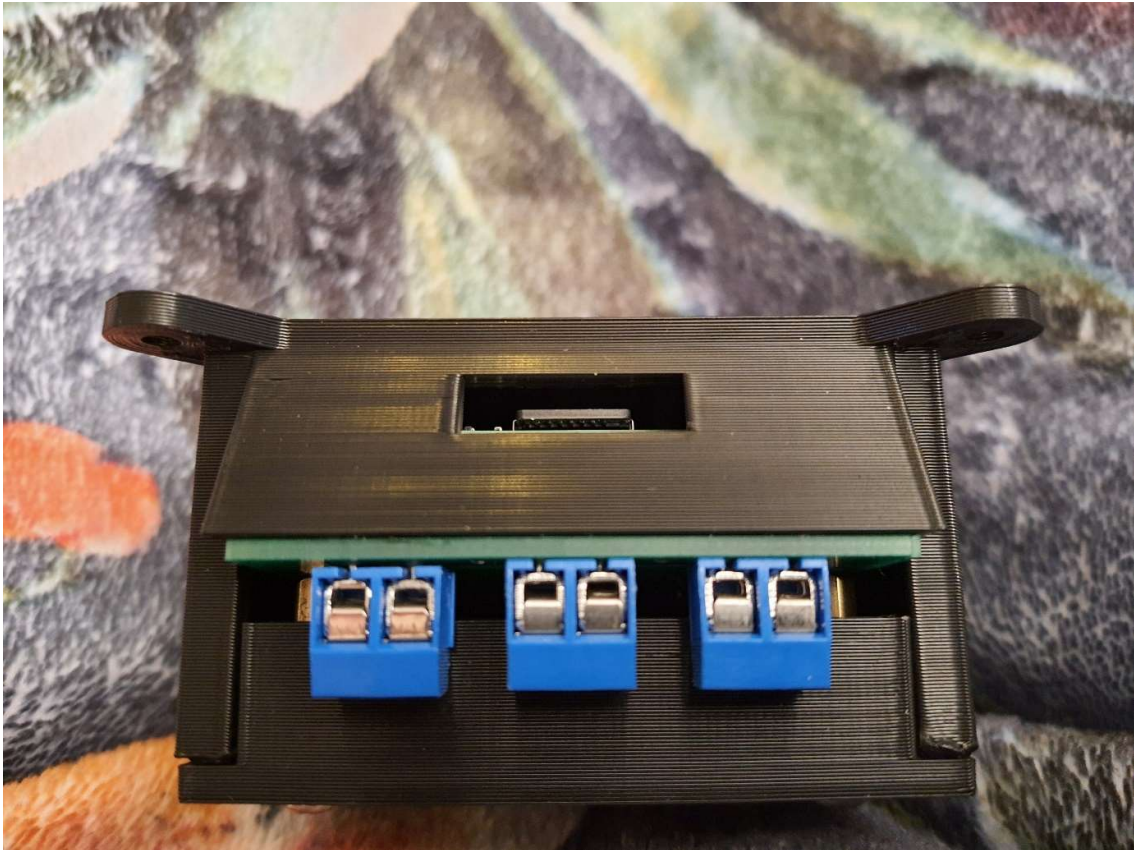


## How to set up controller connection to your Wi-Fi network.

**WARNING:** once you change the controller setup to connect to your Wi-Fi network, you will not be able to reset back to the previous **access point** settings on your own. However, if you would like to do that then you will need to send your microSD card to us, and we will program the original settings for free. You will just need to pay for the microSD card postage from us back to you.

If your controller has a hole as shown on **picture 1** through which you can see a microSD card, then you will be able to connect your controller to your home Wi-Fi network.



