



Release Information Wireless Bridge Ethernet

7079 – Wireless Bridge
Ethernet
SW
Version 2.5.0
20160526

This release to HMS contains:

Type	File	Label	File updated in this release
This document	-	-	Yes
WLAN code	cB-2207 (epa_wlan_2.5.0).cbz	2.5.0	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.
- * Forced 2.4 GHz Regulatory Domain to World.
- * Removed BDP.
- * Scan result is now sorted by mode and SSID.
- * DHCP relay is turned off as default.

Bug Fixes:

- * Fixed buffer overrun for "AT*" command.
- * Fixed some bugs in HTTP server.
- * Added missing Profinet S-regs to AT* list.
- * Fix minor issue in SNMP for W-Lan settings.
- * Fix buffer overread in AT*AGBSSID.
- * Fixed reboot on reception of LLDP packet in Ethernet bridge mode when $ATS4010 > 0$.
- * Fixed issue with 10 Mbps half duplex Ethernet for WLAN EPA.
- * Fixed buffer overrun for AT ERROR and OK.
- * Fixed channel list problem with older WLAN EPAs using the OWL221ax module.
- * Fixed buffer overrun for AT*AGSCAN when radio is deactivated with AT*AMWID.

Affected functionality

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 checked="" type="checkbox"/> WLAN interface<input 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 2.4.1.



Hardware

NOTE!: This update is only applicable for HMS Wireless Bridge Ethernet - WLAN products:
RWE2X1

Issues:

No known issues

SW upgrade:

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 2.4.1

Removed Seamless Roaming function (major update).

- BDP functionality removed.

* WLAN driver watchdog enabled.

* Fix: Wireless Bridge could in rare cases connect to WLAN AP with channel that is not in the channel list.

* Critical Fix: Using WPA with some APs could result in a memory overwrite.



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Updates in version 2.4.0.

Updated WLAN driver (major update).

- Now supports EN 300 328 v1.8.1.
- Support for Ad-Hoc Joiner/Creator.
- Lots of fixes.
- * Added Ad-Hoc Joiner/Creator to web interface.
- * Added support for multicast tunneling.
- * Ad-Hoc initiator SMART modes now scan on all channels in order to find dual band Wireless Bridges.
- * Fixed bug when using 32 character SSID.
- * Fixed web interface roaming bugs.
- * Fixed issue with sending a lot of AT-commands through telnet.
- * Various minor fixes.