

# Connect and upload

Is your code ready? Then it can go to your Arduino now. You do this in three steps.

**Important:** use **Google Chrome** or **Microsoft Edge** on your computer. Only these browsers may talk to your Arduino through USB. Safari, Firefox, and most phones cannot do that (yet).

**1 Connect your Arduino**  
Plug the USB cable into your Arduino and into your computer. A green light (ON) will turn on.

**2 Click Compile & Upload to board**  
Codey checks your code and gets it ready (compiles it). The first time, this can take a minute.

**3 Choose your Arduino in the port window**  
A window with ports will appear. Choose your Arduino and click Connect. The RX and TX lights will blink for a moment: your code is going in (uploading). Done!

## What is my Arduino called in the port window?

That depends on your computer. Do you see more than one? Unplug the cable for a moment and see which one disappears. That is your Arduino.

### Windows

A **COM port** with a number, for example `Arduino Uno (COM4)` or `USB-SERIAL CH340 (COM5)`. COM1 is almost never your Arduino.

### Mac

Something with `usbmodem` or `usbserial`, for example `/dev/cu.usbmodem14101`, `cu.usbserial-1420`, or `cu.wchusbserial1420`. Always choose the `cu.` version.

### Linux

`/dev/ttyACM0` or `/dev/ttyUSB0`. No access? Add yourself to the `dialout` group and log in again.

### Chromebook

Chrome shows the name of the device, for example `Arduino Uno`, `USB2.0-Serial`, or `USB Serial`.

**Serial monitor:** some projects send messages to your computer, for example the temperature. You see them when you click Serial Monitor in Codey. This way you can see what your Arduino "thinks".

## Not working? Don't panic!

### ▼ I do not see my Arduino in the port window.

Try a different USB cable. Some cables can only charge and cannot send data. Also try a different USB port on your computer.

### ▼ I see CH340 or USB2.0-Serial, but uploading does not work (Windows/Mac).

Then your Arduino uses a CH340 chip. Install the free CH340 driver once (search for "CH340 driver") and restart your computer.

### ▼ Uploading stops halfway.

Close other programs that use the Arduino, like the Arduino IDE or a second Codey tab. Unplug the cable for a moment, plug it back in, and try again.

### ▼ It works, but my circuit does nothing.

Check the wires with the wiring diagram. Are 5V and GND connected correctly? Then ask Codey: "My LED does not turn on, what could it be?"