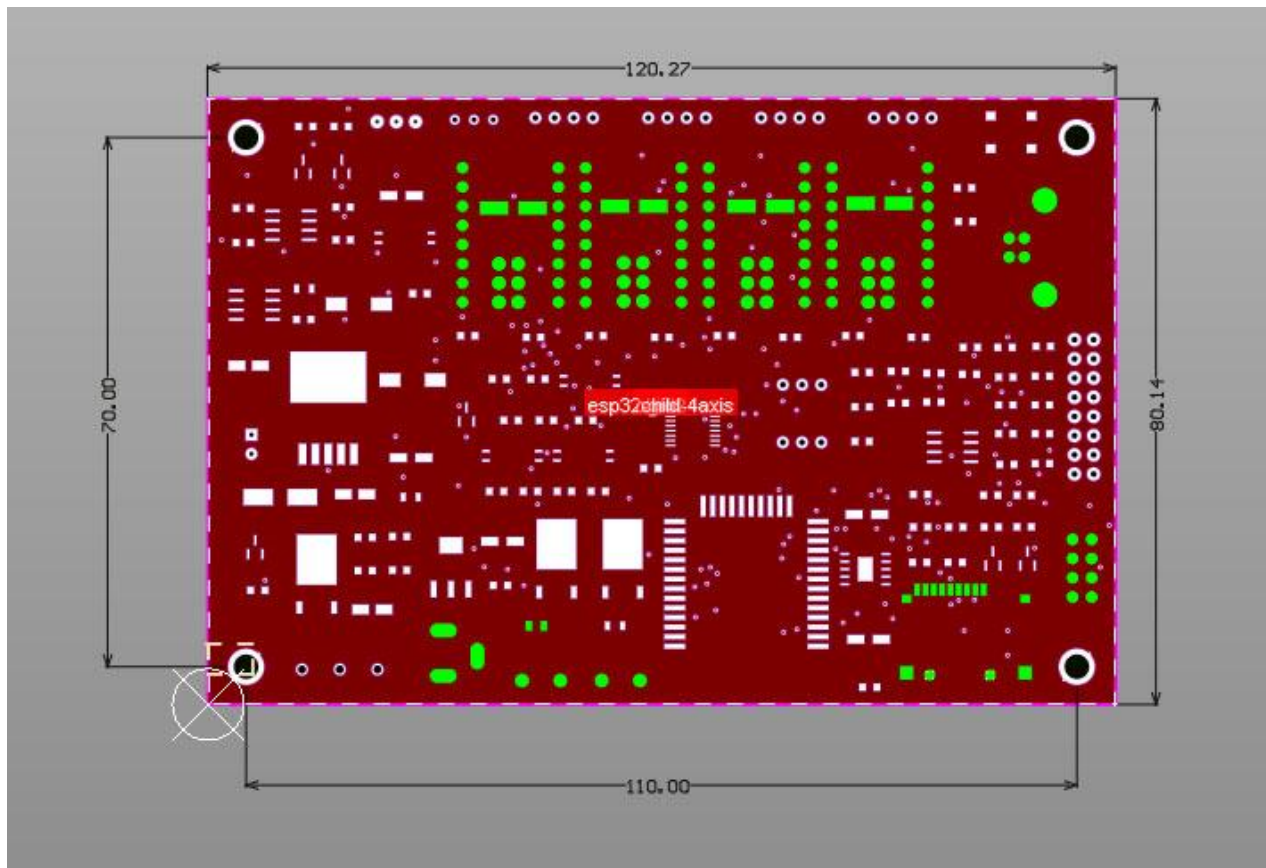
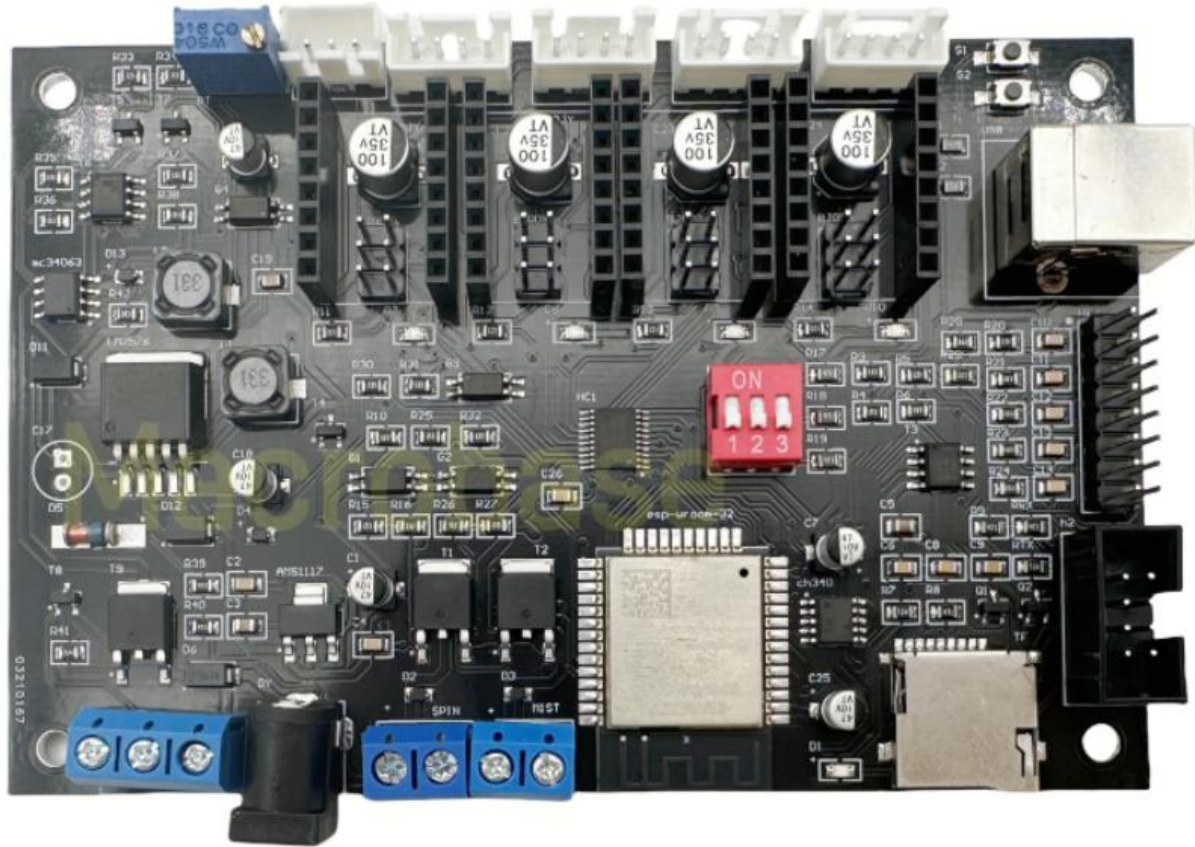


