

Unleashed 200.9 Release Notes

Supporting Unleashed 200.9

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Document History

Revision Number	Summary of changes	Publication date
A	Initial release notes	TBD, 2020

Introduction

This document provides release information on Ruckus Unleashed release 200.9, including new features and enhancements, along with known issues, caveats, workarounds, supported platforms and upgrade information for this release.

Introducing Ruckus Unleashed

Unleashed is a controller-less WLAN solution that allows small businesses to deliver an enterprise-class Wi-Fi user experience in a cost effective, easy to implement, intuitive and yet feature-rich platform.

An Unleashed network can scale up to 128 Access Points and 2,048 concurrent clients in bridge mode (gateway mode supports up to 25 APs and 512 clients).

For more information on Unleashed configuration, administration and maintenance, please see the Unleashed Online Help, available at <https://docs.ruckuswireless.com/unleashed/200.9/index.html>.

New in This Release

This section lists the new features and changed behavior in this release.

New Access Points

- Unleashed R550

This release adds Unleashed support for the new R550 indoor 802.11ax (Wi-Fi 6) Access Point.

The Unleashed R550 is a 2x2:2 802.11ax access point with integrated 2-port Ethernet interfaces designed for medium-density, small to mid-sized indoor enterprise WLAN applications. The R550 provides two 1-Gbps Ethernet ports, a USB port and onboard Zigbee/BLE radio support for IoT applications.

- Unleashed R650

This release adds Unleashed support for the new R650 indoor 802.11ax (Wi-Fi 6) Access Point.

The Unleashed R650 is a dual-band 4x4:4 indoor Wi-Fi 6 Access Point featuring one 2.5 Gbps Ethernet port that supports 802.3af/at Power Over Ethernet, one 1 Gbps (non-PoE) Ethernet port, onboard BLE/ZigBee, and a USB port for IoT applications. Designed for medium to high density venues, such as education, the R650 is a mid-high tier AP appropriate for many verticals such as carrier, enterprise, hospitality, health care, and retail deployments.

- Unleashed R850

This release adds Unleashed support for the new R850 indoor 802.11ax (Wi-Fi 6) Access Point.

The Unleashed R850 is a dual-band Wi-Fi 6 Indoor access point with 12 radio chains, operating in 8x8:8 mode on the 5GHz band and in 4x4:4 mode on the 2.4GHz band, supporting peak PHY rates of 4.8Gbps (5GHz) and 1.148Gbps (2.4GHz). The R850 has one 5 Gbps PoE

Ethernet port and one 1 Gbps port, onboard BLE and Zigbee radios for IOT applications, and a USB port for additional connectivity. The R850 will operate with PoH, uPOE and 802.3at power.

- Unleashed T750

This release adds Unleashed support for the new T750 outdoor dual-band concurrent 802.11ax (Wi-Fi 6) Access Point.

The Unleashed T750 is a carrier-grade dual-band concurrent 4x4:4 outdoor Wi-Fi 6 Access Point featuring an SFP/SFP+ fiber backhaul option, one 2.5 Gbps Ethernet port that supports 802.3af/at/bt Power Over Ethernet, one 1 Gbps (non-PoE) Ethernet port, onboard BLE/ZigBee, and a USB port for IoT applications. Targeted for service provider outdoor WLAN applications, the T750 form factor allows mounting to outdoor street furniture, buildings and rooftops and inside pedestals.

New Features

- Wi-Fi Calling and Wi-Fi Calling Troubleshooting Tool

This feature improves handling and overall quality of Wi-Fi Calling voice calls over Unleashed access points. When enabled, Unleashed performs additional identification, classification and marking of voice calls when the Wi-Fi calling feature is being used, and provides better voice quality by improving jitter, latency and roaming delays.

- 11ax AP Mesh

This release adds mesh support for 11ax (Wi-Fi 6) APs.

- Shared DPSK

Allows a single user to share a single DPSK across multiple devices. By default, each DPSK is unique and mapped to a single MAC address. This option allows the admin to override this rule and allow a user to share a single DPSK across multiple devices.

- ICX Backup/Restore via UMM

Provides options to perform a remote backup or restore of ICX switch configuration using Unleashed Multisite Manager (UMM).

