

RELEASE NOTES - WLAN EPA

Document Revision

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1 Introduction

This document is valid for the WLAN Ethernet Port Adapter

2 Release History

Release	Date	Comment
1.2.2	2009-12-04	<ul style="list-style-type: none"> • Fixed SMART Configuration mode (enables configuration interfaces, disables DHCP client and reverts the IP settings to factory default) • Fixed bug with channel list and regulatory domain • Fixed bug when setting SSID to "" and the WEPA started to scan • Fixed *AMRSS and AMDST events to only send one carriage return, according to the AT-command specification. • Fixed bug in SMART mode 6 and 7 (Ad-Hoc with Profinet optimizations) • Fixed bug with PEAP • Added domain configuration for PEAP and LEAP • Added Certificate fingerprint configuration option for PEAP • Fixed bug related to group re-keying (WPA) • Improved connection times if first scan failed. Make sure you are either connected or disconnected before issuing AT*AGSCAN. Otherwise it's very unlikely that you will receive any results.
1.1.1	2009-06-25	<ul style="list-style-type: none"> • Added possibility to configure the functionality of the SMART button (push and hold functionality). Disconnect/connect, toggle LEDs and soft reset are available • Added possibility to turn off all LEDs after configurable time • Added possibility to configure the SMART function list • Added SMART mode DHCP server. • Added SMART mode Initiate Ad-Hoc Multi • Added possibility to configure channel list • Added possibility to scan for a defined SSID on a defined channel • Improved Connection behavior (Ad-Hoc) • Improved roaming algorithm (averaging RSSI with threshold to start background scanning) • Fixed bug causing Ethernet MAC address to be FF:FF:FF:FF:FF:FF in External wireless • Added possibility to connect to BSSID with WPA/WPA2 without configuring SSID • Added AT command to set BSSID • Added AT command to trigger firmware upgrade (requires boot loader update to work properly).
1.0.7	2009-03-07	<p>Official 1.0.7 release</p> <ul style="list-style-type: none"> • Added possibility to configure a device in external wireless mode via WLAN using layer-2 configuration • Fixed bug in SPI driver when padding Ethernet packets to minimum size • Only change channel number if not previously configured during SMART configuration • Detects MIC Failure for AES/CCMP as well as for TKIP • Added External wireless to web configuration page • Fixed bug in SMART mode that caused a reboot before configuration completed
1.0.6	2009-02-13	<p>Official 1.0.6 release</p> <ul style="list-style-type: none"> • Decreased memory in WLAN driver to avoid reboot caused by out of memory • Updated WEB pages, only use one set button per configuration group • Increase queue size for management packets to avoid assert when using smart modes • Fixed bug that caused the EPA to hang while trying to associate
1.0.5	2009-02-04	<p>Official 1.0.5 release</p> <ul style="list-style-type: none"> • Decreased memory use in Ethernet driver to avoid reboot caused by out of memory

1.0.4	2009-02-03	Official 1.0.4 release <ul style="list-style-type: none"> • Fixed bug making it impossible to use channel 14 • Decreased queue in Ethernet driver to avoid reboot when heavily loaded • Fixed bug causing a reboot if using layer-2 configuration in External wireless mode
1.0.3	2009-01-15	Official 1.0.3 release. <ul style="list-style-type: none"> • Ethernet LEDs fixed • Fixed bug that led to a non connectable unit after a restore to static defaults • Only reports one error when reading or writing all parameters from web page • DHCP bug fixed, didn't get addresses from all servers due to that the client address was set in discover and request • Always tries to get new DHCP address after link establishment • Fixed bug in SNMP. FWCtrlPasswdSuccess never returned notSuccessful(2) • Fixed some AT commands that didn't had quotes in their string response • Fixed a bug causing the EPA to fail the reconnect attempts after receiving a disassociation request from an AP
1.0.2	2008-12-15	Official 1.0.2 release.

3 Known Limitations and Notes

Release	Known limitations
1.2.2	<ul style="list-style-type: none"> • Scanning while the EPA is trying to connect is likely to fail. Disconnect, clear the SSID or establish a connection to get results for the AT*AGSCAN command.
1.1.1	<ul style="list-style-type: none"> • SMART mode 6 and 7 (Profinet optimizations) does not work in release 1.1.1
All	<ul style="list-style-type: none"> • When the WLAN EPA acts as an Ethernet bridge, the size of the Ethernet packets can have an huge impact on the performance. This comes from the fact that the Ethernet packets are transmitted in an UDP tunnel forcing big packets (>-1400 bytes) to be fragmented.

4 Support

Please report the problems experienced with your Ethernet Port Adapter to support@connectblue.com. The problem report must include:

- FW Version
- Detailed description of the problem

5 Product Information and Software Upgrades

To receive information about upcoming connectBlue products and upgrades please register a support account on www.connectblue.com.