

1. Drive installation method as shown in the following picture:

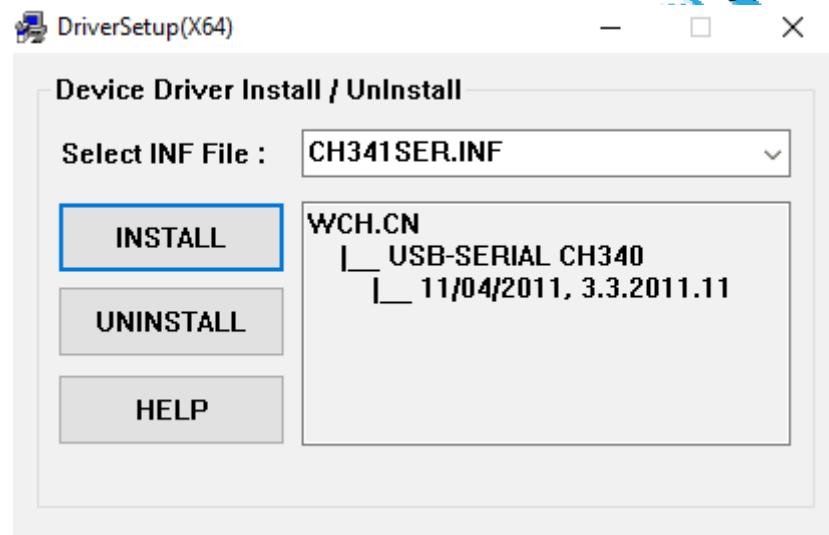
1.1 We need to open the installation package: **Uart drive(CH340)**, as shown in the following picture.



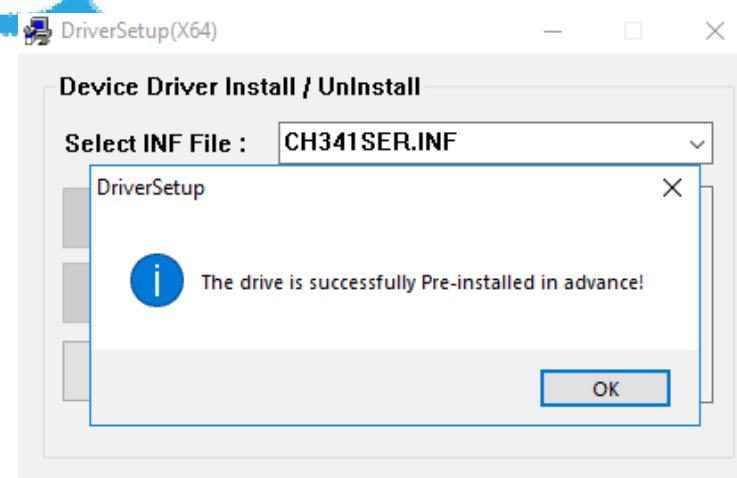
1.2 We need to double click to **CH341SER.EXE**, as shown in the following picture.



