



WiFi Feature User Guide

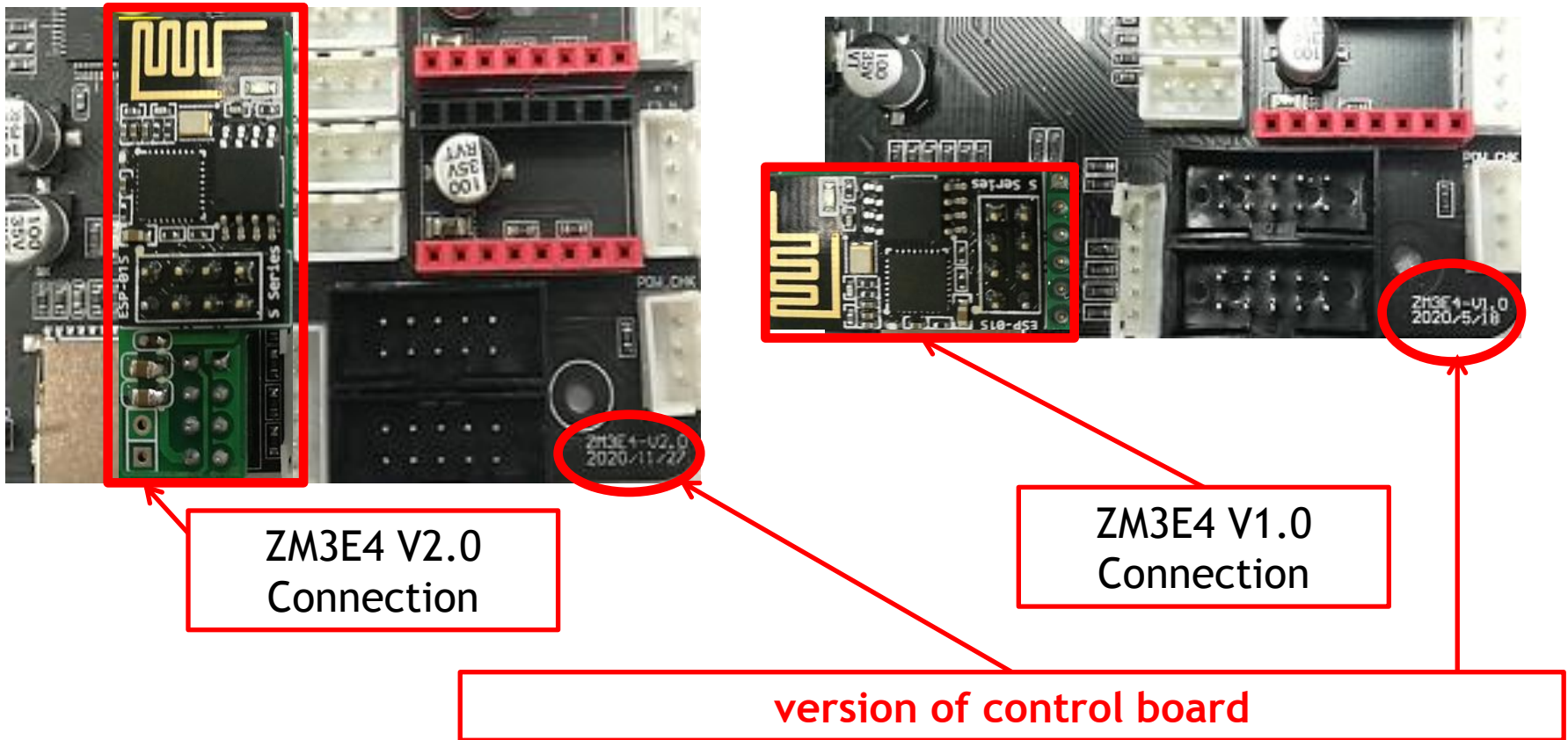
V2.0

Wiring / Connection

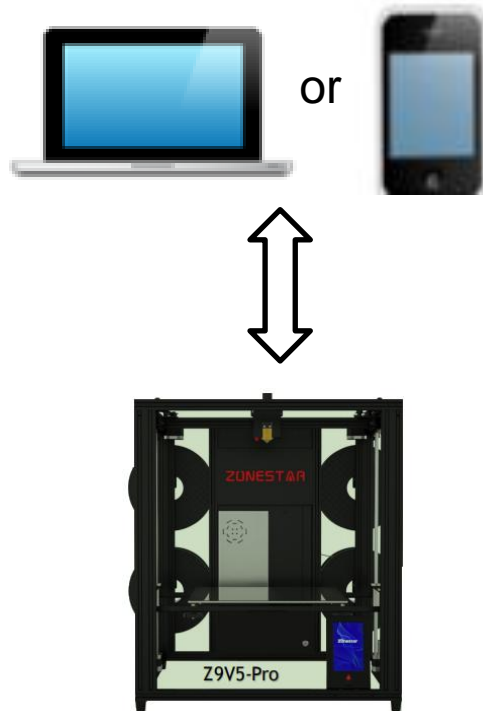
1. Upgrade firmware (skip this step if you can see a WiFi menu on LCD screen)
Download the latest firmware from the following link and upload to control board.
<https://github.com/zonestar3d/firmware>

2. Hardware connection.

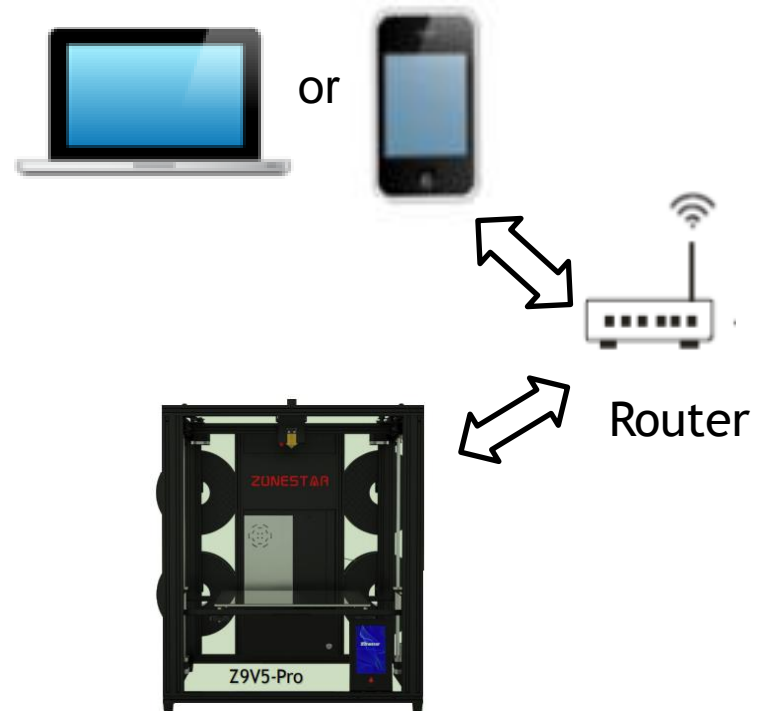
