

Connecting Klimerko Pro

a quick start guide

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Helpful Information

LEGEND:

WIFI CONFIGURATION MODE: THE MODE IN WHICH THE DEVICE ITSELF SIMULATES A WIFI ROUTER SO YOU CAN CONNECT TO IT USING WIFI ON YOUR SMARTPHONE OR COMPUTER.

WIFI CONFIGURATION PORTAL: THE WEBPAGE THAT IS PRESENTED TO YOU IN WHICH YOU CONFIGURE THE DEVICE AFTER YOU CONNECTED TO IT USING YOUR MOBILE PHONE OR COMPUTER.

WiFi Configuration Mode Network Name

The device presents itself as “KLIMERKO-XXXXXXXXXXXX” to other WiFi-Enabled devices when in WiFi Configuration Mode, where the “XXXXXXXXXXXX” is the serial number of the device (marked on both the back of the 3D printed case and on the back side of the PCB), so you can differentiate them.

WiFi Configuration Mode Password

If you're prompted for a password when trying to connect to a device that's in WiFi Configuration Mode, the password is: **ConfigMode**

LED Light Codes and Explanations

The device is equipped with an RGB LED that is meant to help you understand what's going on with the device at a glance:

Quick Green-Blue-Red Blink (<1 second total)

Device has just booted, meaning it was either plugged into power or reset for any reason (the device can reset on it's own, for example when updating its firmware).

Constant Blue Light

The device is currently in WiFi Configuration Mode and you can connect to it using WiFi on your smartphone or a computer.

Quick Green Blink (<2 seconds total)

The device has successfully connected to either WiFi or the RockIOT Platform.

Constant Slow Red Blinking (1.5 seconds on, 1.5 seconds off)

Device is not connected to WiFi.

Constant Faint Yellow Blinking (0.8 seconds on, 0.8 seconds off)

Device is not connected the RockIOT platform.

Erratic Magenta/Pink Blinking

Device is downloading a firmware update and will restart and return to normal operation shortly.

WARNING: DO NOT RESET, UNPLUG OR POWER OFF THE DEVICE WHEN YOU SEE THIS LIGHT BLINKING PATTERN. IT WILL BRICK THE DEVICE.

Connecting to WiFi

There are two different approaches when connecting the device to WiFi.

Both are very similar, with the only differentiating factor being if the device already has WiFi credentials stored in its memory or not.

If you're not sure about your device, plug it into power. If the light in the device turns solid blue, your device has no stored credentials. Follow the 1st guide below.

If the light starts blinking red, the device has previously been connected to a WiFi network, and you should follow the 2nd guide.

1. Connecting the Device for the First Time

If the device has never been connected to a WiFi Network before, or had its WiFi credentials reset (check Troubleshooting & Tips for more), it will automatically enter WiFi Configuration Mode once you plug it into power.

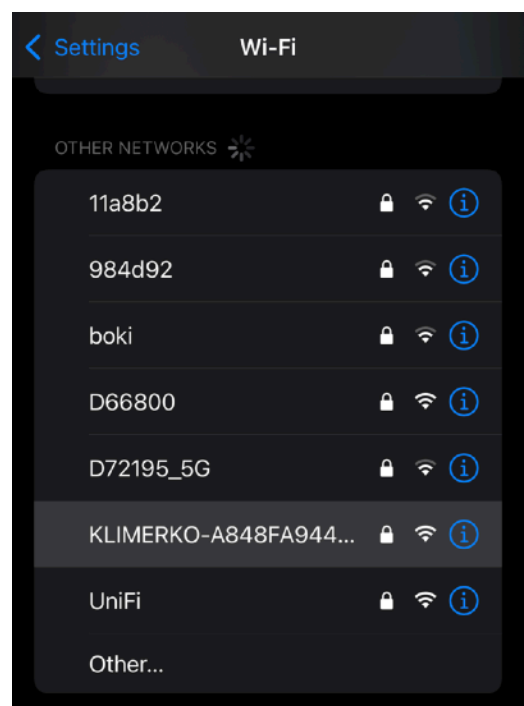
1. Connect the device to power using a USB-C cable. The light inside the device should rapidly blink Green-Red-Blue and switch to steady blue light after a few moments.
This means the WiFi Configuration Portal is started and you can connect to the device using your smartphone or a computer.
This mode will expire after 30 minutes of inactivity.



2. Using your smartphone or a computer, go to WiFi Settings and search for “KLIMERKO-XXXXXXXXXX”, where the X's are the serial number of the device, marked on the back side of the case (and on the back side of the PCB inside the case).

The **password** to connect to the device is

ConfigMode



3. Your smartphone or computer should automatically open the WiFi Configuration Portal from which you can configure the device.
Click the “Configure WiFi” button and wait for the device the scan for nearby WiFi Networks.

Note: In the bottom part of the page, you’ll be able to see if the device is already connected to a WiFi network or not, and what IP address it’s given.

