Mac OS Tutorial for Arduino IDE Installation

Ⅰ.Arduino IDE

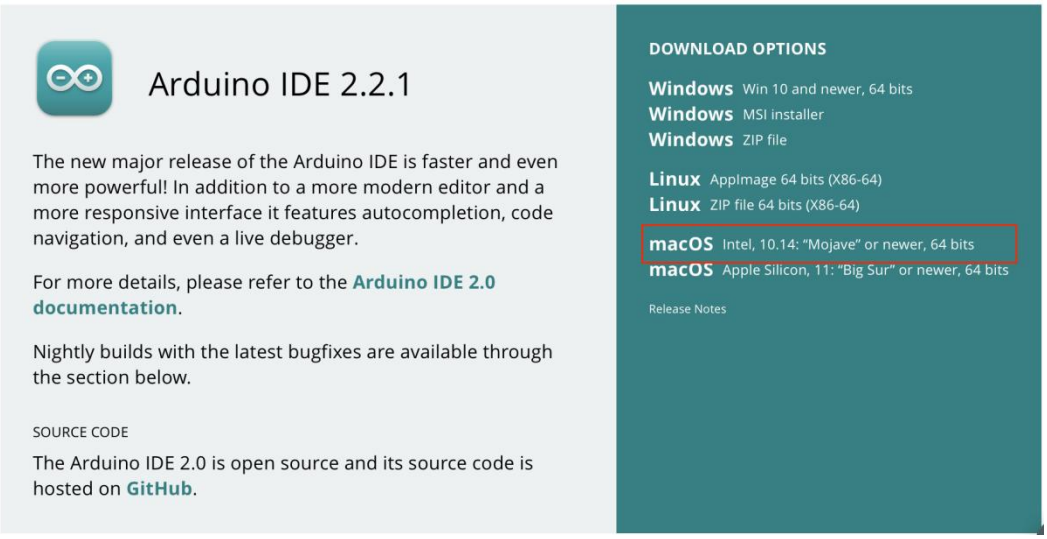
As an open source software, Arduino IDE is developed based on Processing IDE, which is the integrated development environment officially launched by Arduino.

With Arduino IDE, you just write the program code in the IDE and then upload it to the Arduino board. The program tells the Arduino what the board needs to do.

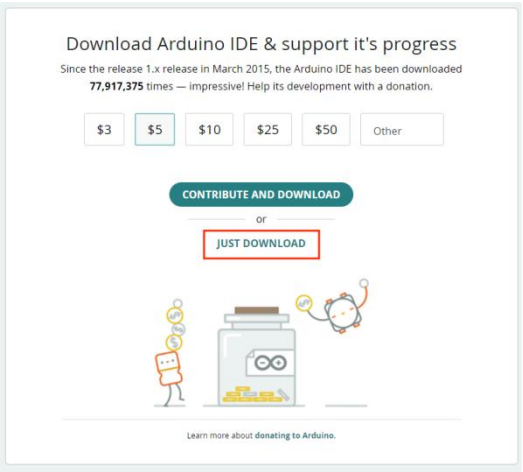
Ⅱ.Download the Arduino IDE for Mac OS

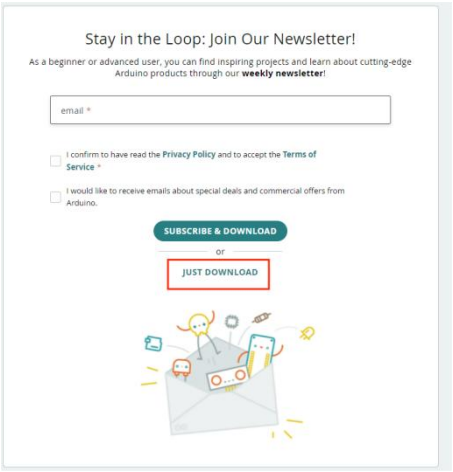
1.Download Arduino IDE

①Download the Arduino IDE's website address: https://www.arduino.cc/en/Main/Software, open the url according to the following chart to select the corresponding version in the future.

