Firmware Download Method

When using robotic arm, game outcome and experience will be interfered with the firmware damage. Please download the firmware according to the following steps.

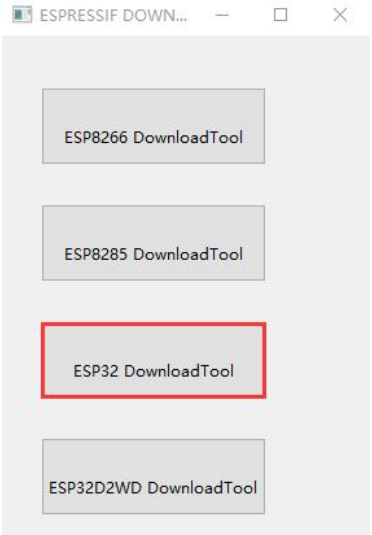
1. Open Download Tool

1) Connect MaxArm to your computer with USB cable.

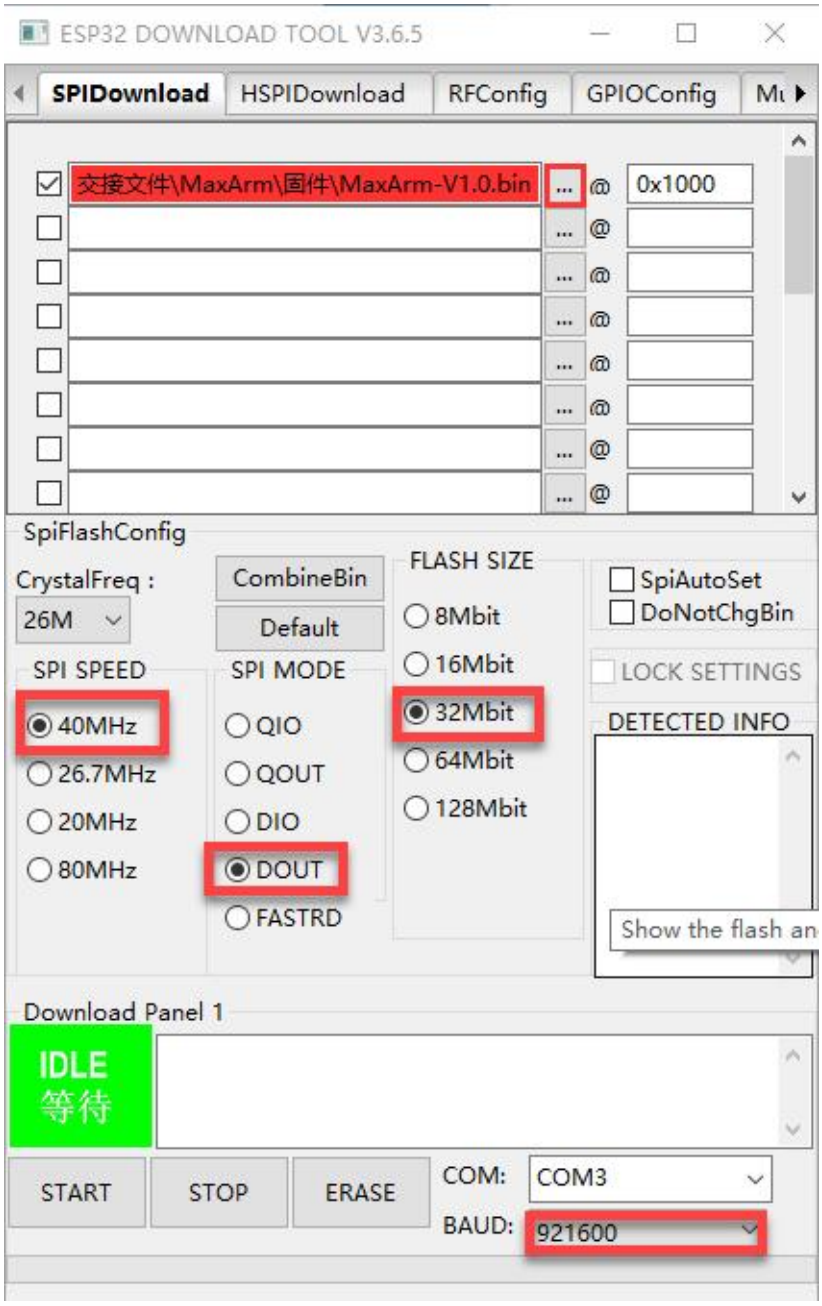
2) Double click the folder “flash_download_tools_v3.6.5” under the same path.

