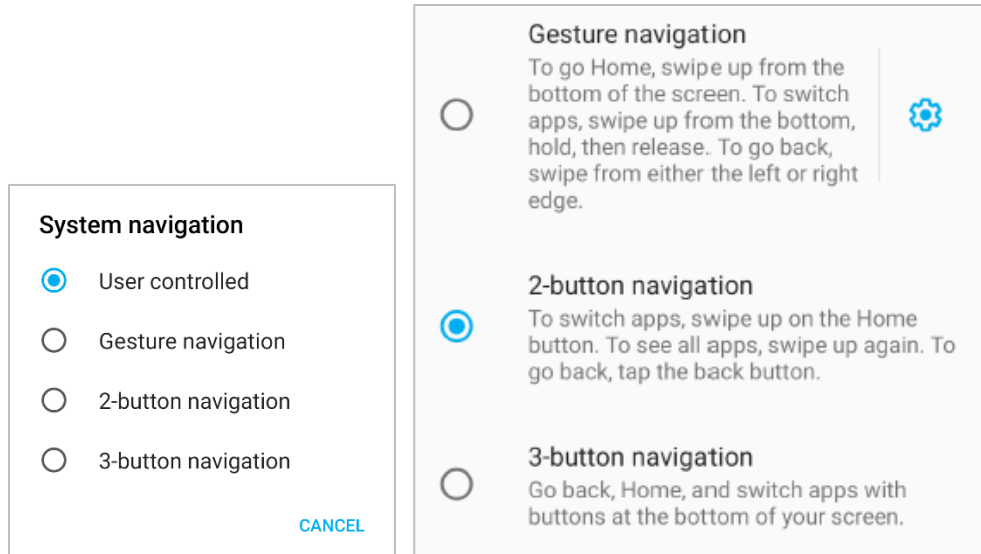
### Display

Display and font size options under new Display section. ESCWIRE-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:

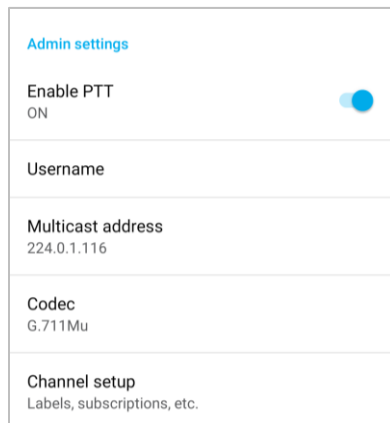


Spectralink 92xx models have two navigation options: Gesture Navigation and 2-button navigation. If 3-button is selected in SAM/EMM, these models will use 2-button.

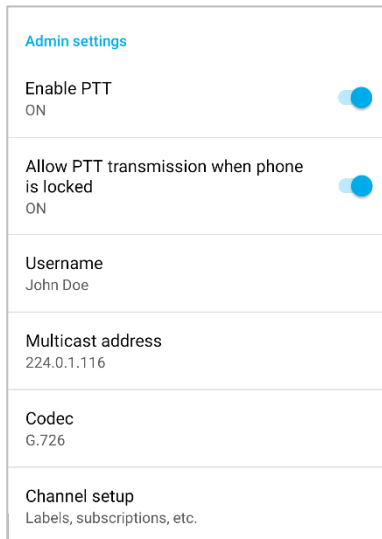
## PTT

Added option: Allow PTT transmission when phone is locked. This is an added convenience/speed but permits possible unauthorized use.

PTT Admin settings in R1.2



PTT Admin settings in R1.3



## Known Issues

App	Description	Ref
AMIE Agent	AMIE Agent may not work across VPN-over-Wi-Fi unless Metered network is enabled.	ESC-1572
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 from 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.	ESC-1570

## Fixed Issues

App	Summary	Key
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	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
Diagnostics	Diagnostic app no longer crashes when accessory test is selected.	OR-4385
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
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
VQO	VQO channel selection not working. Auto-select only.	OT2M-617



# Chapter 3: Versity 92 Series Software

## R1.2.0.611

This release includes these software versions:

- Handset version: 1.2.0.611
- 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 can be used to update any Versity 92 Series currently running R1.1.0.448. 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 R1.1.0.448 to 1.2.0.611 use file `orion-ota_update-signed-1.1.0.448-to-1.2.0.611.zip`.

