

AerDocsis System Software Software Release Notes

lomoM3 20.2.7233

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1. Compatible devices and minimum versions

Product family	Devices	Minimum versions
Base Stations		
BS100	AXS-BS-150-N	HoneybeeM1 19.6.6172
User Terminals		
CPE100	AXS-CPE150-15 AXS-CPE150-RS	HoneybeeM1 19.6.6172
CPE200 CPE300	and AXS-CPE250-15 AXS-CPE250-RS AXS-CPE350-15 AXS-CPE350-RS	HoneybeeM1 19.6.6172
SU1100	PRO-SU-1150-23 PRO-SU-1150-N	HoneybeeM1 19.6.6172
SU1200 and SU1300	PRO-SU-1250-23 PRO-SU-1250-N PRO-SU-1350-23 PRO-SU-1350-N	HoneybeeM1 19.6.6172

CPE400	AXS-CPE450-15 AXS-CPE450-RS	HoneybeeM1 19.6.6172
Radio Links		
LNK100	LNK-LU1150-N LNK-LU1150-23	HoneybeeM1 19.6.6172
LNK400	LNK-LU452-N	HoneybeeM1 19.6.6172

2. What's new in this release?

2.1 New features

2.1.1 Common to all devices

Frequency range extension

The frequency range in the upper part of the spectrum has been increased. Previously it was up to 5875 MHz and now it has been extended to 5940 MHz.

It is necessary for the base station to support this extended frequency range in order to operate on the new channels. The current version of the base station software does not yet support this range.

Increase in maximum power

The maximum transmit power of the CPEs has been increased to 28dBm. After the upgrade, they will maintain the default limit of 23 dBm.

It will need to be manually modified in order to exceed this power.

For power above 23 dBm, the maximum 64-QAM modulation cannot be used.

Increasing the power is useful in environments where uplink noise conditions are generating a high level of interference, or no longer allow modulating directly to 64-QAM. As long as it is guaranteed that the power increase does not exceed the legal EIRP.

2.2 Improvements

2.2.1 CPE450 User Terminals

Uplink performance

Upstream performance has been improved for this device, which increases the frame division ratio (AST).

2.3 Fixed bugs

2.3.1 CPE450 User Terminals

Radio disconnections

Since the lomoM1 software version, the user lost connection or failed to reconnect after a signal cycle or spectrum analysis, respectively.

2.3.2 Multiradio User Terminals (CPE250/350/450)

Downstream statistics

Since software version lomoM1, in multi-radio user terminals, the downstream interference is occasionally artificially high.

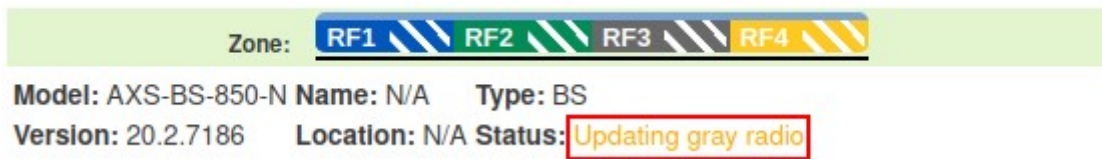
Radio startup

Fixed a problem where some user terminals occasionally fail to start the radios.

3. Important notes

3.1 IMPORTANT ANNOUNCEMENT: 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 numbers
LNK-LU452-N	D50002, D50003, D50303, D50603