

DUBEUYEW ESP32-S3

Product introduction:

This product is a development board based on the ESP32-S3-WROOM-1 module, with many IO ports and WS2818RGB onboard, corresponding to IO48. It has two Type-C interfaces, one of which can be used directly and has a COM mark, and the other USB can use OTG or press BOOT to power on to display the port normally and download the program. The factory program is that RGB automatically lights up after connecting to WiFi and goes out after disconnecting.

Product parameters:

Working voltage: 3.3~5V

IO port: 36 IOs

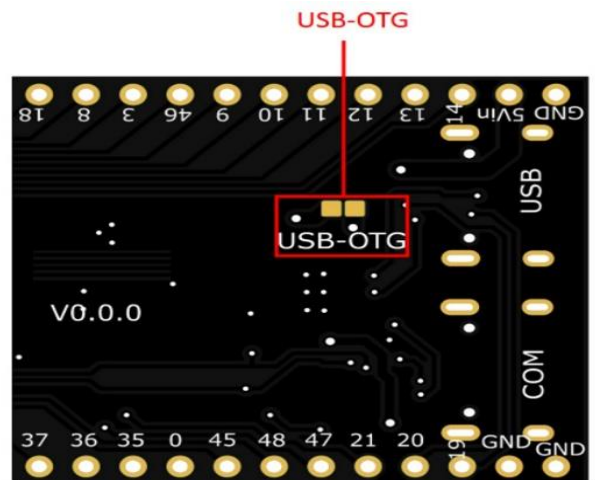
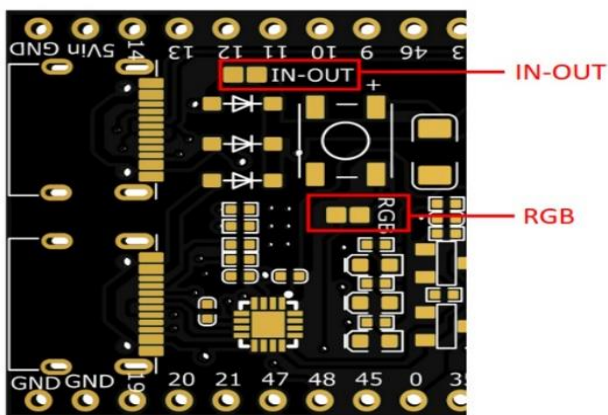
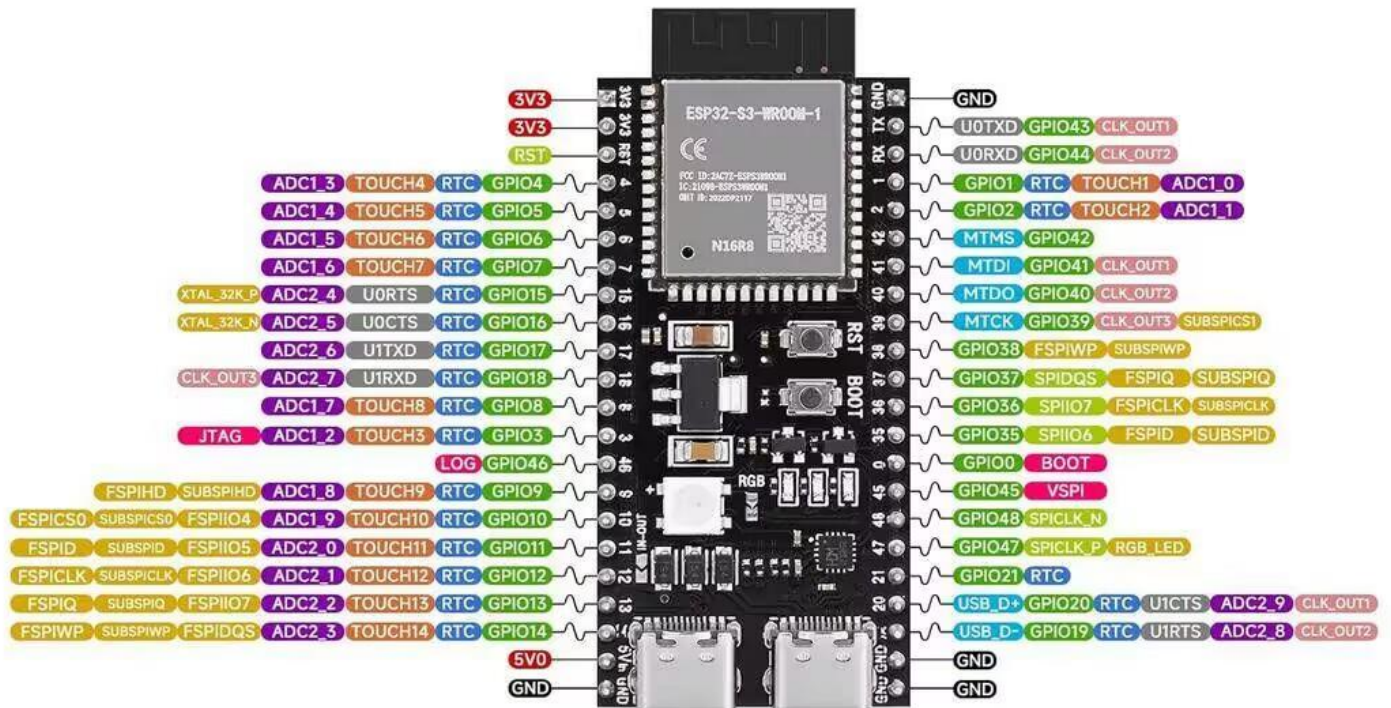
Flash: 16M PSRAM: 8M

