



Spectralink Quick Network Connect

Release Notes

Spectralink QNC Software 2.0

Copyright Notice

© 2016-2017 Spectralink Corporation. All rights reserved. Spectralink™, the Spectralink logo and the names and marks associated with Spectralink's products are trademarks and/or service marks of Spectralink Corporation and are common law marks in the United States and various other countries. All other trademarks are property of their respective owners. No portion hereof may be reproduced or transmitted in any form or by any means, for any purpose other than the recipient's personal use, without the express written permission of Spectralink.

All rights reserved under the International and Pan-American Copyright Conventions. No part of this manual, or the software described herein, may be reproduced or transmitted in any form or by any means, or translated into another language or format, in whole or in part, without the express written permission of Spectralink Corporation.

Do not remove (or allow any third party to remove) any product identification, copyright or other notices. Android™, Google™, Google Play™ and other marks are trademarks of Google, Inc.

Notice

Spectralink Corporation has prepared this document for use by Spectralink personnel and customers. The drawings and specifications contained herein are the property of Spectralink and shall be neither reproduced in whole or in part without the prior written approval of Spectralink, nor be implied to grant any license to make, use, or sell equipment manufactured in accordance herewith.

Spectralink reserves the right to make changes in specifications and other information contained in this document without prior notice, and the reader should in all cases consult Spectralink to determine whether any such changes have been made.

NO REPRESENTATION OR OTHER AFFIRMATION OF FACT CONTAINED IN THIS DOCUMENT INCLUDING BUT NOT LIMITED TO STATEMENTS REGARDING CAPACITY, RESPONSE-TIME PERFORMANCE, SUITABILITY FOR USE, OR PERFORMANCE OF PRODUCTS DESCRIBED HEREIN SHALL BE DEEMED TO BE A WARRANTY BY SPECTRALINK FOR ANY PURPOSE, OR GIVE RISE TO ANY LIABILITY OF SPECTRALINK WHATSOEVER.

Warranty

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

Contact Information

US Location

+1 800-775-5330

Spectralink Corporation
2560 55th Street
Boulder, CO 80301
USA

info@spectralink.com

Denmark Location

+45 7560 2850

Spectralink Europe ApS
Bygholm Soepark 21 E Stuen
8700 Horsens
Denmark

infoemea@spectralink.com

UK Location

+44 (0) 20 3284 1536

Spectralink Europe UK
329 Bracknell, Doncastle Road
Bracknell, Berkshire, RG12 8PE
United Kingdom

infoemea@spectralink.com

Contents

- Introduction to Quick Network Connect 4**
- Chapter 1: QNC Software 2.0.x 5**
 - New Features 5**
 - Fixed Issues 6**
- Chapter 2: QNC Software 1.0.x 7**
 - New Features 7**
 - Fixed Issues 7**
 - Known Issues..... 8**
- Chapter 3: Reference Documents..... 9**
 - Spectralink References 9**
 - Specific Documents 9*

Introduction to Quick Network Connect

Advances in supporting technology has allowed Spectralink to simplify the provisioning process making it more efficient and foolproof. Quick Network Connect, or QNC, is the latest offering in this family of provisioning products.

Quick Network Connect utilizes a customized version of a commercially available Raspberry Pi server to simplify the wireless provisioning of your Spectralink 84-Series handsets and 87-Series smartphones. CMS and QNC are designed to work together to provide a complete deployment solution.



When connected to a PC, QNC provides a browser-based GUI that provides you with the wireless configuration parameters you need to set in order for your Spectralink phones to associate with the wireless LAN.

Once the configuration is completed, a connection between QNC and your Spectralink 84-Series handset(s) or 87-Series smartphone(s) loads the wireless parameters into the handset.



Admin Tip

If using CMS, please set up CMS first so that the account key can be captured and provided to PIVOTs through QNC configuration.



Caution: Internet access

If you need to configure PIVOT without access to the internet, use QNC for initial wireless connectivity to a closed WLAN using the locally-configured SSID. Simply skip over any internet connectivity prompts.