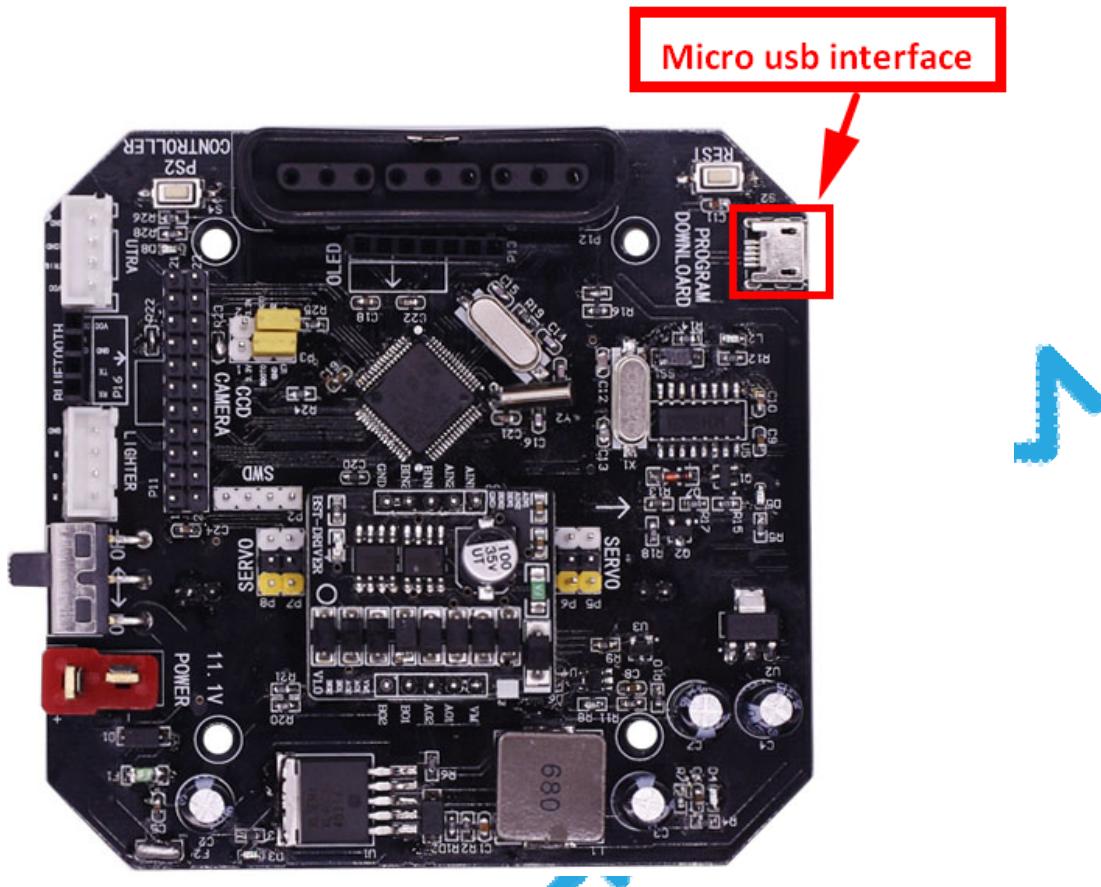
1.3 We need to double click to "INSTALL", as shown in the following picture.



1.4 We need to click "OK" to install the driver successfully.



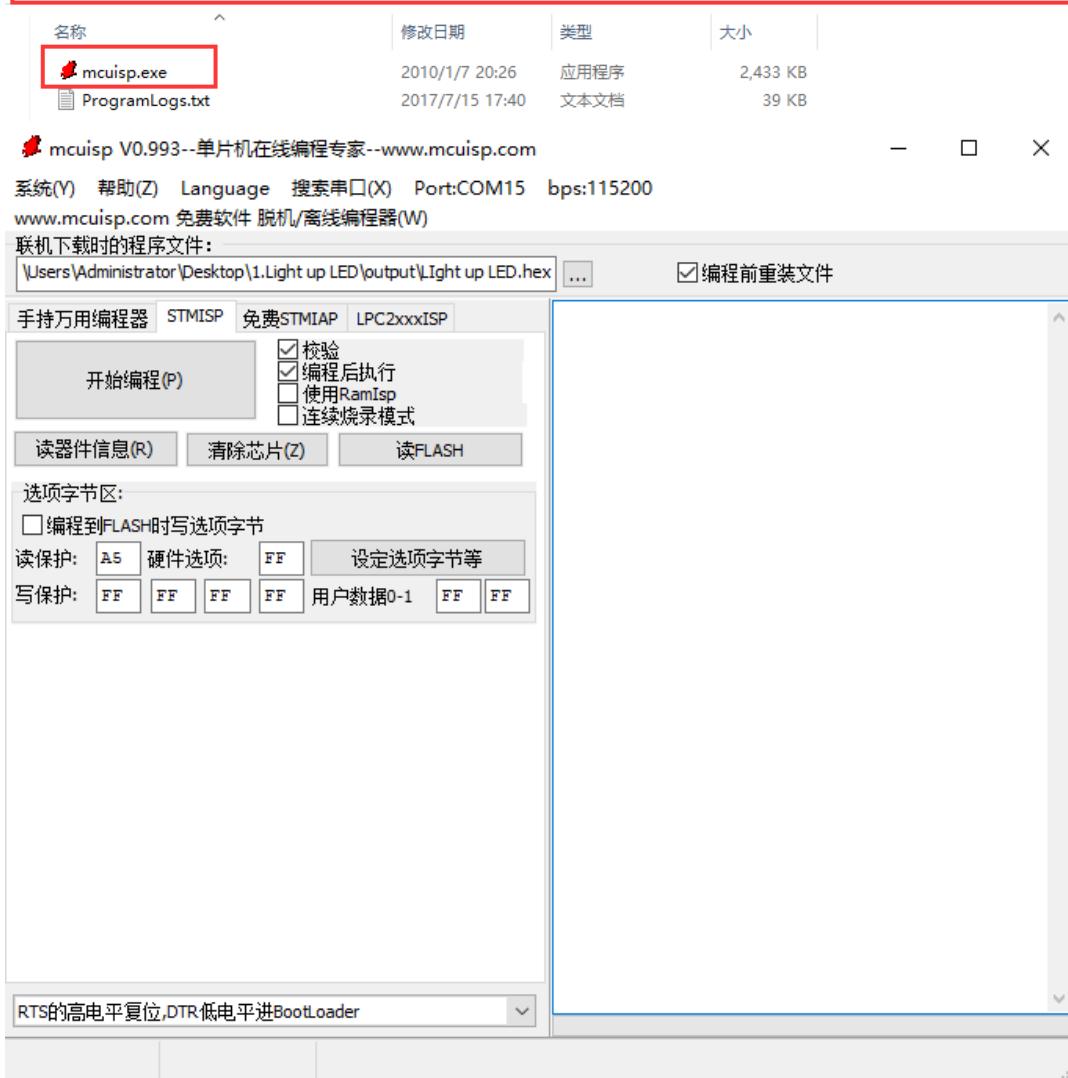
1.5 Plug one end of the data cable into the micro usb interface of the STM32 expansion board, and plug the another end into the USB port of the computer. When the CH340 port appears in the device manager of the computer, the driver is successfully installed and the port can be recognized. As shown in the following picture.