2 I2C, 4 SPI interfaces

Note:

Be careful not to short-circuit the pins, which may burn the module

Functional diagram



IN-OUT: Short or use 0 ohm resistor to connect to make the 5Vin pin output 5V.

RGB: Short or use 0 ohm resistor to connect the RGB light can be used normally (default connection).

USB-OTG: short or use 0-ohm resistor to connect, the Type-C port of the silkscreen USB can be to use the OTG function.

Product usage:

Take ArduinoIDE to light up RGB as an example

Step 1: Download and install the CH343 driver

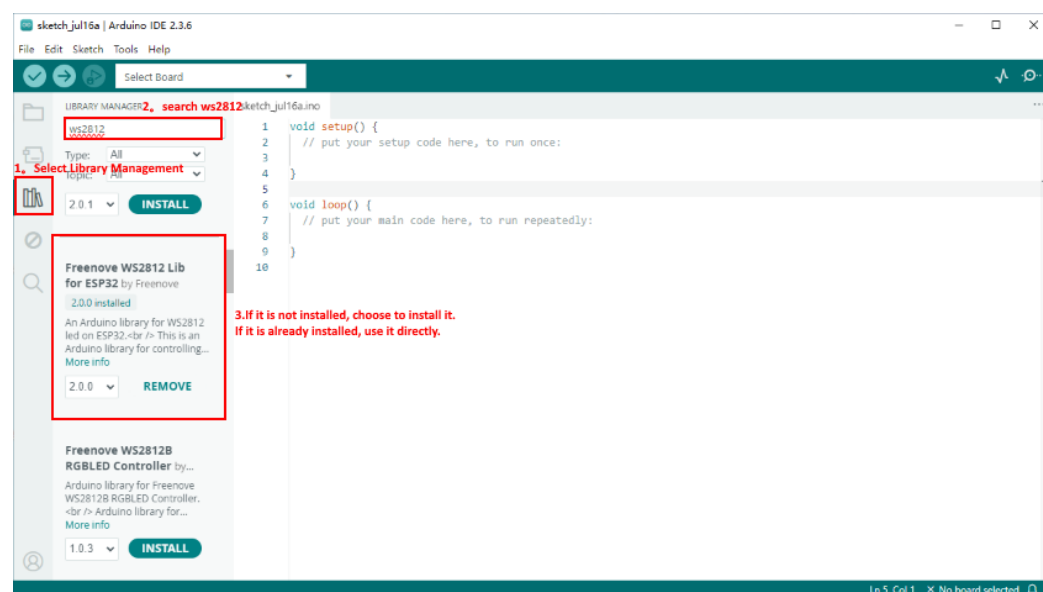
1. If the computer system does not automatically install the driver, and the product does not respond after being connected to the computer, please Click the website below to enter the download interface

