

ARDUINO INSTALLATION GUIDE

STEP ONE

Install the Arduino Software that is appropriate for your specific desktop operating system (Windows, Mac, Linux):

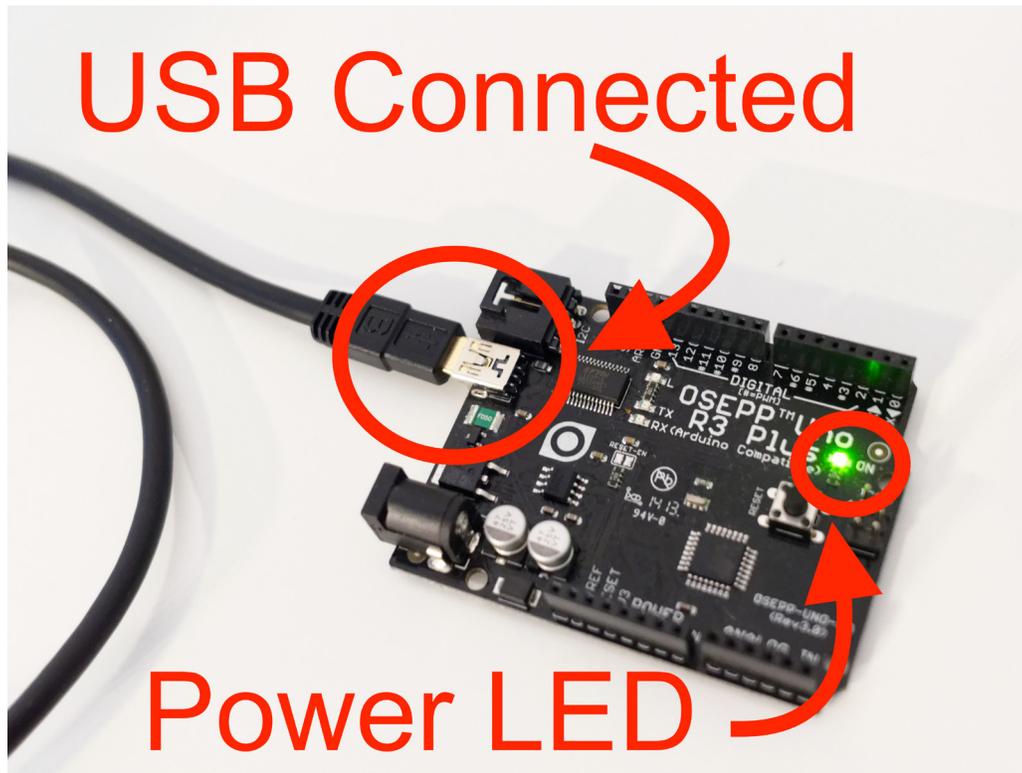
<https://www.arduino.cc/en/Main/Software>

STEP TWO

After you have downloaded and installed the Arduino software, connect your Arduino/OSEPP UNO board with the mini USB port to your computer.

