

brandeismakerlab

Setting up Arduino (Windows 10)

Setting up Arduino IDE and plugging an Arduino in for the first time

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Download the Arduino IDE



ARDUINO 1.8.5

The open-source Arduino Software (IDE) makes it easy to write code and upload it to the board. It runs on Windows, Mac OS X, and Linux. The environment is written in Java and based on Processing and other open-source software.

This software can be used with any Arduino board. Refer to the [Getting Started](#) page for installation instructions.

Windows Installer, for Windows XP and up
Windows ZIP file for non-admin install

Windows app Requires Win 8.1 or 10

Get

Mac OS X 10.7 Lion or newer

Linux 32 bits
Linux 64 bits
Linux ARM

[Release Notes](#)
[Source Code](#)
[Checksums \(sha512\)](#)



TOOLS:

- [USB 2.0 A-Male to B-Male Cable](#) (1)
- [PC with Windows 10](#) (1)



PARTS:

- [Arduino UNO](#) (1)

Step 1 — Download the Arduino IDE

Download the Arduino IDE



- visit:
<https://www.arduino.cc/en/Main/Software>
- Select the installer "for Windows XP and up"
- note: choosing the "Windows app" option will bring you to the Microsoft windows 10 store

Step 2 — Download

Contribute to the Arduino Software

Consider supporting the Arduino Software by contributing to its development. (US tax payers, please note this contribution is not tax deductible). Learn more on how your contribution will be used.



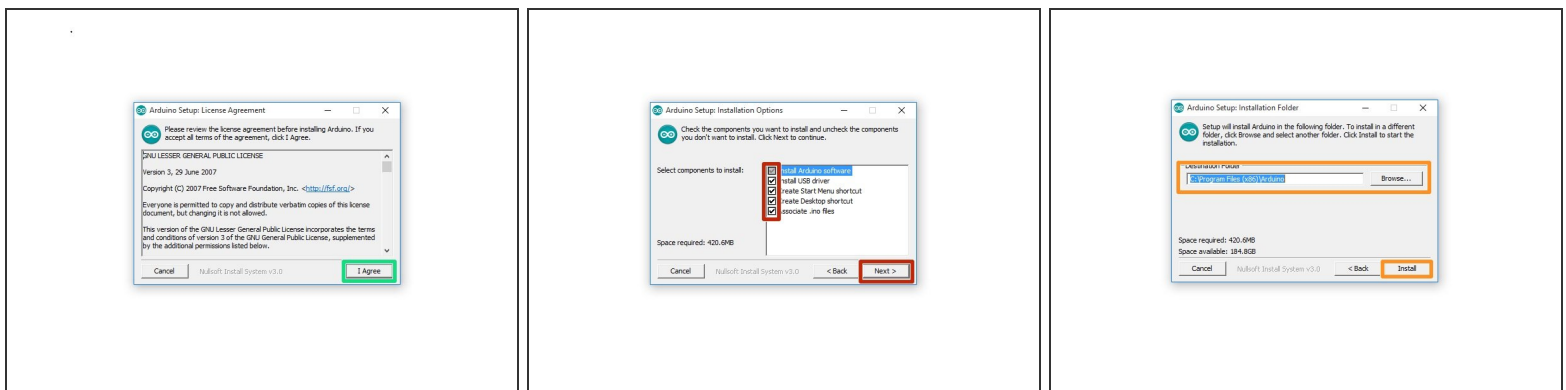
- Donate if you wish, if not choose "Just Download"

Step 3 — Save



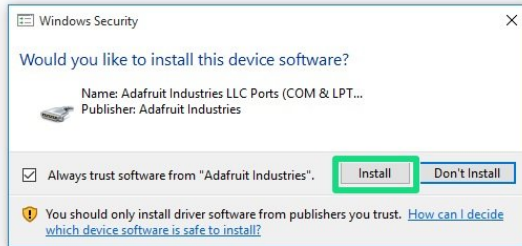
- allow your browser to save the file

Step 4 — Run installer



- Agree to EULA
- Include all check-boxes and click "Next"
- Default destination is usually the easiest for continuity of future examples.

Step 5 — Install Drivers



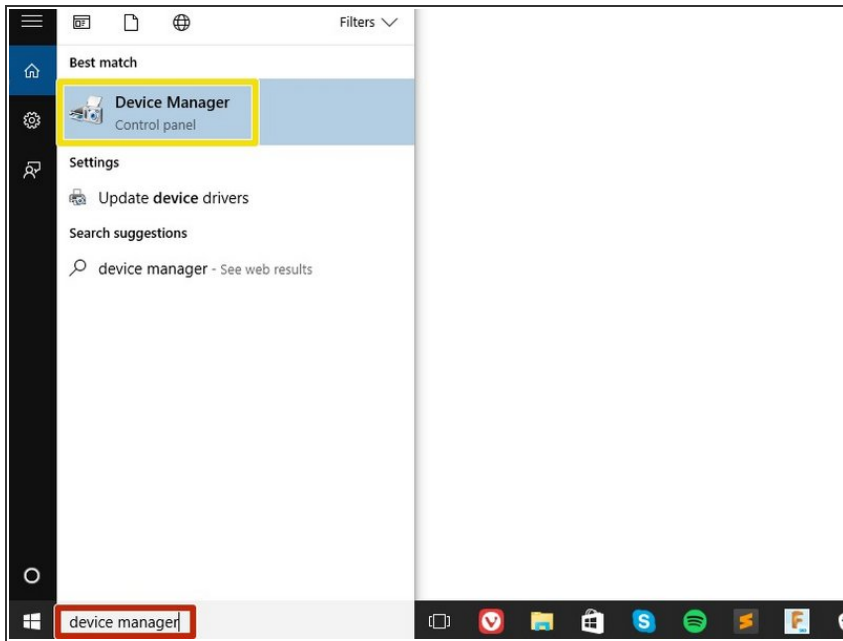
- Depending on your system's current configuration, the installer may ask you to install one or more USB or other COM port drivers. Select "Install"

Step 6 — Plug it in!



