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

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🔧 TOOLS:

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

⚙ PARTS:

- Arduino UNO (1)

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Step 1 — Download the Arduino IDE

- visit:
  https://www.arduino.cc/en/Main/Soft
  ware

- 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

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

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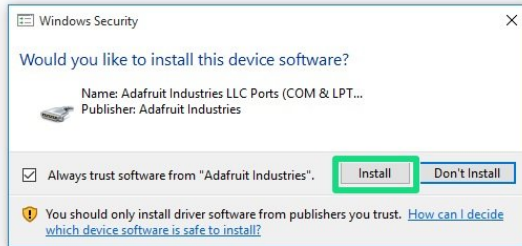
Step 3 — Save

- 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.
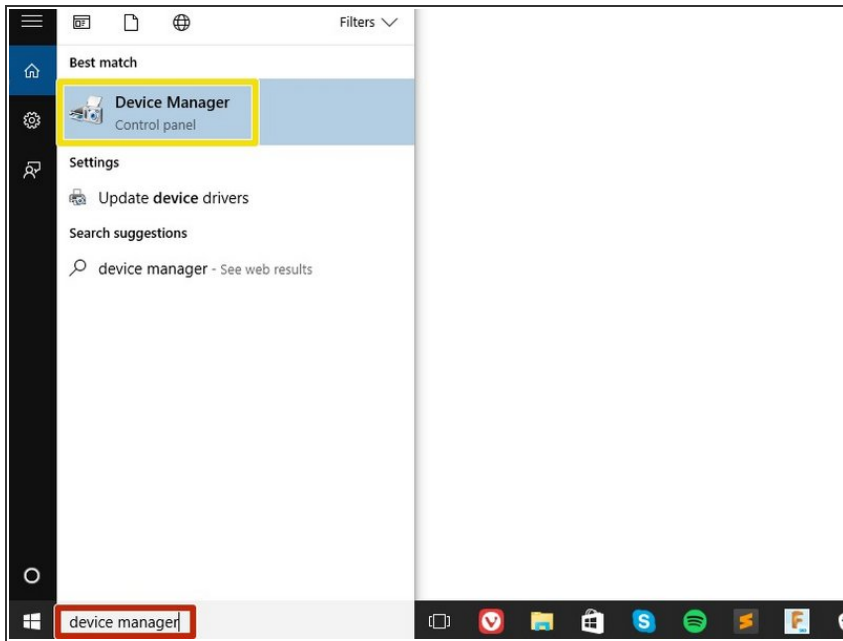
Step 5 — Install Drivers

- 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

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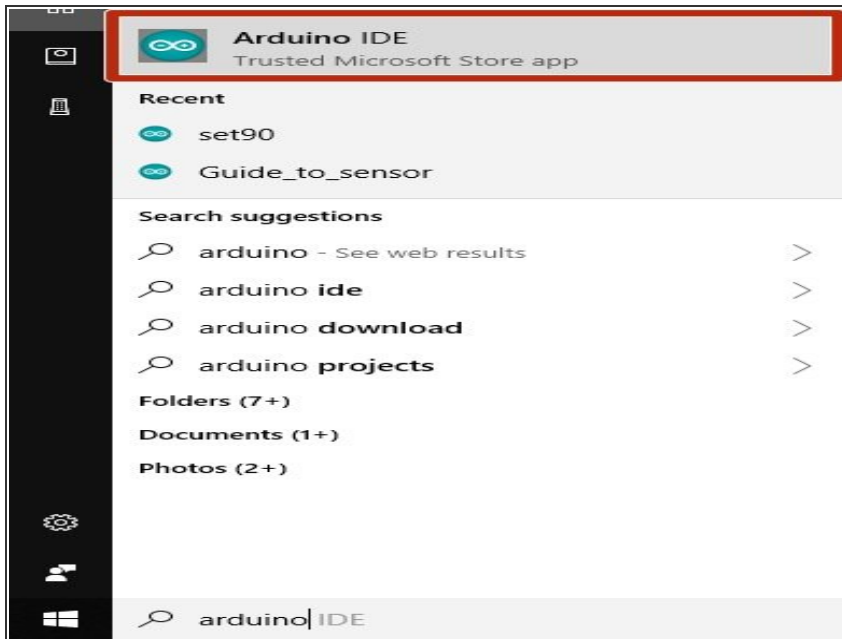
Step 7

- 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"

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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 sucessufully installed the Arduino, you are now on your way to start coding!

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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

- (i) It doesn't hurt to try another board if your program doesn't run properly

- (i) Try a different USB cable, or test the one you're using with a different device.

- (i) You circuit may also be incorrectly wired, try the board all by itself.

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