



Spectralink Versity Smartphone

Release Notes

Spectralink Versity Software

Release 1.0.0.784

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Warranty

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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 Android 8.x also known as “Oreo”. 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 “Oreo” 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.

Biz Phone / Biz Status

The Biz Phone app is Spectralink’s SIP telephony application for Versity devices. The Biz Status app gives you call server and registration information.

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.

Sys Updater

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

Buttons

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

Lens Grid

The Lens Grid app is Spectralink’s application to apply a standardized grid to the on board camera for precise measurement of objects using 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.

Logging

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

SAM Client

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

Device

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

Finding the Current Spectralink Software Release

Platform version

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

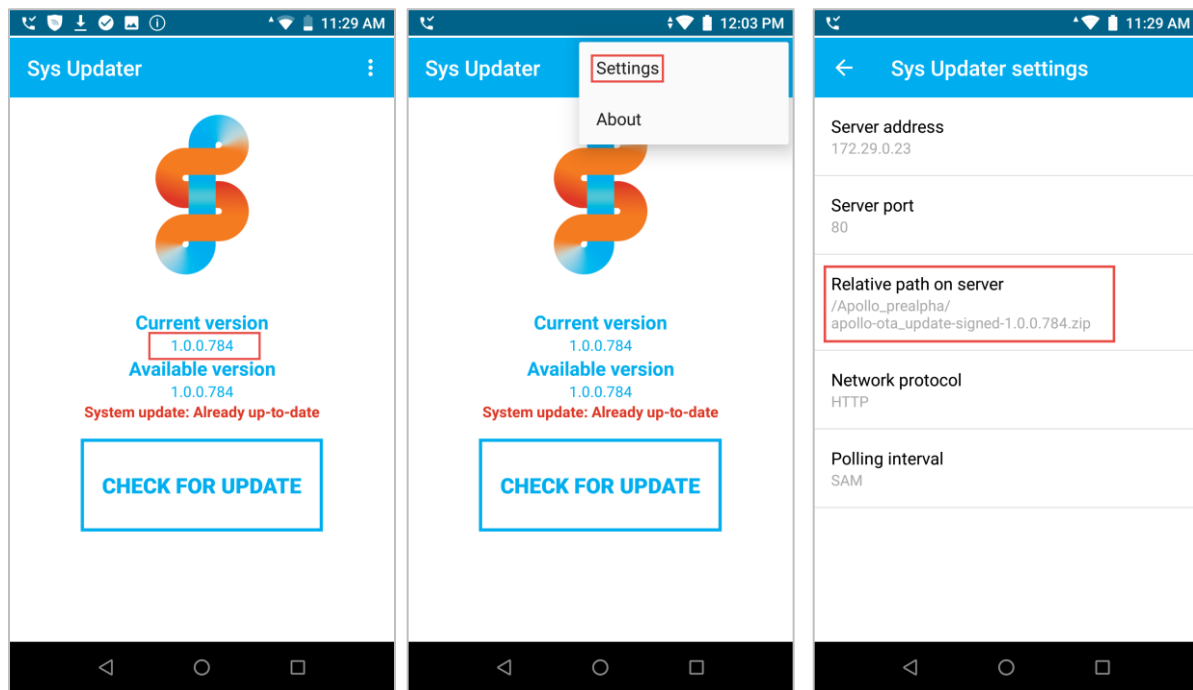


Open the Sys Updater app. The current version is displayed. This is the version that is available from the HTTP server that is hosting the platform software.

Tap the overflow dots to open the settings screen. The software is loaded in the relative path as shown in the example screens below.

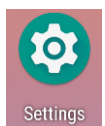
Sys Updater Version screen

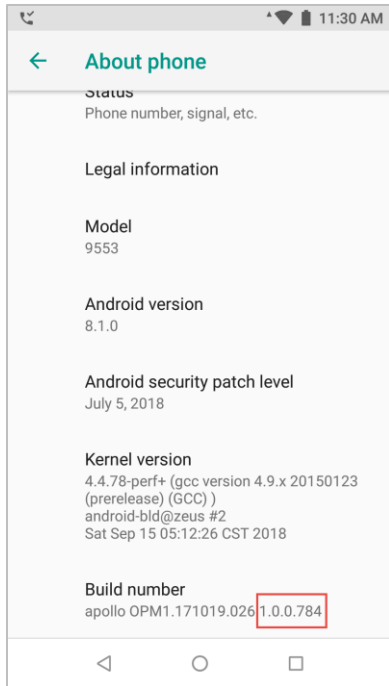
Sys Updater settings



Code can also be displayed in the Oreo 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.

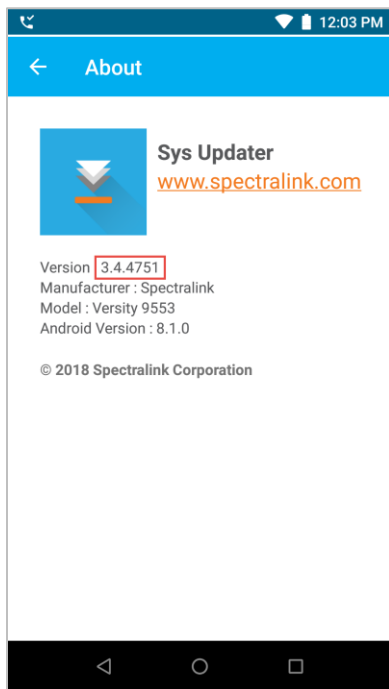
Oreo Settings app





App version

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



Chapter 1: 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 Oreo release and has all the advanced features incorporated in the Oreo release. It also is restricted by the few limitations inherent in the Oreo release. Most questions about Oreo 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

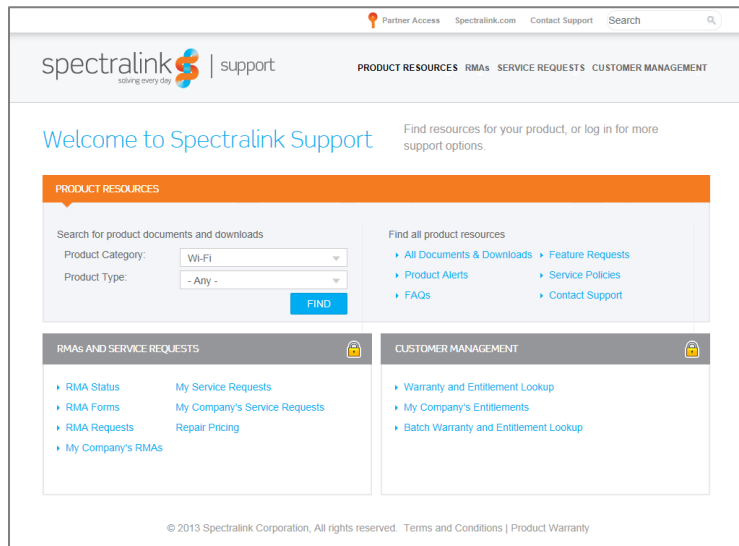
- OTA updates are not allowed when using LTE to prevent excessive use of user data. OTA updates do not currently work on Wi-Fi if a VPN connection is used to access the server. Remote workers will need access to a local HTTP server which can download the OTA image from Spectralink's website.
- Syslogging 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 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.
- 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.

The *Spectralink Versity 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 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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