https://www.wch-ic.com/downloads/CH343SER_EXE.html

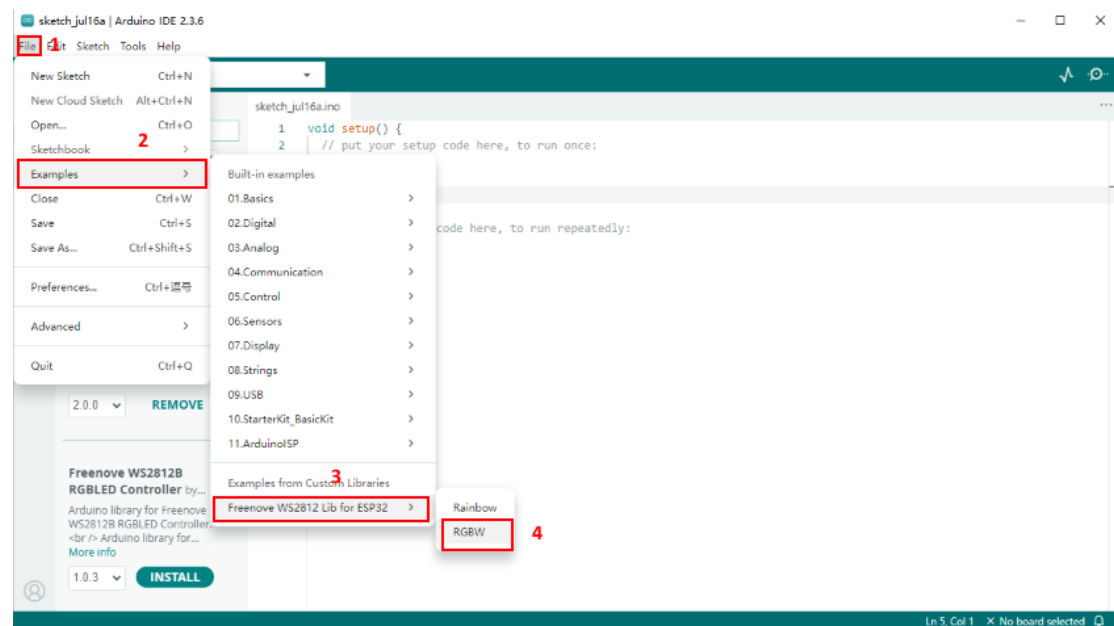
If it still doesn't work and the port cannot be found, please check the tutorial link:

https://www.youtube.com/watch?v=k2-K6_SvRCQ&t=13s

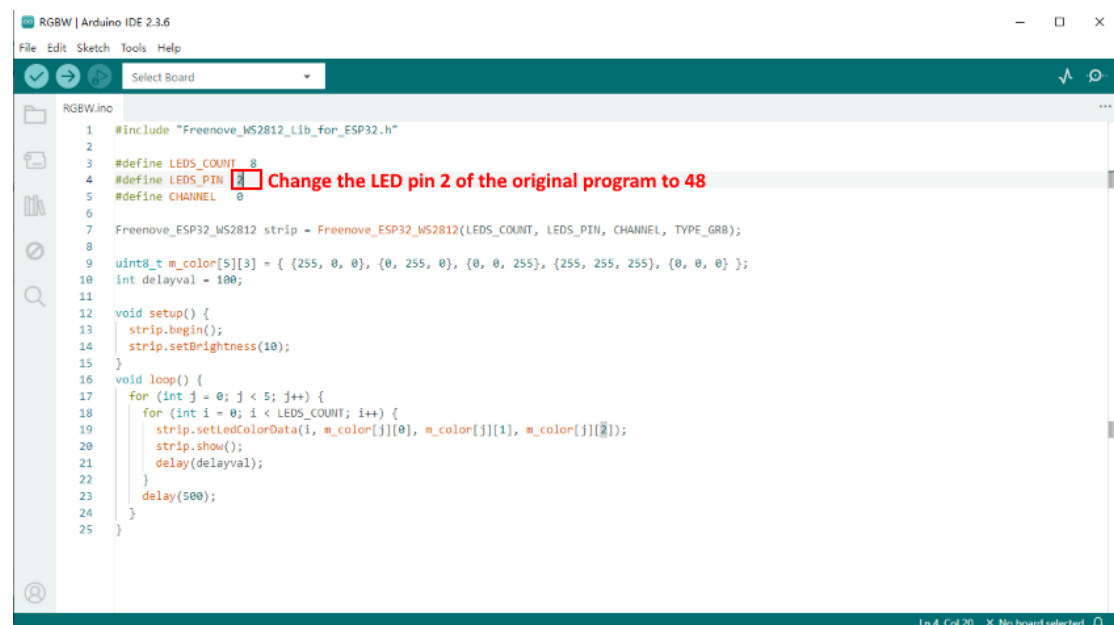
Step 2:First install the WS2812 library corresponding to ESP32 in Arduino IDE



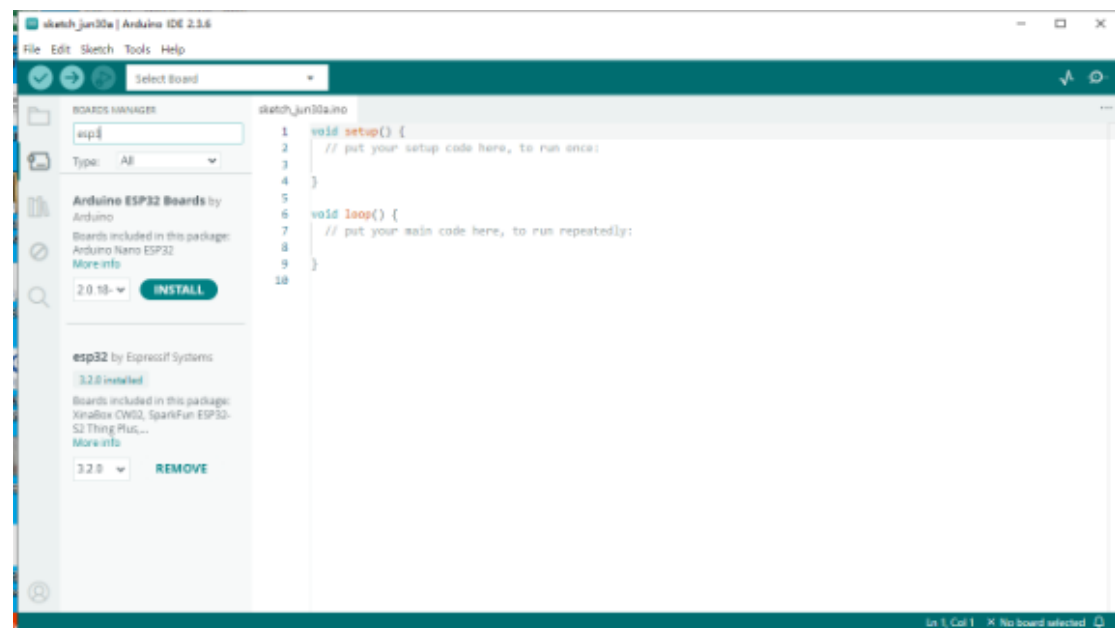
Step 3: Select Example, find the corresponding library and open the RGBW example