How to buy.

<http://www.aliexpress.com/item/info/1005004562460344.html>



How to buy.

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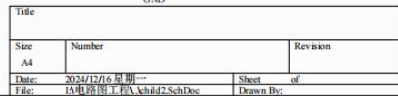
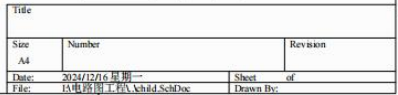
Features

- ❖ Adopting ESP32 16-bit high-speed processor
- ❖ Compatible with GRBL software,Such as Candle,Bcnc,CNC3D COMMANDER...
- ❖ Support four stepper drivers,including X,Y,Z,A axis.
- ❖ Support Homing,software/hardware endstop,Z probe.
- ❖ Support hotspot,Wifi wireless to control
- ❖ Support 3pin laser.Adjustable voltage PWM output.
- ❖ Support 12-24V DC

Auto-cut off power when voltage exceeding 30V.

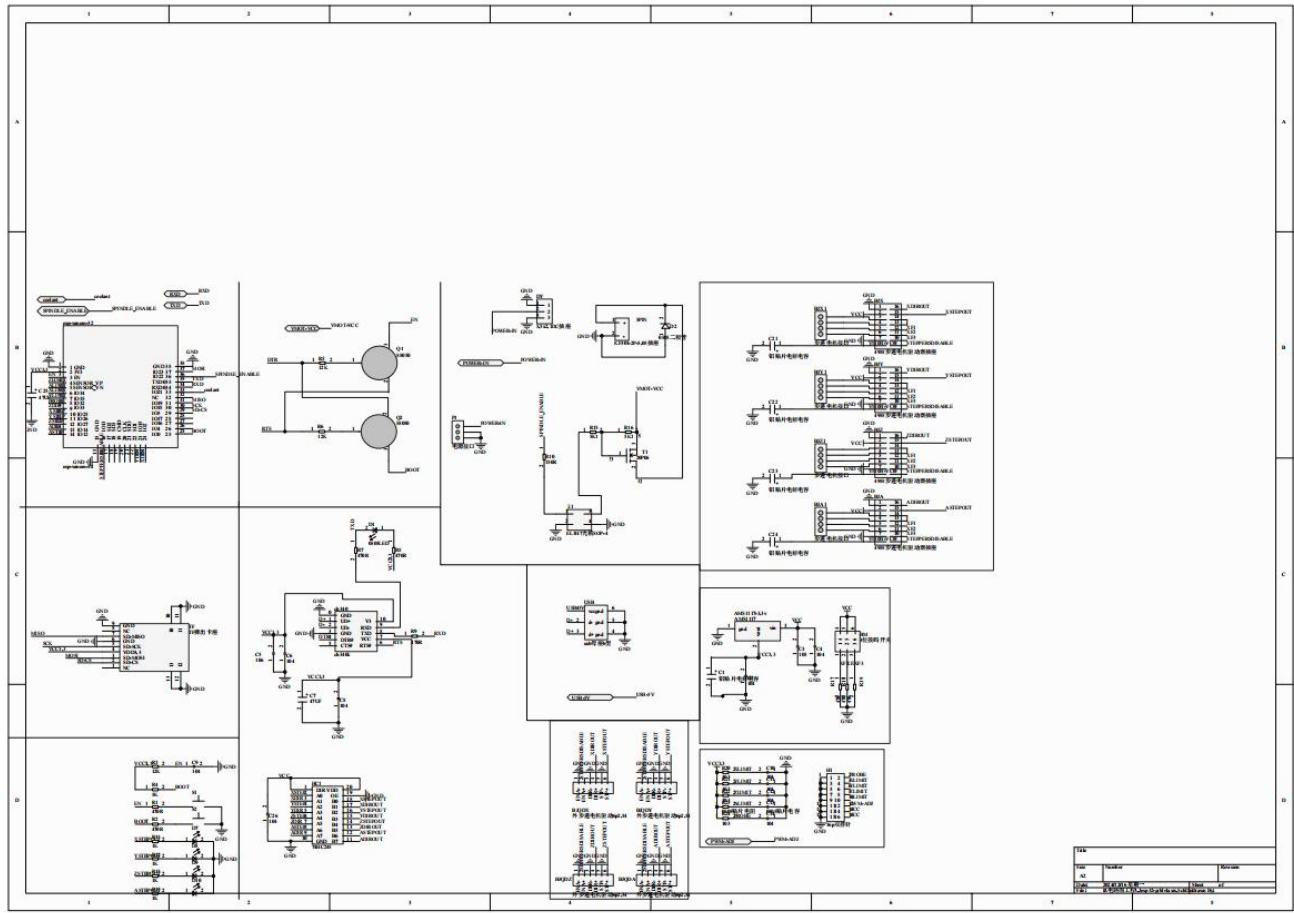
Automatically select external power supply as the main control input power,
and prevent reverse power transmission,protect USB port.