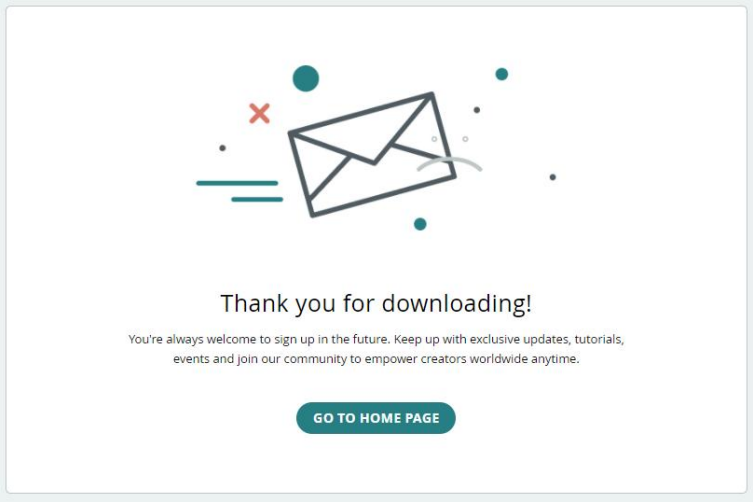


②Select JUST DOWNLOAD.



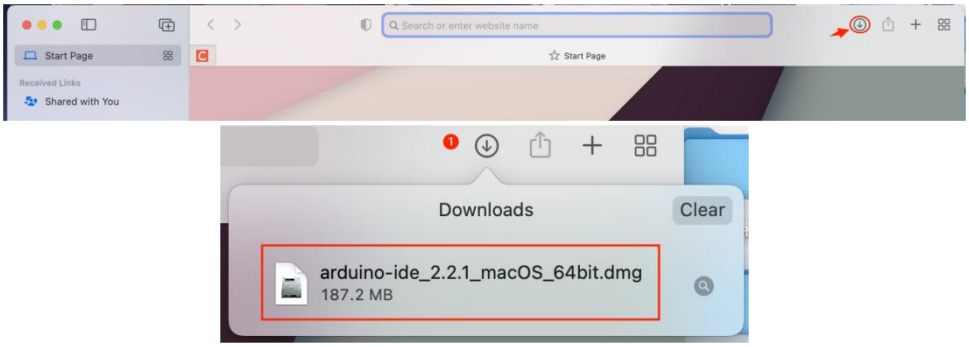


③When the following screen appears, the Arduino IDE is downloading.

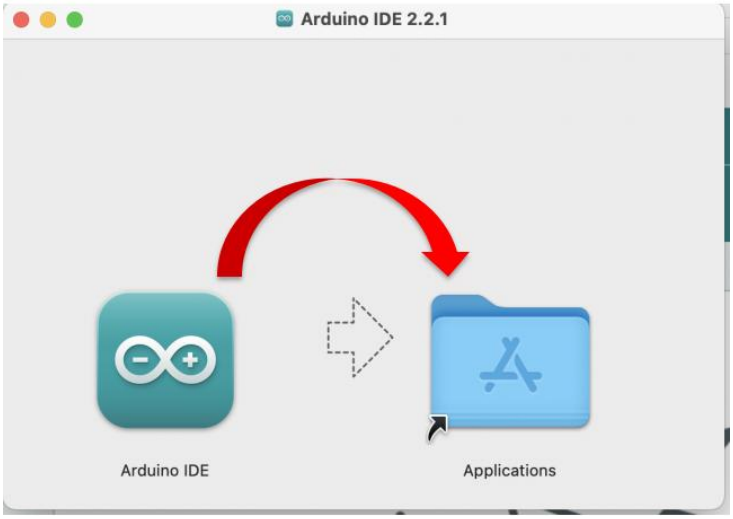


2.Install the Arduino IDE

①When the download is complete click the download icon in your browser and find the Arduino IDE installer.