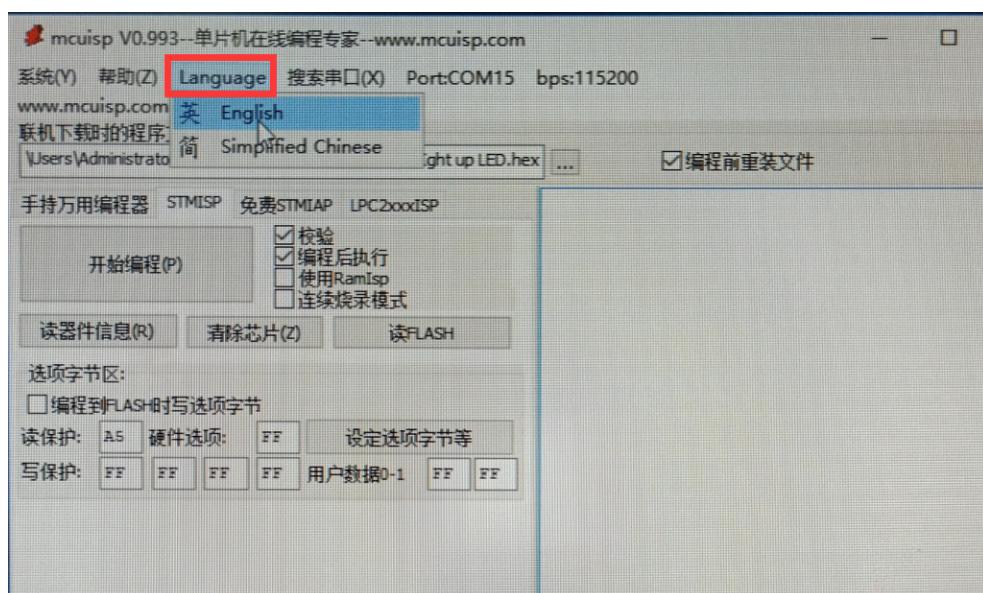
2. STM32 serial port burning steps:

- 2.1 Plug the USB cable into the expansion board.
- 2.2 Open mcuisp and you need to do some configuration.

