

Release Notes

LWB

Version 7.0.0.52

This document provides release notes for the following LWB radio software packages:

- backports-laird-7.0.0.52 (930-0075-7.0.0.52)
- 480-0079-7.0.0.52 (Firmware, Sterling-LWB, FCC and IC)
- 480-0080-7.0.0.52 (Firmware, Sterling-LWB, ETSI and RCM)
- 480-0116-7.0.0.52 (Firmware, Sterling-LWB, Giteki)
- sterling_supplciant-arm-7.0.0.52 (930-0087-7.0.0.52)
- sterling_supplciant-x86-7.0.0.52 (930-0088-7.0.0.52)
- All 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/Firmware Version 7.0.0.52](#)
- [Software/Firmware Version 6.0.0.121](#)
- [Software/Firmware Version 5.0.0.22](#)
- [Software / Firmware Version: 3.5.5.18](#)
- [Software Version backports-laird-3.5.4.2, 480.0079-R1.0 and 480-0080-R1.0 firmware](#)
- [Software Version backports-laird-3.5.2.19](#)

SOFTWARE/FIRMWARE VERSION 7.0.0.52

Released March 2019

Software part numbers: 480-0079-7.0.0.52, 480-0080-7.0.0.52, 480-0116-7.0.0.52, 930-0075-7.0.0.52, 930-0087-7.0.0.52, 930-0088-7.0.0.52

OS: Linux, Android 7, Android 8

New or Enhanced Features

- Updates backports to support building drivers for Linux kernels up to 4.19
- Adds support for Android 8. Android 8 support is considered an engineering quality release.

Resolved Issues

Supplciant

- Updated Sterling Supplciant to align with wpa_supplciant version 2.7. (14013)

Known Issues

No known issues at this time

SOFTWARE/FIRMWARE VERSION 6.0.0.121

Released December 2018

Software part numbers: 480-0079-6.0.0.121, 480-0080-6.0.0.121, 480-0116-6.0.0.121, 930-0075-6.0.0.121, 930-0087-6.0.0.121, 930-0088-6.0.0.121

OS: Linux, Android 7

New or Enhanced Features

- Updates backports to support building drivers for Linux kernels up to 4.14

Resolved Issues

Wi-Fi Firmware

- Resolves a firmware crash
- Fixes an issue causing excessive current consumption with both Wi-Fi and BT enabled
- Resolves several issues negatively impacting Wi-Fi throughput.

BT Firmware

- Updates the Bluetooth firmware to address security vulnerability CVE-2018-5383. Please refer to the statement from the [Cert Coordination Center](#) for additional information.

Known Issues

No known issues at this time

SOFTWARE/FIRMWARE VERSION 5.0.0.22

Released July 2018

Software part numbers: 480-0080-5.0.0.22, 480-0079-5.0.0.22, 480-0116-5.0.0.22, 930-0075-5.0.0.22, 930-0087-5.0.0.22, 930-0088-5.0.0.22

OS: Linux, Android 7

New or Enhanced Features

- Includes Sterling supplicant builds for ARM and x86.
- Adds support for Japan regulatory domain.
- Adds support for Android 7

Resolved Issues

- The WPA2 KRACK vulnerability has been resolved. (12164, 12165)

Known Issues

No known issues at this time

SOFTWARE / FIRMWARE VERSION: 3.5.5.18

Released September 2017

Software part numbers: 480-0080-3.5.5.18, 480-0079-3.5.5.18, 930-0075-3.5.5.18

OS: Linux

New or Enhanced Features

- Added ability to create Wi-Fi direct connections

Resolved Issues

- Fixed instability in the firmware causing lockup when operating in AP / STA concurrent mode operation
- Resolved inability of the firmware to use the internal encryption hardware for AP mode WPA2/PSK connections

Known Issues

No known issues at this time

SOFTWARE VERSION BACKPORTS-LAIRD-3.5.4.2, 480.0079-R1.0 AND 480-0080-R1.0 FIRMWARE

Released December 2016

Software part numbers: 480-0079-R1.0, 480-0080-R1.0, 930-0075-R2.0 (LWBLXLT1-161202)

OS: Linux

New or Enhanced Features

- LWB software release
 - Added support for concurrent AP/STA mode using 2 different MAC addresses.
 - Enabled Bluetooth support.
 - Provided support in FCC domain to prevent operation on channels 12 & 13. Support for FCC and ETSI regulatory domains are separated. End devices for use within USA or Canada must use the FCC firmware package 480-0079-R1.0. End devices for use in the Rest of the World should use the ETSI firmware package 480-0080-R1.0.

Known Issues

No known issues at this time

SOFTWARE VERSION BACKPORTS-LAIRD-3.5.2.19

Released June 2016

Software part number: LWBLXLT1-160606

OS: Linux

New or Enhanced Features

- Initial LWB software release
 - Support for 2.4 GHz Wi-Fi connectivity
 - Functions using the upstream Broadcom full MAC driver
 - Support for the following connection types using the native wpa_supplicant: WEP40 and WEP104, WPA TKIP/AES PSK, WPA2 PSK, WPA EAP-TLS, WPA PEAP-MSCHAP, WPA2 EAP-TLS, WPA2 PEAP-MSCHAP

Known Issues

The following are currently unsupported features:

- Bluetooth
- AP mode