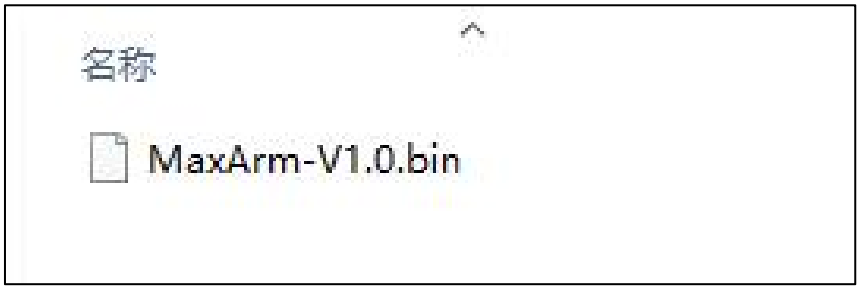
3) Find and open the firmware download tool.

4) Wait for a while. Select “ESP32 DownloadTool” in the opening interface.

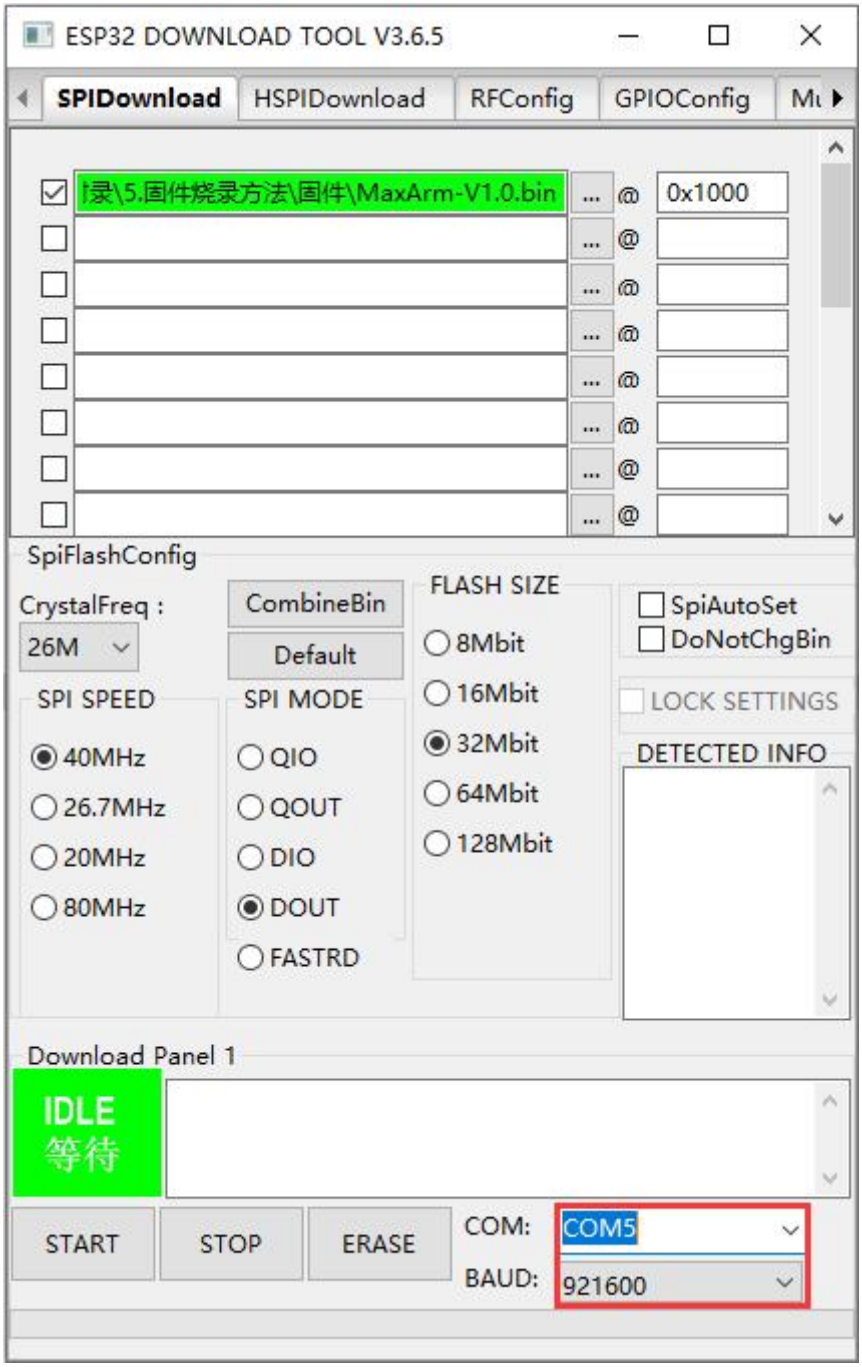


5) Then select the the configuration as shown in the image below, and click " " to select the firmware.

