

Blue SDK FUSION

Highly Customizable Bluetooth® Stack for Android™

Automotive-Grade Performance

Automotive OEMs have specific functionality and behavior requirements that cannot be met by consumer-grade Bluetooth stacks.

Blue SDK Fusion replaces the default Bluetooth stack in AOSP and integrates seamlessly with the existing AOSP applications and services while providing the flexibility, robustness, and functionality needed to fulfill any OEM requirement.

Based on OpenSynergy's Blue SDK Bluetooth stack and profiles, the leading Automotive Bluetooth solution for over 20 years, Blue SDK Fusion easily handles complex use cases such as concurrent multiple profiles, multiple connections, dual-phonebook download, and more.

Blue SDK Fusion offers excellent control and predictability of Bluetooth behavior for an easy Automotive-grade solution on AOSP-based platforms.

300 MILLION +

Blue SDK

AUTOMOTIVE SHIPMENTS

powered by



A powerful, Automotive-ready Bluetooth solution for Android™ Open Source Project (AOSP)

FLEXIBLE, ROBUST, PROVEN

- Easily handles complex interoperability requirements
- Enables control, flexibility, and robust Bluetooth performance
- Based on Blue SDK, leading Automotive Bluetooth solution for 20+ years

	Blue SDK	Consumer-Grade Stacks
Controllable Connection Management	✓	✗
Advanced Media Player Features	✓	✗
Improved Stability	✓	✗
Built for Automotive OEM Requirements	✓	✗
Fast, Expert Support	✓	✗

Works with any hardware

- Abstraction-based source code for easy porting
- Get up and running with a new hardware platform within hours

Easy Android™ integration

- Preserves existing AOSP API and works with existing apps & services
- Passes Compatibility Test Suite (CTS), Vendor Test Suite (VTS), Automotive Test Suite (ATS)
- Extends the AOSP Bluetooth API, when required, to add additional features and functionality
- Designed to allow for simple and easy AOSP updates

Decreases cost and time to market

- Reduces dependency on chipset vendor support for Bluetooth and in BSP
- Fast response and resolution for bug/issue support from team of experts
- Frees engineering resources to work on non-Bluetooth features

Automotive ready

- Proven flexibility and functionality to support Automotive OEM requirements
- Supports latest version of automotive profiles with all features required for Automotive Infotainment

Specifications

Android™ Compatibility

- AOSP 10 (Q)
- AOSP 11 (R)

Bluetooth®

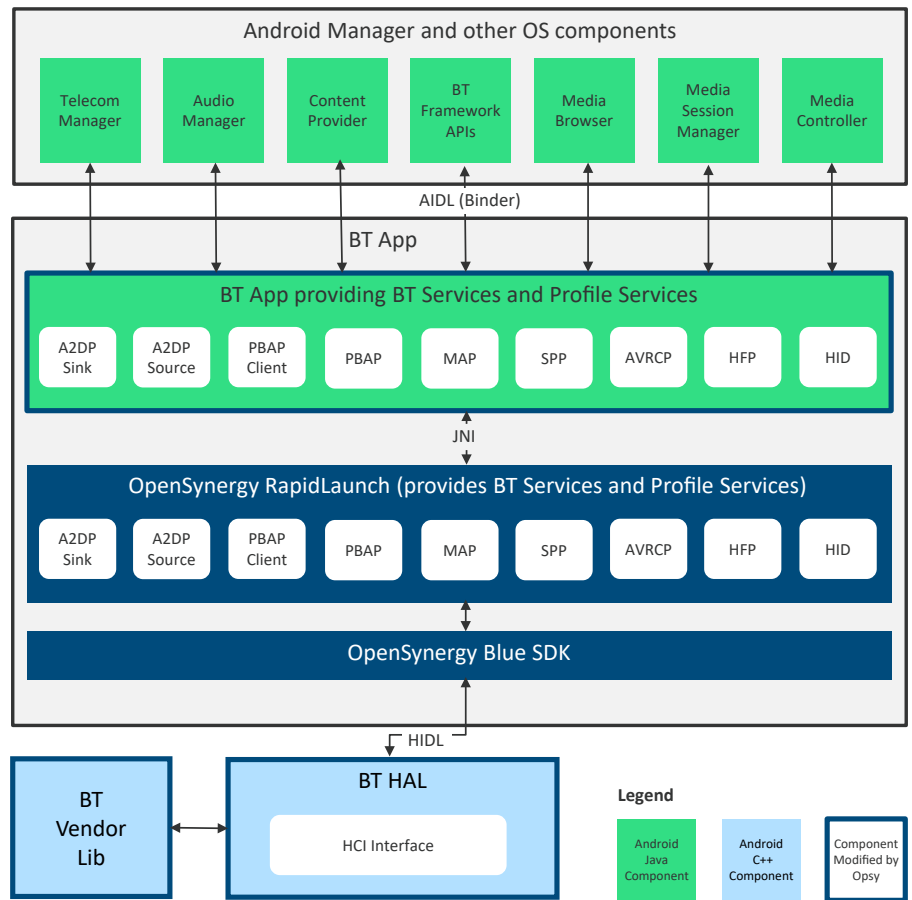
- Supports Bluetooth 5.1 Core Specification
- Bluetooth 5.2 in 2021
- Supports all the latest Bluetooth profiles:
 - A2DP 1.3.2
 - AVRCP 1.6.2
 - HFP 1.7.2
 - MAP 1.4.2
 - PBAP 1.2.3
 - SPP 1.2
- LE, GATT, and key GATT-based profiles will be added in a future release

Reference hardware platform

- Hikey 960 (easily ported to other hardware)

Architecture

Designed to minimize the need for changes/updates for future AOSP releases



¹ Fig.: Represents the daemon architecture with all core stack components and profiles running in the context of a user space Linux daemon.

Expert Service & Support



Bluetooth® – Our Bluetooth experts have been building Bluetooth solutions since 1998. We provide fast and detailed responses to offer exceptional support to our customers.

AOSP – Our team has extensive expertise with AOSP in the Automotive domain, enabling us to offer a superior product and a wealth of knowledge for troubleshooting issues.

Porting and Integration services available upon request

Headquarters

OpenSynergy GmbH
Rotherstraße 20
D – 10245 Berlin
Germany

Phone: +49 30 6098 540 - 0
Fax: +49 30 6098 540 - 99
E-mail: sales@opensynergy.com
Web: www.opensynergy.com

Worldwide Sales

Germany
Starnberger Str. 22
D-82131 Gauting / Munich
Germany
Phone: +49 89 215 390-73
E-mail: sales@opensynergy.com

United States
OpenSynergy, Inc.
501 W. Broadway, Suite 800
San Diego, CA 92101 USA
Phone: +1 (619) 962 1725
E-mail: sales@opensynergy.com

Distributors

Japan
Ubiquitous AI Corporation
Phone: +81 3 3493 7981
E-mail: sales@ubiquitous-ai.com
Web: www.ubiquitous-ai.com

China
ZhiYun
Phone: +86 21 528 50 316
E-mail: enquiry@zhiyuninformation.com