QNC documents and software can be found at: <http://support.spectralink.com/products/wi-fi/qnc>

Chapter 1: QNC Software 2.0.x

QNC Version 2.0.0.314

For use with the following versions:

- PIVOT 2.1.0.17257
- PIVOT 2.0.0.15757
- PIVOT 1.8.0.17256
- CMS Version: 2.0.0



Caution: QNC 2.0 compatibility

QNC 2.0 is designed to operate with PIVOT R1.8, R2.0 or R2.1 and above and CMS 2.0.

QNC 2.0 also operates with Spectralink 84-Series handsets for wireless provisioning only.

New Features

QNC now supports wireless configuration for the 84-Series handsets. The feature set for wireless configuration of 84-Series devices is similar to the original SLIC, with the following caveats:

- QNC does not support the TFTP transport type for a provisioning server. This protocol is considered unreliable by Spectralink and is not recommended for provisioning the phones.
- QNC currently does not support the SIP wizard that allowed users to generate configuration files for the 84-Series handsets by walking through a wizard-style user interface.
- QNC only supports the USB interface for provisioning 84-Series handsets. The wireless provisioning that is available on the Pivot devices is not currently available for the 84-Series handsets.
- Only one 84-Series handset can be configured at a time via USB. It is not possible to connect multiple 84-Series devices to the QNC, even though there are multiple USB ports.



Caution: Only deploy one QNC per location

When using Wi-Fi mode with Spectralink phones, only one QNC should be used in the same location. The QNC has a known SSID that the PIVOT devices searches for on boot.

If multiple QNCs are powered up in the same location, the phone may not attach to the correct one.

Multiple QNCs can be used to configure 84-Series handsets (or Pivot devices using USB). If multiple QNCs are used, then only the USB should be used to configure devices or the above issues will occur.

Fixed Issues

| <i>Issue</i> | <i>Description</i> |
|--------------|--|
| SLIC-29 | SLIC uses deprecated parameter for regulatory domain |
| SLIC-31 | Identity field for EAP-TLS should allow blank entry for 8400 |
| SLIC-32 | Remove password field for EAP-TLS on 8400 |
| SLIC-33 | Errors are displayed on 84-Series handsets after using SLIC Box for wireless configuration |
| SLIC-76 | Cannot add/upload certificate to SLIC for HTTPS provisioning (8400) |
| SLIC-104 | SLIC: A bad value in wireless proxy bypass causes proxy to no longer work. |
| SLIC-163 | QNC on port 80 cannot reliably upload larger apks |
| SLIC-164 | Pivot gets stuck "transferring APKs" when pushing APK from QNC |
| SLIC-168 | Pivot phone only loaded one of the apks that were installed in QNC |
| SLIC-169 | Pivot phone did not install apks over USB |
| SLIC-197 | Ethernet is being disabled after ~5min on QNC from the factory |
| SLIC-199 | When loading APKs at customer site, device acquires but loses SLIC connection |
| SLIC-201 | Upgrade failures with some memory sticks |
| SLIC-203 | Enterprise username, password not required on 8400 |

Chapter 2: QNC Software 1.0.x

QNC Version 1.0.81

For use with the following versions:

- PIVOT 2.1.0.17257
- PIVOT 2.0.0.15757
- PIVOT 1.8.0.17256
- CMS Version: 2.0.1496.1665



Caution: QNC 1.0 compatibility

QNC 1.0 is designed to operate only with PIVOT R1.8, R2.0 or R2.1 and above and CMS 2.0.

New Features

The QNC replaces the Spectralink SLIC product. The following features are new to the QNC as compared to SLIC.

- An enhanced user interface
- Deployment of initial configuration to PIVOT phones through Wi-Fi
- Support of multiple concurrent downloads through Wi-Fi



Caution: Only deploy one QNC per location

When using Wi-Fi mode with the PIVOT devices, only one QNC should be used in the same location. The QNC has a known SSID that the PIVOT devices searches for on boot.

If multiple QNCs are powered up in the same location, the phone may not attach to the correct one.

Fixed Issues

QNC is a complete redesign of the SLIC product, with new hardware and a more responsive and intuitive user interface.

