How to use Reprap (duet) firmware

First download the firmware package on FLYmaker's github Link: <u>https://github.com/FLYmaker/FLY</u> RRF-E3

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

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5 个项目									:

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

Pronterface							
File Tools dvanced Settings Help							
Port COM70 v @ 115200 v Disconnect R	leset	Load file	SD	Print	Pause	O	ff
Motors off XY: 3000 mm/min Z: 100	<]				>	Connecting
Heat: Off 185 (pla) Set 22 Heat: Off 185 (pla) Set 22 Extrude Reverse 12 22 Length: Speed: 100 mm/ 56 Print speed: 100 100 5et 97	42 10 1 3 42 42 42 42 42 42 42 42 42 42						Loading LPC contig from 0:/sys/board.txt Checking drivers RepRapFirmware for LPC176x based Boards version 3.2-beta2_5 Executing config.e ok Pritter is now online. HTTP is enabled on port 80 FTP is disabled Donel WiFi is disabled. RepRapFirmware for LPC176x based Boards is up and running. ok T0:-273.1 /0.0 B:-273.1 /0.0
			+				

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

	ok T0:-27	273.1 /0.0 B:-273.1 /0.0	v
+	M997 S1	1	Send

This step is to burn the motherboard wifi program

SENDING:M997 S1 Trying to connect at 230400 baud: success Erasing 4096 bytes Erasing 278528 bytes Uploading file 5% complete 10% complete 15% complete 20% complete 25% complete 30% complete 35% complete	~
M997 S1	Send

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 S"FLY2" P"12345678" as shown Pronterface X File Tools Advanced Settings Help Port COM70 v @ 115200 V Disconnect Reset Load file SD Print Pause Off Connecting... ok T0:-273.1 /0.0 B:-273.1 /0.0 Printer is now online. ok T0:-273.1 /0.0 B:-273.1 /0.0 >>> M552 S0 SENDING:M552 S0 >>> M587 C"FLY2" P"12345678 Motors off XY: 3000 +mm/min Z: 100 -< 合 X >>> M587 S"FLY2" P"12345678" SENDING:M587 S"FLY2" P"12345678" -X Heat: Off 230 (abs) v 300 Set 250 Bed: Off 100.0 (us ~ Set 200 Extrude Reverse 150 Length: Speed: 100 mm/ ≑ mm @ 100.0 10.0 50 ÷% Set O Exi Bed Can Print speed: 100 Print flow: 100 🗘 % Set M587 S"FLY2" P"12345678" Send +

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

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≡	(192	.168.137.239))		Send code			•	► SEND		(G UPLOAD	& START	RGENCY STOP
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Configure the machine

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

\leftrightarrow \rightarrow C	jaysuk.github.io/LPCConfigurator/Start	🔄 Q 🛨	•	☆ 叔	:
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	Start General I/O Mapping Motors Endstops Heaters Fans Tools Compensation Display Net	twork Finish			
	Welcome to the RepRapFirmware Configuration LPC1768/1769 based boards)	Tool (for			
	Please follow this wizard to obtain an individual configuration bun printer	ıdle for youı			
	If you are using a printer that was originally shipped with RepRapFirmware, you can select a predefined to You can create your own individual configuration by creating a new one from scratch or by loading an exitemplate: Custom configuration Use existing configuration	emplate here: isting JSON			
	Note: If you encounter problems, please report your problems on GitHub. Some configuration options may not be available yet. In this case please refer to the Duet3 This web app is fully open-source and licensed under the terms of the GPLv3. Version 3.1.4 « Back	3D wiki. I-LPC-6 N	ext »		

Choose motherboard:

General Preferences		
Board:	Firmware version:	Printer Name:
Fly-CDY	♦ 3.0 or later (stable)	◆ My Printer ✓
Printer Geometry	e.g me at end of startup process	
Printer Geometry Cartesian CoreXY	CoreXZ Delta	
Printer Geometry Cartesian CoreXY X minimum: X n	CoreXZ Delta naximum: Y minimum: Y maximum:	Z minimum: Z maximum:

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

Network Settings			
🕑 Enable Network via E	thernet or ESP8266		
Password for the web	interface (HTTP), FTP, and Telnet:	Your WiFi Network Name:	WiFi Password:
reprap	✓	configure manually	✓ none
0.28	Ipcrimeadypin: 2.7 late ESP8266 via DWC	2.6 ≥	~
serialRxPin:	serialTxPin:		
0.1	✓ 0.0	✓	
Acquire Dynamic	IP Address via DHCP		
Enable HTTP (required)	uired for the web interface)		

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

	Start Gene	eral	I/O Mapping	g Motors	Endstops	Heaters	Fans	Tools	Compensation	Display	Network	Finish
	Extra Files											
	✓ Get the✓ Get the	e late e late	est stable Due est stable Rep	et Web Cor RapFirmw	ntrol versior are version	ı						
	Miscellane	eous										
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	Custom Se	etting	gs for config.	g:						Full I	ist of all av	ailable G-codes
	M575 P1 :	SO B5	7600									•
	« Back											Finish »
Click c	on											
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M2.	75 P1 SO B576	600										*
« Bac	:k											Finish »

Download the generated file:

	• Duet web Control 3.1.1
Th	e 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
lf y Ot	you are using Duet Web Control, you can upload the ZIP file(s) <u>without extracting</u> on the Settings page. herwise you can extract the contents of this configuration bundle directly to the root of your SD card.

Unzip



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

complete, I wish you a happy use