

# EDB-BLE Bluetooth® Smart Board for Mobile Control Development

Control embedded devices with the **EDB-BLE** development board using any MCU, iPhone 4S or iPad, and a few hours of embedded development. The board comes with the Emmoco personal development environment including an Eclipse IDE for specifying your device interface, an em-hub.com account for developer collaboration, and our free iPhone app.

The EDB-BLE board is a MSP430 Boosterpack for the TI LaunchPad. Developers using the MSP430 quickly connect and control hardware. Developers using an alternate MCU require a UART and C compiler support.

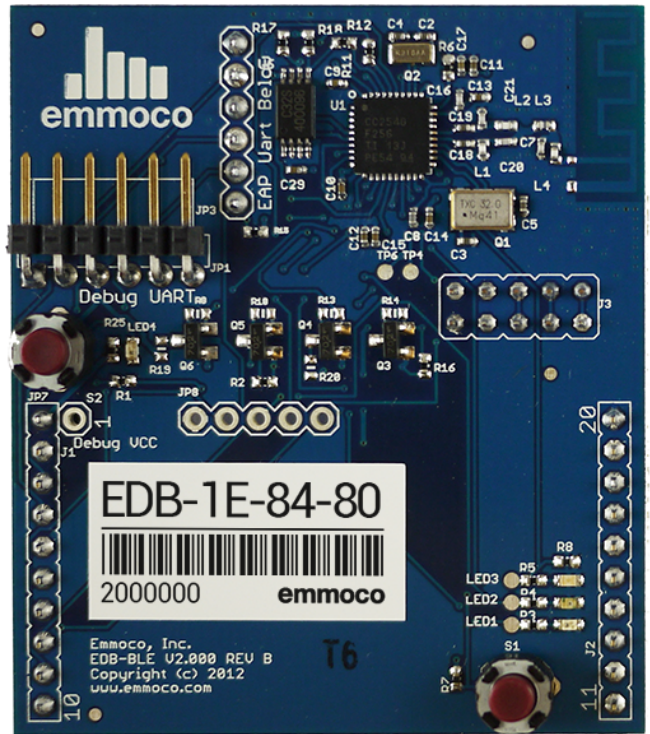
## Features

The **EDB-BLE** development board features:

- MSP-430 LaunchPad connectors (functions as a Launchpad BoosterPack)
- Embedded Application Processor (EAP) connector
- Debug connector
- Connection status LED
- Power LED
- Pairing button
- Reset button

The **EDB-BLE** development board:

- Enables development of mobile controlled embedded devices based on any MCU that has a serial UART and C compiler support
- Connects to PCs or Macs with debug connector for configuration and debugging using the EM-USB daughter-board
- Uses the EAP connector to connect to the UART of any MCU
- Includes one Mini-USB cable for interfacing with PCs or Macs
- Includes a personal license for em-hub.com for one year (renewable for \$99/ year). Em-Hub provides tools for developing mobile controlled applications.
- Access to the Em-Browser iPhone app for controlling your embedded device immediately without writing an iPhone application (iPhone 4s or 3rd generation iPad required).
- Complies with Restriction of Hazardous Substances Directive (RoHS)



**EDB-BLE** - an easy-to-use *Bluetooth®* Smart development board that comes with unrestricted access to the Emmoco development tools including free apps on the iTunes store. It is compatible with any microcontroller that has a serial interface or can be directly connected to the TI MSP430 LaunchPad as a Boosterpack.

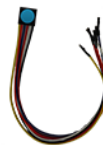
## Also Included



**EM-USB** - a USB interface for the **EDB-BLE** that can be used either for configuration when connected to a PC or mobile control when connected to an embedded system.