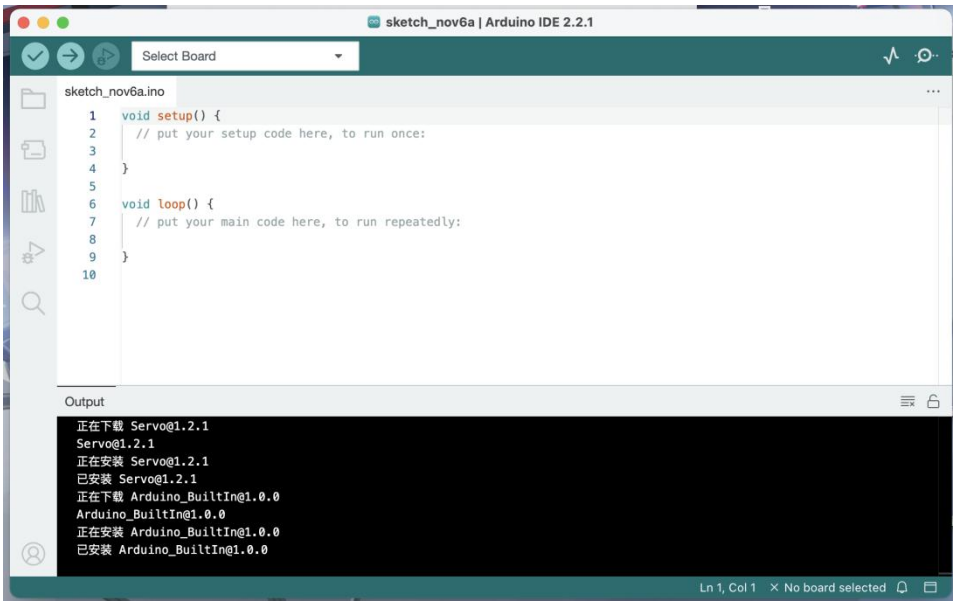
②Click on the install package to appear the installation screen, just select the Arduino IDE icon, move to the Applications to install the program.



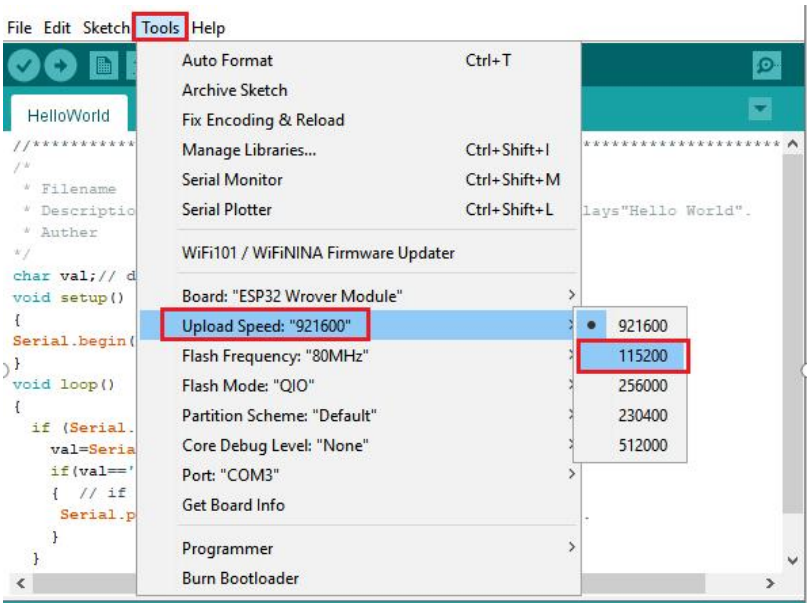
3.The Arduino IDE installation is complete

①In launchpad, locate the Arduino IDE and open it.

②Open the program to see the following program interface.



③For Mac OS users,set the baud rate to 115200 before clicking the upload button.



Ⅲ.How to install CH340 serial driver on MAC

Connect the main control board to your computer with a USB cable, and the driver will be installed automatically on MacOS and Windows systems. If the driver installation fails, you need to install the driver manually.