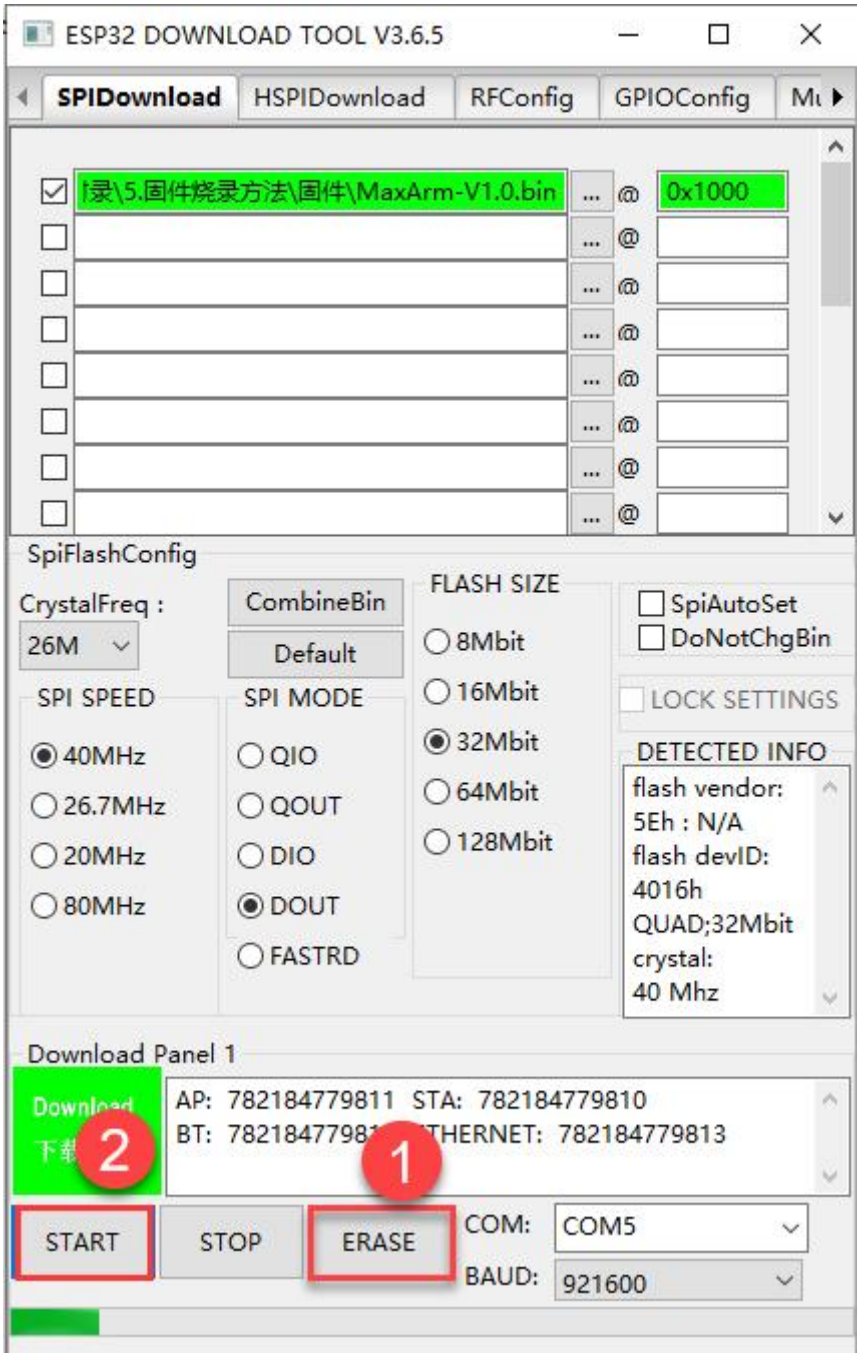




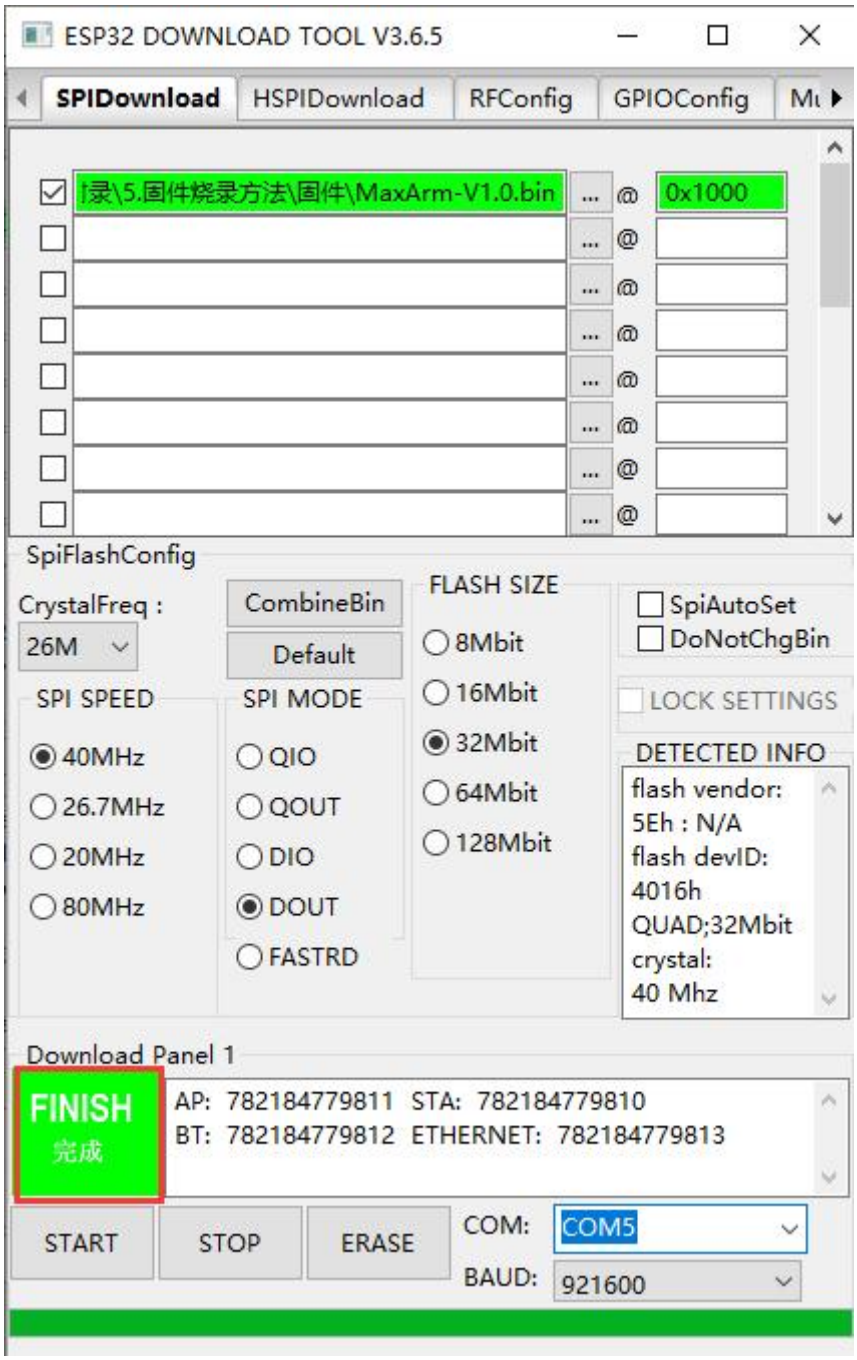
6) Select the port number. (the port number here is just for reference, please refer to the actual situation. Do not select COM1, otherwise the firmware download will fail.)



