

Service Release Notes for WiNG 7.7.1.6-006R

Note: Service releases are made available to fix specific customer reported issues in a timely manner or known issues resolved in the main release. Service releases are not as extensively tested as main releases. 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 7.7.1.0-012R, 7.7.1.1-05R, 7.7.1.2-07R, 7.7.1.3-005R, 7.7.1.4-006R, 7.7.1.5-003R release.

CONTENTS

1. New Platforms and Features	2
New platforms	
New Features	
2. Resolved Issues	2
3. Known Issues	2
4. Platforms Supported	3
5. Firmware Upgrade/Downgrade Procedure	4

1. NEW PLATFORMS AND FEATURES

New platforms

None

New Features

None

2. RESOLVED ISSUES

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

CR/ESR	Description
CFD-7278	Added CLI command to restrict Bonjour services discovery to service VLAN only
CFD-8392	Improved stability for AP410C acting as a Sensor
CFD-8572	Resolved Frag buffer allocation for EAP Frames issue which could result in RADIUS server communication timeouts
CFD-8600	Enhanced SmartRF to have dual channel list for scanning in Dual 5GHz setup
CFD-8760	Corrected BSS mapping being shown in NOVA GUI for adopted AP
CFD-8793	Added changes to improve PMKID caching during roam
CFD-8864	Improved Sensor support for external antenna AP models
CFD-8879	Added extended-range configuration on all radios. [AP460e/AP360e]
CFD-8906	Improved AP stability deployed with dot1x authentication for Wired uplink
CFD-8916	Changed logic for AP460i/e to restrict radio1 configuration set to 2x2 mode
WOS-4666	Improved AP stability when using weak MAC algorithms for SSH
WOS-4939	Changed Sensor configuration to use Radio3 instead of Radio2 for non-6GHz tri-radio APs

3. KNOWN ISSUES

Following is a list of known issues in this release:

CR/ESR	Description
WOS-4990	Wireless clients are not connecting when rts-threshold value is configured between 0-499, clients are connecting beyond rts-threshold value 500.
WOS-4963	802.11r Fast roaming with WPA3-Enterprise mode is not working on all 802.11ax APs
WOS-4976	Channel-width assignment for 11ax APs is not happening based on channel-width configured in smart-RF policy on Radio 1

4. PLATFORMS SUPPORTED

WiNG 7.7.1.6 supports the following platforms with the corresponding firmware images:

AP Platforms	Firmware Image
AP302W	AP302W-LEAN-7.7.1.6-006R.img (included in all Controller images)
AP305C/AP305CX AP305C-1	AP3xxC-LEAN-7.7.1.6-006R.img (included in all Controller images)
AP410C/AP460C AP460S6C/AP460S12C AP410C-1	AP4xxC-LEAN-7.7.1.6-006R.img (included in all Controller images)
AP310/360	AP3xx-7.7.1.6-006R.img AP3xx-LEAN-7.7.1.6-006R.img (included in all Controller images)
AP410/460	AP4xx-7.7.1.6-006R.img AP4xx-LEAN-7.7.1.6-006R.img (included in all Controller images)
AP505/510/560	AP5xx-7.7.1.6-006R.img AP5xx-LEAN-7.7.1.6-006R.img (included in all Controller images)
AP7522	AP7522-7.7.1.6-006R.img AP7522-LEAN-7.7.1.6-006R.img (included in all NX controller images)
AP7532	AP7532-7.7.1.6-006R.img AP7532-LEAN-7.7.1.6-006R.img (included in all NX controller images)
AP7562	AP7562-7.7.1.6-006R.img AP7562-LEAN-7.7.1.6-006R.img (included in all NX controller images)
AP8533	AP8533-7.7.1.6-006R.img AP8533-LEAN-7.7.1.6-006R.img (included in all NX controller images)
AP8432	AP8432-7.7.1.6-006R.img AP8432-LEAN-7.7.1.6-006R.img (included in all NX controller images)
AP7612	AP7612-7.7.1.6-006R.img AP7612-LEAN-7.7.1.6-006R.img (included in all NX controller images)
AP7632	AP7632-7.7.1.6-006R.img AP7632-LEAN-7.7.1.6-006R.img (included in all NX controller images)
AP7662	AP7662-7.7.1.6-006R.img AP7662-LEAN-7.7.1.6-006R.img (included in all NX controller images)

Controller Platform	Firmware Image
NX9500/NX9510	NX9500-7.7.1.6-006R.img, NX9500-LEAN-7.7.1.6-006R.img
NX9600/NX9610	NX9600-7.7.1.6-006R.img, NX9600-LEAN-7.7.1.6-006R.img
NX75XX	NX7500-7.7.1.6-006R.img, NX7500-LEAN-7.7.1.6-006R.img
NX5500	NX5500-7.7.1.6-006R.img, NX5500-LEAN-7.7.1.6-006R.img

Virtual Platform	Firmware Image
VX9000–production iso/img image	VX9000-INSTALL-7.7.1.6-006R.iso, VX9000-7.7.1.6-006R.img, VX9000-LEAN-7.7.1.6-006R.img

Note:

APXXX-LEAN-7.7.1.6-006R.img – built **without GUI component**. AP lean images are also bundled within controller full image.

NXXXXX-LEAN-7.7.1.6-006R.img – built **without AP images**.

5. FIRMWARE UPGRADE/DOWNGRADE PROCEDURE

The method described in this section uses the Command Line Interface (CLI) procedures. To log into the CLI, use either Secure Socket Shell (SSH), Telnet or serial access.

For detailed upgrade procedure, refer to [WiNG 7.7.1.0 release notes](#).

Upgrade from WiNG v7.x.x.x to WiNG v7.1.1.6

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.
Note: You may need to specify the username and password for your ftp server.
3. Restart the controller. To restart the controller, use the `<reload>` command on the CLI.