Release Notes

SD50NBT – Android

Version 3.5.4.16

This document provides release notes for version **android-laird-release-3.5.4.16** of SD50NBT radio software as well as previously distributed release notes.

Release notes are a summary of new and enhanced features, resolved issues, and known issues that are not resolved in this version. Consult the User's Guide for details on the features of this software release.

- Software Version android-release-3.5.4.16
- Software Version android-release-3.5.0.2

SOFTWARE VERSION ANDROID-LAIRD-RELEASE-3.5.4.16

Released June 2017

Software part number: SD50ADLT1-170602
OS: Android

Release Package Contents

The release package consists of the following:

- Android LCM to control Laird-specific radio functionality from the Android OS
- Laird-enhanced firmware for the 50 series radios and board calibration file
- Laird-specific wpa_supplicant which provides CCX and driver-specific functionality
- Laird driver backports package

Resolved Issues

Supplicant

- Resolved an issue that caused the regulatory domain to be set incorrectly. (11141)
- Improved detection of incorrect parameters passed into various functions. (11185)

Firmware

- Radio is no longer slow to connect on DFS channels. (9177)
- Corrected .11h power constraint handling and removal. (9036, 9260)
- Regulatory updates for FCC. (9465, 9541)
- Modified the noise floor update algorithm to consistently pass the ETSI EN300 328 v1.9.1 requirement for short control signalling transmissions during the adaptivity tests. (9540)

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http://ews-support.lairdtech.com
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- Corrected issues with CCX RM request handling that could cause the firmware to become unresponsive. (7542, 10325)

Known Issues

Firmware

- CCX features cannot be disabled. (4470)

- When the 50 radio receives a CCX radio measurement request from a Cisco AP that requests an off-channel scan on multiple channels, the 50 radio only returns a measurement report for the first channel in the list. (8446)

LCM

- When creating a PEAP profile using the LCM on KitKat, the inner method cannot currently be configured. (9248)

SOFTWARE VERSION ANDROID-RELEASE-3.5.0.2

Released April 2016

Software part number: SD50ADLT1-160405
OS: Android

Release Package Contents

The release package consists of the following:

- Android LCM to control Laird-specific radio functionality from the Android OS

- Laird-enhanced firmware for the 50 series radios and board calibration file

- Laird-specific wpa_supplicant which provides CCX and driver-specific functionality

Initial Release

This is the initial Android software release for the SD50 radio. The following are the primary features of the 3.5.0.2 build:

- Android LCM

- Allows full, detailed, and streamlined configuration of all natively-supported security types

- Provides up-to-date status and connectivity information

- Allows control of Laird-specific Wi-Fi configuration variables

- Android WPA Supplicant with support for Jellybean and KitKat. (8199)

- Includes Laird-enhanced security

- Improved standard WPA supplicant roaming capabilities for Android

- Allows Laird-specific driver configuration to be used in tandem with the Android LCM

- Software support for Bluetooth provided using the Bluez stack on Jellybean and KitKat. (8986)

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Known Issues

Firmware

- Radio is sometimes slow to connect on DFS channels. This is seen predominantly at first boot when operating with APs with a beacon period configured to be approximately 100ms. (9177)
- CCX features cannot be disabled. (4470)
- When the 50 radio receives a CCX radio measurement request from a Cisco AP that requests an off-channel scan on multiple channels, the 50 radio only returns a measurement report for the first channel in the list. (8446)

LCM

- When creating a PEAP profile using the LCM on KitKat, the inner method cannot currently be configured. (9248)

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