



WiFi Feature User Guide

V1.0

Wiring / Connection

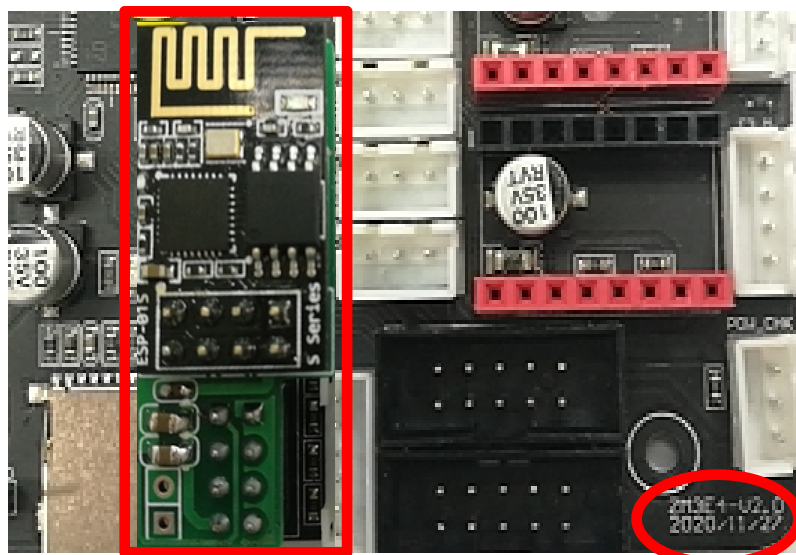
1. Upgrade firmware.

Download the latest firmware from the following link and upload to control board.

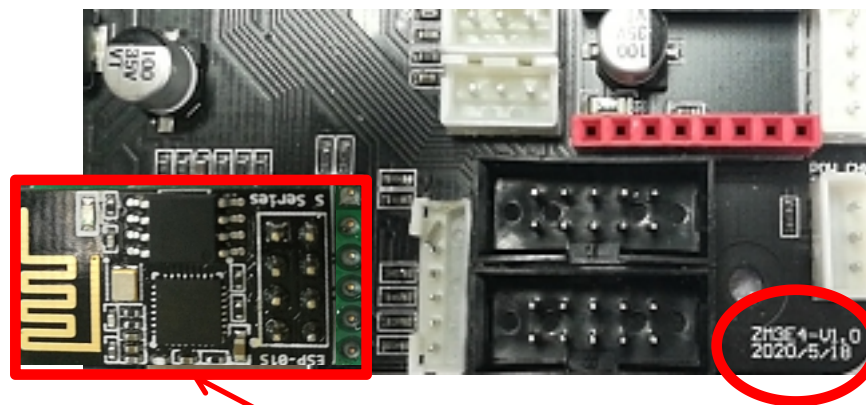
<https://github.com/zonestar3d>

2. Hardware connection.

Refer to the following diagram to connect the WiFi Module.



