Bluetooth® Mesh ADK 3.3.3.0
October 19, 2022

Bluetooth mesh is a new topology available for Bluetooth Low Energy (LE) devices that enables many-to-many (m:m) communication. It's 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 supports 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):

3.3.3.0 released on October 19, 2022 (version update for compatibility with Bluetooth Mesh SDK)
3.3.2.0 released on September 28, 2022
3.3.1.0 released on August 17,2022
3.3.0.0 released on June 8, 2022

KEY FEATURES

- iOS ADK bug fixes
- Android ADK bug fixes

Compatibility and Use Notices

- Use the ADK version with the corresponding version of the Bluetooth Mesh SDK, for example use ADK version 3.3.3.0 with SDK version 3.0.3.0.
- The iOS ADK supports the last three major releases of the iOS system (iOS 13, iOS 14 and iOS 15).
- The Android ADK supports the Android 8+ for the framework and Android 9+ for the reference application.

Contents

1 Android

1.1 New Items

None

1.2 Improvements

None

1.3 Fixed Issues

Fixed in release 3.3.2.0

ID #	Description
720798	Fixed invalid AppKey index for most types of PublicationSettings - added Publish.getAppKeyIndex - PublicationSettings constructors now require additional appKeyIndex

Fixed in release 3.3.0.0

ID #	Description
812999	Fixed the algorithm of removing subnets
737704	Fixed infinite loop when writing to a characteristic (rarely).

1.4 Known Issues in the Current Release

None

1.5 Deprecated Items

Deprecated in release 3.3.0.0

In a future release, Application Key will be separated from Group because the Bluetooth Mesh Specification does not indicate a relationship between Application Key and Group.

1.6 Removed Items

None

2 iOS

2.1 New Items

None

2.2 Improvements

Changed in release 3.3.0.0

ID #	Description
632701	Add option for DCD retrieval to SBMProvisionerConfiguration

2.3 Fixed Issues

Fixed in release 3.3.2.0

ID #	Description
711210	Fix SBMProxyControl when connected to a node with a network identity.

Fixed in release 3.3.1.0

ID #	Description
856958	Fixed wrong version number shown in the logs.
499786	Add new constructors with application key for SBMPublicationSettings. Deprecate current SBMPublicationSettings constructors. Fixed response handling for get/set of publications

Fixed in release 3.3.0.0

ID #	Description
841631	Fixed receiving the Secure Network Beacon callbacks after import the database.

2.4 Known Issues in the Current Release

None

2.5 Deprecated Items

Deprecated in release 3.3.1.0

ID #	Description
499786	Deprecate current SBMPublicationSettings constructors.

Deprecated in release 3.3.0.0

In a future release, Application Key will be separated from Group because the Bluetooth Mesh Specification does not indicate a relationship between Application Key and Group.

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.