



4.2 32-bit RC Release Notes

**Build 4.2.0.82 (WLAN)
Build 4.2.0.358 (APPS)**

Version 1.0

September 13, 2005



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1 Overview

This is the release candidate for Atheros 4.2 WLAN software. It is comprised of the 4.2.0.358 Applications and the 4.2.0.82 WLAN Driver. It supports all the new features listed in the sections under each component. This release has been through the testing listed in the Testing section below.

2 Driver

New features supported in this release are:

- Regulatory Enhancements (802.11j, US 4.9GHz public safety)
- Support Microsoft home AV streaming requirements.
- Power Management Improvement
- PCI-Express WLAN chipset (XB62) support

3 Applications

The new features supported in this release are:

- MSI Installer for XP 32-bit
- Windows Unicode Applications
- PEAP with client certificate
- Configurable scan list
- No reboot required for software install when there's no GINA
- Support for Regulatory Enhancements (802.11j, US 4.9GHz public safety)
- Secure Session Resume
- Locked Profiles

4 Testing

Atheros Solutions Product Engineering has run the following test suites:

- Minimal Acceptance Test (MAT)
- Functional Test (FUNC)
- SMOKE
- Security MAT
- ACU
- MSI Installer
- InstallShield Installer
- Performance
- Super-G



- Scanning
- Roaming
- Power Management
- Global Mode
- WHQL
- WiFi 11a/11g
- WMM
- WPA2
- CCX 1/2/3
- RM

5 Hardware platforms tested

Atheros SPE has run the tests on CB32, CB42, CB62 and MB62.

6 Limitations

Following are the known limitations:

- Previous installed software from InstallShield should be upgraded/uninstalled using InstallShield installer.
- PCI-Express WLAN chipset (XB62) was not tested and this software should not be considered as final release candidate for XB62.