Known Issues

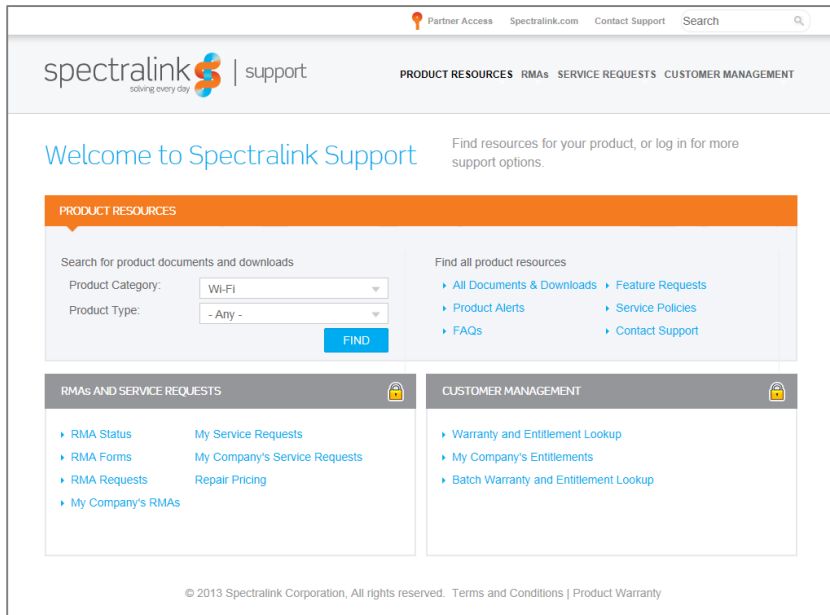
| <i>Issue</i> | <i>Description</i> |
|--------------|---|
| S-128 | Presence of USB stick will prevent writing to the sdcard If a USB stick is put in a QNC, the QNC will preferentially use the USB stick to store configs instead of the sdcard. On subsequent boots it will still be looking for the USB stick and won't write out the sdcard. This is existing behavior for the SLIC device. |
| S-151 | QNC does not boot properly when USB connections changed during boot Don't insert or remove USB devices from the QNC while it is booting |

Chapter 3: Reference Documents

Please consult your support representative for all questions and issues about this product.

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. PIVOT documents are available at <http://support.spectralink.com/pivot>.

Specific Documents

AP Configuration Guides show you how to correctly configure access points and WLAN controllers (if applicable) and identify the optimal settings that support Spectralink 87-Series handsets. The guides can be found at the View Certified page.

Quick Network Connect Administration Guide QNC provides step-by-step instructions for configuring wireless settings required for the handsets to associate with the wireless LAN.

Spectralink 87-Series Smartphone Deployment Guide The Deployment Guide provides sequential information for provisioning and deploying the handsets. It covers deployment using QNC and CMS as well as manual deployment.

PIVOT by Spectralink Configuration Guide The PIVOT Configuration Guide provides detailed information about PIVOT menu items that have been developed specifically for the PIVOT handset.

Spectralink 87-Series Smartphone CMS Administration Guide The CMS Admin Guide provides information about every setting and option available to the administrator on CMS. Time-saving shortcuts, troubleshooting tips and other important maintenance instructions are also found in this document.

Spectralink 87-Series Wi-Fi Security Implementation Guide Wi-Fi security prevents unauthorized over-the-air access to network components and the sensitive data that resides there. This Guide discusses the various method and explains how to implement each of them.

Spectralink 87-Series Smartphone Application Installation Guide The Applications Installation Guide provides detailed information about deploying any type of application, using an app store or MDM and manual processes for loading applications on the Spectralink 87-Series handset.

Spectralink 87-Series Smartphone User Guide The User Guide provides detailed information about using the features of the 87-Series handsets.

Spectralink 87 Series Wireless Telephones Web Developer's Guide The Web Developer's Guide provides Web application creators with information for developing and deploying Web applications that interface with Spectralink handsets.

For information on IP PBX and softswitch vendors, see *PIVOT by Spectralink Call Server Interoperability Guide*.

****END OF DOCUMENT****