<http://www.aliexpress.com/item/info/1005004562460344.html>



How to buy.

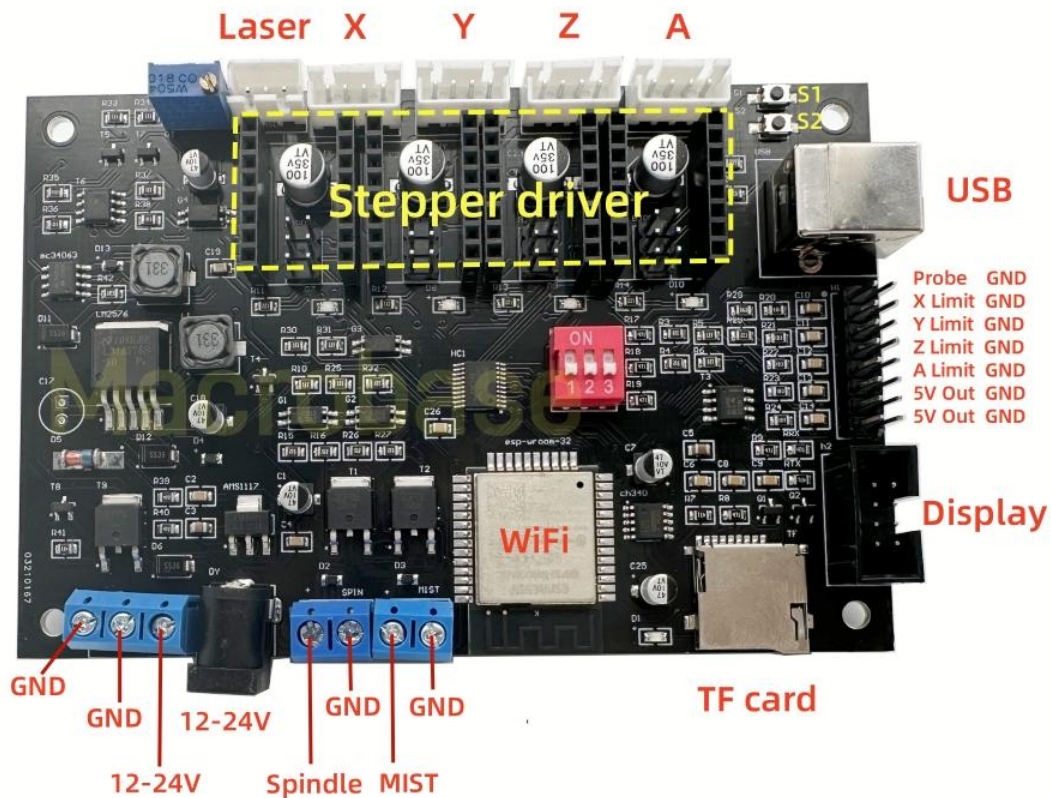
<http://www.aliexpress.com/item/info/1005004562460344.html>



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<http://www.aliexpress.com/item/info/1005004562460344.html>