7) Click “ERASE” first to erase the underlying firmware (Do not skip this step), and then click “START”.



8) Wait for a moment, it will prompt “FINISH”.


ESP32 DOWNLOAD TOOL V3.6.5
SPIDownload
HSPIDownload
RFConfig
GPIOConfig
M
录\5.固件烧录方法\固件\MaxArm-V1.0.bin
0x1000
SpiFlashConfig
CrystalFreq :
26M
CombineBin
Default
FLASH SIZE
8Mbit
16Mbit
32Mbit
64Mbit
128Mbit
SpiAutoSet
DoNotChgBin
LOCK SETTINGS
SPI SPEED
40MHz
26.7MHz
20MHz
80MHz
SPI MODE
QIO
QOUT
DIO
DOUT
FASTRD
DETECTED INFO
flash vendor:
5Eh : N/A
flash devID:
4016h
QUAD;32Mbit
crystal:
40 Mhz
Download Panel 1
FINISH
完成
AP: 782184779811 STA: 782184779810
BT: 782184779812 ETHERNET: 782184779813
START
STOP
ERASE
COM:
COM5
BAUD:
921600

2. Download Library File

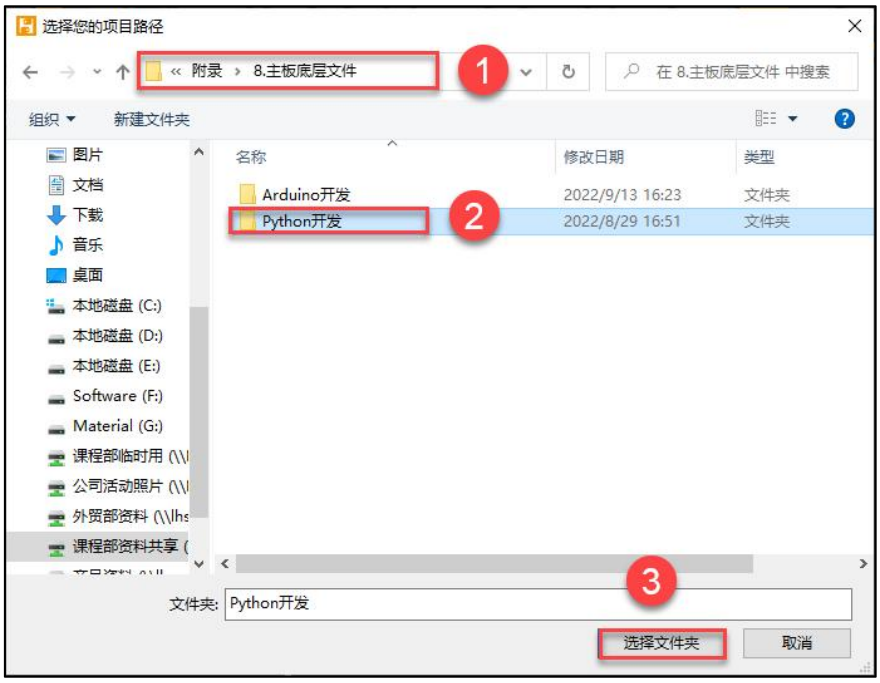
After the firmware is downloaded, the library file need to be downloaded to run the game.

1) Open Python editor.

