

**Service Release Notes for WiNG 7.2.1.8-005R**

**Please Note:** Service releases are made available to fix specific customer reported issues in a timely manner. Service releases are not as extensively tested as main releases (such as 7.2.1.0-015R). The next maintenance or manufacturing release will incorporate all qualifying and preceding service releases.

This document is an addendum to the release notes for the main release 7.2.1.0-015R.

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**1. RESOLVED ISSUES**

**Service Release 7.2.1.8-005R**

This service release contains kr00k vulnerability fix and critical fixes for Campus mode supported with ExtremeCloud Appliance 4.56.09 release. Refer to ExtremeCloud Appliance 4.56.09.0004 Release Note for details.

Following is a list of SPRs/CRs fixed in this release:

CRID	Description
WING-42538	Kr00k vulnerability fix
WING-42743	Minimum basic rate set to 24 but lower rates being advertised in beacon
WING-42667	Windows 10 PC is de-authenticated in 10 seconds
WING-42842	The radio shows off on SmartRF AP5xx after upgrade

**Previous Service Release 7.2.1.7-001R**

This service release 7.2.1.7-001R contains critical fixes for Campus mode supported with ExtremeCloud Appliance 4.56.08 release. Refer to ExtremeCloud Appliance 4.56.08.0004 Release Note for details.

Following is a list of SPRs/CRs fixed in this release:

CRID	Description
WING-42567	Radio config is wrong after WLAN add/remove operation

**Previous Service Release 7.2.1.6-005R**

This service release 7.2.1.6-005R contains critical fixes for Campus mode supported with ExtremeCloud Appliance 4.56.07 release. Refer to ExtremeCloud Appliance 4.56.07.0006 Release Note for details.

Following is a list of SPRs/CRs fixed in this release:

CRID	Description
WING-42346	Implemented Probe Suppression Force Disassociate for AP5xx
WING-42508	Improved SmartRF dynamic channel assignment based on assessment from neighboring APs

**Previous Service Release 7.2.1.5-005R**

This service release 7.2.1.5-005R contains critical fixes for Campus mode supported with ExtremeCloud Appliance 4.56.06 release. Refer to ExtremeCloud Appliance 4.56.06.0013 Release Note for details.

Following is a list of SPRs/CRs fixed in this release:

CRID	Description
WING-39547	AP5xx Distributed mode: Added support for channel 144.
WING-42280	Improved AP510/560 resiliency when dual 5GHz is configured.
WING-42337	Clean up client sessions when AP5xx loses connection to XCA.
WING-42338	Reboot AP5xx when losing connection to XCA and Persistence Mode is disabled.
WING-42347	Addressed 802.11at LLDP PoE Power negotiation issue with Cisco 2960x switch.

**Previous Service Release 7.2.1.4-005R**

This service release 7.2.1.4-005R contains critical fixes for Campus mode supported with ExtremeCloud Appliance 4.56.05 release. Refer to ExtremeCloud Appliance 4.56.05.0005 Release Note for details.

**Following is a list of SPRs/CRs fixed in this release:**

CRID	Description
WING-42235	AP5xx campus mode: change radio LED to solid ON for normal radio operation
WING-42268	AP does not take new width when changed in RF Management

**Previous Service Release 7.2.1.3-008R**

This service release 7.2.1.3-008R contains critical fixes for Campus mode supported with ExtremeCloud Appliance 4.56.04 release. Refer to ExtremeCloud Appliance 4.56.04.0009 Release Note for details.

**Following is a list of SPRs/CRs fixed in this release:**

CRID	Description
WING-42099	Add BSS(VNS) Reset to AP5xx to Minimize Service Interrupt by avoiding Radio Reset
WING-42083	Centralized 500 series AP's shut radio (wl1.1, etc.) down in 4-6 days
WING-42062	AP got stuck in discovery
WING-42012	XCA AP BSSID report is off by 1

**Previous Service Release 7.2.1.2-006R**

This service release 7.2.1.2-006R contains critical fixes for Campus mode supported with ExtremeCloud Appliance 4.56.03 release. Refer to ExtremeCloud Appliance 4.56.03.0004 Release Note for details.

**Following is a list of SPRs/CRs fixed in this release:**

CRID	Description
SPR-3492	AP 7612 iBeacon broadcast not waking up mobile devices
WING-38589	Clients Termination issue using Altea on AP 5xx in Campus mode
WING-39330	ExtremeLocation: Add support for linear EWMA for BLE devices
WING-39409	ExtremeLocation: AP 5xx in Campus Mode does not report any location data
WING-39417	ExtremeLocation: WING BLE report need to send average of RSSI over configured RSSI interval
WING-39418	ExtremeLocation: BLE Total count of devices seen are always 31
WING-38304	Repeated DFS trigger on all channels in scan list; AP will go to continuous scan on all these channel. The AP will not recover or serve any wireless client

CRID	Description
WING-38648	Able to see data packets of other BSS on channel 48 in radio share inline mode using AP510 as a sensor
WING-39560	AP5xx campus: Ticket Master scanner can't connect to AP5xx

### **Previous Service Release 7.2.1.1-006R**

This service release 7.2.1.1-006R contains critical fixes for Campus mode supported with ExtremeCloud Appliance 4.56.02 release and ExtremeLocation related fixes. Refer to ExtremeCloud Appliance 4.56.02.003 Release Note for details.