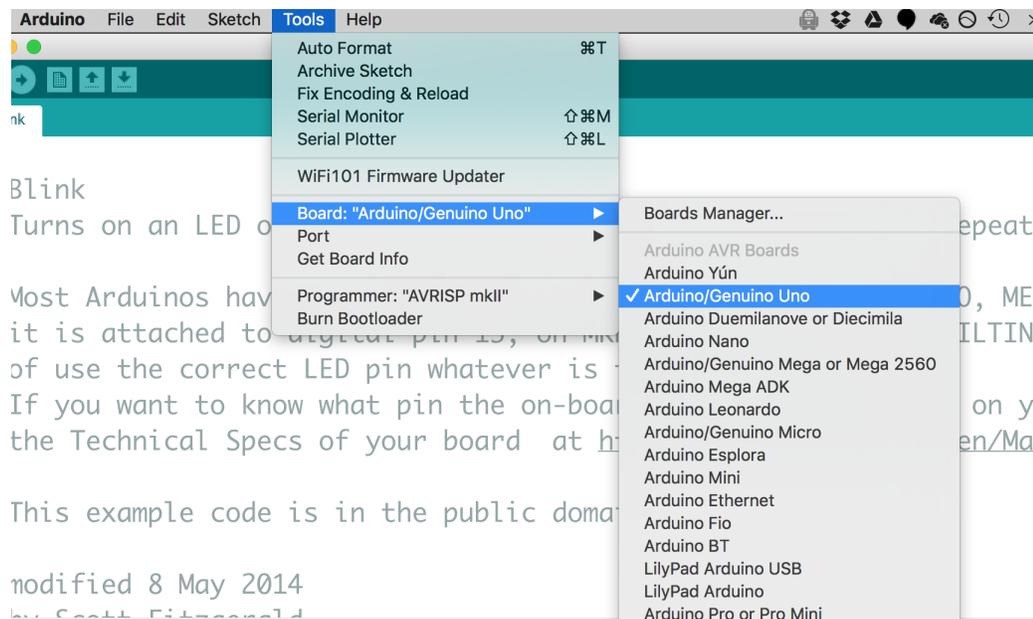


You will see the green power LED on once connected.

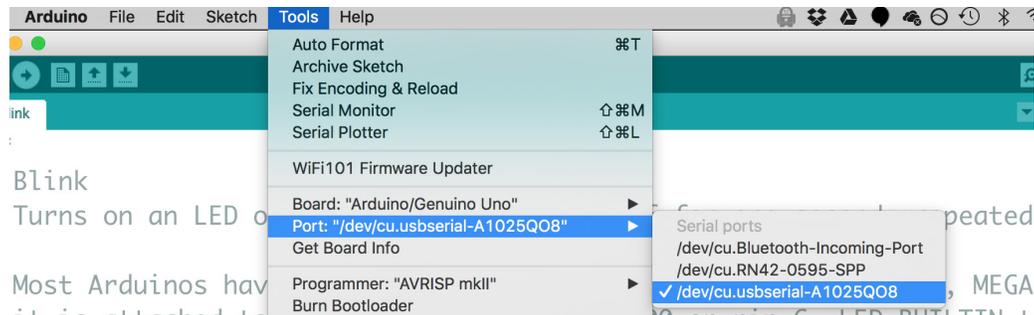


Mac Users

Launch the Arduino software. You will need to first select the Arduino Uno board from the menu options. This is under Tools -> Boards -> Arduino/Genuino Uno :



After, You will need to select the serial port. Thus will show up as a USB device:



Blink

Turns on an LED on

Most Arduinos have

it is attached to digital pin 13, on pin 13 on pin 6. LED_BUILTIN is the pin number of the on-board LED. Use the correct LED pin whatever is the board used.

If you want to know what pin the on-board LED is connected to on your board, check the Technical Specs of your board at <https://www.arduino.cc/en/Main>

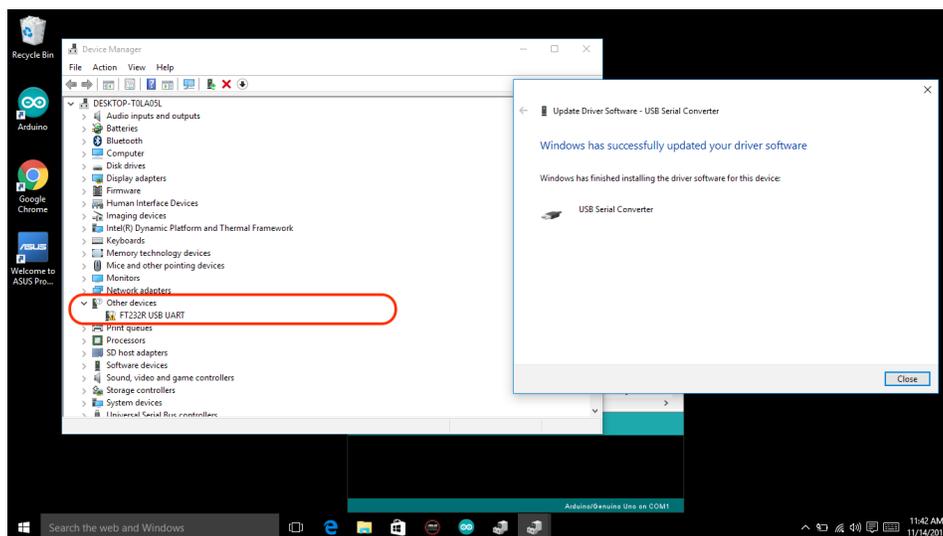
This example code is in the public domain.

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Windows Users:

After you have installed the Arduino software, the Arduino serial port drivers are not setup by default. You will need to manually install the drivers.