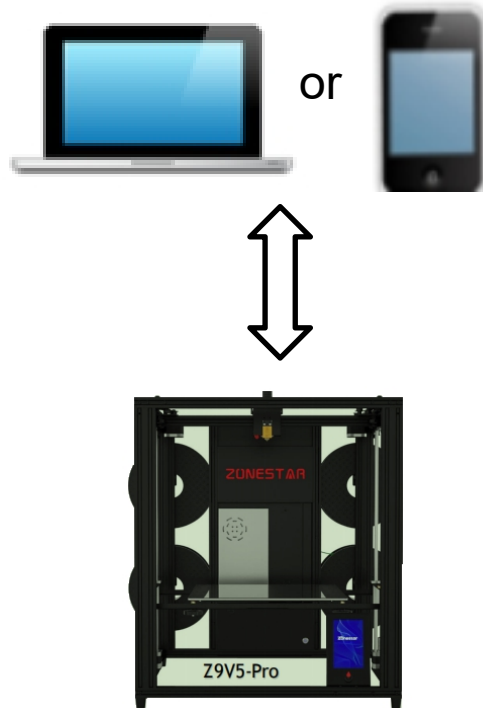
ZM3E4 V2.0
Connection



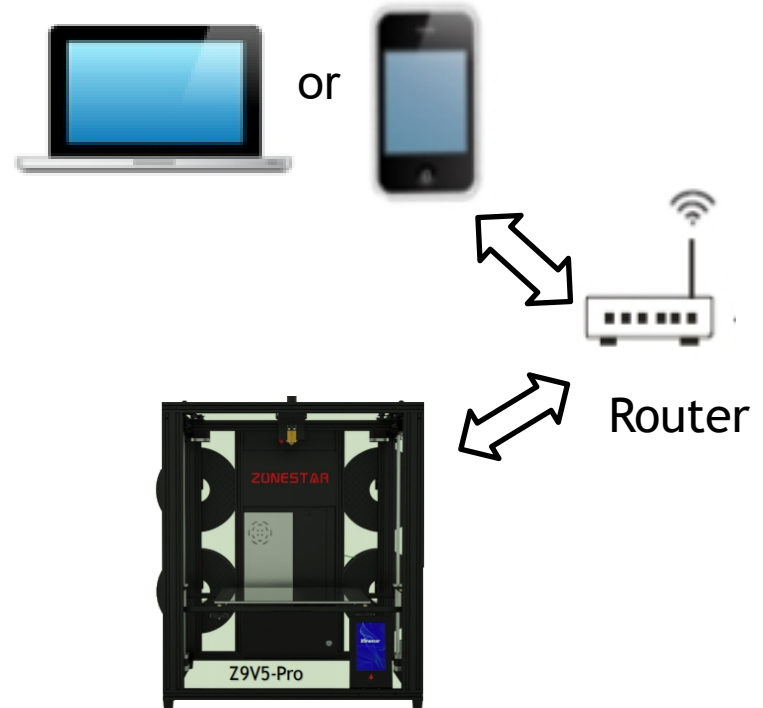
ZM3E4 V1.0
Connection

Note: V2.0 or V1.0 motherboard, WiFi module need to be connected to the motherboard through a connection board.

Work Mode



Access Point (AP) mode



Client Station mode

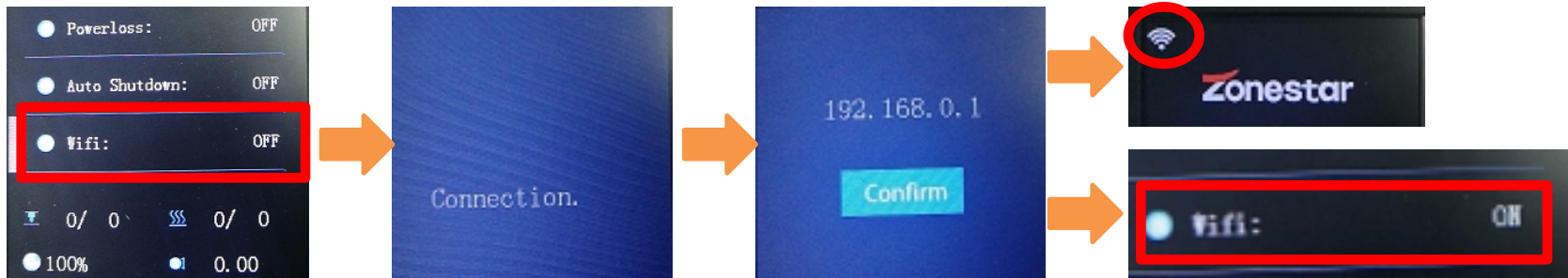
Access Point (AP) mode: The control equipment (computer mobile phone, etc.) link to 3d printer directly, when the WiFi module leave factory, it works in AP mode.

Client Station mode: Both the control equipment and 3d printer link to router, transfer control signal by router.

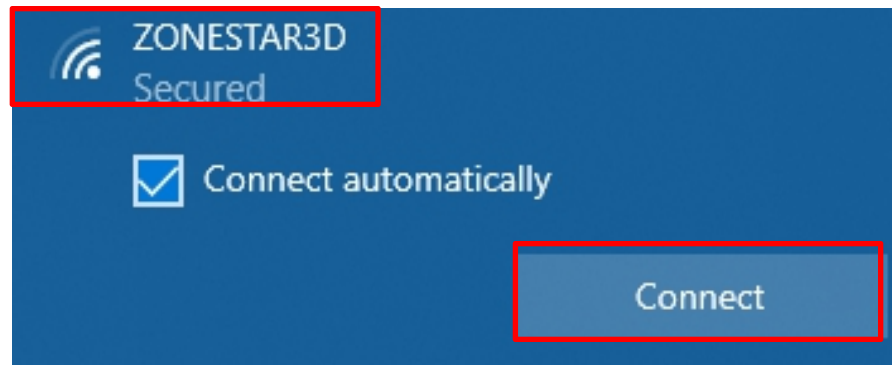
Connet to printer by AP Mode

3.Operation process.

