

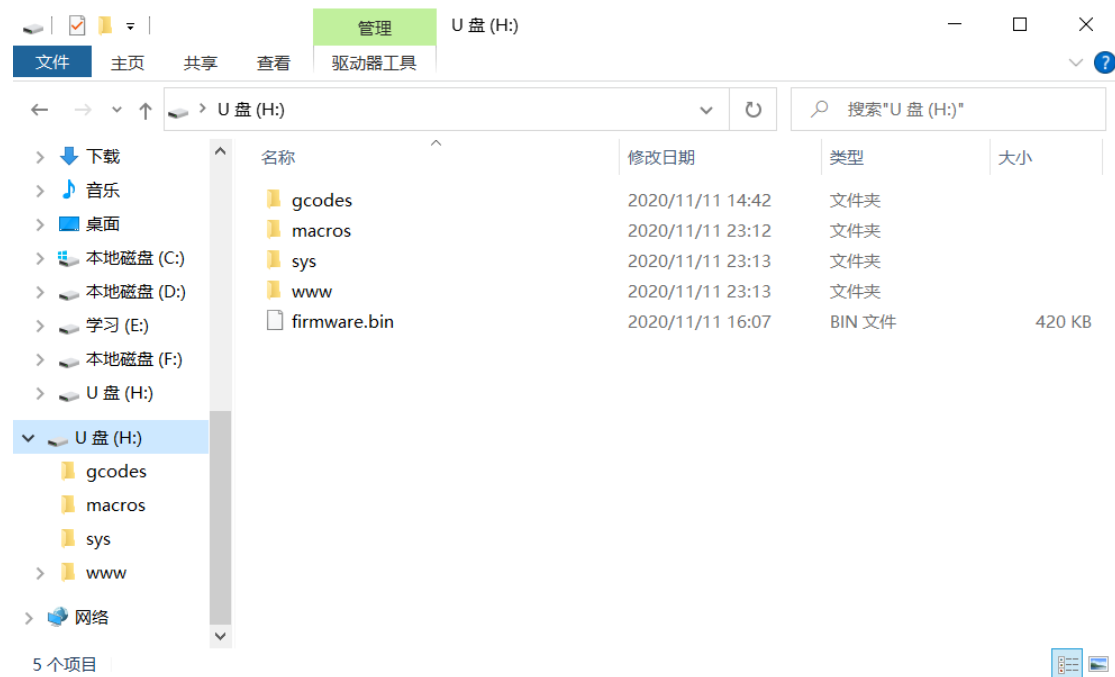
How to use Reprap (duet) firmware

First download the firmware package on FLYmaker's github

Link: <https://github.com/FLYmaker/FLY-CDY>

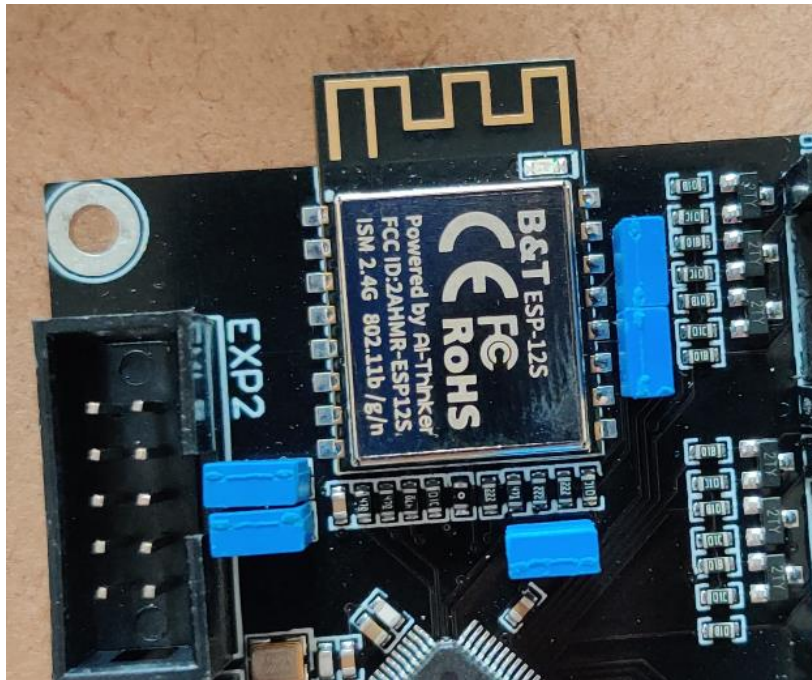
Follow-up upgrade attention: <https://github.com/gloomyandy/RepRapFirmware/wiki>

