

Basic Start-Up Instructions for EV3

1. Power on the EV3 Brick

Press the square button in the middle to power on the device. This may take a few minutes.

2. Connect the EV3 Brick to your PC using Bluetooth

Enable Bluetooth on the EV3 by navigating the menu to *Wireless and Networks > Bluetooth*. Turn both the *Powered* and *Visible* options on by hovering over each and pressing the square button. Then, press the square button over *Start Scan*.

Now, on your PC, search in the Start Menu for *Bluetooth and other devices*. In the window that opens, click on the *Add Bluetooth or other device* button at the top and select *Bluetooth*. Eventually, your EV3 device should appear. Click on it to connect, and accept all of the prompts that pop up on **both** your PC and the EV3.

Possible issues when connecting with Bluetooth:

Bluetooth is not available on the EV3 — Reboot the EV3 by pressing the Back (top left gray button) until you get a prompt to either shut down or reboot.

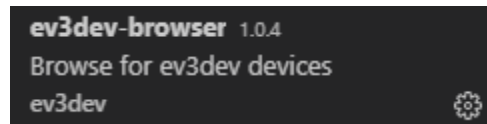
I can't find my device in the list of Bluetooth devices to add — Go back and make sure all of the instructions above were followed; if Bluetooth is not properly enabled on the EV3, it will make it either very difficult or impossible to connect it to your PC.

3. Install Visual Studio Code

Go to <https://code.visualstudio.com/> and follow the instructions for downloading Visual Studio Code on your PC.

4. Install the EV3 Extension for Visual Studio Code

Open VS Code and go to *File > Preferences > Extensions*. Search for “EV3” and download this extension:



(make sure the author is “ev3dev”, there is another extension with the same name but by someone else)

5. Connect to your EV3 in Visual Studio Code

Click on the “page” icon in the top left of VS Code to go back to the file browser. From here, you can go to *File > Open Folder* and open a new folder for you to put your code in. Once you open the folder, you should see this tab at the bottom left corner:



Expand this tab, and choose *Click here to connect to a device*. You should see a pop-up in the top-center of the window, and your EV3 device should appear there. Click on it to connect, and you should be good to go!

Possible issues when connecting to Visual Studio Code:

My EV3 doesn't appear in Visual Studio Code when I try to connect — Make sure that your EV3 is still connected to your PC. On the EV3, go to *Wireless and Networks > All Network Connections*, find your PC name, and click *Connect*. It should eventually say “Status: Connected” and you should be able to find it from there. If not, you can use the cable for now.