



Firmware Release Notes

Cisco Ultra Reliable Wireless Backhaul (formerly Fluidmesh) FM1000 and FM10,000 devices

First Published: May 24, 2022

Last Updated : May 24, 2022

Applicability

These firmware release notes are applicable to FM1000, FM10,000-series devices. (Note that this radio was formerly sold as the Fluidmesh).

This document contains important change information regarding the following device firmware version:

- FM1000 (1.6.0)
- FM10,000 gen1 (1.6.0)
- FM10,000 gen2 (2.3.0)

Firmware changelog

- Fix L2TP web page to report the correct remote port
- Fix issue managing duplicated IP with CLI “l2tp add” command
- Refactor CLI l2tp add/delete command: allow automatic tunnel IDs only (avoid possibility to set static tunnel IDs)
- Fix: Default route not reset after L3 failover
- Support new logs for Monitor
- Add upper-bound limit to VLAN ids in webui and CLI
- Add new DEMO Mode unlocking unlimited features
- Fix CLI SSH exploit major issue and improve CLI ssh (Additional information available here: <https://bst.cloudapps.cisco.com/bugsearch/Ref#CSCvz68909>)
- Refactor and improve CLI meshroute command (show, allow list/block list management)
- Add logic to enable/disable ethernet interfaces
- CLI: Add min rssi threshold to fluidity coloring command
- Generate configuration change logs (static routes, allow list/ block list, applet, user credentials)
- Improve ntp timer management and avoid potential issues when user is not authenticated
- Improve plugin notification management for Monitor, Racer and FMQuadro
- Improve custom SNMP OID management
- Fix SNMP issue managing fmTputTable OIDs (FM10,000 gen2 only)
- Prevent potential malicious code injection using Web UI
- Add missing IP validation to ping softdog page
- Improve (lighttpd) web server configuration for HTTPS redirect
- Avoid potential issue with fast failover feature and GARP CLI setting
- Improve Web UI logout logic
- Improve CLI view switching Racer online/offline
- Improve find service behaviour exiting from provisioning (limbo) mode
- Introduced usb command to enable/disable usb ports (FM10,000 gen2 only)
- Update certificate for Racer authentication.

Firmware Release Notes

Firmware changelog

The Cisco Ultra-Reliable Wireless Backhaul Partner Portal and all gateways firmware packages have been updated with new Cisco SSL certificates. All radios connected to Racer require a firmware upgrade to the aforementioned versions to keep working properly. For any additional information, please contact support@fluidmesh.com.

- Improve radius server switch logic and fix potential issue with timeout management
- Improve logic for managing plugin and multi-plugin (uploading CSV file) installation
- Fix SNMP issue switching v2c/v3 version: do not allow v2c queries when v3 is enable
- SNMP: change plugin bw unit from bit/s to Mbit/s
- Fix IP fragments corruption on Fluidity L3 vehicles

THE SPECIFICATIONS AND INFORMATION REGARDING THE PRODUCTS IN THIS MANUAL ARE SUBJECT TO CHANGE WITHOUT NOTICE. ALL STATEMENTS, INFORMATION, AND RECOMMENDATIONS IN THIS MANUAL ARE BELIEVED TO BE ACCURATE BUT ARE PRESENTED WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. USERS MUST TAKE FULL RESPONSIBILITY FOR THEIR APPLICATION OF ANY PRODUCTS.

THE SOFTWARE LICENSE AND LIMITED WARRANTY FOR THE ACCOMPANYING PRODUCT ARE SET FORTH IN THE INFORMATION PACKET THAT SHIPPED WITH THE PRODUCT AND ARE INCORPORATED HEREIN BY THIS REFERENCE. IF YOU ARE UNABLE TO LOCATE THE SOFTWARE LICENSE OR LIMITED WARRANTY, CONTACT YOUR CISCO REPRESENTATIVE FOR A COPY.

The Cisco implementation of TCP header compression is an adaptation of a program developed by the University of California, Berkeley (UCB) as part of UCB's public domain version of the UNIX operating system. All rights reserved. Copyright © 1981, Regents of the University of California.

NOTWITHSTANDING ANY OTHER WARRANTY HEREIN, ALL DOCUMENT FILES AND SOFTWARE OF THESE SUPPLIERS ARE PROVIDED "AS IS" WITH ALL FAULTS. CISCO AND THE ABOVE-NAMED SUPPLIERS DISCLAIM ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, THOSE OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OR ARISING FROM A COURSE OF DEALING, USAGE, OR TRADE PRACTICE.

IN NO EVENT SHALL CISCO OR ITS SUPPLIERS BE LIABLE FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES, INCLUDING, WITHOUT LIMITATION, LOST PROFITS OR LOSS OR DAMAGE TO DATA ARISING OUT OF THE USE OR INABILITY TO USE THIS MANUAL, EVEN IF CISCO OR ITS SUPPLIERS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Any Internet Protocol (IP) addresses and phone numbers used in this document are not intended to be actual addresses and phone numbers. Any examples, command display output, network topology diagrams, and other figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses or phone numbers in illustrative content is unintentional and coincidental.

All printed copies and duplicate soft copies are considered un-Controlled copies and the original on-line version should be referred to for latest version.

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco website at www.cisco.com/go/offices.

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: www.cisco.com/go/trademarks. Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)

© 2021 Cisco Systems, Inc. All rights reserved.