Wiring

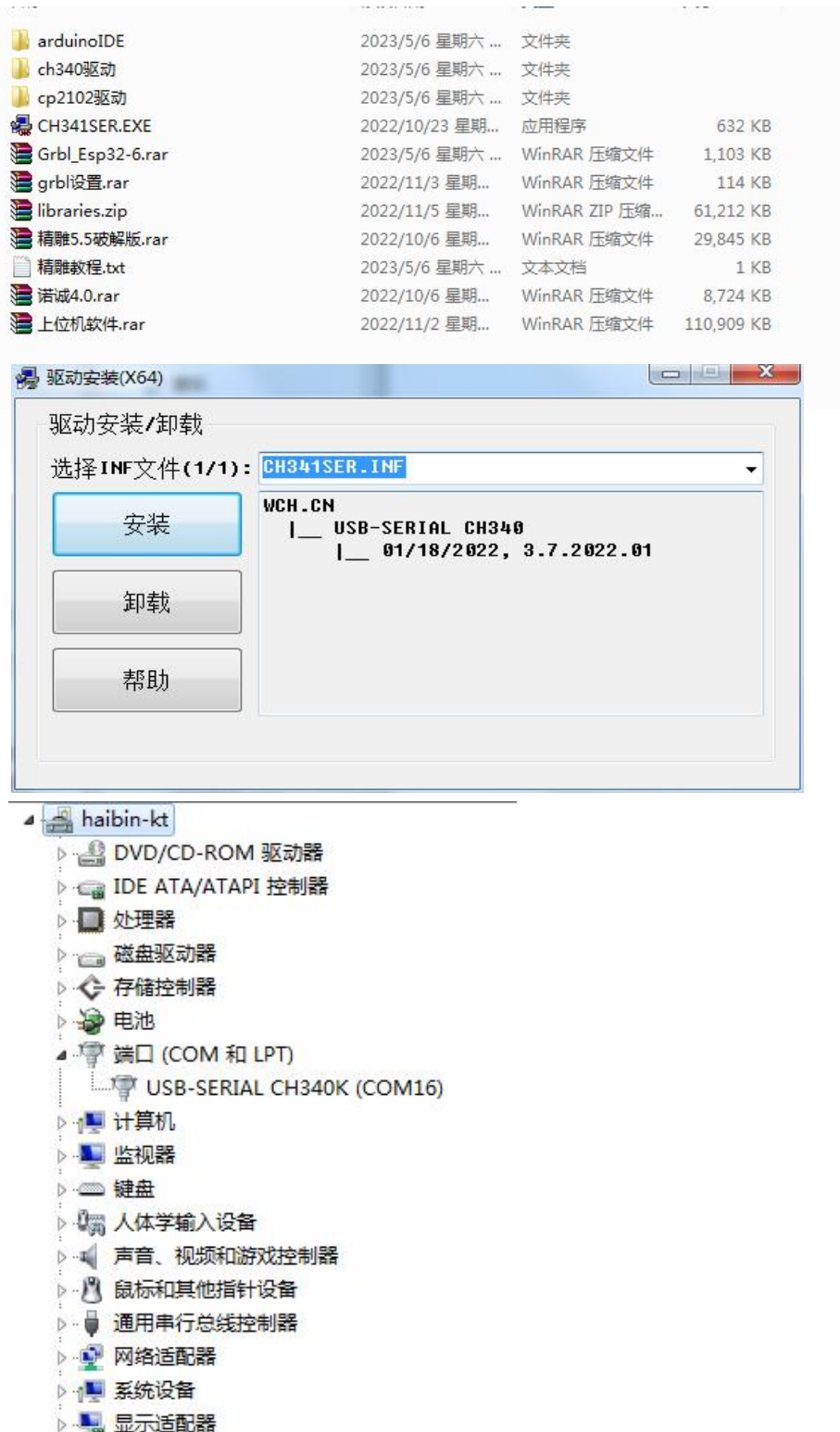


PROBE	Z-probe
X-LIM	X limit,Always on
Y-LIM	Y limit,Always on
Z-LIM	Z limit,Always on
GND	XYZ axis com,Z probe
PWM-OUT	PWM Output
GND	PWM ground
PWM-ADJ	PWM voltage adjust
5v-out	5v Output
spindle	Spindle relay
mist	Hydrocooling relay

How to buy.

<http://www.aliexpress.com/item/info/1005004562460344.html>

Install ch340 USB Driver



Successfully install when CH340K comes up.

How to buy.

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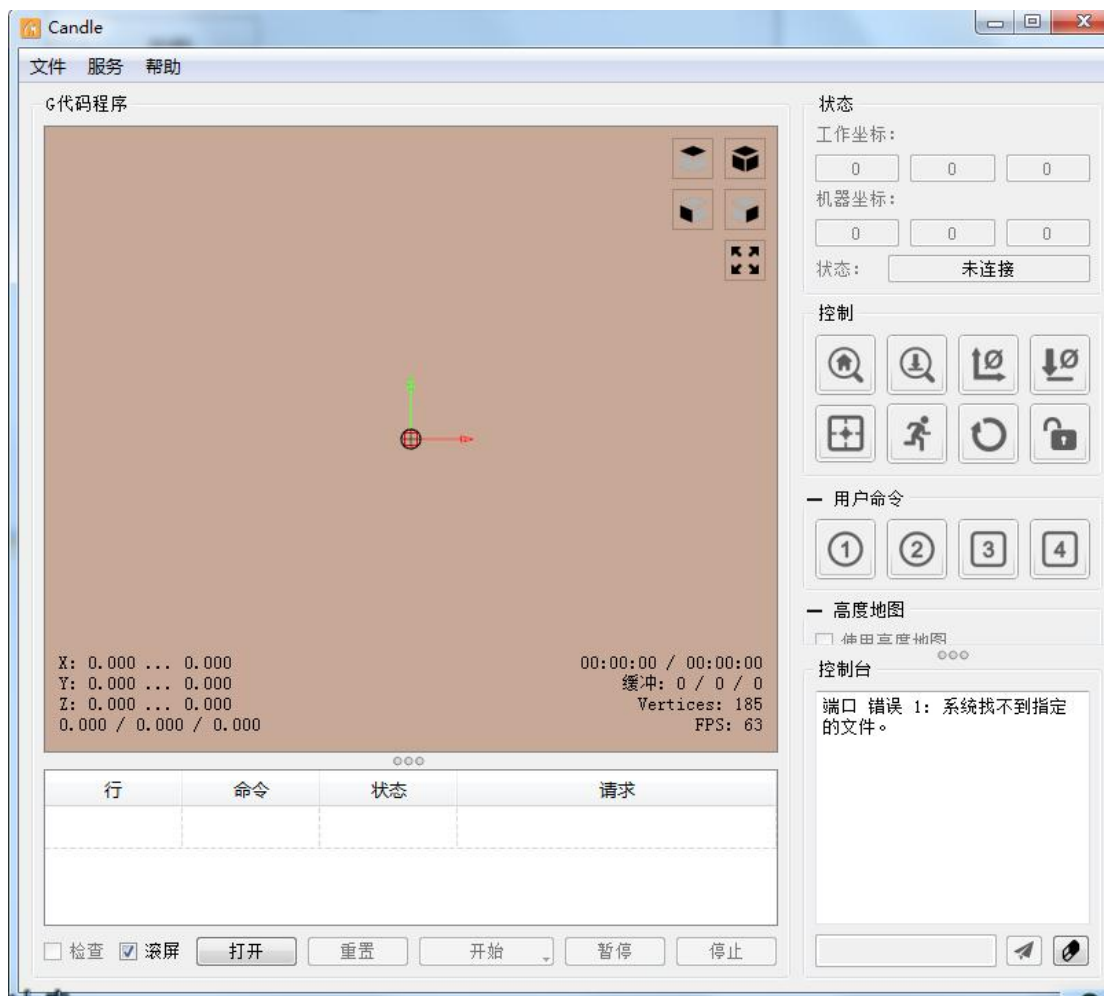
Software

Candle,CNC3dCommander and Bcnc.