Copy the files in the reprapfirmware folder to the root directory of the SD card

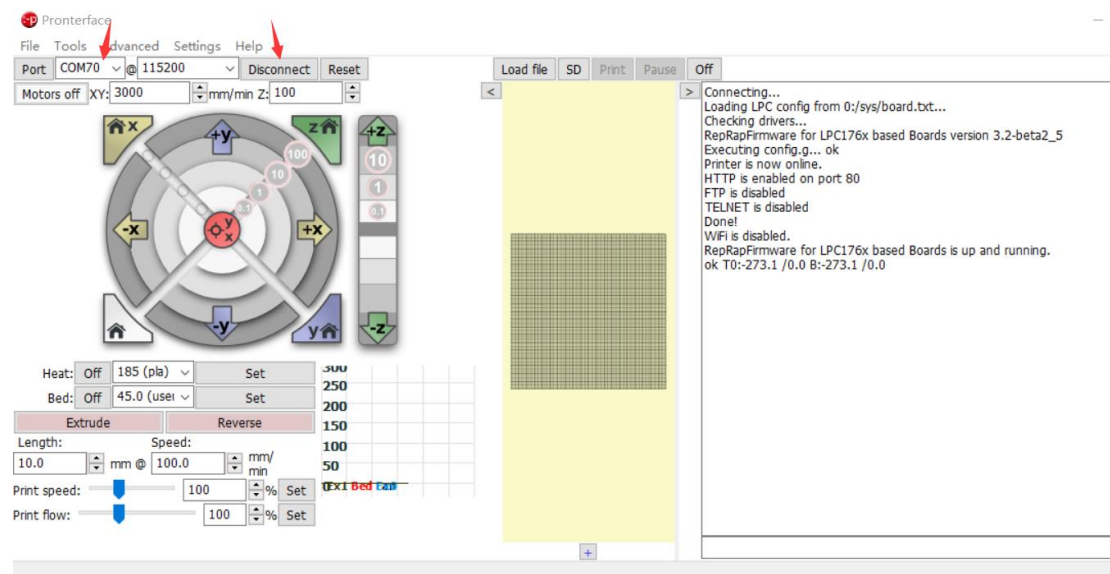


Insert the SD card into the motherboard, restart the motherboard or repower the motherboard

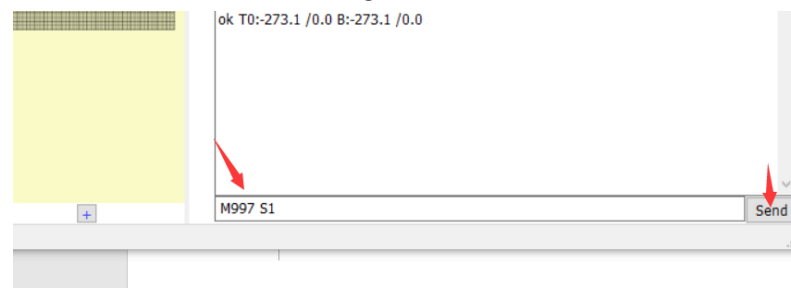
Then plug all the pins around the wifi module as shown in the figure:



