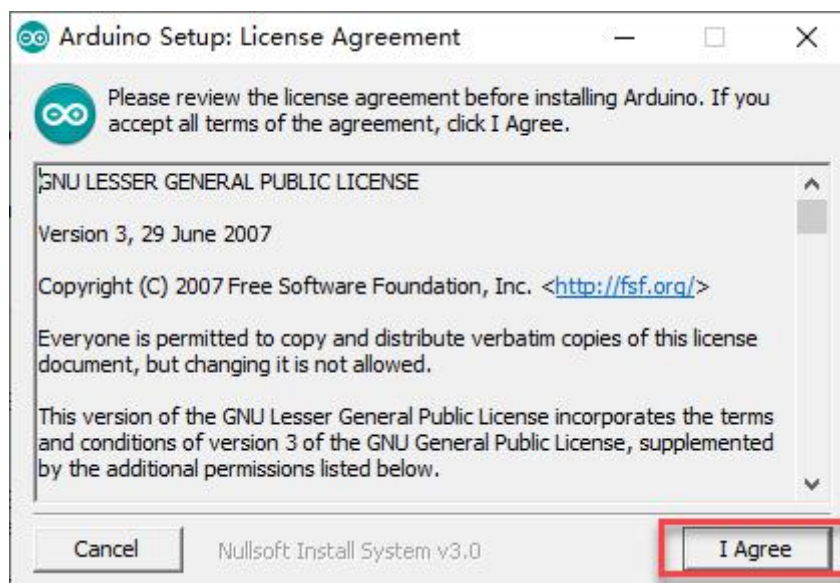# Arduino IDE Installation

1.Arduino Software Installation

Arduino IDE is a software specially designed for Arduino single-chip microcomputer, with powerful functions. No matter which versions, they have same installation processes. Take the windows version of Arduino-1.8.12 software version as an example:
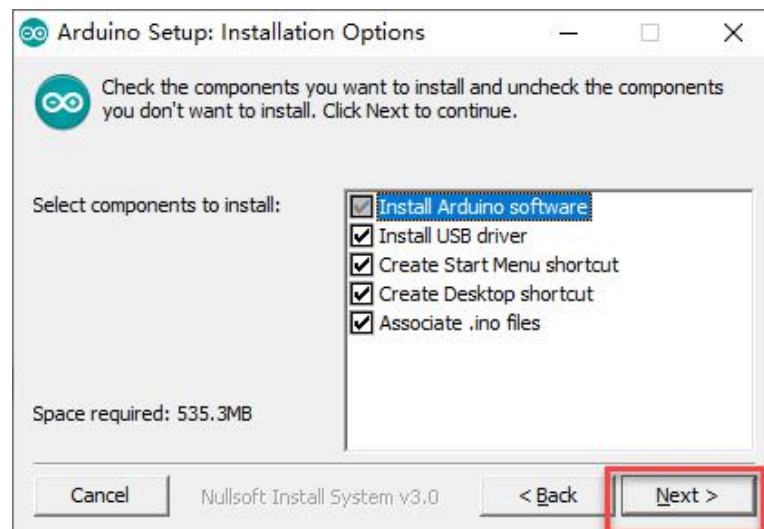
1) Go to folder "Arduino IDE Installation Pack", double-click to run the file "arduino-1.8.5-windows.exe".
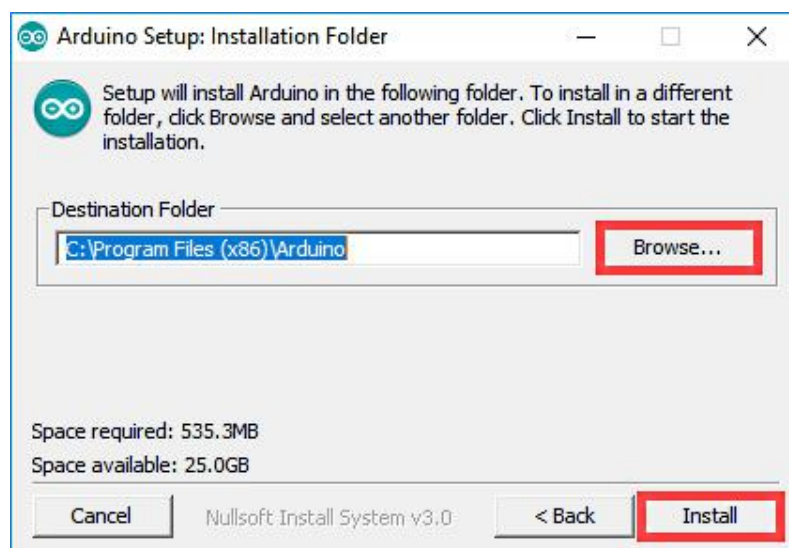