上位机软件.rar 2022/11/2 星期... WinRAR 压缩文件 110,909 KB

1.Candle

Unzip candle and open [candle.exe](#)



How to buy.

<http://www.aliexpress.com/item/info/1005004562460344.html>

设置

连接

发送者

机器信息

控制

用户命令

高度地图

解析器

可视化工具

工具模型

控制台

面板

颜色

字体

连接

端口: COM6 波特率: 115200

发送者

☐ 忽略错误响应

☒ 从所选行发送前自动设置分析器状态

机器信息

状态查询周期: 250 单位: 毫米

快速速度: 0 加速度: 10

主轴最小转速: 0 最大: 100

最小激光功率: 9 最大: 100

控制

对刀命令:

G90G21G38.2Z-50F100; G92Z1.6; G0Z10;

安全位置命令:

命令 1; 命令 2; ...

☒ “还原原点”将工具移入: 平面

用户命令

按钮 1:

命令 1; 命令 2; ...

设为默认值 确认 取消

状态

工作坐标:

0.000 0.000 0.000

机器坐标:

0.000 0.000 0.000

状态: 空闲

How to buy.

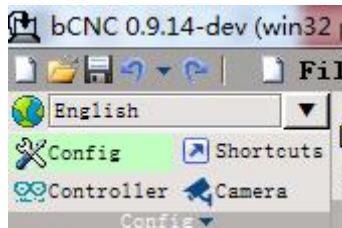
<http://www.aliexpress.com/item/info/1005004562460344.html>

2. BCNC

Plug control board to PC via USB cable, and enter bcnc.exe



Click CAM, select language.



Enable 6 axis displays, then reboot software.



Click file, select COM and open it.

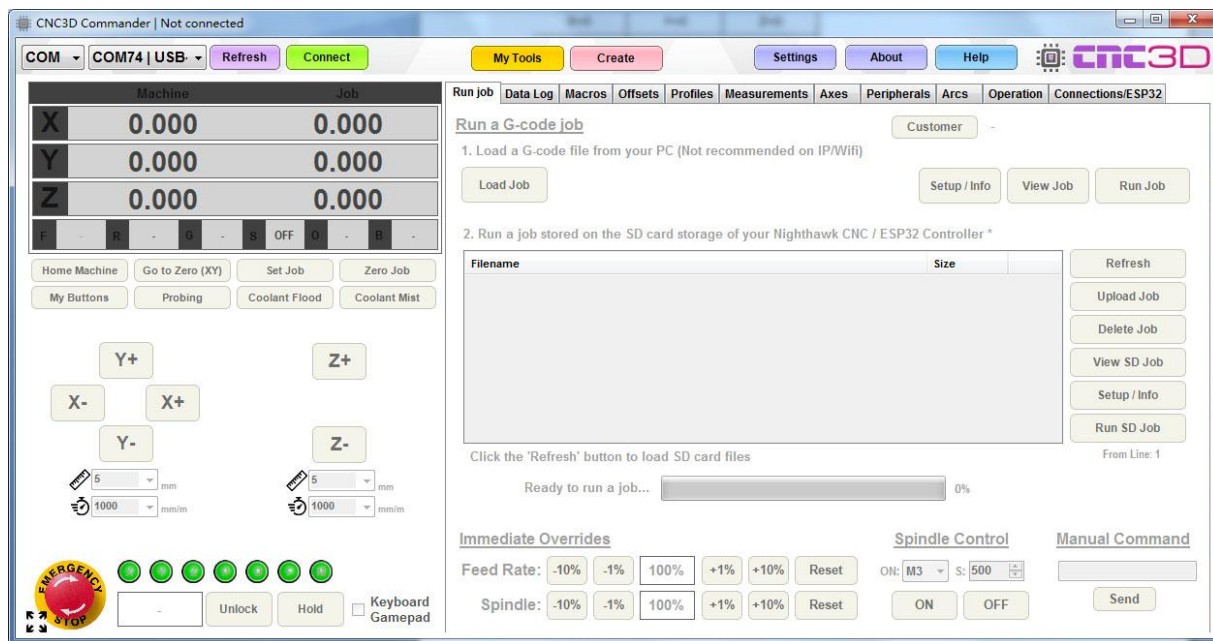


How to buy.