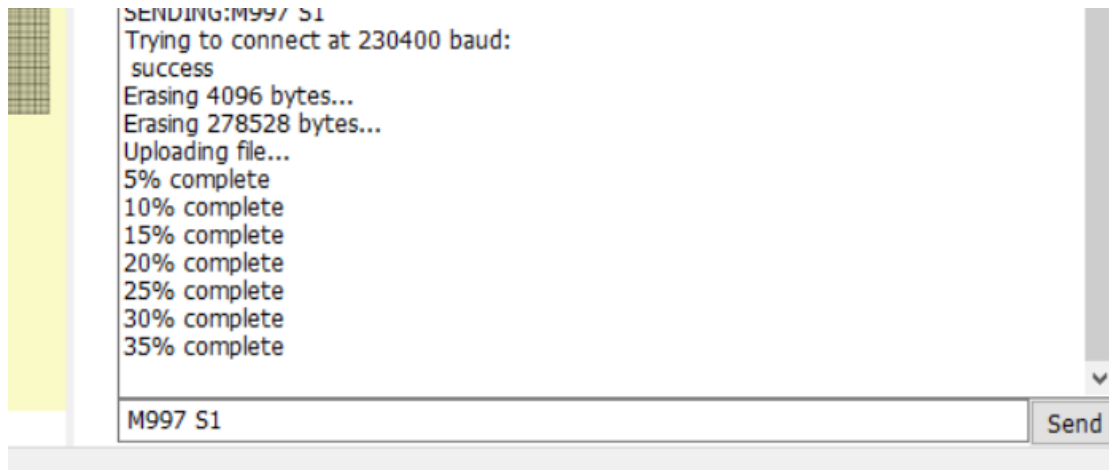
Open the debugging software, select the port and click connect



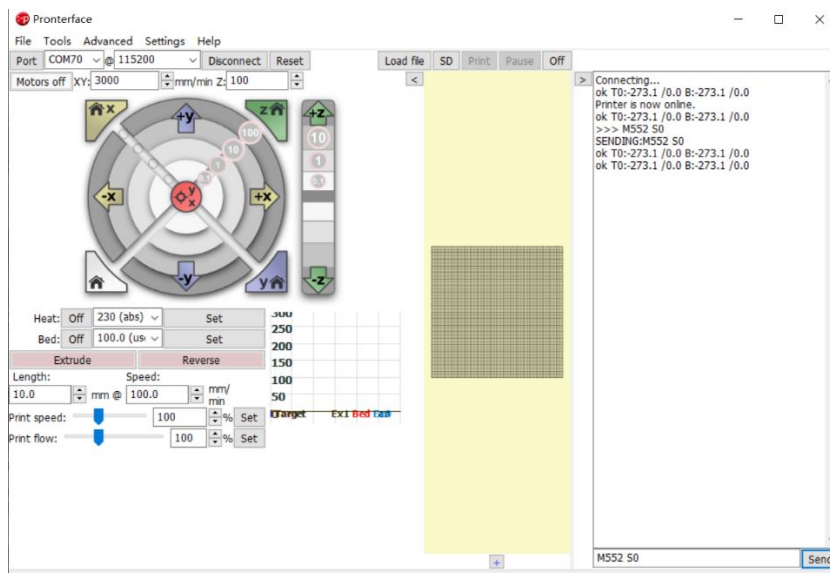
Enter M997 S1 in the lower right corner, and then click send



This step is to burn the motherboard wifi program



After programming is complete, send M552 S0 command to put wifi in idle mode



Send M587 S "WiFi name" P "WiFi password" command

(After entering, the system will automatically remember the WiFi name and password)

If your wifi password contains English lowercase, please add (') before the letter to configure according to the following example
wifi name: FLY2