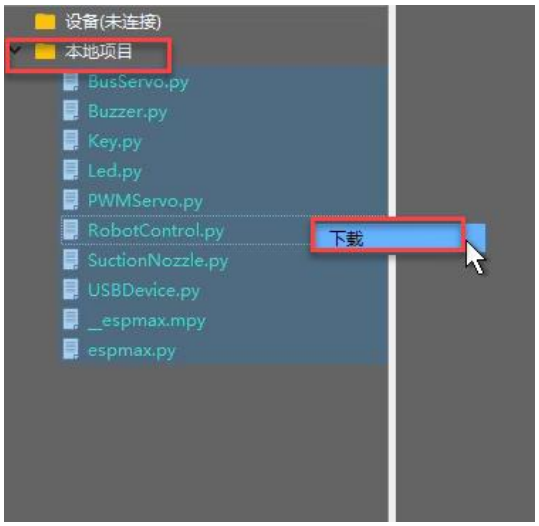
2) Click on the following icon to connect.

3) Right click “Workshop” to show the file selection list.

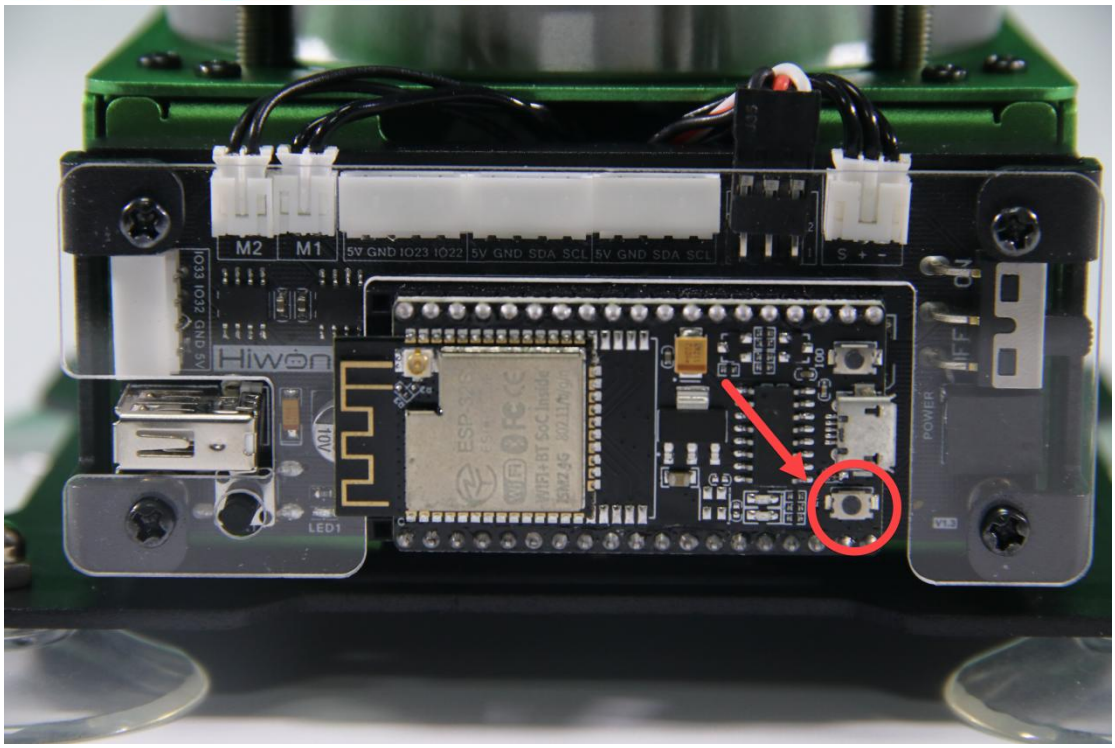
4) Then find and select the folder “Python Development” in “Appendix/8. Underlying File”.



5) After importing the library files to the editor, select all the files, right click to select “Download”.



6) After downloading, click on the reset icon or press the reset button on ESP32 controller to run program.


M2
M1
5V GND IO23 IO22 5V GND SDA SCL 5V GND SDA SCL
S + -
IO23 IO22 GND 5V
Hiwon
LED1
POWER
ON
OFF