

AerDocsis System Software Software Release Notes

lomoM11 20.2.7769

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1. Compatible devices and minimum versions

Product family	Devices	Minimum versions
Base Stations		
BS400 and BS800	AXS-BS-450-N AXS-BS-452-N AXS-BS-850-N	HoneybeeM1 19.6.6172
User Terminal		
CPE400	AXS-CPE450-15 AXS-CPE450-RS	HoneybeeM1 19.6.6172

2. What's new in this release?

2.1. New Features

2.1.1. *User Terminals*

Configuration Files

The configuration file download interface allows you to customize the file name based on device identification parameters, for both the current file and the backup.

Health Monitor

The performance of internal algorithms has been improved.

2.2 Improvements

2.2.1 *User Terminals*

Health Monitor

The performance of internal algorithms has been improved.

Faster Spectrum Analysis

Spectrum analysis has been optimized to take less time, minimizing the duration devices are offline.

Web

Several changes have been made to the classic web interface to improve information display and facilitate interaction with devices:

- Shutting down the radio system will now require confirmation to prevent accidental service interruptions.
- Redundant text has been removed.
- The “Location” and “Name” fields are not displayed if they do not contain useful information, both in the header and in the System Info table on the Status & Alarms web page.

- The type (BS/SS) is not displayed in the header if the device can only have a single value.
- The serial number is displayed in the header.
- The action icons (add, delete, copy, etc.) have been updated to improve usability.
- The “Features” and “CA Certs” menu items have been removed.
- The status of the wired link is not displayed if the device is configured for auto-negotiation and no link has been established.
- The main content of the page no longer scrolls below the menu if the browser window is not wide enough.
- Several data tables have been modified so that their column widths do not change between refreshes.
- The frequency readings in the spectrum analyzer graphs would take on a value during analysis and change when the analysis ended. Now, only the correct value is displayed when the analysis ends.
- The tables on the Traffic Stats page no longer display non-numeric or incorrect values when the radios are stopped.
- Visual adjustments have been made to the Radio Setup page.
- The regulatory region control has been moved to Radio Setup, with a warning that active radios will be restarted when it is changed.
- The format of the Uptime field has been standardized for the Status & Alarms tables.
- Messages on the Cell Setup web page have been replaced with more descriptive ones.

Log

Redundant log messages have been removed.

Internal

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

Unnecessary processes that caused false errors in the startup log file have been removed.

2.2.2. BS450/850 Base Stations

Internal

Some commissioning processes have been optimized.

2.3 Fixed Issues

2.3.1 User Terminals

Uplink Interference

Fixed an issue that caused interference on the second uplink radio to increase and prevented it from recovering even when channel conditions were good.

Spectrum Analysis

The “Run Once” spectrum analysis used to rescan the initial frequencies before finishing. It now scans each frequency only once.

Fixed a bug that prevented radios from turning on automatically after continuous-mode spectrum analysis if they were previously turned on.

Occasionally, radios failed to restart after a failure during spectrum analysis.

Web

Sensitivity adjustment in the spectrum analyzer now works correctly.

Radio Startup

Radio startup has been improved to prevent brief freezes and unnecessary retries.

2.3.2. BS450/850 Base Stations

DFS

Fixed a bug in devices with multiple zones: when changing a sector’s frequency via DFS, the frequencies of sectors in other zones were not taken into account to avoid overlap.

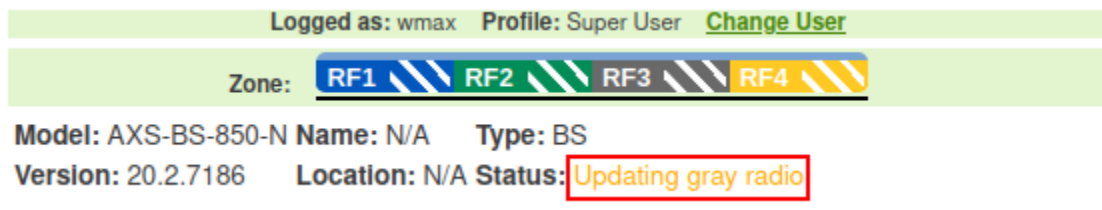
3. Important notes

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