

Lesson 1 - Getting Started with Arduino

Note:

◆ If you have already installed Arduino IDE on your PC and have some experience with arduino, you can skip this chapter.

About Arduino IDE

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.

Install Arduino IDE

Install the Arduino Software (IDE) on Windows computer

Refer to: <https://www.arduino.cc/en/Guide/Windows>

Install arduino IDE on macOS System computer

Refer to: <https://www.arduino.cc/en/Guide/macOS>

Install arduino IDE on Linux System computer

Refer to: <https://www.arduino.cc/en/Guide/Linux>

Portable IDE (Windows and Linux)

Refer to: <https://www.arduino.cc/en/Guide/PortableIDE>

More information for Using Arduino IDE

Environment: <https://www.arduino.cc/en/Guide/Environment>


Official tutorials: <https://www.arduino.cc/en/Tutorial/HomePage>

Language Reference: <https://www.arduino.cc/reference/en/>

Here we detail how to Install the Arduino Software (IDE) on

Windows PCs

Get the latest version from this link (<https://www.arduino.cc/en/Main/Software>). You can choose between the Installer (.exe) and the Zip packages. We suggest you use the first one that installs directly everything you need to use the Arduino Software (IDE), including the drivers. With the Zip package you need to install the drivers manually. The Zip file is also useful if you want to create a portable installation.



Arduino IDE 1.8.19

The open-source Arduino Software (IDE) makes it easy to write code and upload it to the board. This software can be used with any Arduino board.

Refer to the [Getting Started](#) page for Installation instructions.

SOURCE CODE

Active development of the Arduino software is [hosted by GitHub](#). See the instructions for [building the code](#). Latest release source code archives are available [here](#). The archives are PGP-signed so they can be verified using [this](#) gpg key.

DOWNLOAD OPTIONS

Windows Win 7 and newer
Windows ZIP file

Windows app Win 8.1 or 10 [Get](#)

Linux 32 bits
Linux 64 bits
Linux ARM 32 bits
Linux ARM 64 bits

Mac OS X 10.10 or newer

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

If we choose Installer (.exe) for Windows.

Click **Windows Win 7 and newer** and **JUST DOWNLOAD**.

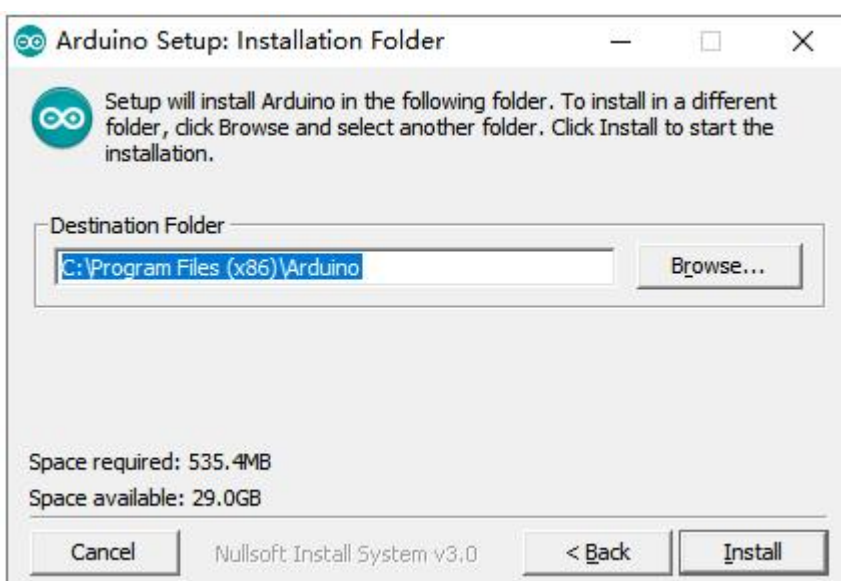
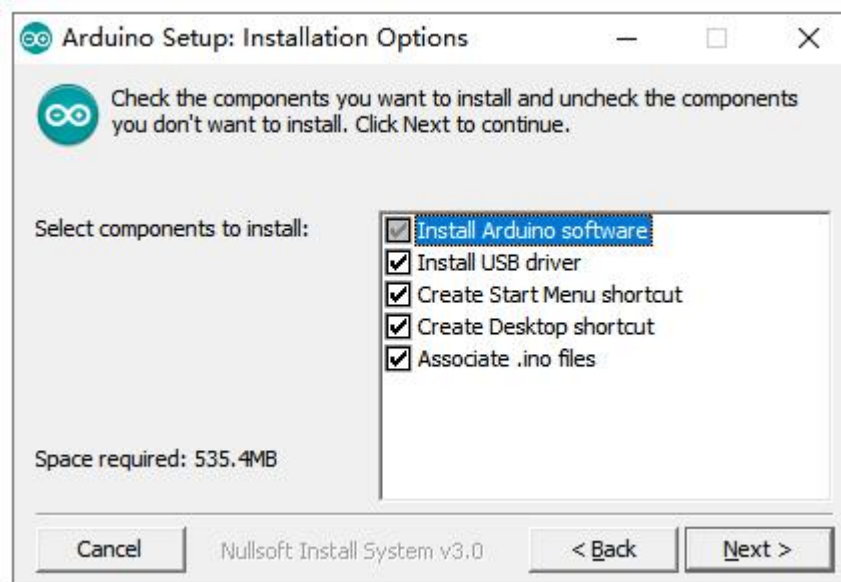
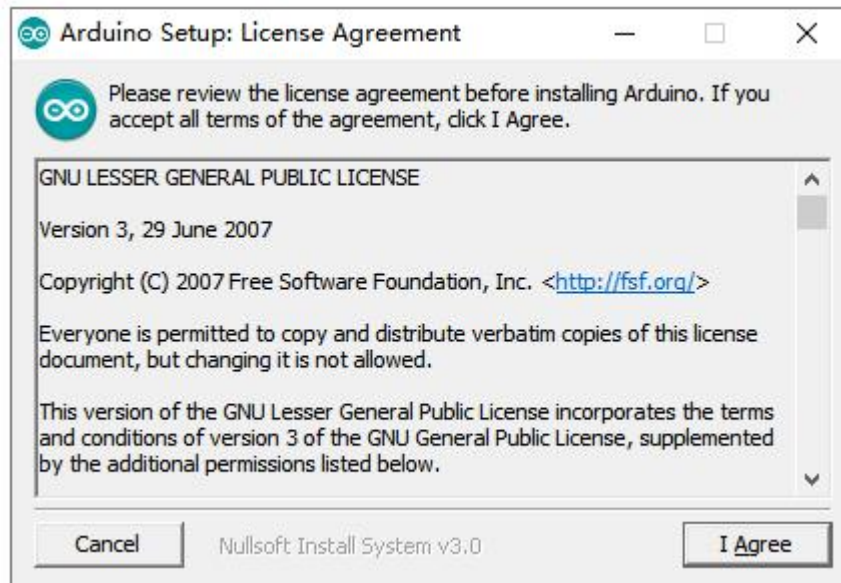


Double-click the arduino IDE (.exe) file

Click "I Agree"







Click "Next"

Click "Install" to initiate installation.



The functions of each button on the Toolbar are listed below:



 Verify/Compile	Check the code for errors
 Upload	Upload the current Sketch to the Arduino
 New	Create a new blank Sketch
 Open	Show a list of Sketches
 Save	Save the current Sketch
 Serial Monitor	Display the serial data being sent from the Arduino