

RUCKUS Unleashed 200.10 Release Notes

Supporting Unleashed 200.10

Copyright, Trademark and Proprietary Rights Information

© 2021 CommScope, Inc. All rights reserved.

No part of this content may be reproduced in any form or by any means or used to make any derivative work (such as translation, transformation, or adaptation) without written permission from CommScope, Inc. and/or its affiliates ("CommScope"). CommScope reserves the right to revise or change this content from time to time without obligation on the part of CommScope to provide notification of such revision or change.

Export Restrictions

These products and associated technical data (in print or electronic form) may be subject to export control laws of the United States of America. It is your responsibility to determine the applicable regulations and to comply with them. The following notice is applicable for all products or technology subject to export control:

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.

Disclaimer

THIS CONTENT AND ASSOCIATED PRODUCTS OR SERVICES ("MATERIALS"), ARE PROVIDED "AS IS" AND WITHOUT WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED. TO THE FULLEST EXTENT PERMISSIBLE PURSUANT TO APPLICABLE LAW, COMMSCOPE DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, FREEDOM FROM COMPUTER VIRUS, AND WARRANTIES ARISING FROM COURSE OF DEALING OR COURSE OF PERFORMANCE. CommScope does not represent or warrant that the functions described or contained in the Materials will be uninterrupted or error-free, that defects will be corrected, or are free of viruses or other harmful components. CommScope does not make any warranties or representations regarding the use of the Materials in terms of their completeness, correctness, accuracy, adequacy, usefulness, timeliness, reliability or otherwise. As a condition of your use of the Materials, you warrant to CommScope that you will not make use thereof for any purpose that is unlawful or prohibited by their associated terms of use.

Limitation of Liability

IN NO EVENT SHALL COMMSCOPE, COMMSCOPE AFFILIATES, OR THEIR OFFICERS, DIRECTORS, EMPLOYEES, AGENTS, SUPPLIERS, LICENSORS AND THIRD PARTY PARTNERS, BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, PUNITIVE, INCIDENTAL, EXEMPLARY OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER, EVEN IF COMMSCOPE HAS BEEN PREVIOUSLY ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, WHETHER IN AN ACTION UNDER CONTRACT, TORT, OR ANY OTHER THEORY ARISING FROM YOUR ACCESS TO, OR USE OF, THE MATERIALS. Because some jurisdictions do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of liability for consequential or incidental damages, some of the above limitations may not apply to you.

Trademarks

ARRIS, the ARRIS logo, COMMSCOPE, RUCKUS, RUCKUS WIRELESS, the Ruckus logo, the Big Dog design, BEAMFLEX, CHANNELFLY, FASTIRON, ICX, SMARTCELL and UNLEASHED are trademarks of CommScope, Inc. and/or its affiliates. Wi-Fi Alliance, Wi-Fi, the Wi-Fi logo, Wi-Fi Certified, the Wi-Fi CERTIFIED logo, Wi-Fi Protected Access, the Wi-Fi Protected Setup logo, Wi-Fi Protected Setup, Wi-Fi Multimedia and WPA2 and WMM are trademarks or registered trademarks of Wi-Fi Alliance. All other trademarks are the property of their respective owners.

Contents

- Document History..... 4**
- Introduction..... 4**
 - Introducing RUCKUS Unleashed..... 4
- New in This Release..... 4**
 - New Features..... 4
 - Changed Behavior..... 5
- Hardware and Software Support..... 6**
 - Supported Platforms..... 6
- Upgrade Information..... 6**
 - Supported Upgrade Paths..... 6
- Known Issues..... 7**
- Resolved Issues..... 8**

Document History

Revision Number	Summary of changes	Publication date
A	Initial release notes	May 2021

Introduction

This document provides release information on RUCKUS Unleashed release 200.10, 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.commscope.com/bundle/unleashed-200.10-onlinehelp/>.

New in This Release

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

New Features

- Change in success message status from red to green
When a test is successful, the status message is displayed in green. When a test fails, the status message is displayed in red.
- Remote Packet Capture
Captures wireless packets during normal operation and the packets are saved in local files or streamed to Wireshark.
- Simplify the Installation
During quick installation, a new API is loaded by the UI and WLAN template data is fetched from and sent to the backend. WLAN data such as SSID is displayed in the UI and used as a default value and the data is sent to backend when creating the default WLAN.
- Provide option to change Master AP, based on network intelligence
This feature gives an option to change the master AP. Under Primary Preferred Master, the UI lists all the APs that accord with a master role on the network. The AP is sorted and listed by a special algorithm (master elect) where the best master is placed at the top of the list. The user can choose the best master as the Primary Preferred Master.
- Election Replay Attack
This feature aims to avoid DDOS attack as a result of not encrypting the election heartbeat or control packet. When the master AP sends election packet to a member AP, the election packet will include the member AP's MAC address into the packet content. When the member AP receives message from master AP, the MAC address is verified with that of the member AP and if there is a match, then the member AP performs the action specified or else the member AP ignores the election packet.

Following are the messages that include the member AP's MAC address: Reboot, set factory, set debug level, set AP role, and set AP delay elect.

- WPA3 R2: 11r 11w. etc...

Adds SAE FT and AKM PSK SHA256 support to "Open + WPA2/WPA3-Mixed" WLAN, and adds new WLAN type "802.1X EAP WPA2/WPA3-Mixed".