Refer to the following diagram to connect the WiFi Module.



Work Mode



Access Point (AP) mode



Client Station mode

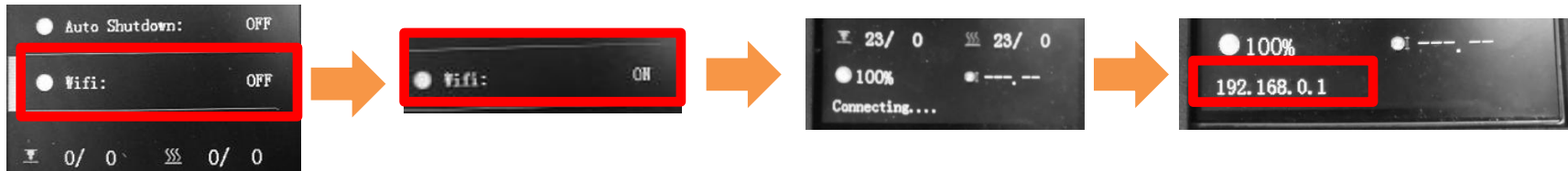
Access Point (AP) mode: The control equipment (laptop, PC, mobile phone etc.) link to 3d printer directly, **when the WiFi module leave factory, it works in AP mode.**

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

Connet to printer by AP Mode

3.Operation process.

