

# A closer look at your new LaunchPad Development Kit

## Featured wireless MCU:

CC2650: Low-power, multi-protocol, 2.4GHz wireless MCU

### What's in the box?



CC2650 LaunchPad



This Quick Start Guide



Micro-USB Cable



Software available @  
[dev.ti.com/launchxl-cc2650](http://dev.ti.com/launchxl-cc2650)

## CC2650 Launchpad Overview

### XDS110 on-board emulator

Enables debugging/programming as well as communication back to the PC. The XDS110 can also provide power to the target MCU.

### Button/Switch

Left/BTN-1

**40-pin BoosterPack plug-in module connector**  
(J1 - J4)

**CC2650 Wireless MCU**

**User LEDs**  
LED1 & LED2

**Reset**

### Button/Switch

Right/BTN-2

### Jumper Isolation Block

- Power
  - 5V and 3V3
- JTAG signals
- Back-channel UART to the PC
  - RXD, TXD, RTS, CTS

**Long range, no-cost PCB antenna**

### Simplelink LaunchPad Starter iOS/Android app

#### Control your LaunchPad

Control LEDs, read buttons  
Control the LaunchPad I/O signals using the LaunchPad App

#### Over-the-Air upgrade

Upgrade your LaunchPad from the LaunchPad app and enable your own own upgradable products

## Out-of-box

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### 1. Download the LaunchPad iOS or Android app

Download the **Simplelink LaunchPad Starter** app from App Store or Google Play

### 2. Connect to the computer or USB power

Connect the LaunchPad using the included USB cable to a computer or USB power supply. Open the Launchpad app on your phone and press once the Right/BTN-2 button on the LaunchPad to start advertising Bluetooth Smart data to the phone. The green LED will flash while advertising. The LaunchPad will show up on the device list in the app, select the LaunchPad in the device list to connect.

### 3. The LaunchPad mission control

In the LaunchPad app you can control the LEDs, see the state of the buttons, send data to the UART, and control the I/O signals on the LaunchPad headers. If you connect an LCD BoosterPack you can write text to the LCD from the phone.

### 4. Move LaunchPad mission control to the Cloud

Follow the cloud view link in LaunchPad mission control to connect your LaunchPad to the cloud view. With the cloud view you can control your LaunchPad from any web browser in minutes after setting it up. You can control all I/O signals on the LaunchPad header or read analog inputs from external sources

## Ready to Learn More?

- Documentation
- TI RTOS Drivers
- Bluetooth Smart Code Examples
- Application Notes
- Design Files
- and more!

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