An incremental update file to R1.2.0.611 has been provided for phones currently running R1.1 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, please contact your Spectralink support representative for instructions on how to get on the latest version.

## **Enhancements and New Features**

### **Barcode**

Advanced Data Formatting added to ScanFlex. AP-7408

### **Device Settings**

A Sounds option allows an administrator to select the types of sounds that are permitted for each sound category and change the default sound for each.

## Diagnostics (new app)

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.

## Sound Stage (new app)

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.

## Wi-Fi performance optimizations

For R1.2 fixes and improvements have resulted in a better customer experience.

R1.2 includes fixes and improvements to PEAP.

Spectralink strongly advises that R1.1 customers upgrade to R1.2 if using PEAP.

## Known Issues

### Sound Stage 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.

### Platform issues

OT2M-612 Reboot events have been observed in rare situations.

OT2M-626 Signaling latency has been observed in rare situations.

## Fixed Issues

<i>App</i>	<i>Description</i>	<i>Issue</i>
Logging	Info only, not a bug. When accessing logcat files on a computer you may need to do a mtp refresh. Close and open the service again to get the expected output.	OR-2555
Log ging	Info only, not a bug. When using a logging server: If WLAN logging upload is enabled (which it is not by default) it will generate 7Mg of logs per device per day in an average use case. The max possible use case in extreme usage is 178 Mb per device per day.	OR-2715
Barcode	Fixed an issue where after Barcode timed out, the scanner button had to be pressed twice to initiate a new scan	OR-2694
Buttons	Fixed an issue where after setting an alarm to sound by pressing the volume down button and then rebooting the phone, the setting would not work.	OR-2670

# Chapter 4: Versity 92 Series Software

## R1.1.0.448

### **Current release information**

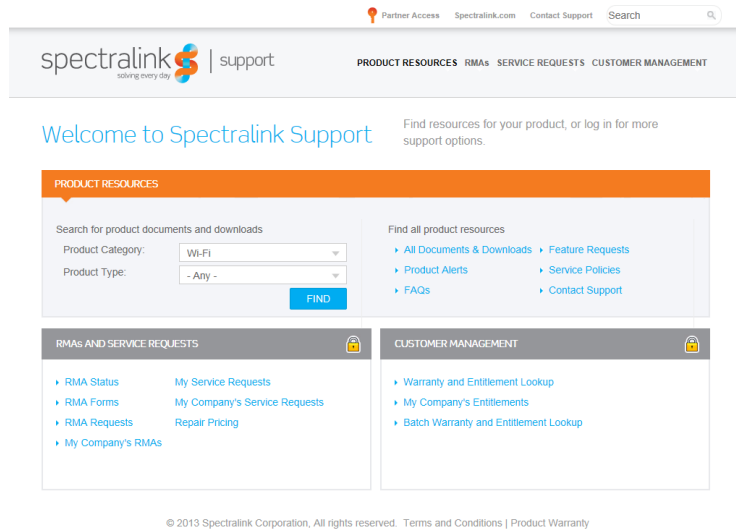
This release includes these software versions:

- Handset Version: 1.1.0.448

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

# 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>.

Spectralink SAM software and support documents are available on the Spectralink support site at <http://support.spectralink.com/sam>.

Spectralink AMiE Console support documents are available on the Spectralink support site at [https://support.spectralink.com/AMiE\\_Advanced](https://support.spectralink.com/AMiE_Advanced)

*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 Family 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) 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.

*Spectralink AMiE Console Administration Guide* describes the setup and management of the AMiE console used to manage Spectralink devices.

The *Spectralink Versity Family Applications Administration Guide* describes each Spectralink app and lists each parameter configured for each app.

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

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 show you how to correctly configure access points and WLAN controllers (if applicable) and identify the optimal settings that support Spectralink handsets and smartphones. 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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\*\*\*\*\*END OF DOCUMENT\*\*\*\*\*