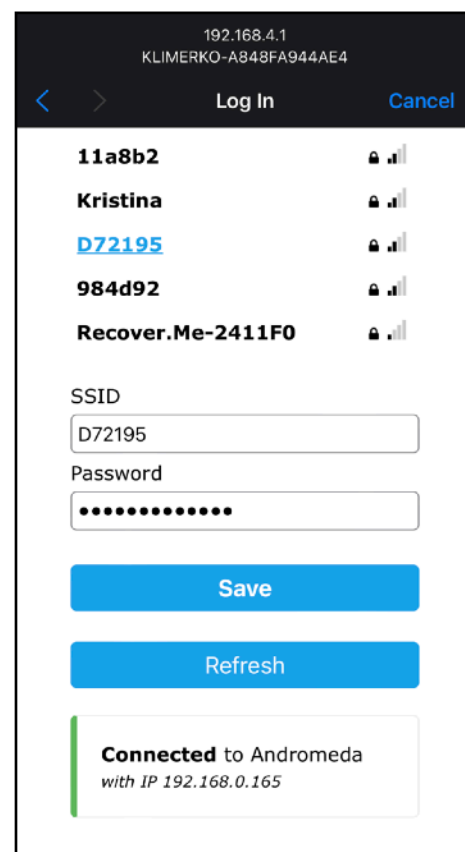


4. The device will show you a list of nearby WiFi networks, from which you can choose the one you want the device to connect to.
Once you select a network, enter the password for that network and click “Save”.

The device is now trying to connect to the WiFi network you selected. Once it does, the solid blue light coming from the device will go off and a brief green blink will notify you that the device is successfully connected to WiFi and is fully operational.

If the solid blue light doesn’t go off, the device most likely didn’t connect to the WiFi network because of a bad password, weak signal or some other issue.

If the solid blue light is still on, the WiFi Configuration Portal is still active, so you can go back to Step 2 and try to connect it to WiFi again.




2. Connecting the Device if it has already been connected to a WiFi network at some point

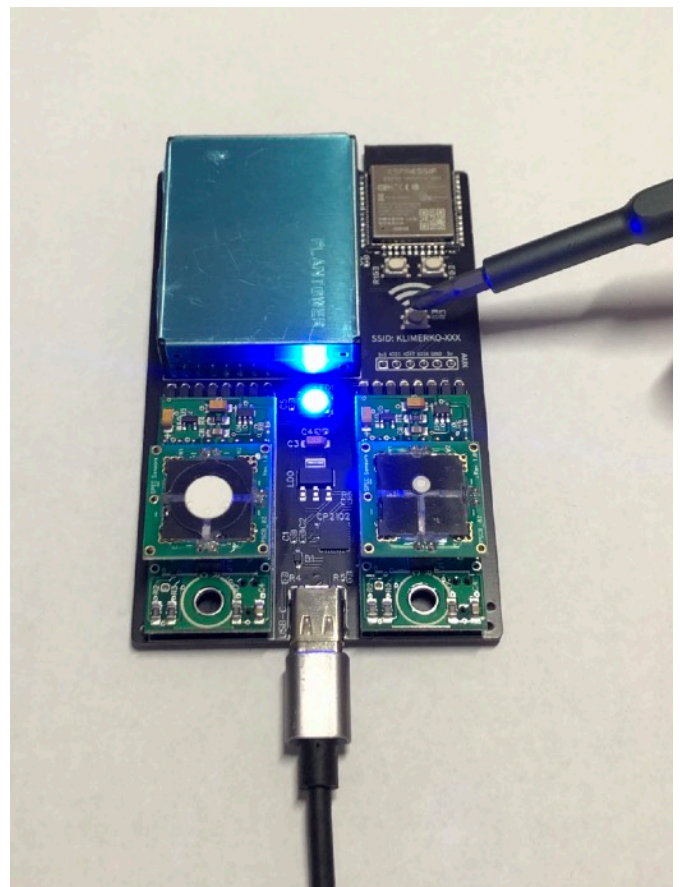
If the device has already been connected to a WiFi network before (meaning it has WiFi credentials in its memory), or you wish to connect the device to another WiFi network, you will need to activate the WiFi Configuration Portal manually by taking the device out of the case and pressing and holding a button located on the board.

1. Using a Phillips screwdriver, remove the 2 screws located on the bottom side of the case.
2. Once done, remove the bottom cover piece. This will reveal the PCB.
3. Remove the PCB by tilting the case upwards.



4. Plug the device (board) into power (make sure to not touch sensors - the green boards) and wait about 20 seconds for it to fully power on.
5. **Press and hold** the WiFi Configuration Button () until you see solid blue light come on from the device's LED. If the LED doesn't turn solid blue, make sure to hold the WiFi Configuration Button for a bit longer.
6. The device is now in WiFi Configuration Mode and you can proceed from Step 2 from the previous guide (*Connecting the Device for the First Time*).

Note: WiFi Configuration Portal can be stopped at any time by briefly pressing the WiFi Configuration Button (as opposed to holding it)



Troubleshooting & Tips

Device doesn't blink at all when I plug it in

- Make sure the adapter is plugged in and the cable you're using is actually working.
- Have you powered off the device while it was blinking magenta/pink? You might have bricked the device. Contact the manufacturer.

I can't remove the bottom cover of the case

Since the case is 3D printed, there can sometimes be spacing issues that result in this.

- Try tapping your hand with the bottom of the device, but be careful not to use too much force.
- Try using pliers or a smaller similar tool to grab the bottom cover by the ventilation grills.

I can't connect to the WiFi Configuration Portal no matter what I try

- If you can't connect to the device's WiFi (it's constantly asking for a password), take the device out of the casing, plug it in, make sure it's in WiFi Configuration Mode (the light is solid blue), press the WiFi Configuration Button quickly once (the solid blue light will turn off) and then hold the button until the solid blue light comes back on. Try to connect to it again.
- If you're connected to the device's WiFi but the WiFi configuration portal doesn't open automatically, open the browser and go to "192.168.1.4". This will lead you to the WiFi Configuration Portal.

I want to make the device behave the same as it did when I first plugged it in (enter WiFi Configuration Mode automatically at boot)

- This functionality is supported through the RockIOT platform.
Refer to RockIOT documentation on how to perform this procedure.