arduino-1.8.12-win.exe

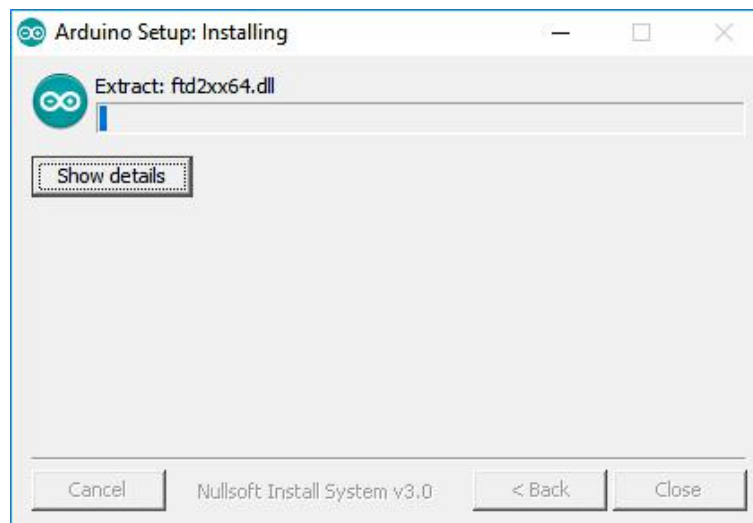2) Click "I Agree" to install it.

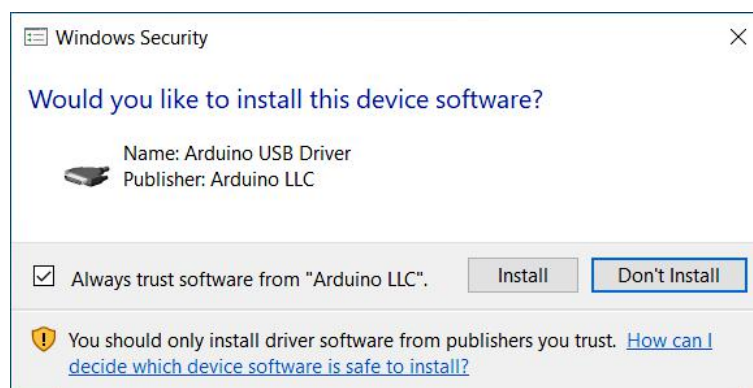3) Select default options, click "Next" to enter the next step.

4) Click "Browser" to select destination folder to install, and then click "Install" button.
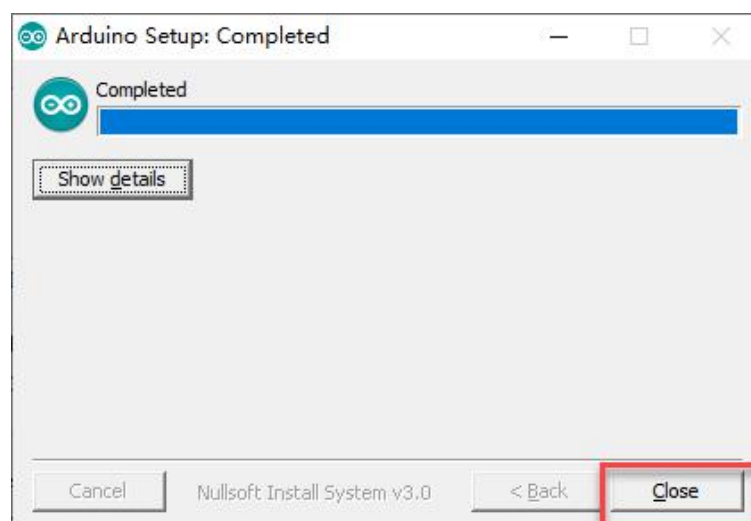

5) Wait for the program installation to complete.