wifi password: fly12345

send as follows

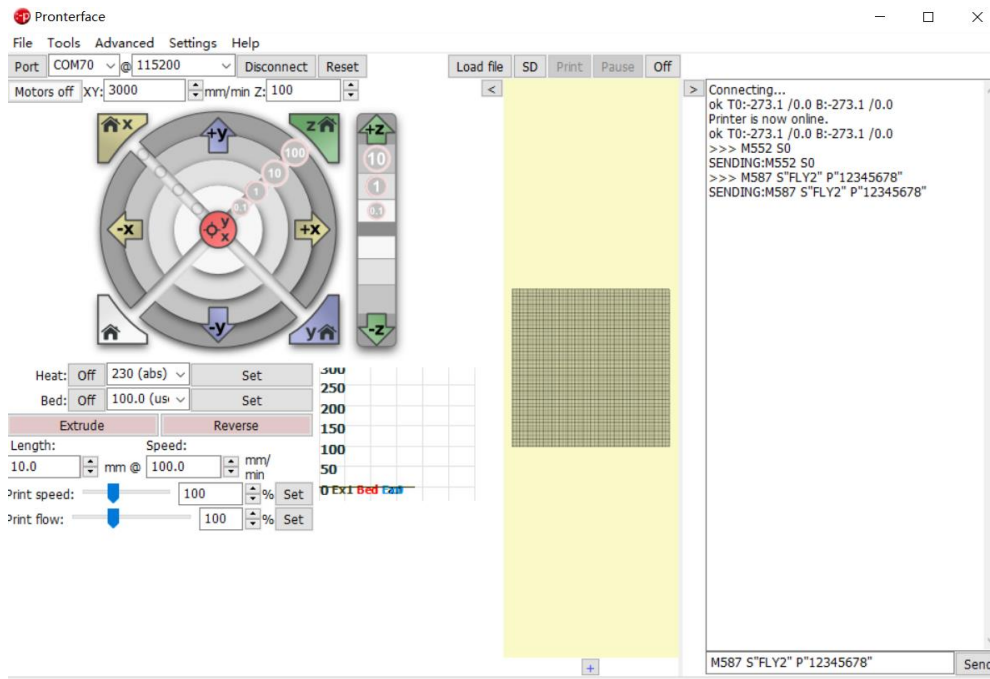
M587 S" FLY2" P"'f'l'y12345"

Send as follows:

