albentia
systems

AerDocsis System Software

Software Release Notes

IomothM2 20.2.7186

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Contents

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

2. What's new in this release?

2.1 Enhaced features

2.1.1 Common to all devices

Internal GPS synchronization

The internal synchronization mechanism of the radios has been improved. In the event of configuration changes that require stopping and starting the radios again, the device resynchronizes much faster than in previous versions.

2.2 Fixed bugs

2.2.1 Common to all devices

Frequency hopping

Fixed an issue where user terminals with several uplink radios would not return to the original carrier if they were switched to another carrier where they did not receive signal from the base station. This could occur due to manual changes or during balancing of user terminals.

Internal GPS synchronization

Fixed an issue where base station radios could sometimes remain in "Time Syncing" state indefinitely.

Radio start

Errors related to starting radios have been corrected that could cause some radios to fail to start on certain occasions.

Service interruption

In some locations with a high level of radio or conducted interference, one or more radios can cause a shutdown of the entire MAC with the consequent interruption of service. As soon as the external stimulus disappears, the service is automatically recovered.

Changes have been made to various points in the system to make it immune to these sources of crashes. In addition, its robustness has been improved so that the temporary failure of a radio, due to this or any other cause, does not affect the entire base station. When the crashed radio recovers quickly, the equipment will continue to function normally.
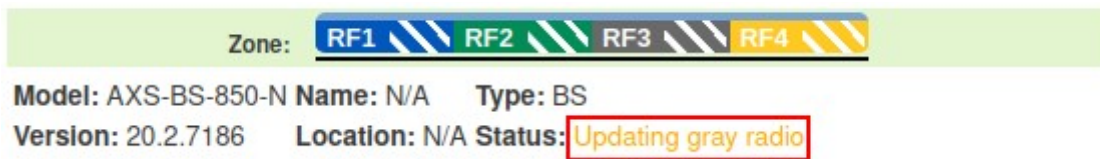
3. Important notes

3.1 IMPORTANT ANNOUNCEMENT: 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 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
AXS-BS-850-N	A24XXX, A22X1X
AXS-BS-452-N	A25XXX, A23X04, A23X05
AXS-BS-450-N	All