1.Download drivers

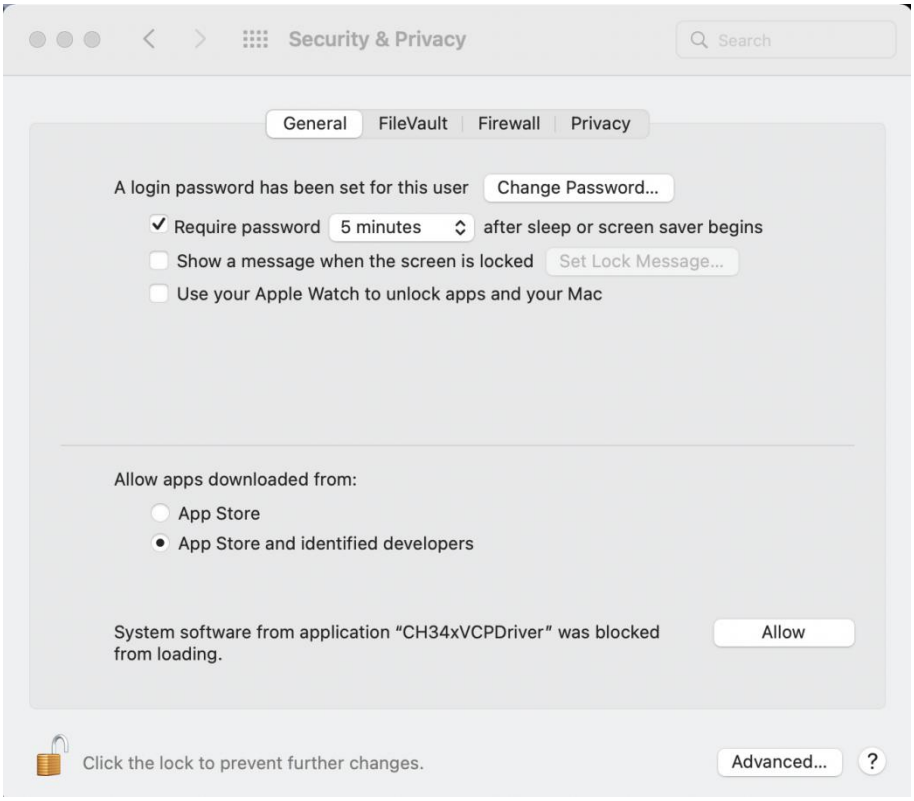
①Download the driver from the website and unpack it into your local installation directory. You can find the "CH340 Driver file-mac "folder in the resources package we provided, this is the Driver File we want to install.

2.Prepare to install the driver

①The instructions for installing the pkg format driver by default can be found in the document titled "Installing the pkg Format Driver."

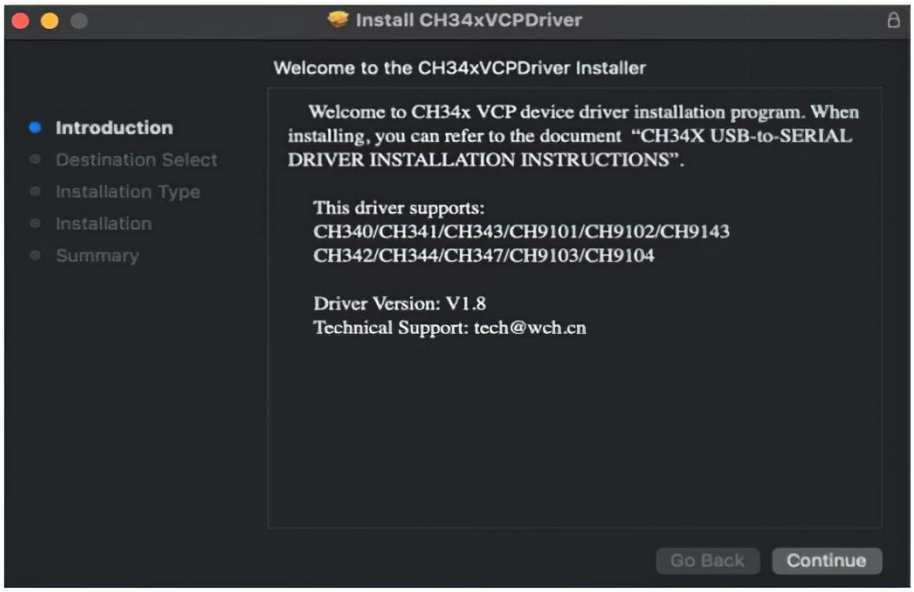
②If Rosetta is not supported in OS X 11.0 or later, see "4. Install the dmg driver."