Step 4: Change the LED_PIN defined in line 4 of the program to 48

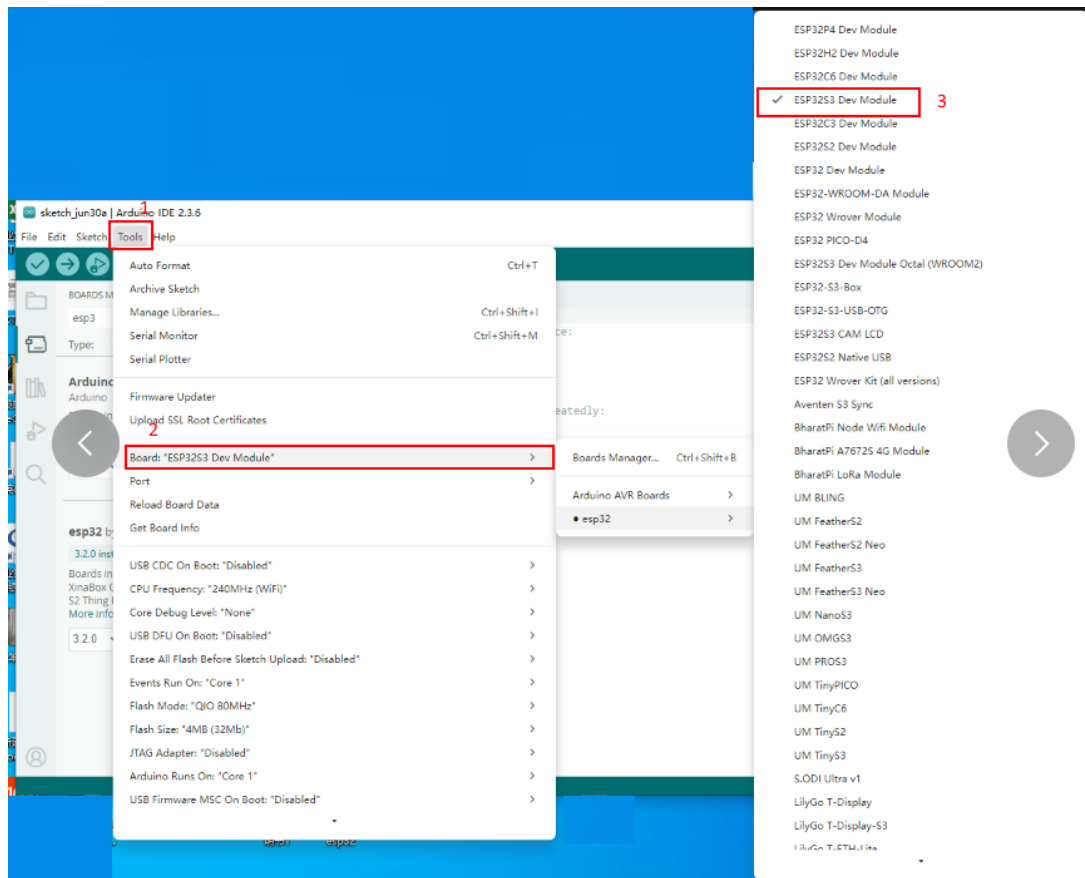


Step5:

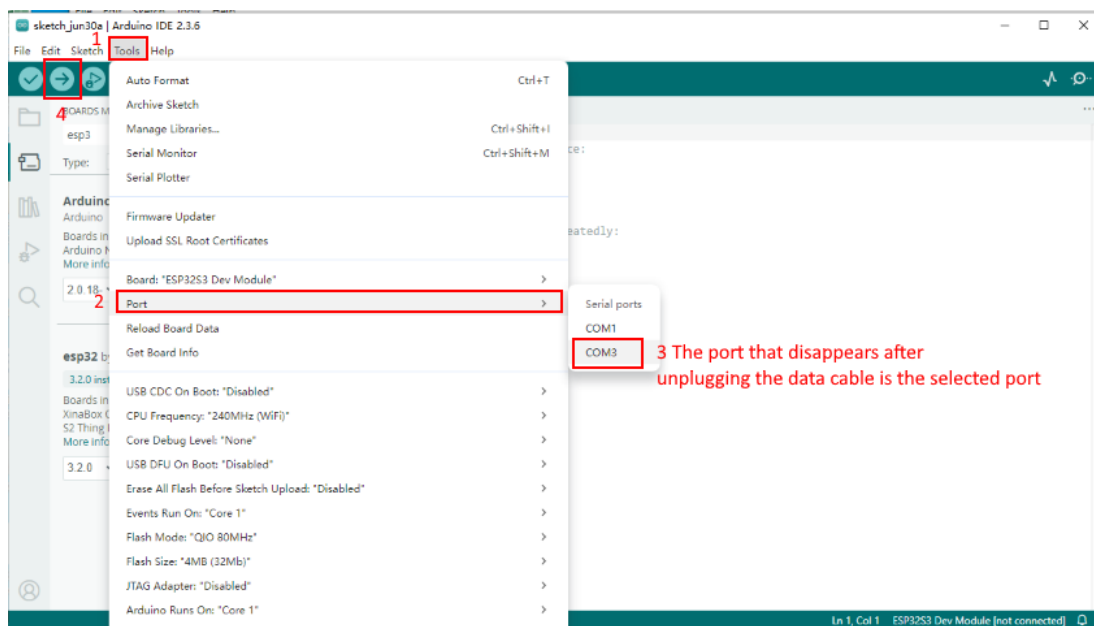


If the esp32 installation fails, please contact customer service directly to get the data package for installation

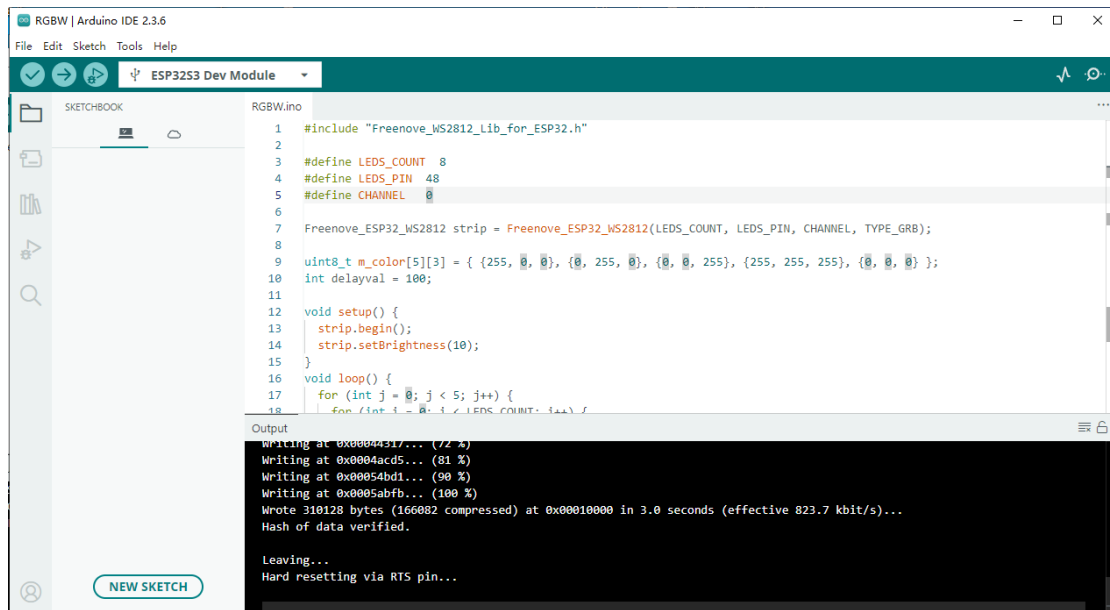
Step6: Select the port and development version and click Upload.



If there is no development board selection, it means that the fifth step was not installed successfully. Please contact customer service.



If there is no display port, the driver has not been installed successfully, please go back to the first step



If the upload fails, please press the RST reset button or unplug the USB and replug it.

Tips:

If there is any problem during the process, please contact us, we will do our best to help solve it, wish you a happy life。