STM32 Visual Tracking Car > 2.Development environment construction > 3.Download program tutorial > STM ISP Downloader MCUISP

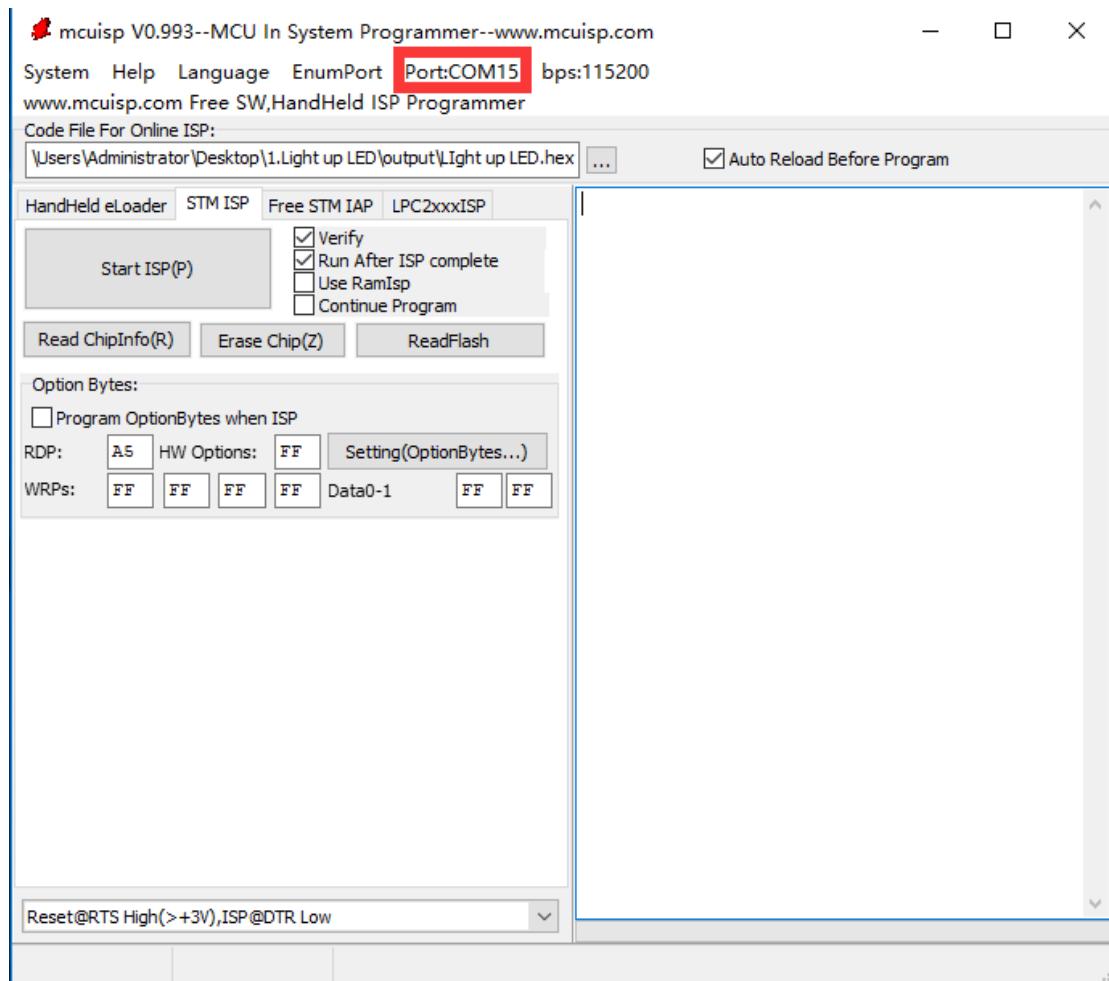


2.3 You can switch the language of the software by clicking on the location shown below.



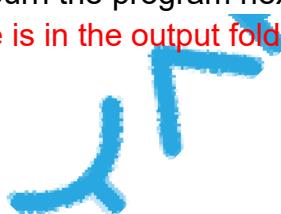
2.4 You can select CH340 port by clicking on the location shown below.