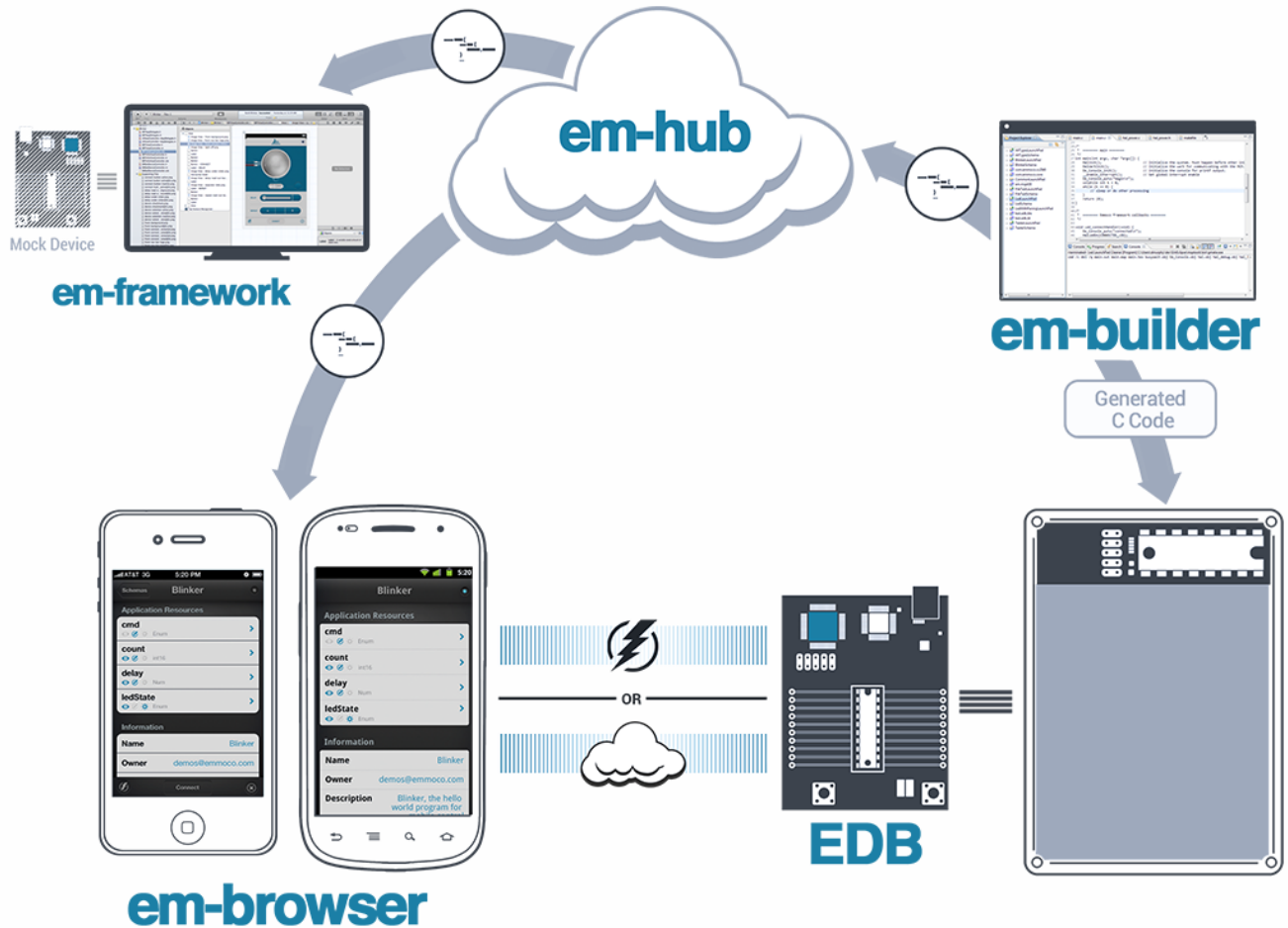
**EM-TTL5V** - an adapter that will shift levels when connecting to a microcontroller that operates at 5V.



**EM-Cable** - a cable that connects the **EDB-BLE** to almost any microcontroller development board by providing jumpers that connect the serial uart interface, VCC and ground.



**USB cable** - Also included is a standard USB cable for use with the **EM-USB**



More information on the tools that come bundled with the board...

## em-builder

An Eclipse-based tool for developing schemas, which define the capabilities you want to control with a mobile app. Em-Builder is a sophisticated language translator that generates C code stubs for integration into your existing product. Em-Builder also pushes a portable representation of your schema to Em-hub.com, where it can then be shared with mobile developers.

## em-framework

Libraries for Android (Java) and iOS (Objective C) that allow mobile apps to control your product. Our framework consumes your schema as a static data object and creates a custom API for your product. Because the framework manages all aspects of communication with your product using the underlying mobile operating system, you don't have to worry about designing and implementing an application-specific protocol in your own code.

## em-browser

A mobile app used by embedded developers for testing and debugging. Working with Em-Browser, developers can quickly begin to control their hardware as soon as they connect an Emmoco Development Board (EDB), without having to write a custom mobile app. Because Em-Browser can pull your schema down from Em-hub.com, you can instantly test new features from your iPhone or Android device.

## em-hub.com

A web-site that allows embedded developers to collaborate with mobile developers by sharing schemas. Em-hub.com also provides you access to all of Emmoco's software tools and documentation.