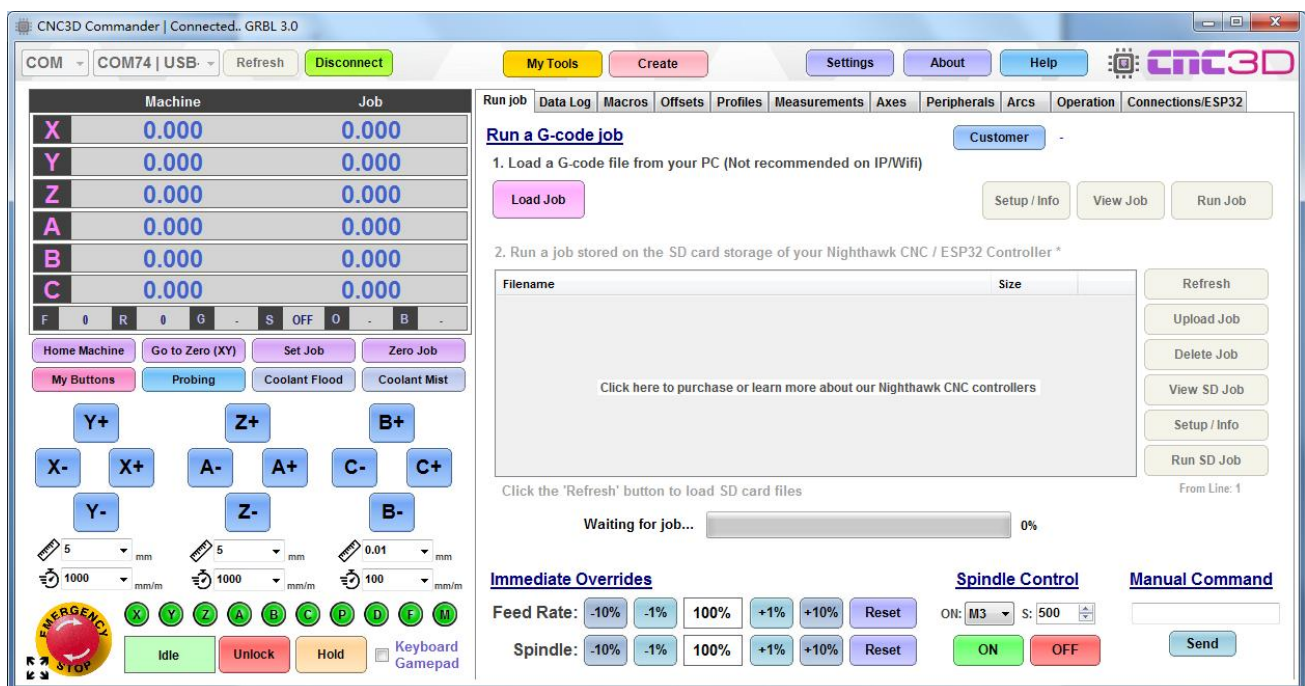
<http://www.aliexpress.com/item/info/1005004562460344.html>

3.CNC3d Commander

Open CNC3dcommander as below

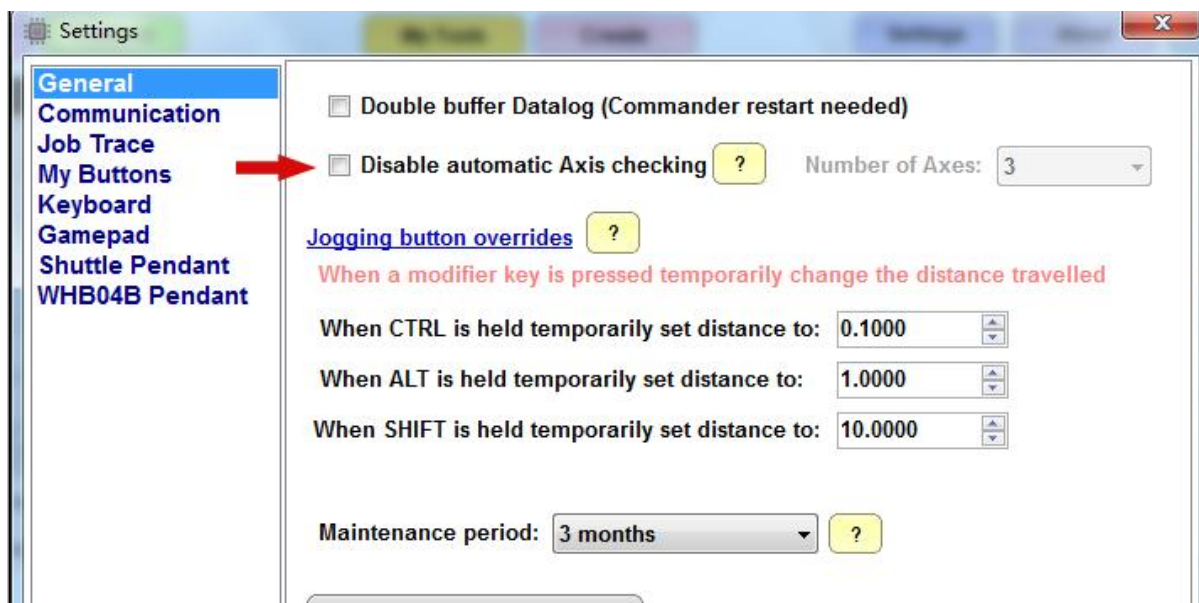
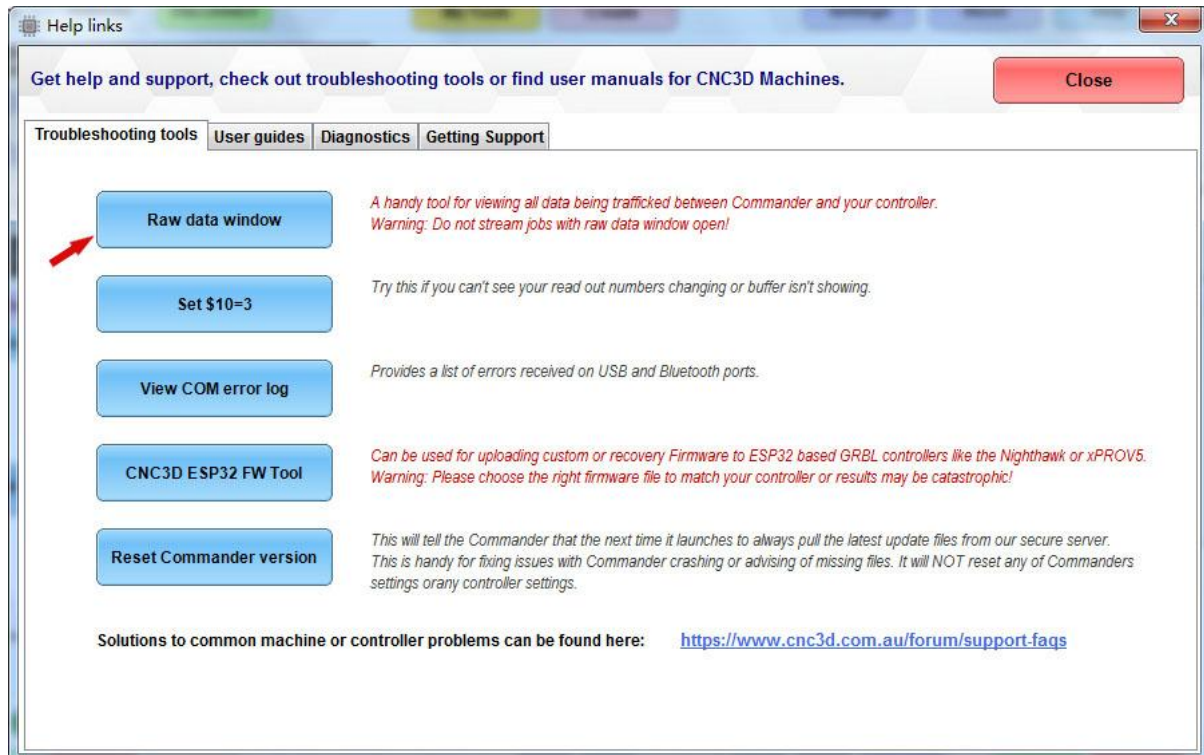


