

AerDocsis System Software Software Release Notes

lomoM6 20.2.7568

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1. Compatible devices and minimum versions

Product family	Devices	Minimum versions
Base Stations		
BS400 y BS800	AXS-BS-450-N AXS-BS-452-N AXS-BS-850-N	HoneybeeM1 19.6.6172

2. What's new in this release?

2.1 Improvements

2.1.1 Common to all devices

Users balance

The users balance algorithm has been modified to prevent unnecessary carrier changes. Under channel conditions close to the threshold that determines the choice of one modulation or another, a CPE could constantly switch between two carriers. To avoid this, new requirements have been added for a CPE to be able to return to the carrier it was previously connected to.

Internal

Support for new product references has been added.

2.2 Applied Solutions

2.2.1 Common to all devices

Radio startup

The radio startup mechanism has been modified to prevent certain internal system inter-process communications from taking too long to respond, which caused short-duration freezes.

A bug has also been fixed that, on very rare occasions, caused a radio to fail to start, requiring a second startup attempt and thus increasing the time needed for the device to become fully operational.

Users balance

A bug has been fixed that caused the signal statistics of CPE450 units to display BPSK modulation on the downlink channel even with good CINR levels and no interference.

Internal

Bugs have been fixed that caused some internal communications with the radios to be duplicated.

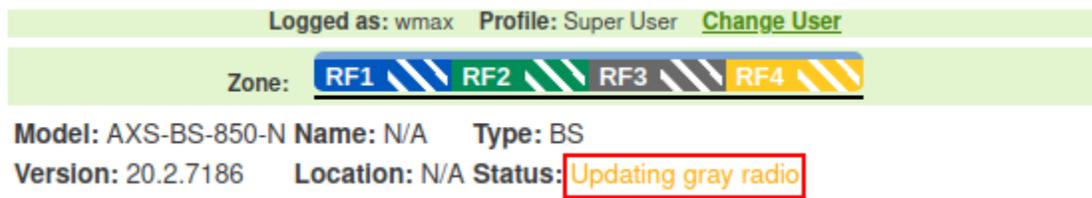
3. Important notes

3.1 IMPORTANT NOTE: BS800 with serial number A22.

This firmware update process will automatically stop MACs before updating on AXS-BS-850 base stations with serial numbers starting with A22. Therefore, a service outage will occur from the moment the update starts.

3.2 IMPORTANT NOTE: Radio FW update.

After updating to this release and restarting the device, the system will check if it needs to make updates to the radios' firmware, so it may take longer than usual to be fully operational. If these updates are necessary, the system will notify you on the website with a message as shown in the following image:



It is important that the equipment is not turned off electrically until the update is completed. Otherwise, the firmware may be corrupted and it will be necessary to send the device to the factory for manual updating.

The devices that may require this additional update step are the following:

Model	Serial number
AXS-BS-850-N	A24XXX, A22X1X
AXS-BS-452-N	A25XXX, A23X04, A23X05
AXS-BS-450-N	All