- QR Code Support

Unleashed system generates standard QR code so that mobile devices can access Wi-Fi automatically, depending on mobile device version and support.

- Web UI Enhancement - UI Generates Alarm Notification List from backend API

The UI provides alarm definition list that is fetched from the backend.

- Management VLAN

This release provides management VLAN support.

- Management ACL

This release provides management ACL support.

- 2.4G Mesh Support

This release provides 2.4G mesh support.

- Save AP core dump from master web UI

This release introduces the option of saving AP core dump files from the web UI. When an AP core dump occurs, a log file is created and stored on Unleashed, and the AP Diagnostic Information section lists the AP's MAC address, IP address, device name, description, and AP model.

- Open VPN Support

In this release, Unleashed system will provide CLI commands to bring up the openVPN daemon, maintain the openVPN tunnel, and debug the openVPN status and statistics.

- Status/Statistic Report

Customizing different intervals of different data types, like **wlan-report-interval**, **ap-report-interval**, and **client-report-interval**.

- Remove RUCKUS information in web UI

The Unleashed system will not provide any RUCKUS information in the web UI when **no-ruckus-information** is enabled in the master AP.

- A special portal for local database user to change password

This feature allows users to modify password of their accounts without the need for an administrator. Also, syslog will have a record of the users who change their passwords. This reduces the workload of the administrator effectively.

- Import multiple users into Local database by CSV file

This feature helps to import multiple user accounts into local database using a CSV file.

- LACP support for 11ax and wave2 AP in CLI

This feature provides LACP support for 11ax and wave2 AP in CLI.

Changed Behavior

- None

Hardware and Software Support

Supported Platforms

Unleashed version **200.10.10.5.229** 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	T750se
R750	
R850	

Upgrade Information

Supported Upgrade Paths

The following release builds can be directly upgraded to Unleashed version **200.10.10.5.229**:

Online Upgrade:

- 200.7.10.2.339 (Unleashed 200.7 GA)
- 200.7.10.102.64 (Unleashed 200.7 MR1)
- 200.7.10.102.92 (Unleashed 200.7 MR2)
- 200.7.10.102.94 (Unleashed 200.7 MR3)
- 200.7.10.202.118 (Unleashed 200.7 MR4)
- 200.7.10.202.121 (Unleashed 200.7 MR5)
- 200.7.10.202.127 (Unleashed 200.7 MR6)
- 200.8.10.3.243 (Unleashed 200.8 GA)
- 200.8.10.3.278 (Unleashed 200.8 MR1)
- 200.8.10.3.290 (Unleashed 200.8 MR2)
- 200.9.10.4.202 (Unleashed 200.9 GA)
- 200.9.10.4.212 (Unleashed 200.9 GA Refresh 1)
- 200.9.10.4.233 (Unleashed 200.9 GA Refresh 2)

- 200.9.10.4.243 (Unleashed 200.9 GA Refresh 3)

NOTE

To upgrade to 200.10 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 200.10.

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)
- 200.7.10.202.92 (Unleashed 200.7 MR2)
- 200.7.10.202.94 (Unleashed 200.7 MR3)
- 200.7.10.202.118 (Unleashed 200.7 MR4)
- 200.7.10.202.121 (Unleashed 200.7 MR5)
- 200.7.10.202.127 (Unleashed 200.7 MR6)
- 200.8.10.3.243 (Unleashed 200.8 GA)
- 200.8.10.3.278 (Unleashed 200.8 MR1)
- 200.8.10.3.290 (Unleashed 200.8 MR2)
- 200.9.10.4.202 (Unleashed 200.9 GA)
- 200.9.10.4.212 (Unleashed 200.9 GA Refresh 1)
- 200.9.10.4.233 (Unleashed 200.9 GA Refresh 2)
- 200.9.10.4.243 (Unleashed 200.9 GA Refresh 3)

Known Issues

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

Issue	UN-5291
Description	Master bonjour gateway is not working if the same VLAN is enabled for management interface.

Issue	UN-5000
Description	iOS devices that support 802.11r and WPA3 cannot associate to open-WPA23-mixed+802.11r WLAN.

Resolved Issues

Issue	UN-5279
Description	After prov.apk is installed, Android 10 phone is unable to connect to corresponding WLAN by way of "WiFiAutoConf" application.

Issue	UN-5083
Description	Multiple entries are generated for the same iOS or Android device if random MAC addresses are used by the iOS device.

Issue	UN-5070
Description	iphone with iOS 14.0.1 or later version is unable to connect to hotspot 2.0 WLAN.

Issue	UN-4130
Description	Error 403 appears for iOS devices when it tries to connect with a guest WLAN profile using a social login.

Resolved Issues

This section lists any customer-reported issues from previous releases that have been resolved in this release.

Issue	ER-9968
Description	Resolved an issue where Unleashed cannot add ICX switch to the dashboard sometimes.

Issue	ER-9976
Description	Resolved an issue on AP where Mesh would not function properly when management VLAN and LACP are both enabled.

Issue	ER-9983
Description	Resolved an issue related to vulnerabilities on Unleashed Master after disabling older TLS versions.

Issue	ER-10202
Description	Resolved an issue where "mcast-airtime" value was not correct on Unleashed AP.

COMMScope®
RUCKUS®

© 2021 CommScope, Inc. All rights reserved.
350 West Java Dr., Sunnyvale, CA 94089 USA
<https://www.commscope.com>