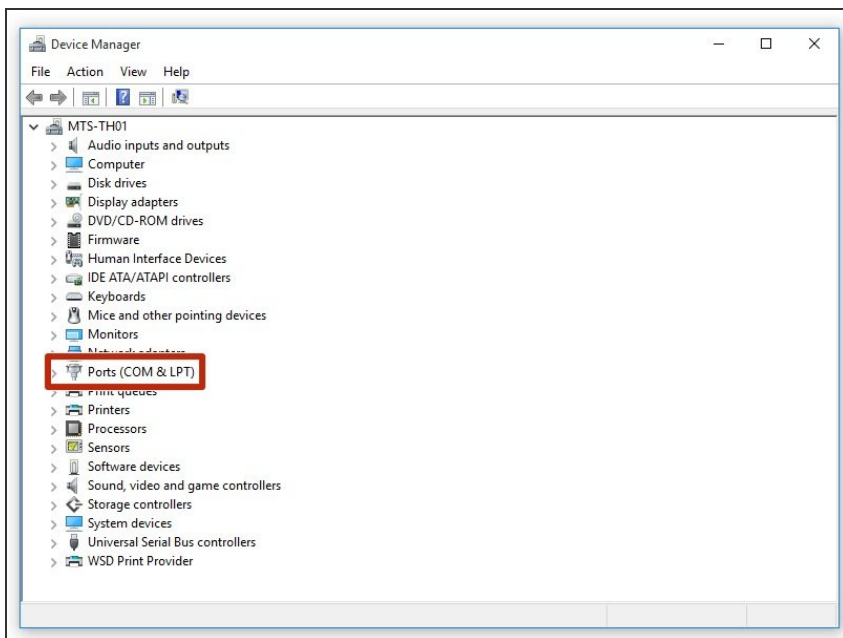
- Plug your Arduino in
 - An Arduino UNO uses USB-B on the Arduino side and USB-A on the computer side

Step 7



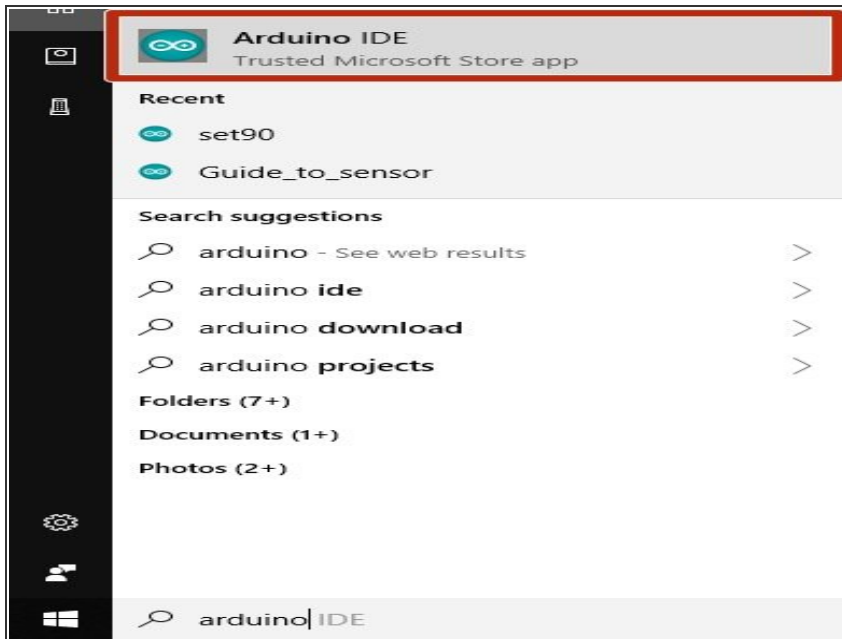
- from the "Start" menu, type "device manager"
- select the "device manager | Control panel" when it shows up
- note: you can also browse directly to the device manager from the control panel

Step 8



- select the "Ports (COM & LPT)" dropdown
- note the device "arduino"

Step 9 — Open up the Arduino application



- Search for Arduino in the search bar.
- Click on the app icon [RED]

Step 10 — Finished



- Congratulations! You have successfully installed the Arduino, you are now on your way to start coding!

Step 11 — Possible signs of a dead board



- But wait! There is more! It is not uncommon for an arduino board to be dead. Here are some telltale signs:
- The board's chip set gets really hot when plugged in
- The lights on the board do not turn on after being plugged in
- ⓘ It doesn't hurt to try another board if your program doesn't run properly
- ⓘ Try a different USB cable, or test the one you're using with a different device.
- ⓘ You circuit may also be incorrectly wired, try the board all by itself.