③Before installation, go to "System Preferences" -> "Security and Privacy" -> "General" page. Under the section titled "Allow apps downloaded from," choose the option for "Mac App Store and identified developers" to ensure proper functionality of the driver.

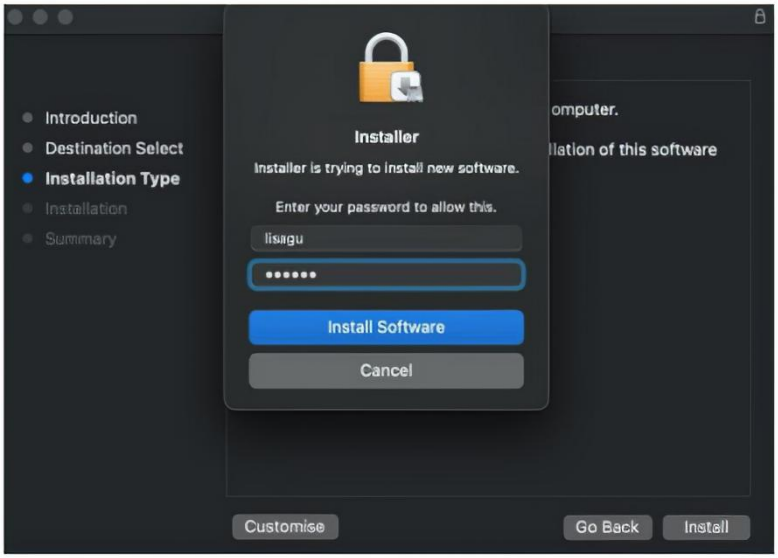


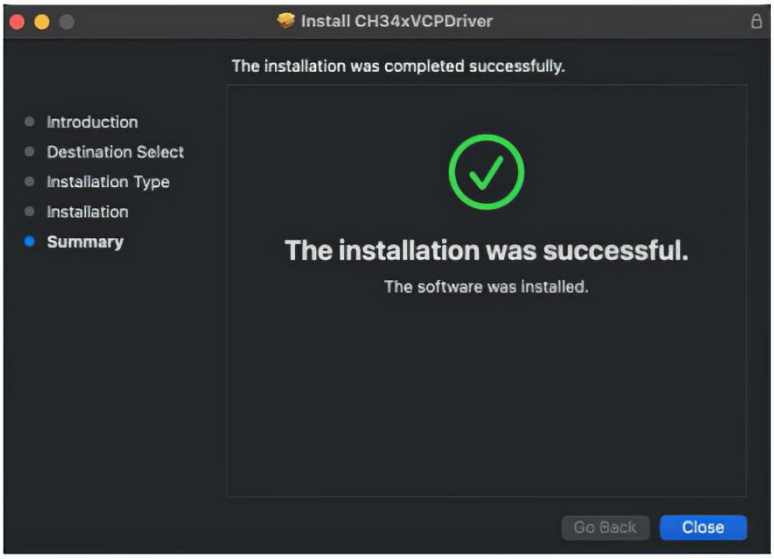
3.Install the pkg format driver

①Install pkg format driver, click driver file -> Continue -> Install.

