

Installation Instruction



STEP ONE – WiFi Connection

1. Plug in the device with a USB-C cable
2. Open your phone (iPhone or Android) to where it can see available WiFi connections /networks
3. Select from the available WiFi networks - “**CleanAir-Setup**”
4. Please ensure your default browser is Chrome, Edge, Safari and pop up blockers are disabled on your phone/PC/Mac
5. You will now be prompted to enter the **SSID** and the **Password** for the WiFi network you have selected. (double check your SSID and password!!)
6. Once selected press the “**Submit**” or “**OK**” button on your phone.
7. The LED will change from blue to green once the WiFi connection is made.
8. Your device will now automatically connect to your WiFi network every time it is plugged in.

The device is now on your WiFi network and good to go!

Just a few more steps to get the data flowing

STEP TWO – Account Setup and Registering your Device

You will now need to **create a new CleanAir user account** to register your new device and to begin logging and reviewing air quality data on your own secure web page.

1. **Press the “Login” button** at the top left of the [CleanAir Main Page](#).

Or type into your browser https://homebubble.synology.me/~Malcolm/Air_Quality/index.php

2. Create a user account by filling in the required information and pressing the “**Create account**” button. You will be using this account to register your device and view your air quality data in the near future
3. **Press the “Register new device” button** and fill in the required information when you are returned to the [CleanAir Main Page](#) after creating your user account
4. This is where you will **enter the Device ID information** that can be found on a sticker attached to the back of your device
5. You are now ready to go. **Press the “View my air quality data” button** when you return to the [CleanAir Main Page](#) after registering your device



New User Process Flow Summary Review

****All processes assume a new user and not a pre-existing user**

New Users (no pre-existing account)

1. Receive and unbox the unit
2. Connect your CleanAir monitoring device to your local WiFi network
3. Locate and save the Device ID number (MAC address) and URL from the bottom of the unit (this will be needed to register their product)
4. Open your web browser (preferably Chrome or Edge)
5. Open the **CleanAir Main Page**
(https://homebubble.synology.me/~Malcolm/Air_Quality/index.php) in preparation for creation of a user account
6. Press the Log in button on the upper right-hand corner of the screen
7. If you do not already have an account, click the “Create an account” link at the bottom of the login box
8. Enter your First & Last names, your email address (which will be your username) and create a password that is at least 8 characters long
9. Press the “Create account” button to create a user account
10. This will take you directly to the “Register your monitor” screen
11. Enter the Device ID, which is the Device ID found on the sticker on the bottom of your unit
12. Name this device, a unique name that you will associate this monitor with
13. Enter the location your unit will be placed in for reference (Dining Room, Kitchen, RV...etc)
14. Once complete press the “Register” button to register your device with the CleanAir database
15. You will now return to the main CleanAir main webpage
16. Press the “View my air quality data” button to view your data this is now being logged

Success!!

You have now successfully unboxed, connected to your WiFi, created an account, registered your device and you can now see the quality of the air in your location!!

We would suggest placing your interior units where there is sufficient airflow so the unit is measuring a representative amount of air

Changing WiFi connection?

1. Relocate your filter/sensor to the new location. If the filter/sensor does not detect the old WiFi connection it will automatically reset and you will need to follow the “STEP ONE – WiFi Connection” instructions on page 1 of this manual
2. Open a browser (Chrome or Edge) enter in the link provided on the sticker on the bottom of your filter/sensor (example only: <http://cleanair-xxxx.local>). This will take you to a webpage that will enable you to reset the WiFi connection for your filter/device. This must be done prior to removing the filter/sensor from the original WiFi connection. Once complete follow Step to reconnect your filter to the new WiFi connection. Your account will **not** be deleted if you transfer your device to another WiFi network.

Air Quality Web Page <http://cleanair-XXXX.local>

1. This webpage will allow you to manually turn your filter fan off or on, set a time for how long it should run or turn it on indefinitely (“Until changed”). Or set the fan back to full automatic mode. In normal operation, or fully automatic, the fan will automatically turn on when the PM2.5 limit of 25 is reached or exceeded and will turn off automatically when the PM2.5 level drops below 25.
2. This page will also allow you to reset your WiFi connection if you are moving to a different WiFi
3. If you unplug your filter and re-plug it in the fan setting will reset to automatic and your LED’s will reset to the default setting – always on. Your WiFi connection will reconnect automatically to the last known WiFi connection

Air Quality Monitor

Unit ID	3076F5A66FD8
Registered	Yes
WiFi SSID	RoseWifi
IP Address	192.168.0.163
Local Address	cleanair-6fd8.local
Fan	off (auto)
Status LEDs	on
PM2.5	3.7 $\mu\text{g}/\text{m}^3$

Fan control

By default the fan switches on/off automatically based on the PM2.5 reading. Use these to override it manually for a set number of hours, after which it reverts to automatic on its own – or hand control back immediately with "Auto".

Status LEDs

Turn the air-quality color indicator strip on or off. This doesn't affect fan operation.

Reset WiFi credentials

This clears the saved SSID/password and reboots the device into its setup access point ("CleanAir-Setup"), the same as holding BOOT at power-up. Use this instead of editing the sketch when you want to move the device to a different network.

PM2.5 - Warning Definitions

PM2.5 $\mu\text{g}/\text{m}^3$

- 0–5 ● Excellent Green Very clean air**
- 5–10 ● Good Green Good air quality**
- 10–15 ● Fair Yellow Increasing particulate pollution**
- 15–25 ● Moderate Orange Smoke becoming significant**
- 25–35 ● Poor Orange Health effects possible**
- 35–55 ● High Red Unhealthy, especially for sensitive people**
- 55–100 ● Very High Red Unhealthy wildfire smoke**
- 100–150 ● Severe Purple Very unhealthy**
- 150+ ● Hazardous Dark red/brown Extremely high smoke exposure**