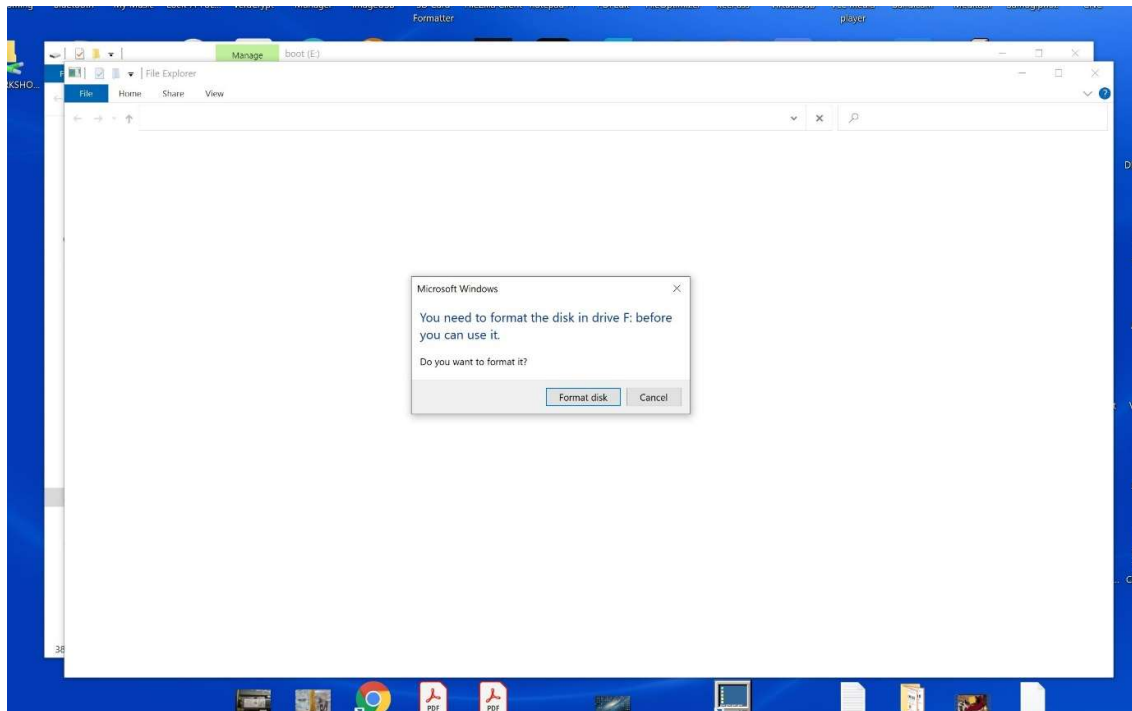
Pic1

To achieve this, you will need to use thin tweezers to carefully take the microSD card out of the controller (see **picture 2**) and insert it into your computer.



**Pic2**

Once you insert the microSD card you might get a message asking you to format the card or some other similar notification (as shown in **picture 3**). Please click “Cancel” or “No” to make sure you do not format the microSD card.



**Pic3**

On your computer, please open a disk named "boot (X:)" where X is a letter allocated by your computer to the inserted microSD card (it can be any letter). There, you will find files for the controller's file system, so please make sure you never change anything in those files. Please download wpa\_supplicant.zip file from our website:

[https://kilns.pro/downloads/wpa\\_supplicant.zip](https://kilns.pro/downloads/wpa_supplicant.zip)

Please save this file in the directory that is convenient for you, extract file wpa\_supplicant.conf from it, and open that extracted file by using any text redactor (e.g. Notepad for Windows or notepad++). Search the text file to find the following lines:

```
ssid="XXXXXX"  
psk="YYYYYY"
```

Please change XXXXXX in `ssid="XXXXXX"` to the SSID of your Wi-Fi access point. Then, instead of YYYYYY in `psk="YYYYYY"` line please insert your Wi-Fi network password.

Please save the file to ensure you save all the changes and then copy the wpa\_supplicant.conf file onto the microSD card "boot (X:)". When inputting your

SSID and Password please remember that "CAPITAL and lowercase" signs are recognised differently.

**WARNING!!!** Please do not open and change any other files on the microSD card as this can lead to complete malfunction of the controller.

Once you are done with the previous series, please carefully insert the microSD card back into the controller, and switch the device on. When starting, the controller will find the file you have uploaded, read the data, connect to Wi-Fi network, and delete the file. If in the future you will need to connect to a different network, you will need to repeat the whole process once again.

Now, you can connect to your controller by inputting the following into your browser address line on your computer:

127.0.0.1:8888

You might need to use IP address the controller is allocated once it connects to Wi-Fi. To do that, you will need to connect to the administrator panel of your Wi-Fi router and find the list of connected devices. You will see a device named "ThermoController" or "raspberrry", that is the device which you need to find the IP address.

If you cannot connect to the administrator panel of the Wi-Fi router, you can use the "Advanced IP scanner" utility for Windows. You can find this utility online or download it from our website:

[https://kilns.pro/downloads/Advanced\\_IP\\_Scanner.zip](https://kilns.pro/downloads/Advanced_IP_Scanner.zip)