3.1: Turn on the WiFi (example for Z9V5Pro)

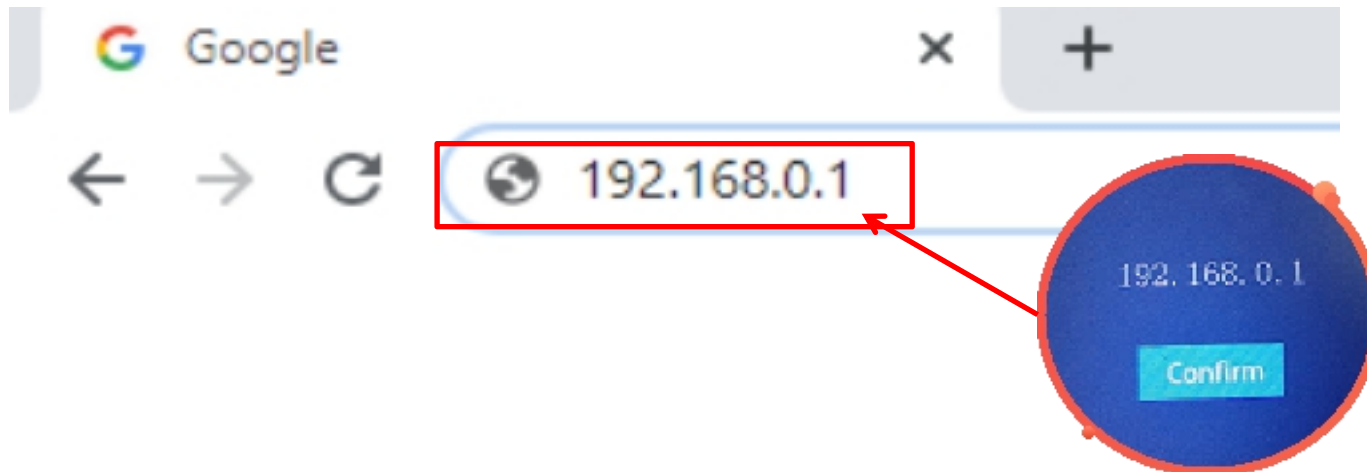


3.2: WiFi hotspot ZONESTAR3D will appear on the laptop (or any other device can receive the WiFi signal), connect it (the default password is **12345678**)

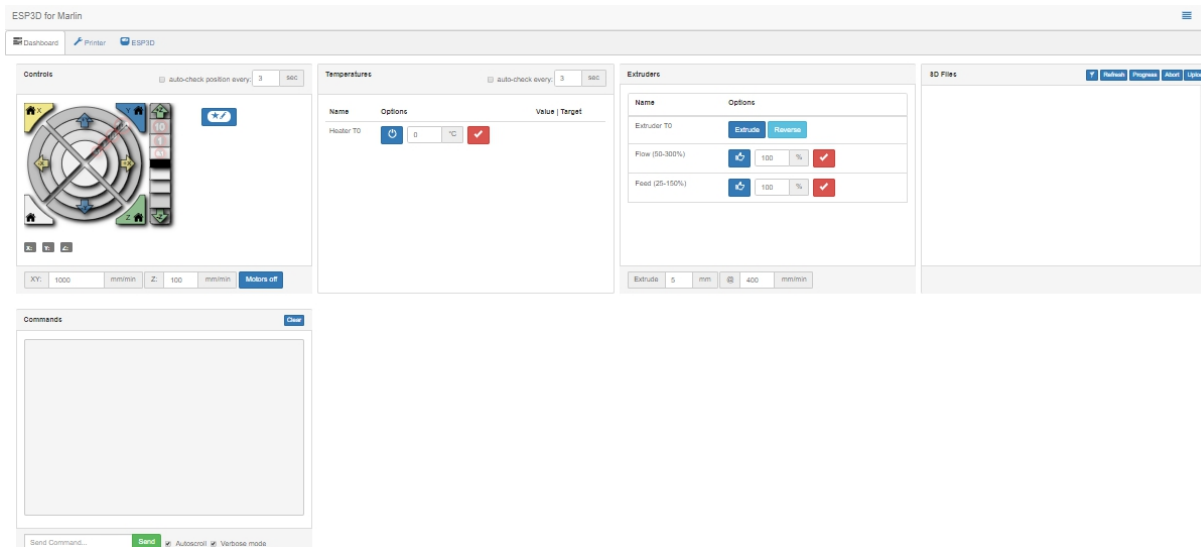


Connet to printer by AP Mode

3.4: Input IP address **192.168.0.1** in the browser and press Enter.