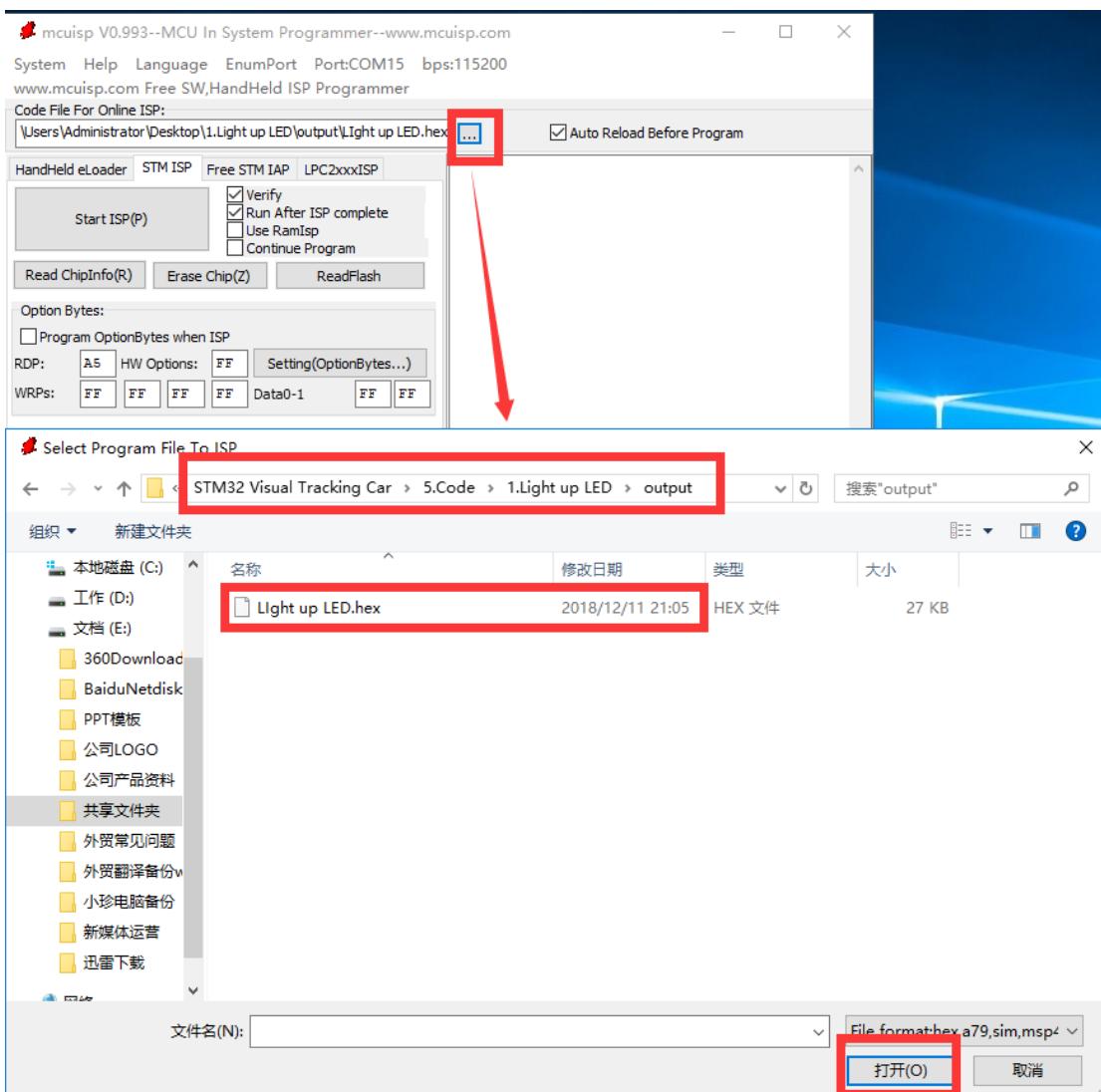
(Note:COM15 is the port recognized by my computer. Your computer may be another port.
As long as it is the same as the device manager, it is the correct CH340 port)



