



Firmware Release Notes

Cisco Ultra Reliable Wireless Backhaul (formerly Fluidmesh) FM10000 (Generation 2) gateway

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Applicability

These firmware release notes are applicable to second-generation FM10000 gateways only.

This document contains important change information regarding the most current device firmware version (2.1.0).

New hardware features

The second-generation FM10000 is an all-new hardware device featuring greater processing power and higher all-round capabilities.

There is no hardware commonality between first-generation and second-generation FM10000 devices. The front panel of the second-generation FM10000 features a new, different arrangement of controls and ports. The new configuration is shown in the image below:



Firmware changelog

The following device-specific changes were introduced for firmware version 2.1.0:

- **Telemetry:** A new telemetry protocol has been introduced, featuring support for FM-QUADRO 2.0.
- **Fluidity:**
 - An access-point coloring feature has been introduced to distinguish between Fluidmesh APs installed on different train tracks, in open sections of railway.
 - A pole-proximity safe MCS feature has been added.
 - A combined pole-proximity protocol has been added. This combines the established pole-ban functionality with LER detection: if a current pole to which it is possible to connect has been banned, and the LER at the currently connected pole is too high, the banned pole is unbanned, and the safe-mcs parameter is set to allow pole proximity.
 - A pole-proximity dynamic duration feature has been added, allowing radios to automatically estimate pole ban durations.
 - The Webserver functionality has been updated with support for FM-QUADRO 2.0 and various security fixes.

Bug fix changelog

The following bug fixes were introduced for firmware version 2.1.0:

Bug fix changelog

- A potential memory leak involving packet fragmentation was fixed.
- A bug was fixed, whereby Native VLAN tags were not preserved across the wireless network if radios are in Bridge Mode.

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