3.5: Finally the explorer will show the ESP3D console page







Print from SD card

4: Click “**Refresh**” and then select the file, click “Print ICON” to start printing.
(Make sure the SD card is inserted on the printer!)

The screenshot displays a 3D printer control interface. On the left, the 'SD Files' section shows a list of files: '4C_NIK~1.GCO' (19.21 MB) and 'XYZ_CU~1.GCO' (383.13 KB). A red box highlights the 'XYZ_CU~1.GCO' file, and a red arrow points to the 'Print' icon (a printer symbol) next to it. Another red arrow points to the 'Refresh' button at the top of the file list. A large orange arrow labeled 'print information display' points from the file list towards the right. On the right, the 'Commands' section shows a text area with a list of commands and status messages, including 'echo:Now fresh file: /XYZ_CU~1.GCO', 'File opened: XYZ_CU~1.GCO Size: 392321', and 'File selected'. Below the text area, there is a 'Send Command...' input field with a red box around it and a 'Send' button. To the right of the input field are checkboxes for 'Autoscroll' and 'Verbose mode'.

SD Files /

Refresh Progress Abort Upload

4C_NIK~1.GCO	19.21 MB		
XYZ_CU~1.GCO	383.13 KB		

print information display

Commands

Clear

```
echo:Now fresh file: /XYZ_CU~1.GCO
File opened: XYZ_CU~1.GCO Size: 392321
File selected
ok
ok
ok T:19.02 /0.00 B:19.15 /50.00 @:0 B@:0
T:19.02 /0.00 B:19.15 /50.00 @:0 B@:0 W:?
T:19.08 /0.00 B:19.17 /50.00 @:0 B@:0 W:?
echo:busy: processing
T:19.10 /0.00 B:19.23 /50.00 @:0 B@:0 W:?
T:19.10 /0.00 B:19.15 /50.00 @:0 B@:127 W:?
echo:busy: processing
T:19.10 /0.00 B:19.17 /50.00 @:0 B@:127 W:?
T:19.15 /0.00 B:19.15 /50.00 @:0 B@:127 W:?
echo:busy: processing
T:19.06 /0.00 B:19.27 /50.00 @:0 B@:127 W:?
T:19.08 /0.00 B:19.29 /50.00 @:0 B@:127 W:?
echo:busy: processing
T:19.08 /0.00 B:19.27 /50.00 @:0 B@:127 W:?
```


















Send Command... Send ☐ Autoscroll ☒ Verbose mode

You can also input and send gcode command from here

Modify WiFi Access Mode

5: Modify WiFi access mode.

5.1: Default as below:

Web Port	 80	Set
Data Port	 8888	Set
Hostname	 ZONESTAR3D	Set
Wifi mode	 Access Point ▼	Set
Station SSID	 ZONESTAR	Set 
Station Password	 *****	Set
AP SSID	 ZONESTAR3D	Set
AP Password	 *****	Set
AP Network Mode	 11g ▼	Set
SSID Visible	 Yes ▼	Set
AP Channel	 11 ▼	Set
Authentication	 WPA ▼	Set
AP IP Mode	 Static ▼	Set
AP Static IP	 192.168.0.1	Set
AP Static Mask	 255.255.255.0	Set
AP Static Gateway	 192.168.0.1	Set

