



Bluetooth[®] Real-Time Locating Library 8.0.0.0 GA

Simplicity SDK Suite 2024.6.0

June 5, 2024

Silicon Labs is a leading vendor in Bluetooth hardware and software technologies, used in products such as sports and fitness, consumer electronics, beacons, and smart home applications.

The Real-Time Locating (RTL) library contains features for Angle of Arrival estimation and spatial positioning. The software library comes with a C-programming language API for Windows (x86_64) and Linux (ARM Cortex A, x86_64) hosts.

The RTL Library is released with the Bluetooth SDK. These release notes cover the following version(s):

Real-Time Locating Library 8.0.0.0 in Bluetooth SDK 8.0.0.0 released on June 5, 2024.



KEY FEATURES

- Underlying code changes only
- Removed support for Series 0/1

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1 New Items

Simplicity SDK is an embedded software development platform for building IoT products based on our Series 2 and Series 3 wireless and MCU devices. It integrates wireless protocol stacks, middleware, peripheral drivers, a bootloader, and application examples – a solid framework for building power-optimized and secure IoT devices.

The Simplicity SDK offers powerful features such as ultra-low power consumption, strong network reliability, support for a large number of nodes, and abstraction of complex requirements like multiprotocol and pre-certification. Additionally, Silicon Labs provides over-the-air (OTA) software and security updates to remotely update devices, minimize maintenance costs, and enhance the end-user product experience.

Simplicity SDK is a follow-on from our popular Gecko SDK, which will continue to be available providing long-term support for our Series 0 and Series 1 devices. For additional information on the Series 0 and Series 1 devices please reference: [Series 0 and Series 1 EFM32/EZR32/EFR32 device \(silabs.com\)](#).

1.1 New Features

Added in release 8.0.0.0

None.

2 Improvements

Changed in release 8.0.0.0

None.

3 Fixed Issues

Fixed in release 8.0.0.0

None.

4 Known Issues in the Current Release

Issues in bold were added since the previous release.

ID #	Description	Workaround
375152	In heavy multipath conditions, the line-of-sight signal is not always detected correctly. In some cases this may mean large errors in both azimuth and elevation readings.	None

5 Deprecated Items

Deprecated in release 8.0.0.0

None.

6 Removed Items

Removed in release 8.0.0.0

None.

7 Using This Release

7.1 Installation and Use

For instructions on developing with the RTL library, see [AN1296: Application Development with Silicon Labs' RTL Library](#) and the API reference included with the documentation installed through Simplicity Studio in the Bluetooth SDK.

7.2 Support

Development Kit customers are eligible for training and technical support. Use the [Silicon Labs Bluetooth LE web page](#) to obtain information about all Silicon Labs Bluetooth products and services, and to sign up for product support.

Contact Silicon Laboratories support at <http://www.silabs.com/support> or through links on the Simplicity Studio Welcome page.

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