



# **Bluetooth<sup>®</sup> Real-Time Locating Library 6.3.0.0 GA**

## **Gecko SDK Suite 4.3**

### **March 13, 2024**

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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.



#### **KEY FEATURES**

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- Some library variants now compiled with Position Independent Code flags

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

- Real-Time Locating Library 6.3.0.0 in Bluetooth SDK 6.3.0.0 released on March 13, 2024 (underlying code changes only)
- Real-Time Locating Library 6.2.0.0 in Bluetooth SDK 6.2.0.0 released on October 9, 2023 (underlying code changes only)
- Real-Time Locating Library 6.1.0.0 in Bluetooth SDK 6.1.0.0 released on July 26, 2023 (underlying code changes only)
- Real-Time Locating Library 6.0.0.0 in Bluetooth SDK 6.0.0.0 released on June 7, 2023

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## 1 New Items

None

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## 2 Improvements

### Changed in release 6.0.0.0

RTL library variants `libaox_static_linux_x86_64.a` and `libaox_static_darwin_x86_64.a` are now compiled with Position Independent Code flags. Variants `libaox_static_armv7l.a`, `libaox_static_linux_aarch64.a` and `libaox_static_windows_x86_64.a` are unchanged.

### 3 Fixed Issues

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

None

## 6 Removed Items

None



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## 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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