Modify WiFi Access Mode

5.2: Client station mode

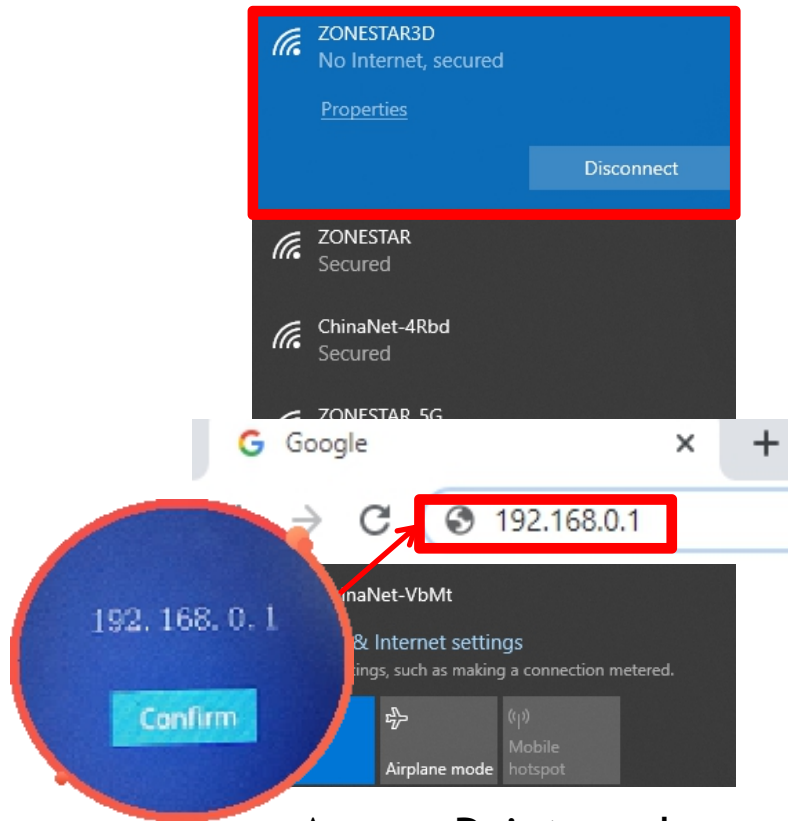
Web Port	<input type="text" value="80"/>	Set
Data Port	<input type="text" value="8888"/>	Set
Hostname	<input type="text" value="ZONESTAR3D"/>	Set
Wifi mode	<input type="text" value="Client Station"/> <input checked="" type="checkbox"/>	Set
Station SSID	<input type="text" value="ZONESTAR"/> <input checked="" type="checkbox"/>	Set <input type="button" value="Q"/>
Station Password	<input type="text" value="zonestar123"/> <input checked="" type="checkbox"/>	Set
Station Network Mode	<input type="text" value="11g"/>	Set
Station IP Mode	<input type="text" value="DHCP"/>	Set
Station Static IP	<input type="text" value="192.168.0.1"/>	Set
Station Static Mask	<input type="text" value="255.255.255.0"/>	Set
Station Static Gateway	<input type="text" value="192.168.0.1"/>	Set

Choose the SSID of your WiFi Router, you can use scan button, it will list available SSID

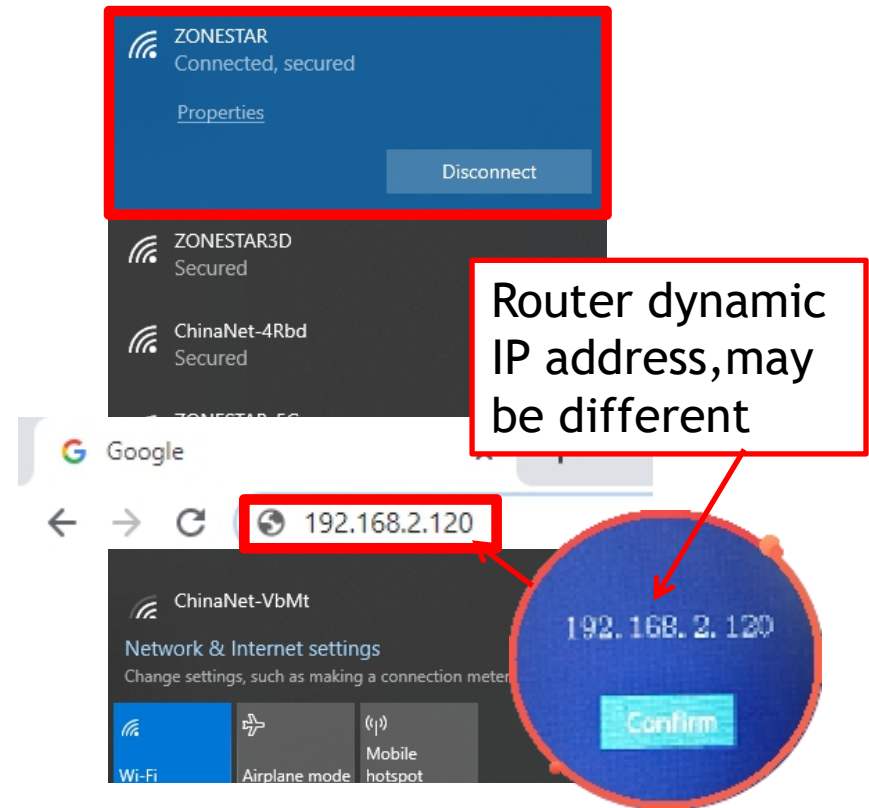
Input the WiFi password

Modify WiFi Access Mode

5.3: WiFi hotspot change: If the WiFi mode changes, the corresponding WiFi hotspots need to be re linked, then enter the correct IP address.



Access Point mode



Client Station mode

Note: After the WiFi mode is changed, the WiFi module needs to be reset.