6) If prompted to install the chip driver during the installation process, click "Install" button.
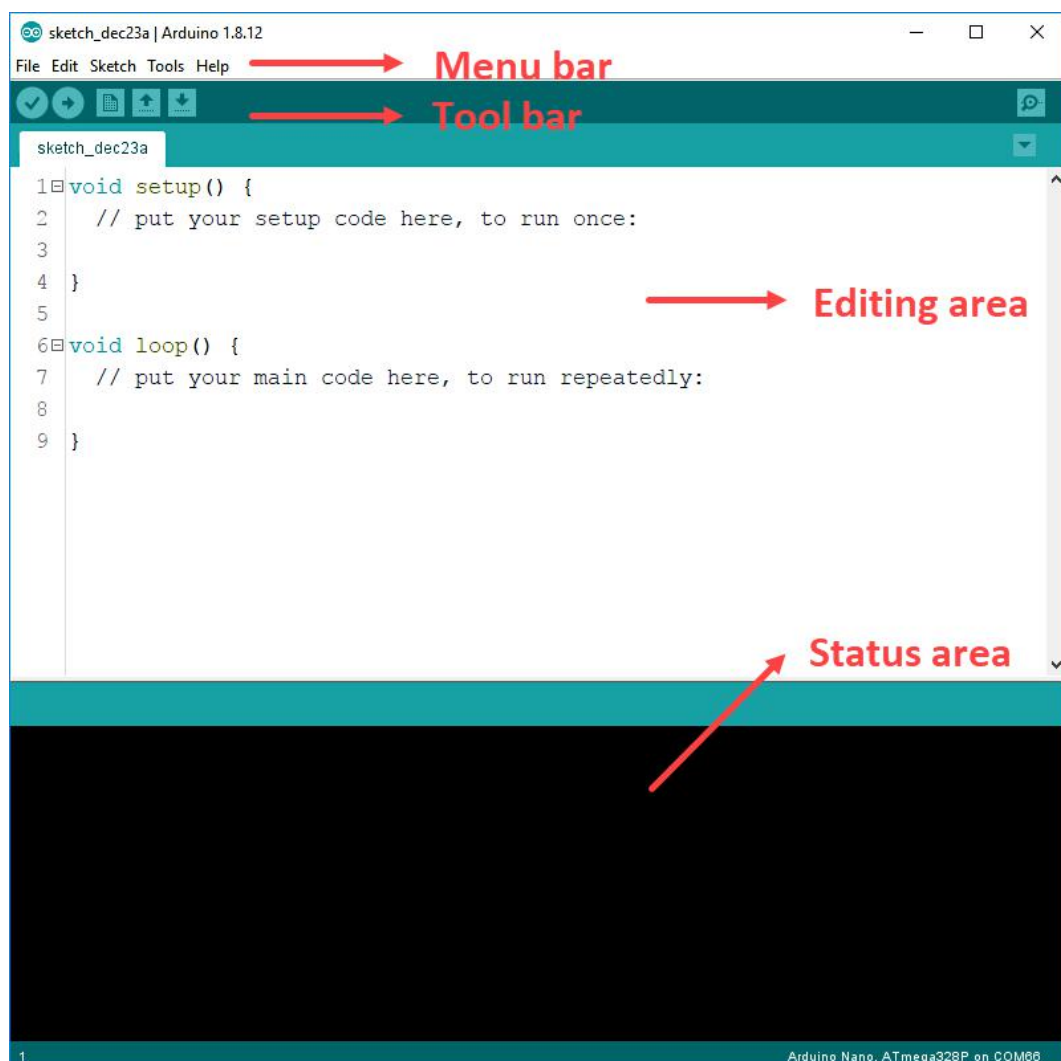