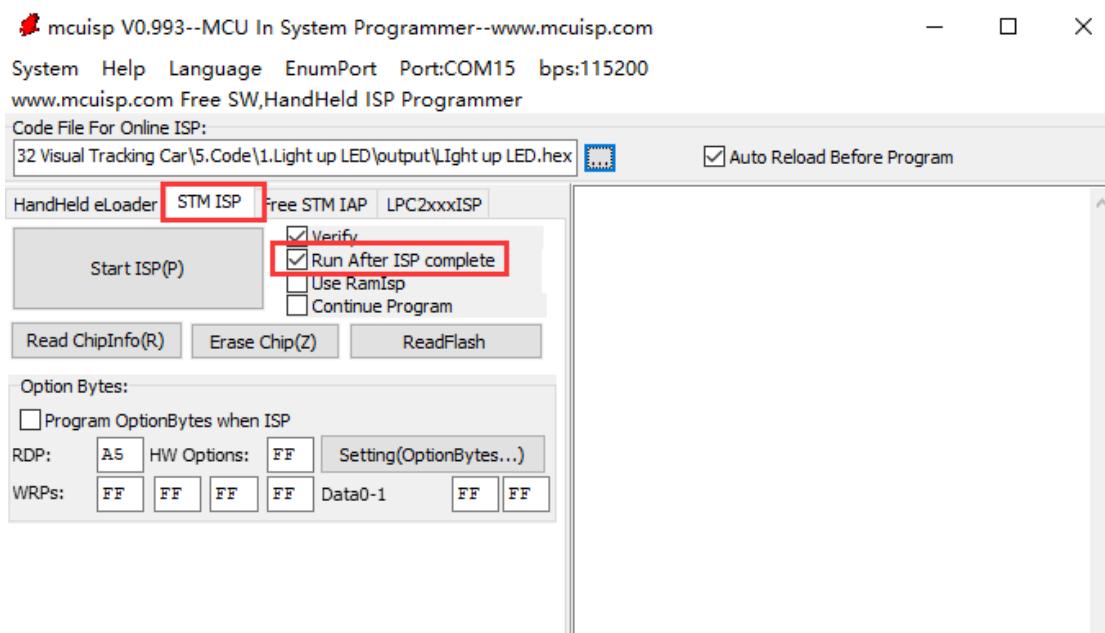
2.5 You need to burn the program hex file by clicking on the location shown below.

(Note:The hex file is in the output folder of each code)