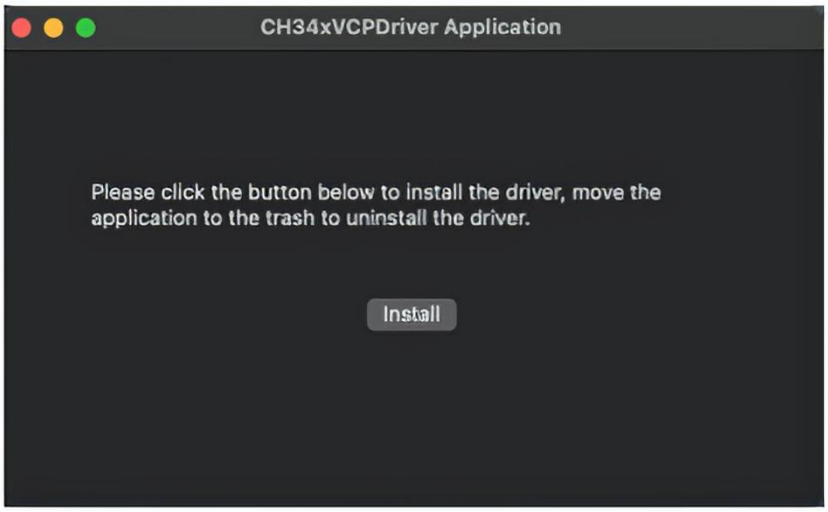


②Then install successfully.

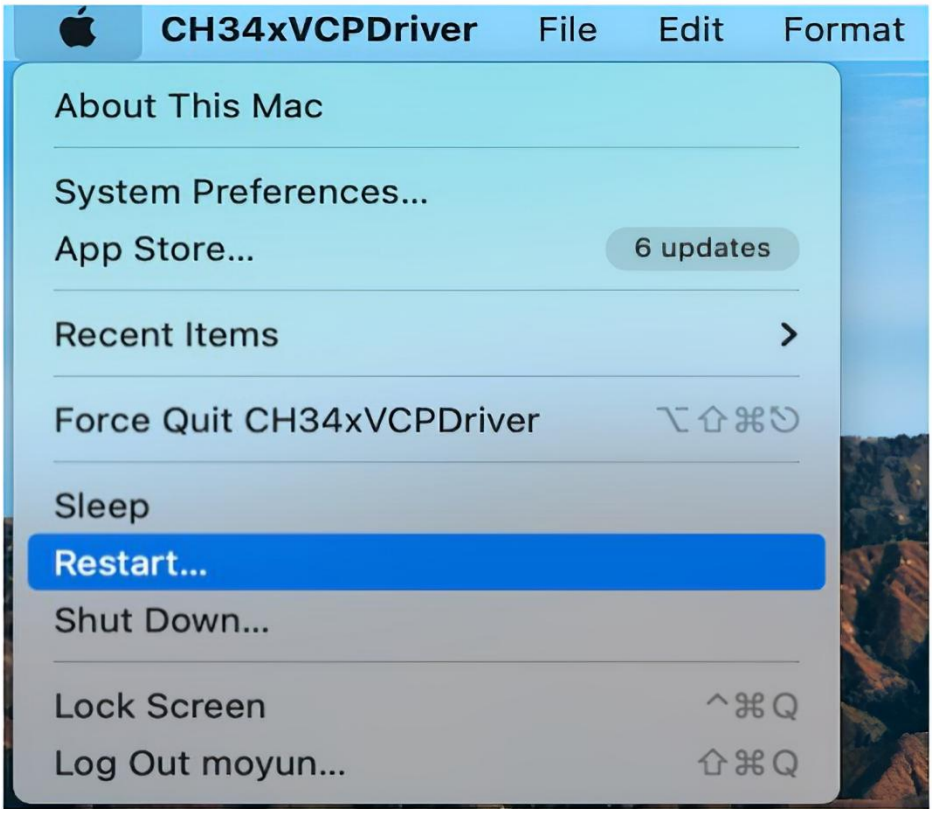




③Install the pkg format driver on OS X 11.0 and later: open "LaunchPad" -> "CH34xVCPDriver" -> Install.