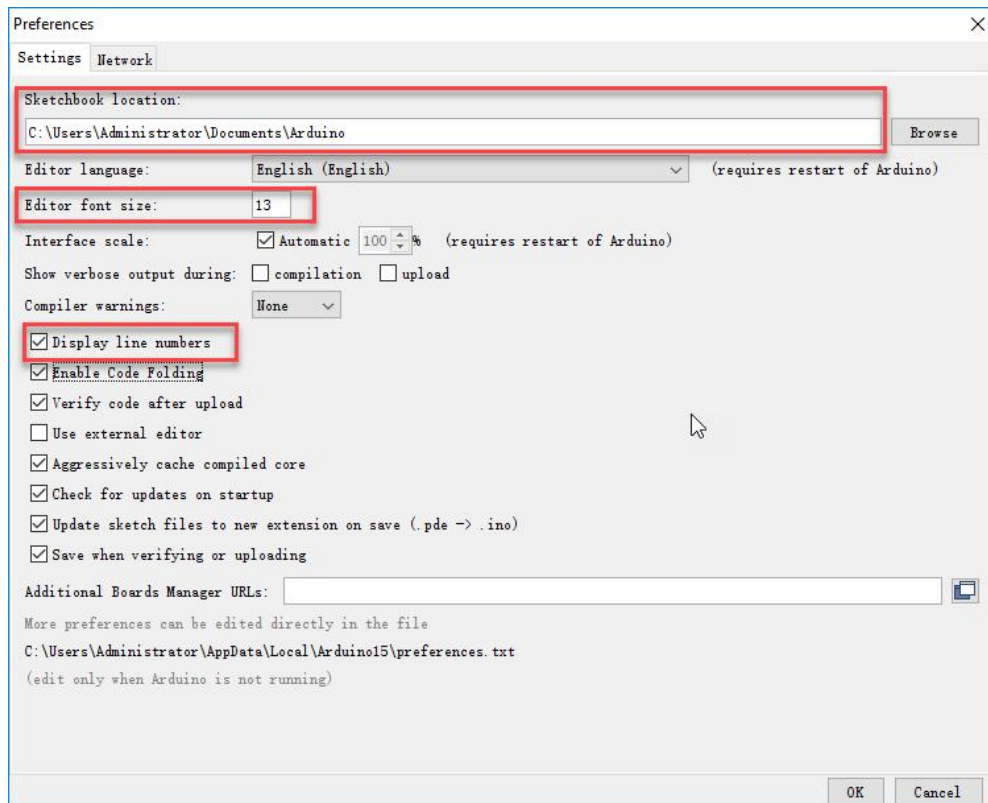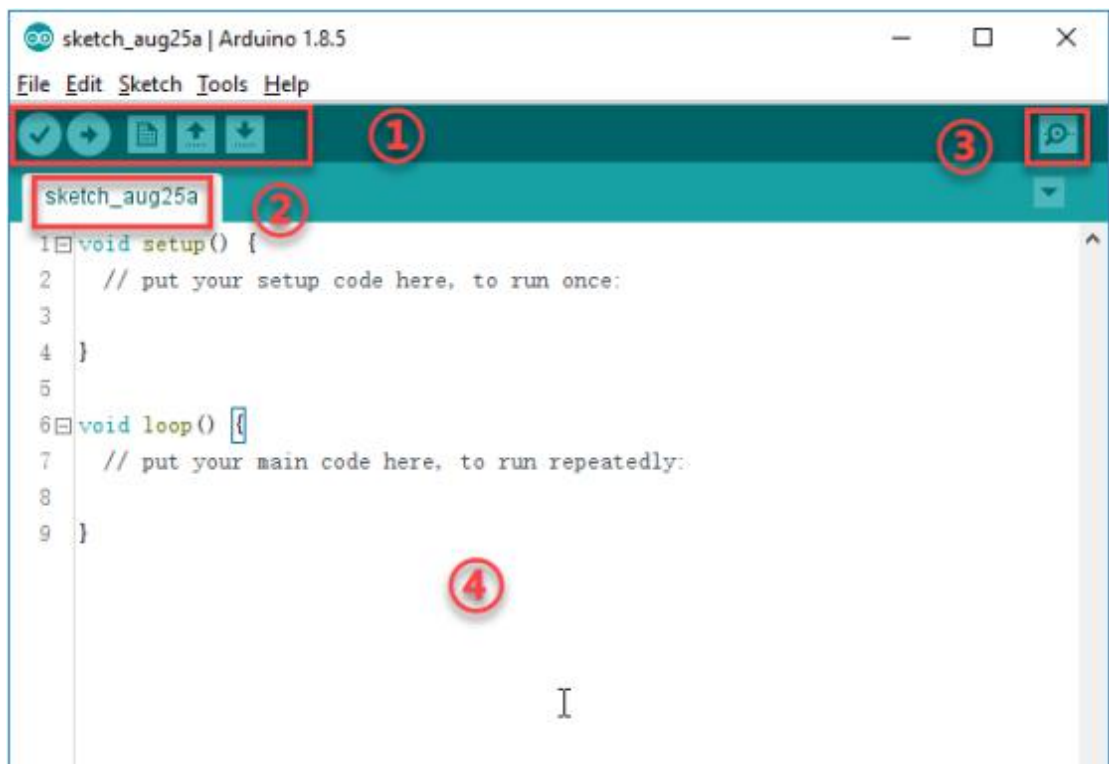7) After Installing, click "close" button.

2. Software Introduction

1) Double click to open Arduino IDE.

2) Interface of the Arduino IDE as shown below.

3) Click to select "File->Preferences". In the pop-up window, you can set the IDE project save location, language, font size, line number, etc.

4) Main function of Arduino IDE interface: 1.Toolbar 2.Project preference
3.Serial monitor 4.Code editing area 5. Debugging prompt area.

5) On the toolbar, Arduino IDE provides shortcut keys for common functions, as shown in the following table:

Toolbar Icon	Function
	Correction. Verify whether a program is written correctly, and if it is correct, compile the project.
	Download, Download program to the Arduino controller
	Create a new project
	Open a project.
	Save a project.
	Serial monitor can check the data sent or received by the serial port.