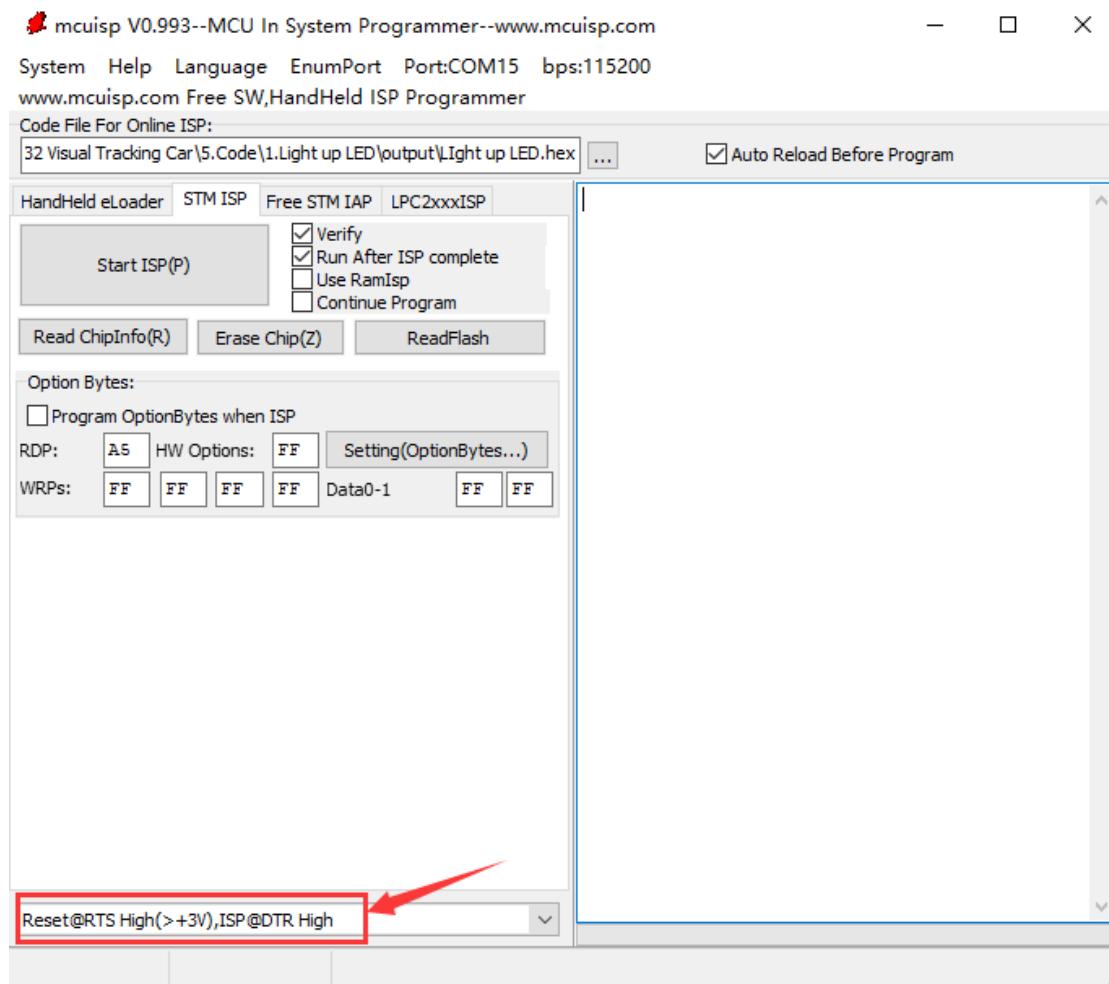




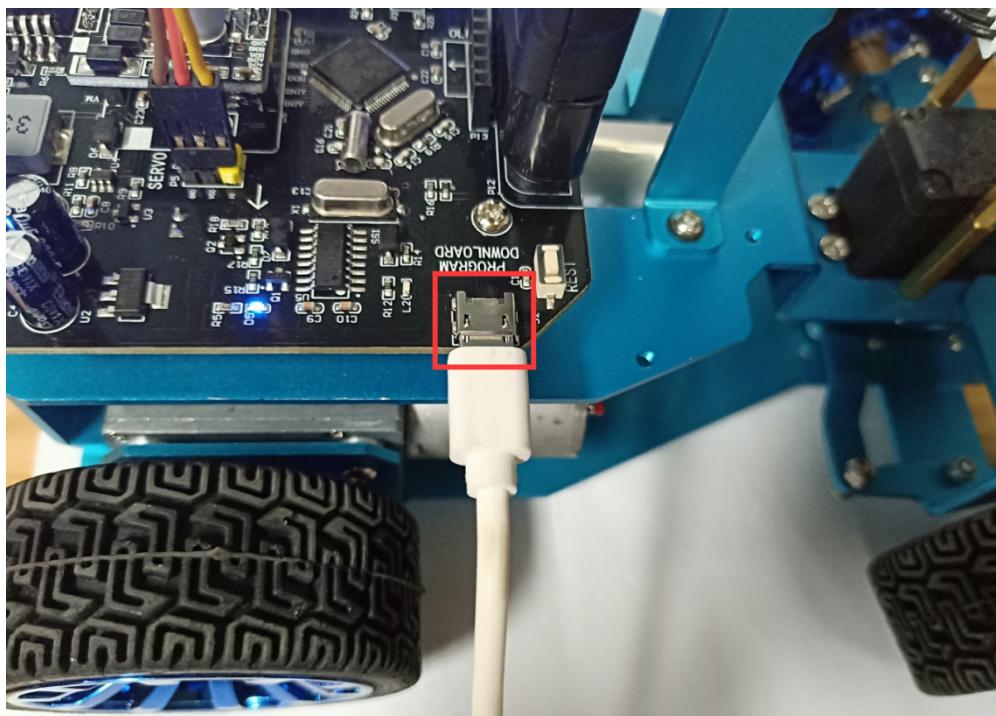
2.6 Make selection settings as shown below.