3.1: Turn on the WiFi on LCD MENU “Control>>Configre>>WiFi” (Z9V5Pro as example), after WiFi working, it will shows a IP address on the bottom of LCD screen “**192.168.0.1**”

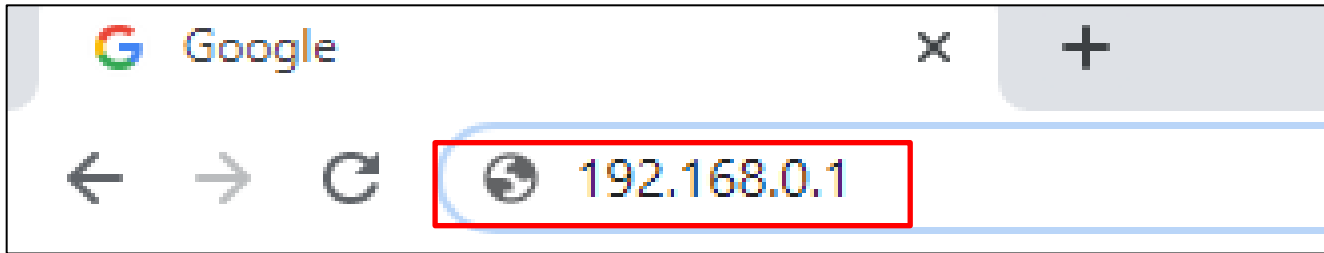


3.2: WiFi hotspot **ZONESTAR3DP** will appear on the laptop (or any other device can receive the WiFi signal), connect it (**the default password is 12345678**)

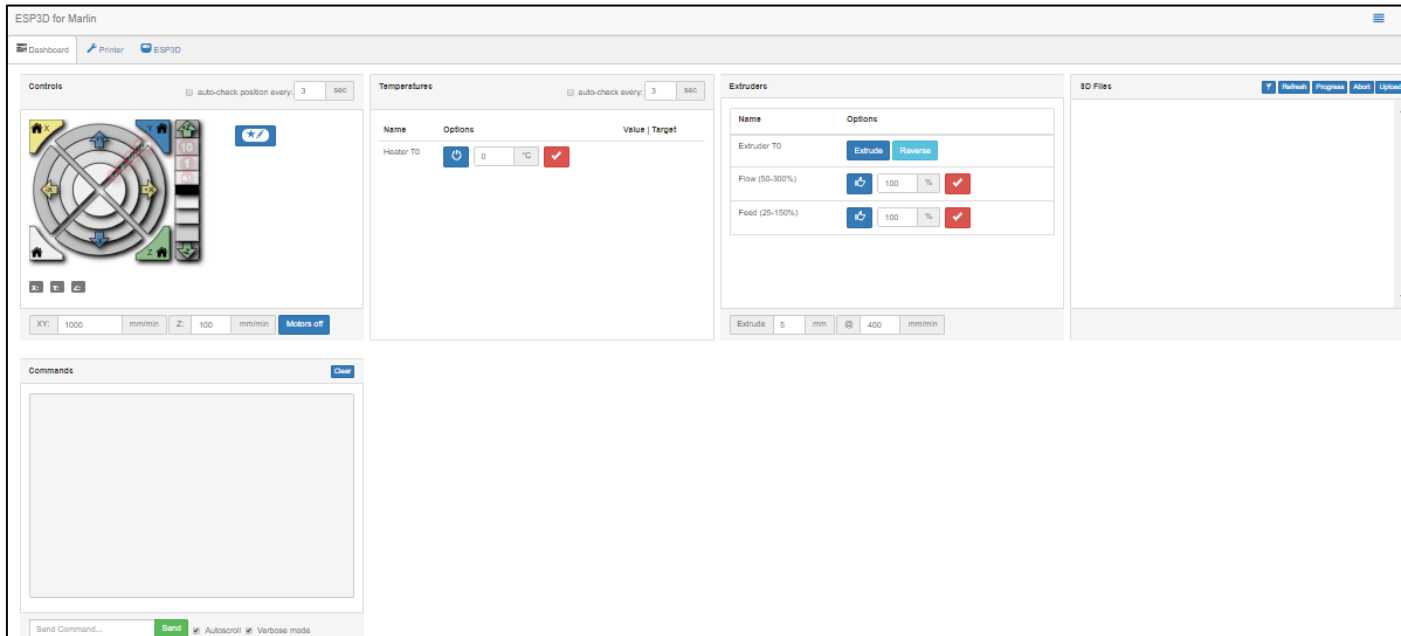


Connet to printer by AP Mode

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



3.5: the web 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!)