Connect control board and reflash.



How to buy.

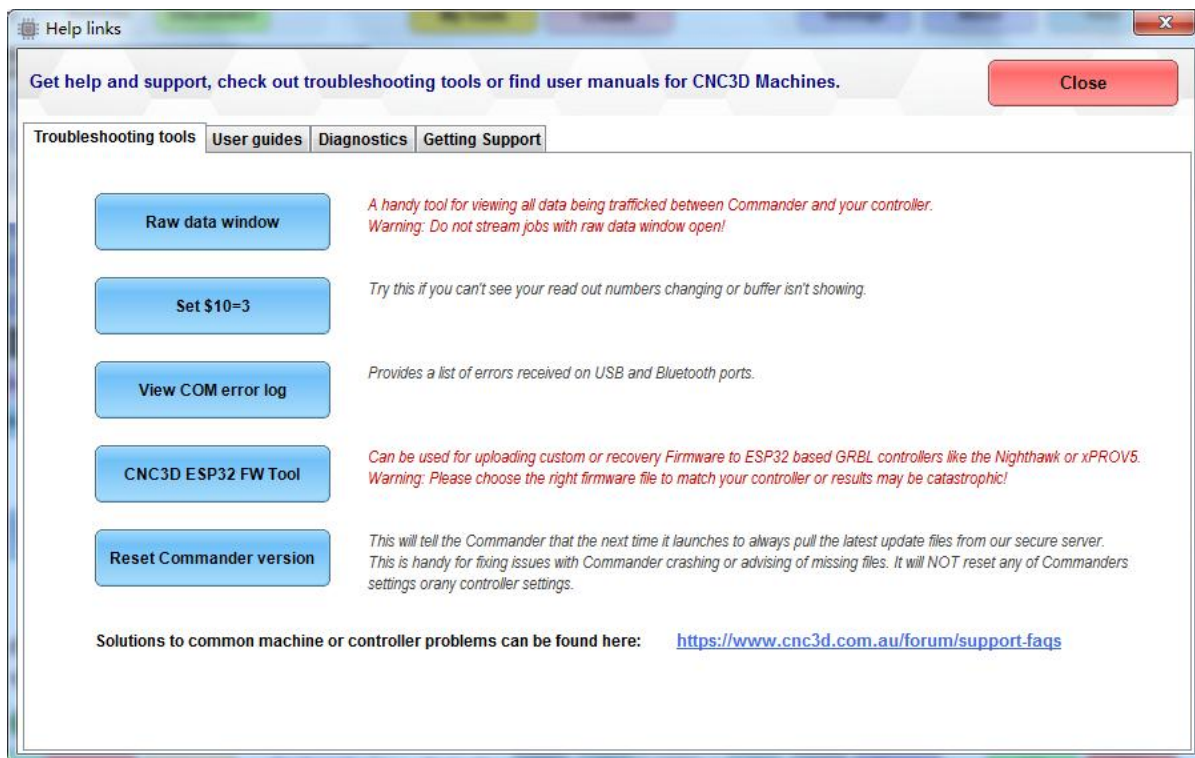
<http://www.aliexpress.com/item/info/1005004562460344.html>



