

# **Release Notes for BLE Software 1.0.1**

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# 1 Introduction

ADI BLE Software 1.0.1 package contains documentation and software for using the ADuCM3029 ultra low-power microcontroller with the EM9304 Bluetooth Low-Energy radio. The software package also contains the IoTNode Android application for Bluetooth Low-Energy host connectivity. This software package acts as a library that can be used with any platform containing the ADuCM3029 and the EM9304. The software is delivered in the form of a CMSIS PACK file, allowing all necessary BLE Software source files and include paths to be easily added to a user project by simply selecting PACK components.

This software was previously in the ADICUP3029 Board Support Package 1.0.0 release. It has been moved to a standalone software package since the software is now used in Board Support Packages for other hardware platforms. These hardware platforms are listed below.

## 2 Required Software

### 2.1 CrossCore Embedded Studio

To use the BLE Software, you must first obtain and install,

- CrossCore Embedded Studio 2.8.0
- ADuCM302x Device Family Pack 3.1.2

## 3 Release Testing

### 3.1 CrossCore Embedded Studio

The BLE Software has been tested with the following hardware platforms,

EVAL-ADICUP3029	CMSIS-DAP
EV-COG-AD3029LZ	CMSIS-DAP

## **4 License Checking**

Use of the BLE software is subject to the Software License Agreement presented during installation.

## 5 Release Content

This release contains the following sets of components:

- Bluetooth Low-Energy software targeting the ADuCM302x
- Common communication utilities used to assist with creating Bluetooth applications
- IoTNode Android application
- Associated documentation

### 5.1 Location

The BLE Software package will be installed into the below directory under targeted development environment:

**CCES**

<cces\_root>\ARM\PACK\AnalogDevices\ADI-BleSoftware\1.0.1

### 5.2 Directory Information

Source/communication/ble	Bluetooth Low-Energy software source files
Source/communication/common	Common communication utility source files
Include/communication/ble	Bluetooth Low-Energy software include files
Include/communication/common	Common communication utility header files
Documents/	Bluetooth Low-Energy software documentation
Host/ble/android	IoTNode Android application in source form
Host/ble/release	IoTNode Android application in binary form
Host/ble/documentation	IoTNode Android application documentation
License	BLE Software license agreement

## 5.3 Contacting Technical Support

You can reach Analog Devices software and tools technical support in the following ways:

- Post your questions in the [software and development tools support community](#) at [EngineerZone®](#).
- E-mail your questions about processors and processor applications to [processor.support@analog.com](mailto:processor.support@analog.com).
- For Greater China, Processors and DSP applications and processor questions can be sent to: [processor.china@analog.com](mailto:processor.china@analog.com).
- Submit your questions to technical support directly via <http://www.analog.com/support>.
- Contact your [Analog Devices sales office](#) or authorized distributor.



## 6 Known Issues

For the latest anomalies please consult our [Software and Tools Anomalies Search](#) page.

## **7 test**