### **Following is a list of SPRs/CRs fixed in this release:**

CRID	Description
SPR-3492	AP 7612 iBeacon broadcast not waking up mobile devices
WING-38589	Clients Termination issue using Altea on AP 5xx in Campus mode
WING-39330	ExtremeLocation: Add support for linear EWMA for BLE devices
WING-39409	ExtremeLocation: AP 5xx in Campus Mode does not report any location data
WING-39417	ExtremeLocation: Wing ble report need to send average of rssi over configured rssi interval
WING-39418	ExtremeLocation: BLE Total count of devices seen are always 31

## **2. KNOWN ISSUES**

WING-42428	IGMP fast leave is not supported on AP7612 platform
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## **3. IMPORTANT NOTES**

None

#### 4. PLATFORMS SUPPORTED

WiNG 7.2.1.8-005R supports the following platforms with corresponding firmware images:

Controller Platform	Firmware Image
NX 9500/ NX 9510	NX9500-7.2.1.8-005R.img, NX9500-LEAN-7.2.1.8-005R.img
NX 9600 / NX 9610	NX9600-7.2.1.8-005R.img, NX9600-LEAN-7.2.1.8-005R.img
NX 75XX	NX7500-7.2.1.8-005R.img, NX7500-LEAN-7.2.1.8-005R.img
NX 5500	NX5500-7.2.1.8-005R.img, NX5500-LEAN-7.2.1.8-005R.img

Virtual Platform	Firmware Image
VX 9000 <sup>1</sup> —production iso/img image	VX9000-INSTALL-7.2.1.8-005R .iso, VX9000-7.2.1.8-005R.img, VX9000-LEAN-7.2.1.8-005R.img
VX 9000 – demo iso image	VX9000-DEMO-INSTALL-7.2.1.8-005R.iso <sup>2</sup>

<sup>1</sup>VX 9000 image has default 64 AP license.

<sup>2</sup>The VX demo image is a 60-day trial image of the VX 9000 software VM that can be used for demos and in the lab environments. This image does not need any additional licenses; it comes with 16 AAP licenses built-in. There is no migration from the demo image to the production image.

AP Platform	Firmware Image
AP505/510/560	AP5xx-7.2.1.8-005R.img AP5xx-LEAN-7.2.1.8-005R.img (included in all Controller images)
AP 7522	AP7522-7.2.1.8-005R.img AP7522-LEAN-7.2.1.8-005R.img (included in all NX controller images)
AP 7532	AP7532-7.2.1.8-005R.img AP7532-LEAN-7.2.1.8-005R.img (included in all NX controller images)
AP 7562	AP7562-7.2.1.8-005R.img AP7562-LEAN-7.2.1.8-005R.img (included in all NX controller images)
AP 8533	AP8533-7.2.1.8-005R.img AP8533-LEAN-7.2.1.8-005R.img (included in all NX controller images)
AP 8432	AP8432-7.2.1.8-005R.img AP8432-LEAN-7.2.1.8-005R.img (included in all NX controller images)
AP 7612	AP7612-7.2.1.8-005R.img AP7612-LEAN-7.2.1.8-005R.img (included in all NX controller images)
AP 7632	AP7632-7.2.1.8-005R.img AP7632-LEAN-7.2.1.8-005R.img (included in all NX controller images)
AP 7662	AP7662-7.2.1.8-005R.img AP7662-LEAN-7.2.1.8-005R.img (included in all NX controller images)

## 5. FIRMWARE UPGRADE/DOWNGRADE PROCEDURE

The method described in this section uses the Command Line Interface (CLI) procedures. To log into the CLI, either SSH, Telnet or serial access can be used.

**For detailed upgrade procedure – please refer to WiNG 7.2.1 release notes.**

### Upgrade from WiNG v7x.x.x to WiNG v7.2.1.8

1. Copy the controller image to your tftp/ftp server.
2. Use the **—upgrade ftp://<username>:<password>@<ip address of server>/<name of file>||**, or **—upgrade tftp://<ip address of server>/<name of file>** command from CLI or **Switch->Firmware->Update Firmware** option from the GUI. You may need to specify the username and password for your ftp server.
3. Restart the controller. From CLI the command is **—reload**.

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