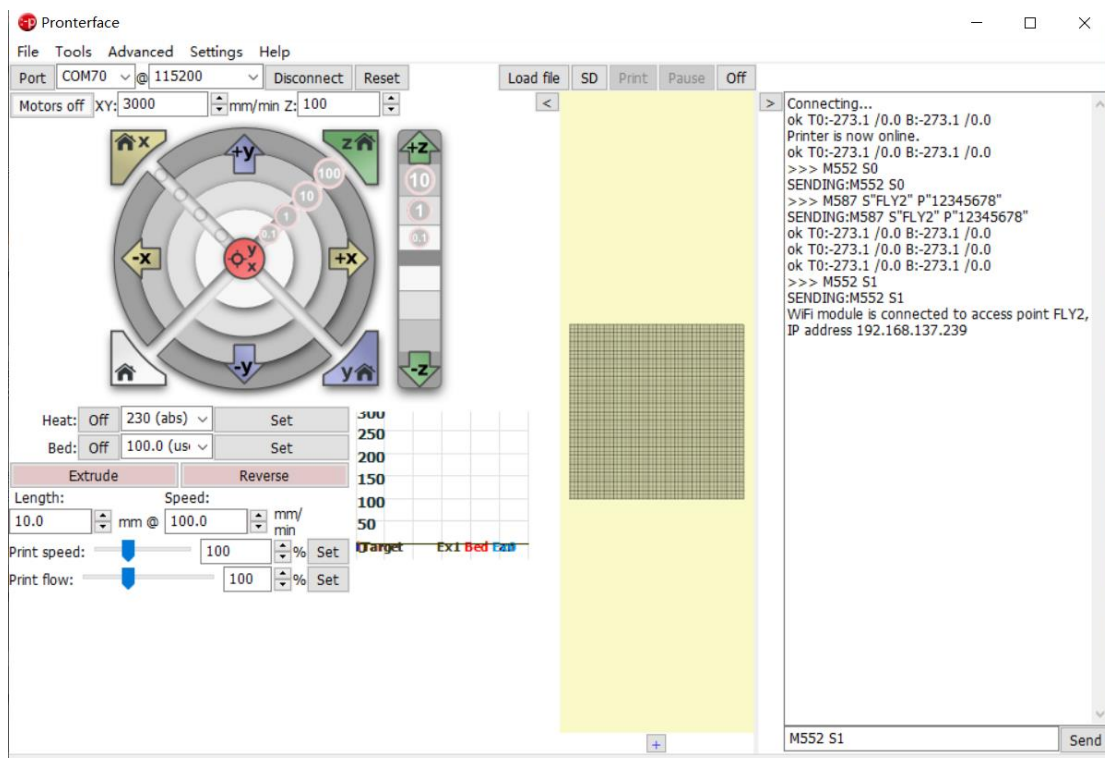
My configuration wifi name: FLY2

WiFi password: 12345678

I send: M587 P"FLY2" S"12345678" as shown

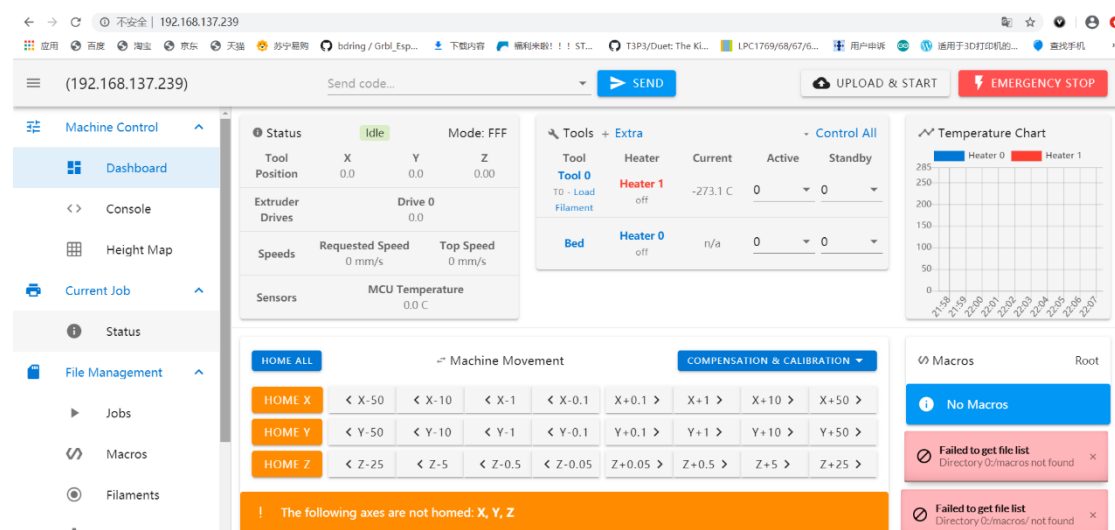


Then send M552 S1, turn on the network connection
My network IP is 192.168.137.239, enter it into the browser