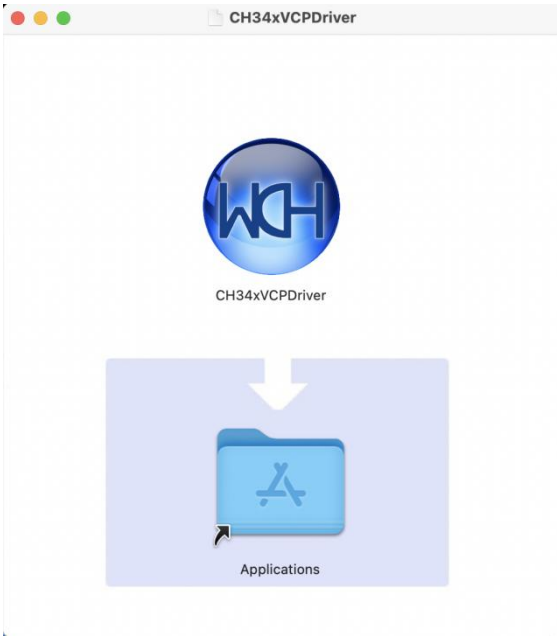


④When using OS X 10.9 through OS X 10.15, click Restart to restart your computer, and perform the following steps after restarting.

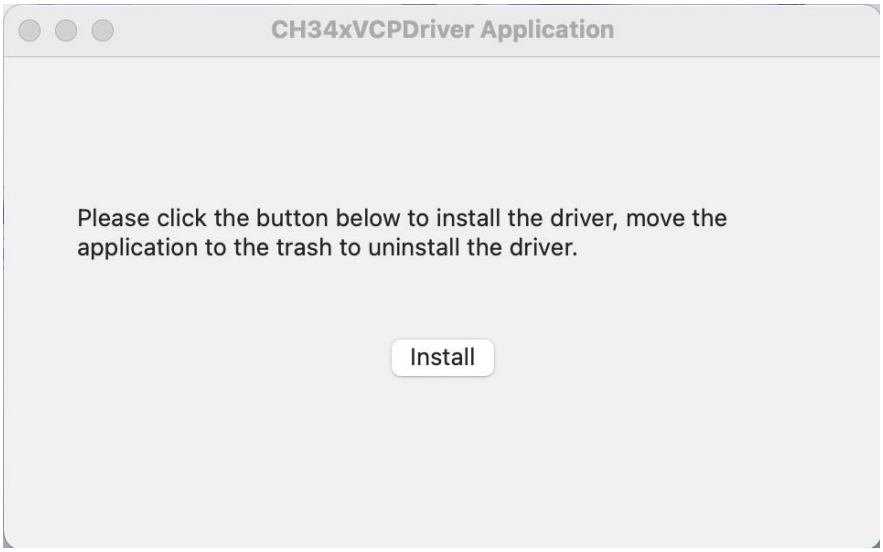


4.Install the dmg format driver

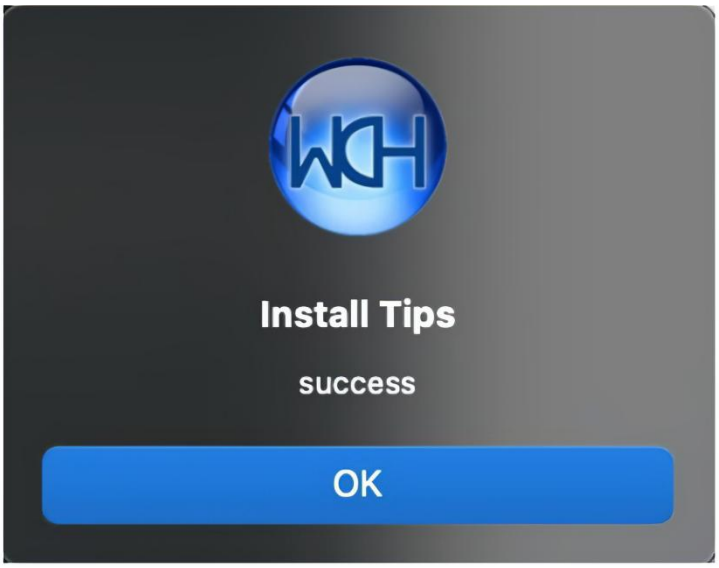
①Install the dmg driver, click the dmg file and drag "CH34xVCPDriver" into the application folder of the operating system.



②Then open "LaunchPad" -> "CH34xVCPDriver" -> Install.



③Then install successfully.



5.Check whether the CH340 serial port driver is installed

When the control board is inserted into the USB port, open the system report -> Hardware -> USB. On the right is the USB device.

If the USB device is working correctly, you can find a device with a "Vendor ID" of [0x1a86].