

# **Bluetooth®** Real-Time Locating Library 7.1.1.0 GA Gecko SDK Suite 4.4 May 2, 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.

Bluetooth

#### **KEY FEATURES**

· Underlying code changes only

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

Real-Time Locating Library 7.1.1.0 in Bluetooth SDK 7.1.1.0 released on May 2, 2024 (underlying code changes only). Real-Time Locating Library 7.1.0.0 in Bluetooth SDK 7.1.0.0 released on April 10, 2024 (underlying code changes only). Real-Time Locating Library 7.0.1.0 in Bluetooth SDK 7.0.1.0 released on February 14, 2024 (underlying code changes only). Real-Time Locating Library 7.0.0.0 in Bluetooth SDK 7.0.0.0 released on December 13, 2023.

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## 1 New Items

This release of the Gecko SDK (GSDK) will be the last with combined support for all EFM and EFR devices, except for patches to this version as needed. Starting in mid-2024 we will introduce separate SDKs:

- The existing Gecko SDK will continue with support for Series 0 and 1 devices.
- A new SDK will cater specifically to Series 2 and 3 devices.

The Gecko SDK will continue to support all Series 0 and 1 devices with no change to the long-term support, maintenance, quality, and responsiveness provided under our software policy.

The new SDK will branch from Gecko SDK and begin to offer new features that help developers take advantage of the advanced capabilities of our Series 2 and 3 products.

This decision aligns with customer feedback, reflecting our commitment to elevate quality, ensure stability, and enhance performance for an exceptional user experience across our software SDKs.

## 1.1 New Features

### Added in release 7.1.0.0

# 2 Improvements

Changed in release 7.1.0.0

# 3 Fixed Issues

Fixed in release 7.1.0.0

## 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 7.0.1.0

## 6 Removed Items

Removed in release 7.0.1.0

## 7 Using This Release

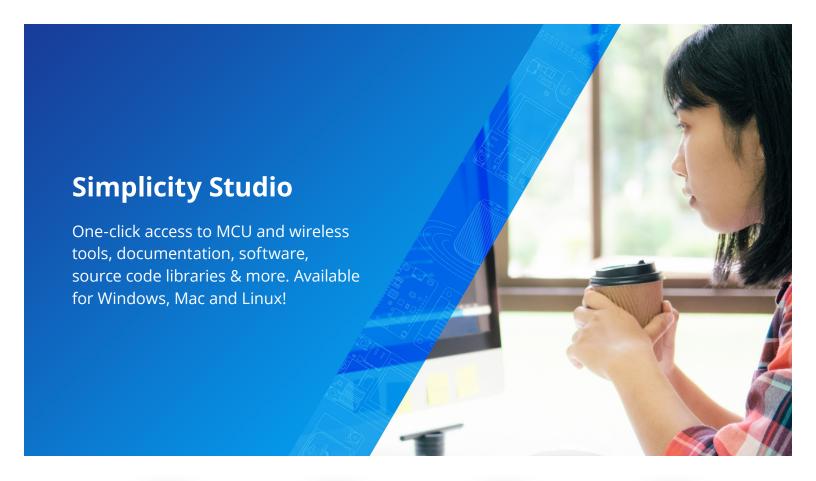
### 7.1 Installation and Use

For instructions on developing with the RTL library, see <u>AN1296: Application Development with Silicon Labs' RTL Library</u> 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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