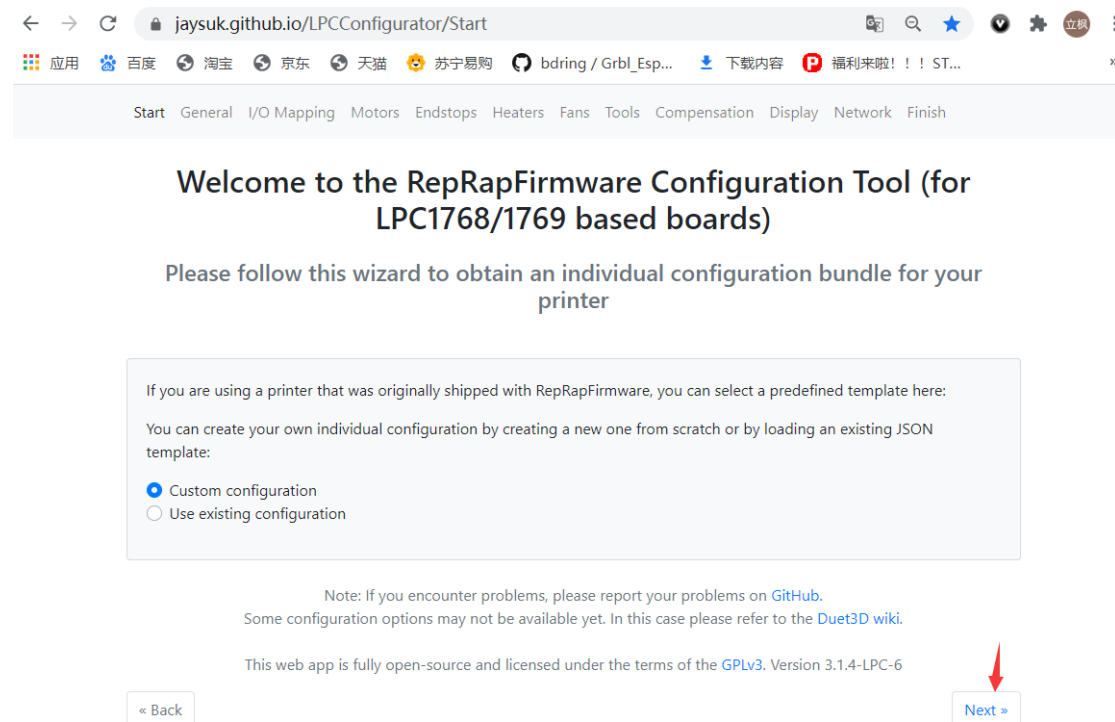
Enter the IP address into the browser

open the Web page



Configure the machine

<https://jaysuk.github.io/LPCConfigurator> Open this URL with a browser



选择主板：

Start **General** I/O Mapping Motors Endstops Heaters Fans Tools Compensation Display Network Finish

General Preferences

Board: Fly-CDY Firmware version: 3.0 or later (stable) Printer Name: My Printer ✓

☐ Read config-override.g file at end of startup process

Printer Geometry

Cartesian CoreXY CoreXZ Delta

X minimum:	X maximum:	Y minimum:	Y maximum:	Z minimum:	Z maximum:
0 ✓ mm	230 ✓ mm	0 ✓ mm	210 ✓ mm	0 ✓ mm	200 ✓ mm

This machine uses individual motors to drives each axis

Other configurations are based on your own machine configuration, network configuration needs to be paid attention to, just click the one I checked, and other configurations are not required

Start General I/O Mapping Motors Endstops Heaters Fans Tools Compensation Display **Network** Finish

Network Settings

☒ Enable Network via Ethernet or ESP8266

Password for the web interface (HTTP), FTP, and Telnet: reap ✓ Your WiFi Network Name: configure manually ✓ WiFi Password: none ✓

espDataReadyPin: 0.28 ✓ IpcTfrReadyPin: 2.7 ✓ espResetPin: 2.6 ✓

☒ Use RX/TX to update ESP8266 via DWC

serialRxPin: 0.1 ✓ serialTxPin: 0.0 ✓

☒ Acquire Dynamic IP Address via DHCP

☒ Enable HTTP (required for the web interface)

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If you have a FLY touch screen, enter here: **M575 P1 S0 B57600**

Extra Files

☒ Get the latest stable Duet Web Control version

☒ Get the latest stable RepRapFirmware version

Miscellaneous

☐ Enable support for PanelDue

Custom Settings for config.g:

Full list of all available G-codes

M575 P1 S0 B57600

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Finish »

Click on

☐ Enable support for PanelDue

Custom Settings for config.g:

Full list of all available G-codes

M575 P1 S0 B57600

« Back

Finish »

下载生成的文件:

Put the RepRapFirmware files in the /sys directory and extract Duet Web Control bundle to the /www directory of your SD card. If you are using Duet Web Control, upload those files on the Settings page.

- [Duet Web Control 3.1.1](#)

The following system files will be generated:

- [bed.g](#)
- [board.txt](#)
- [config.g](#)
- [homeall.g](#)
- [homex.g](#)
- [homey.g](#)
- [homez.g](#)
- [pause.g](#)
- [resume.g](#)
- [sleep.g](#)
- [stop.g](#)
- [tfree0.g](#)
- [tpre0.g](#)
- [tpost0.g](#)

If you are using Duet Web Control, you can upload the ZIP file(s) without extracting on the Settings page. Otherwise you can extract the contents of this configuration bundle directly to the root of your SD card.

See [this page](#) for further information about the purpose of these files.

[Download JSON template](#) [Download configuration bundle as ZIP file](#)

解压



Replace the sys folder with the SD card sys folder on the motherboard

complete, I wish you a happy use