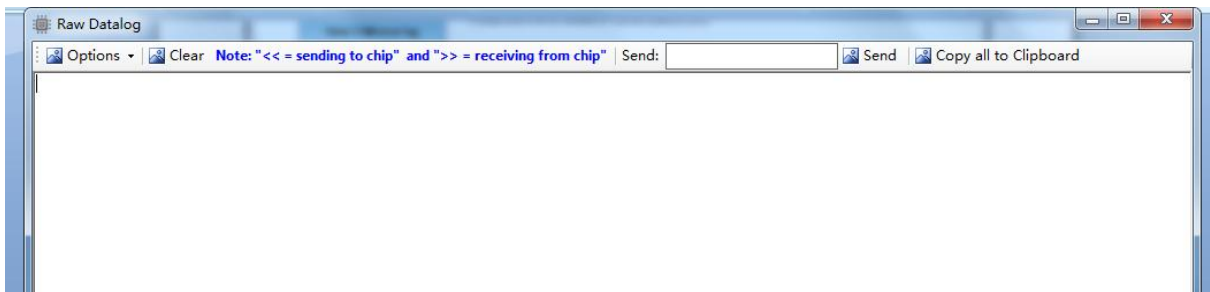
How to buy.

<http://www.aliexpress.com/item/info/1005004562460344.html>

Update and connect



Raw data window



How to buy.

<http://www.aliexpress.com/item/info/1005004562460344.html>

WiFi

It will come up a Hotpot, Name:GRBL_ESP, Keyword:12345678.

4G HD 4G+HD 18:06

🕒 📶 🔋 45

登录 GRBL_ESP

取消

<http://browser.vivo.com.cn>

ESP3D for GRBL ESP32 



Dashboard











GRBL



ESP3D

ESP3D Settings

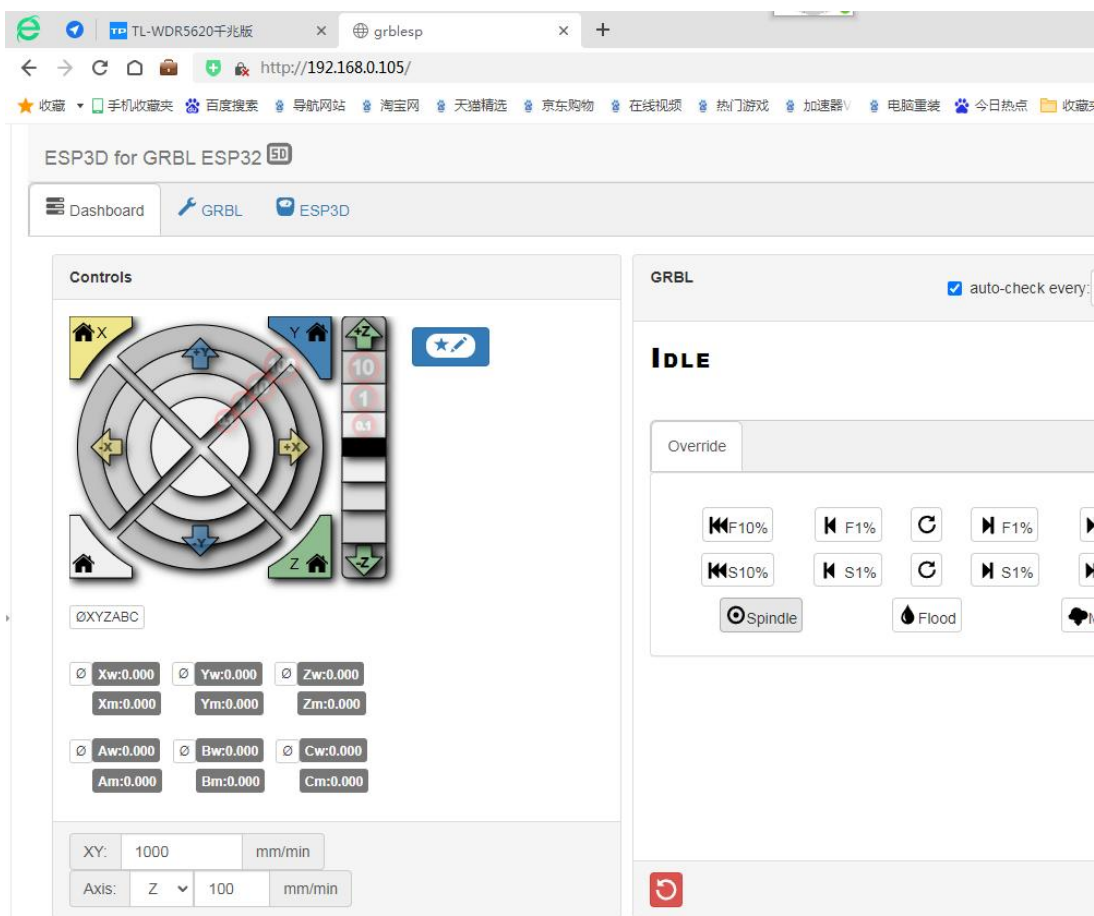


Label	Value
Station SSID	 haibin-kt 
Station Password	 ***** 
Station IP Mode	 DHCP ▼ 
Station Static IP	 0.0.0.0 



How to buy.

<http://www.aliexpress.com/item/info/1005004562460344.html>



Restart to change Radio mode. Restart ESP32 and enable Bluetooth.

When in BT mode, switch back to WiFi from Bluetooth console by `$Radio/mode=STA` or `$Radio/Mode=AP`, and then restart.

Install Grbl-Controller. apk file.

Enable Bluetooth, find ESP32_BT device and pair it.

How to buy.

<http://www.aliexpress.com/item/info/1005004562460344.html>

Open Grbl-Controller software and operate the control board on phone.