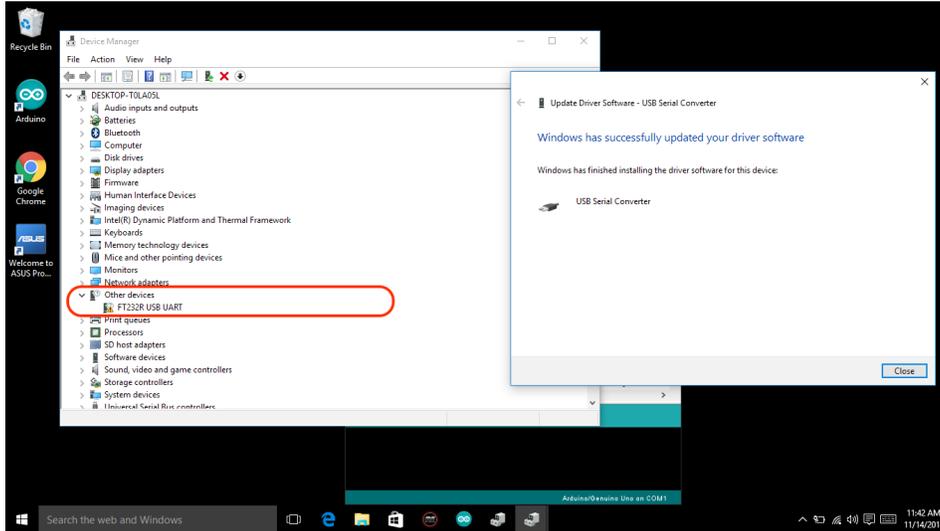
- Open the Device Manager.
- Scroll down to “other devices” and you should see **FT232R USB UART** device connected if you have connected your Arduino to your computer.
- Right click and install the drivers.
- Windows will prompt you the drivers have been successfully installed.



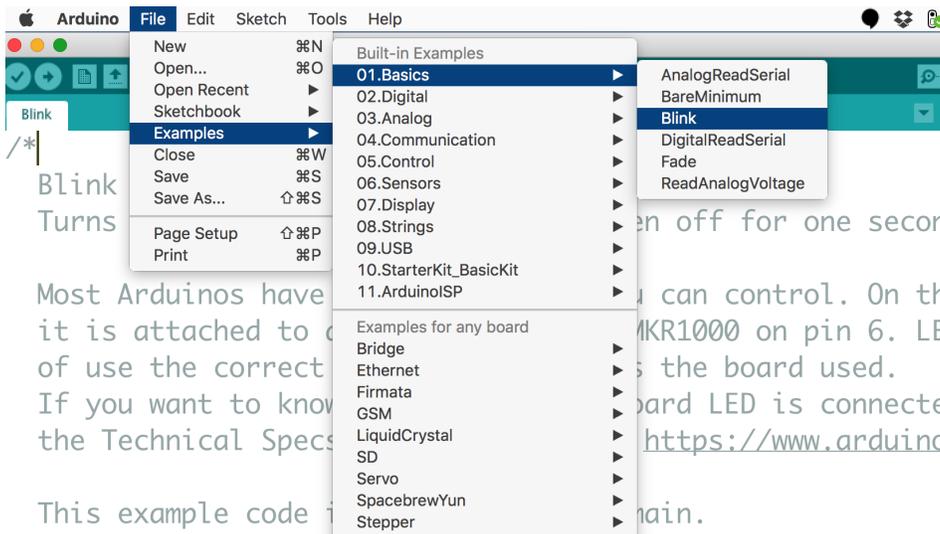
After properly installed, you will see a device named “USB Serial Port COM...”

Navigate back to Arduino. Select the Arduino UNO and the COM.. from the port menu:

STEP THREE



After you have selected the Arduino UNO board and serial port, navigate to the “blink” example built into the Arduino software:



Press the upload button while the Arduino board is connected to load the blink example in the Arduino's internal memory:



Upload Button

Blink

Turns on an LED on for one second, then off for one second.

Most Arduinos have an on-board LED you can control. (It is attached to digital pin 13, on MKR1000 on pin 10) If you use the correct LED pin whatever is the board used. If you want to know what pin the on-board LED is connected to, see the Technical Specs of your board at <https://www.arduino.cc/en/Reference/TechnicalSpecs>

This example code is in the public domain.

modified 8 May 2014

Once you have uploaded the code, you will see the TX/RX LEDs flash and then the on-board LED connected to pin 13 will blink. This blink test verifies that you have successfully connected the UNO to your computer!

