



Bluetooth® Mesh ADK 8.0.0.0

December 16, 2024

Bluetooth mesh is a new topology available for Bluetooth Low Energy (LE) devices that enables many-to-many (m:m) communication. It is optimized for creating large-scale device networks, and is ideally suited for building automation, sensor networks, and asset tracking. Our software and SDK for Bluetooth development support Bluetooth Mesh and Bluetooth 5 functionality. Developers can add mesh networking communication to LE devices such as connected lights, home automation, and asset tracking systems. The software also supports Bluetooth beaconing, beacon scanning, and GATT connections so Bluetooth mesh can connect to smart phones, tablets, and other Bluetooth LE devices.

These release notes cover ADK version(s):

8.0.0.0 released on December 16, 2024



KEY FEATURES

- Added a helper class to the vendor model in ADK.
- Updated the ADK to incorporate underlying Bluetooth changes.

Compatibility and Use Notices

- This release is to be used with Bluetooth Mesh SDK 8.0.0.0.
- The iOS ADK supports the last three major releases of the iOS system (iOS 15, iOS 16 and iOS 17).
- The Android ADK supports the last three major releases of the Android system (Android 13, Android 13 and Android 14).

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1 Android

1.1 New Items

Added in release 8.0.0.0

None.

1.2 Improvements

Changed in release 8.0.0.0

None.

1.3 Fixed Issues

Fixed in release 8.0.0.0

ID #	Description
1307434	Enhanced the stability and maturity of the IOP tests for BT Mesh using the BT Mesh mobile app.
1322293	Added a new helper class for the vendor model.
1339169	Mesh objects under the node will disappear when the node is restarted.
852100	In case CBP certification validation fails, the application now goes back to scanning/device list view.

1.4 Known Issues in the Current Release

ID #	Description	Workaround
1322293	Sequence number storage does not cope with write interval of '1.'	Do not use '1' as sequence number write interval. Instead of '1' you can use '2.'

1.5 Deprecated Items

None.

1.6 Removed Items

Removed in release 8.0.0.0

None.

2 iOS

2.1 New Items

Added in release 8.0.0.0

None.

2.2 Improvements

None.

2.3 Fixed Issues

Fixed in release 8.0.0.0

ID #	Description
1307434	Enhanced the stability and maturity of the IOP tests for BT Mesh using the BT Mesh mobile app.
1322293	Added a new helper class for the vendor model.
1339169	Mesh objects under the node will disappear when the node is restarted.
852100	<u>In case CBP certification validation fails, the application now goes back to scanning/device list view</u>

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1322293	Sequence number storage does not cope with write interval of '1.'	Do not use '1' as sequence number write interval. Instead of '1' you can use '2.'

2.5 Deprecated Items

None.

2.6 Removed Items

None.

3 Using This Release

3.1 Installation and Use

See [AN1200.1: iOS and Android ADK for Bluetooth® Mesh SDK 2.x and Higher](#) for information about required tools and compatible platforms.

3.2 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>.

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