



Release Information Wireless Bridge Ethernet

7079 – Wireless Bridge
Ethernet
Bluetooth SW
Version 2.3.0
20160526

This release to HMS contains:

Type	File	Label	File updated in this release
This document	-	-	Yes
Bluetooth code	cB-2206 (epa_bluetooth_2.3.0).cbz	2.3.0	Yes
Flash loader	Setup EPA Flash Loader.exe	2.2	Yes
Boot loader	boot_loader.bin	2.2	No



Reason for release:

New Features:

- * AT command export is now stored as a file.
- * Refactor Bluetooth package queue handling.

Bug Fixes:

- * Fixed buffer overrun for "AT*" command.
- * Fixed some bugs in HTTP server.
- * Fixed memory overwrite issue for Bluetooth EPA.
- * Added missing Profinet S-regs to AT* list.
- * Bluetooth EPA now uses same 404.html as WLAN and is stored in static fs.
- * Fixed unstable Bluetooth inquiry.
- * Fixed buffer overrun for AT ERROR and OK.

Affected functionality

		Description
Affected functionality	<ul style="list-style-type: none"><input type="checkbox"/> Bootloader<input type="checkbox"/> AT interface<input type="checkbox"/> GUI interface (Web pages)<input type="checkbox"/> Default configuration settings<input type="checkbox"/> Network conformity<input checked="" type="checkbox"/> Application interface<input type="checkbox"/> WLAN interface<input checked="" type="checkbox"/> Bluetooth interface<input type="checkbox"/> IT-functionality<input type="checkbox"/> Stability<input type="checkbox"/> Specify (remove if not used)<input type="checkbox"/> Other	

Compatibility:

The release is compatible with version 2.2.2.



Hardware

NOTE!: This update is only applicable for HMS Wireless Bridge Ethernet - Bluetooth products:
RBE221

Issues:

No known issues

SW upgrade:

The product must have been delivered with FW >2.x.x to be able to update.

Products with FW 2.0.X needs to be updated two times. (The one update will execute an update of the radio-FW, the other the application FW).

The firmware in the Wireless Bridge can be updated using Setup EPA Flash Loader.

.NET v2.0

To run the EPA Flash Loader, ".NET Framework v2.0" must be installed on your computer. It can be downloaded from "<http://www.microsoft.com/downloads>".

Initialisation

When the EPA Flash Loader is run the first time it creates a key in the registry, no ini-files will be saved on the harddrive.

Network

The toolbox can, by default, not be run over a network for .NET security reasons.

To do this, the security level for the requested zone (e.g. local intranet) must be changed to "Full Trust". This can be done using an administrative program called "Microsoft .NET Framework 2.0 Configuration". It is recommended that it is not changed without consulting your IT administrator.

Known limitations:

No known limitations.



Updates in earlier versions:

Updates in version 2.2.2.

Software Release Notes

- * Radio firmware updated to v5.2.1.
- * Improvement of Bluetooth connection procedure for OBS421-24 radio module.
- * Bugfix for AT*AMCM.

If an invalid channel map is sent to the device it returned ERROR but still stored the new channel map. Now the channel map will not be overwritten.

- * Bugfix for Bluetooth connection when using AT*ADWDRP.

Any previous connection was not properly disconnected before reconnect.

- * Bugfix for Bluetooth inquiry.

The device could sometimes reboot during inquiry.

- * Bugfix for Ethernet 10 Mbit/s half-duplex.

When the EPA was connected to a 10 Mbit/s half-duplex Ethernet device each packet sent by the EPA was echoed in the Ethernet controller.