- WebSocket Support for UMM

Adds WebSocket support for UMM.

- Factory Reset with Special Configuration Saved in CLI

Allows saving the current configuration via CLI command so that after a factory reset, the Master AP will come back up with the saved configuration rather than resetting all settings to factory defaults.

- Enhancement of API "is-partial" Merge Function

Improved logic of "is-partial" API merge function for mobile app use.

- Neighboring AP RF Strength Display

Provides additional information on neighboring APs in the web interface.

- Secondary Preferred Master

Allows configuration of up to two preferred Master APs. In the event that the primary preferred Master AP is offline, the secondary preferred Master will assume the Master role. When the primary preferred Master returns online, it will resume the role again once it rejoins the Unleashed network.

- Disable WLAN Service Master AP

This feature allows an admin to set the Master AP to focus on controller tasks. When enabled, the Master AP provides only controller functionality and does not provide WLAN services.

- Channel Management Enhancement

This release introduces a new automatic channel assignment algorithm using Background Scanning that optimizes for the number of APs and clients and provides user control over when channel changes should occur.

Hardware and Software Support

Changed Behavior

- User-Defined Time Zones
Allows user to define custom time zones and Daylight Savings Time start and end times.
- Additional AP information in AP Groups
Provides additional AP details in the AP Group section of the web interface.
- New CommScope + RUCKUS brand logo
Updates logo to new CommScope branding.
- 160 MHz Channelization
This release adds 160 MHz channelization support for Wi-Fi 6 APs.
- SpeedFlex Security Enhancement
Adds the ability to disable SpeedFlex access from any remote device.
- Password Reminder
Displays a pop-up reminder message if the admin has not set up password recovery.

Changed Behavior

- None

Hardware and Software Support

Supported Platforms

Unleashed version **200.9.10.4.202** supports the following Ruckus AP models:

Indoor AP	Outdoor AP
C110	E510
H320	T310c
H510	T310d
M510	T310n
R320	T310s
R510	T610
R550*	T610s
R610	T710
R650*	T710s
R710	T750*
R720	
R750	
R850*	

NOTE

Unleashed R550, R650, R850, and T750 are new in this release.

Upgrade Information

Supported Upgrade Paths

The following release builds can be directly upgraded to Unleashed version **200.9.10.4.202**:

Online Upgrade:

- 200.7.10.2.339 (Unleashed 200.7 GA)
- 200.7.10.102.64 (Unleashed 200.7 MR1)
- 200.7.10.202.118 (Unleashed 200.7 MR2)
- 200.8.10.3.243 (Unleashed 200.8 GA)
- 200.8.10.3.278 (Unleashed 200.8 MR1)

NOTE

To upgrade to 200.9 using the online upgrade method, your Unleashed network must be running **200.7** or later. If your network is running an earlier release, first upgrade to 200.7, then continue to upgrade to 200.9.

Local Upgrade:

- 200.2.9.13.186 (Unleashed 200.2 GA)
- 200.3.9.13.228 (Unleashed 200.3 GA)
- 200.4.9.13.47 (Unleashed 200.4 GA)
- 200.5.10.0.235 (Unleashed 200.5 GA refresh 1)
- 200.5.10.0.291 (Unleashed 200.5 GA refresh 3)
- 200.6.10.1.308 (Unleashed 200.6 GA)
- 200.6.10.1.310 (Unleashed 200.6 GA refresh 1)
- 200.6.10.1.312 (Unleashed 200.6 GA refresh 2)
- 200.7.10.2.339 (Unleashed 200.7 GA)
- 200.7.10.102.64 (Unleashed 200.7 MR1)
- 200.7.10.202.118 (Unleashed 200.7 MR2)
- 200.8.10.3.243 (Unleashed 200.8 GA)
- 200.8.10.3.278 (Unleashed 200.8 MR1)

Known Issues

This section lists the caveats, limitations and known issues in this release.

Issue	UN-4561
Description	LLDP restarts repeatedly and AP fails to join master after channelization change on 11ax APs.

Issue	UN-4511
Description	Running the get election command from a member AP does not always retrieve the entire AP list.

Resolved Issues

Issue	UN-4527
Description	MAP R750 and R610 channelization are not successfully being set to 160MHZ.

Resolved Issues

- None

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