SD Files /

Refresh Progress Abort Upload

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

print information display

You can also input and send gcode command from here

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:?
```

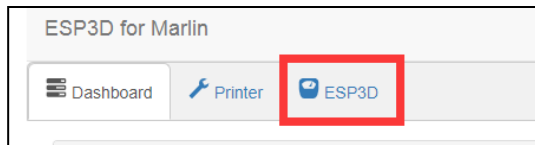
Send Command... Send ☐ Autoscroll ☒ Verbose mode

More about ESP3D-WebUI, please refer to <https://github.com/luc-github/ESP3D-WEBUI>

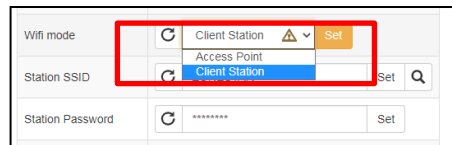
Switch WiFi Access Mode

5: Switch to Client Station Mode

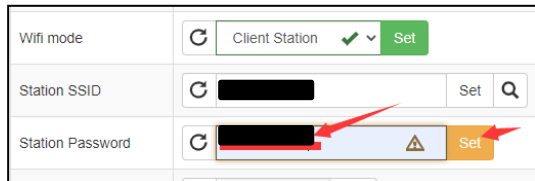
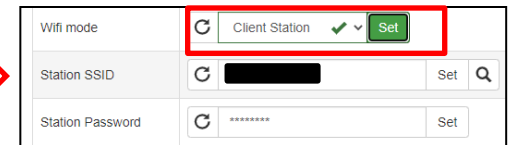
Step 1: Enter **ESP3D-WebUI** (refer to above steps), fill SSID and Password of your Router, And then reset **ESP3D-WebUI** module



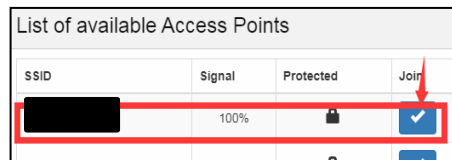
Choose **ESP3D** button



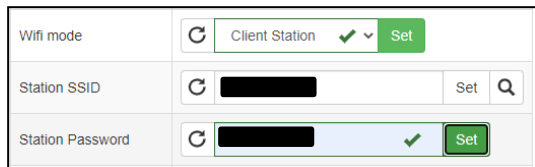
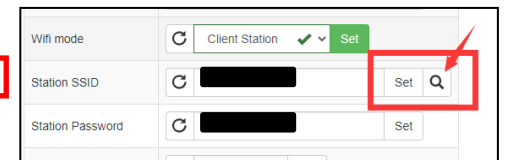
Switch "**Client mode**" and click "**Set**"



Input password of your WiFi



Search and choose **SSID** of your WiFi Router



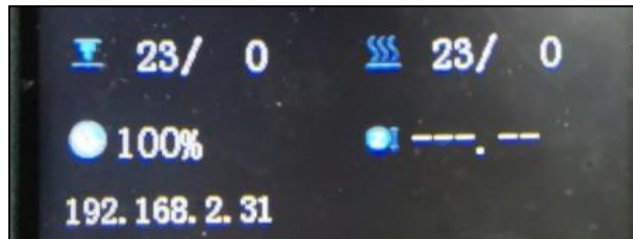
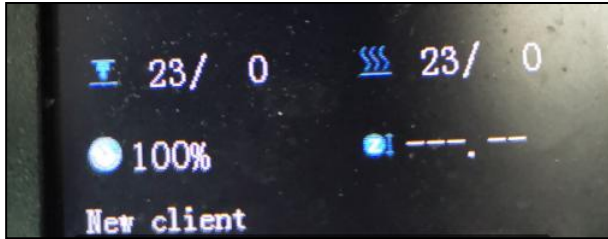
Click "**Set**" button after changed



Click "**Power**" button to reset WiFi module

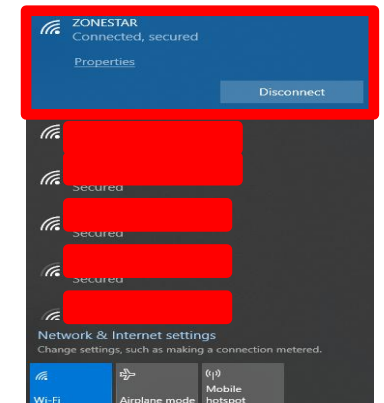
Modify WiFi Access Mode

Step 2: After reset the WiFi module, you can see the IP address on LCD screen of Printer.



“New client” and new IP address will show on the bottom of LCD screen

Step 3: Switch the WiFi hotspot to the SSID of your Router



Switch WiFi hotspot

Step 4: Input the new IP address of your printer on the web explorer