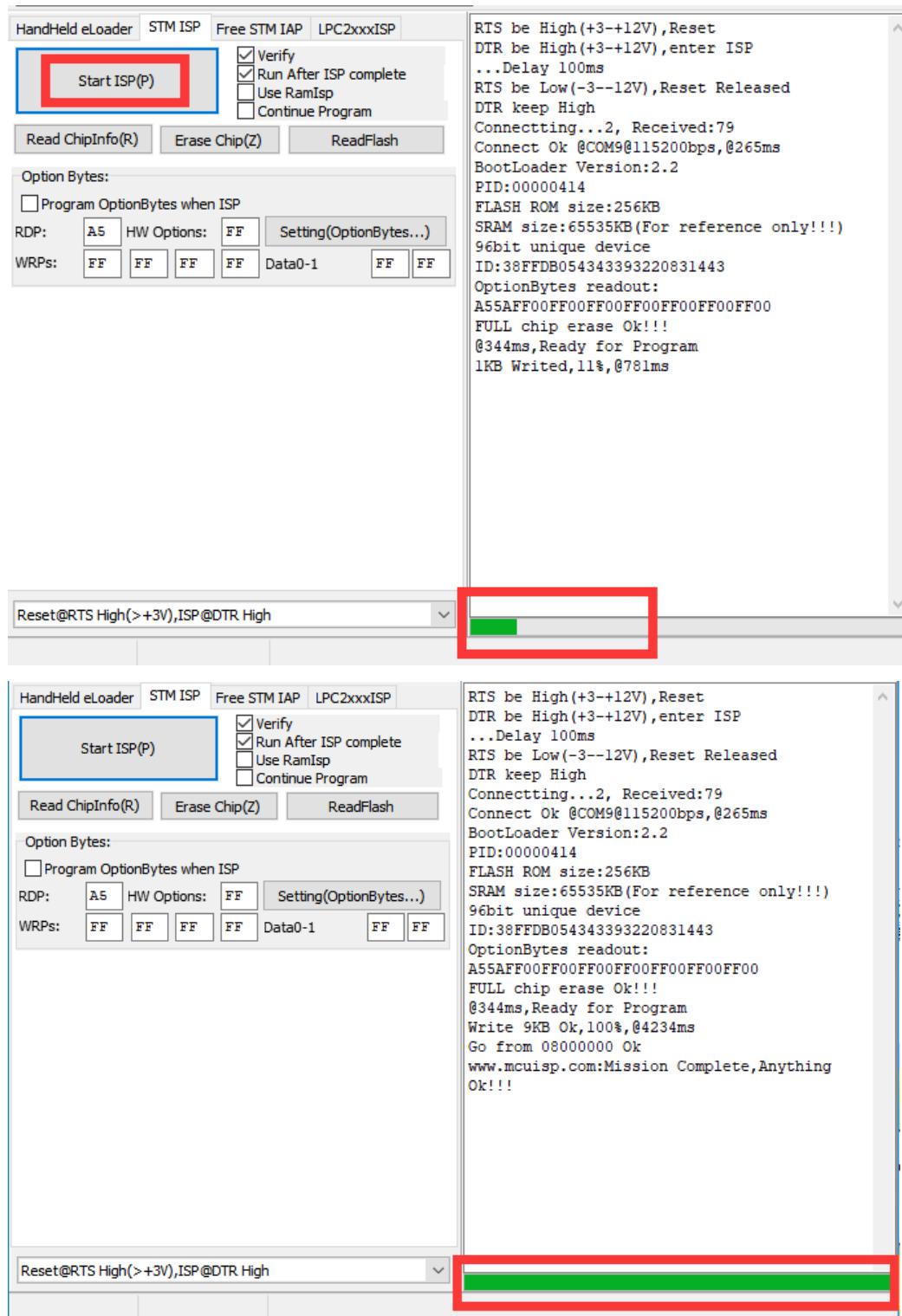
2.7 Make selection settings as shown below.



2.8 We need to insert the micro USB data cable into the download interface of the expansion board. As shown in the following picture.



2.9 Next, we can burn the program. We need to click “Star ISP(P)”. And the program can be successfully downloaded after waiting for the progress bar to complete.



After the above steps, we have successfully downloaded the code to the STM32 development board.