

Release Notes – Wireless LAN Serial Port Adapter

Introduction

Congratulations on your purchase of a connectBlue Wireless LAN Serial Port Adapter.

This document is valid for the following serial port adapter models:

- cB-OWSPA311g

Release History

Release	Date	Comment
1.6.6	2009-11-12	Minor data flow fix.
1.6.5	2009-10-16	Use of Switch-0, if pressed the serial interface is re-configured to use the fixed settings of 57600 baud. Received Power status using LED outputs RED, GREEN, and BLUE according to a fixed table. Error indicator, this will be indicated by flashing RED led, that also are used for the Received Power status. Current AT*AILVI command is updated and accepts a writing of a 40 bytes large identifier. Default settings button implemented on PIN J2-13 (Switch-1).
1.5.9	2009-04-09	Improved ad-hoc performance. Blue led more tied to link layer activity. Now blinks on received link layer packets. Added LLDP functionality.
1.4.3	2008-09-24	Added: AT*AGCL AT command, DTIM control (S3022), ad-hoc retry timeout (S4008), association delay (S4009), compensation for Intel 3945ABG/4965AG frame sequence number bug. Minor ad-hoc fix, multipoint fix.
1.3.12	2008-06-23	New WLAN firmware: 1.4.3.29. Added: BT coex control (S3016), "Intel compatibility mode" (S3017), Association Power (S3015), Dynamic Transmit Power control (S3013)
1.3.10	2008-04-18	Ad-hoc mode: power save fix, automatic channel selection fix. Added DHCP server capabilities. Watchdog "disconnect reset" fix. User can select if module shall start in AT mode or in data mode.
1.3.9	2008-02-01	WPA key recalculation fix
1.3.8	2008-01-25	Any baud rate fix, roaming improvements
1.3.7	2007-12-20	Minor persistent storage fix.
1.3.6	2007-12-16	Power save, DNS, Faster roaming, Scanning
1.1.3	2007-10-31	WPA roaming fix
1.1.2	2007-10-15	Minor UDP bug fix
1.1.1	2007-09-14	New security modes: LEAP, WPA-PSK, WPA2-PSK
1.0.9	2007-06-27	Added RS422/RS485 support
1.0.8	2007-05-29	First official release.

Version Compatibility

All user settings will be set to factory defaults when upgrading to the new release. Please backup your settings before upgrading.

Known Limitations and Notes

1. Communication in an ad-hoc network together with wireless LAN cards based on Intel 3945ABG or Intel 4965AG chipsets might show data drop-outs due to a firmware bug of Intel. The OWSPA311g has a built-in compensation for this and it is enabled per default. (S-registers S3016 and S3017) See AT command specification for more details.

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Anomaly Reports

If you experience problems with your Wireless LAN Serial Port Adapter please fill out an anomaly report and email it to support@connectblue.se. The mail should contain the following entries:

- SPA application and WLAN firmware versions used. Use AT*AILVI result.
- Instructions how to reproduce the problem.

Product Information and Software Upgrades

To receive information about upcoming connectBlue products and upgrades please register via email at support@connectblue.se.