

Sensors

To measure and determine the air quality AerSMASH applies the Aeros sensors.

The operating manual of the sensor is attached in the next pages.

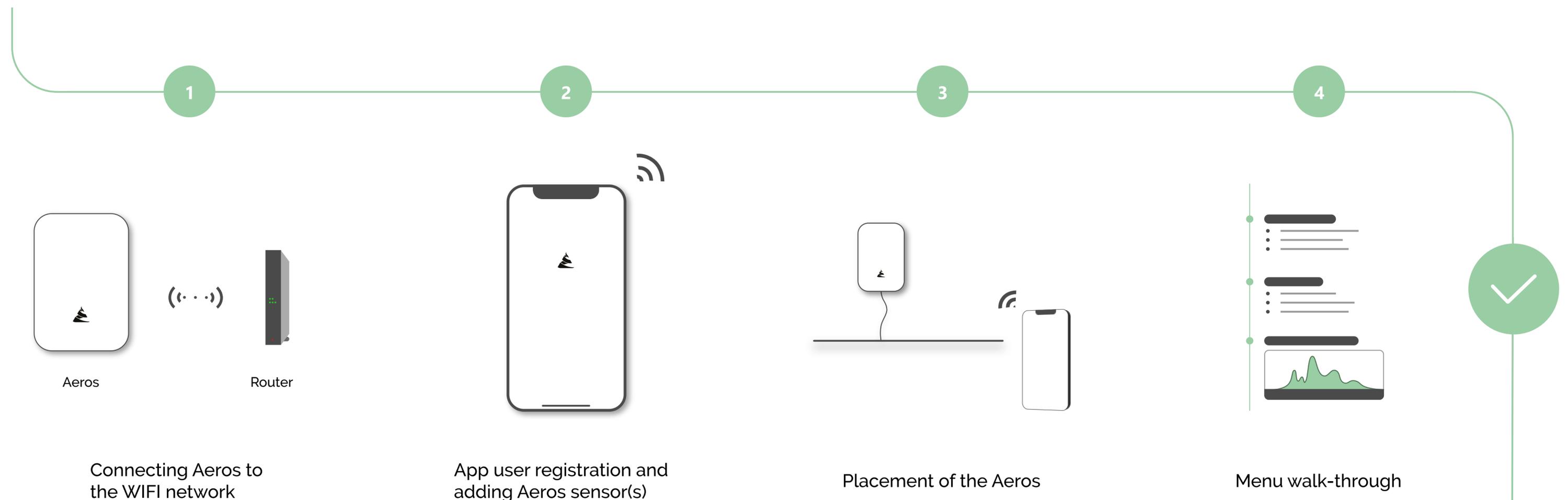
Aeros Installation Manual

1. Connecting Aeros to a WIFI-Network
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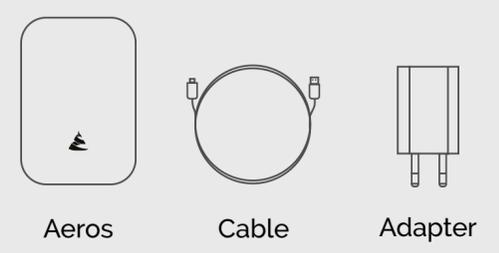
Download The App



Instructions for Aeros installation



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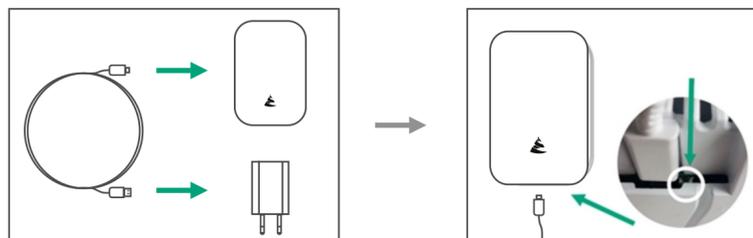
**Air quality under control.
Knowledge by measuring!**



Connecting Aeros to the WIFI network

1. Connect the Aeros with the supplied cable and adapter

The cable contains a USB-A and mini-USB output. Connect the USB-A output with the adapter and the mini-USB output with the Aeros. The set-up is now complete and activation can begin.



2. Activate the Eros with the on / off button

Now the Aeros can be activated. Plug the power cord into an electrical outlet. The power button is located immediately to the right where the cable connects to the Aeros.

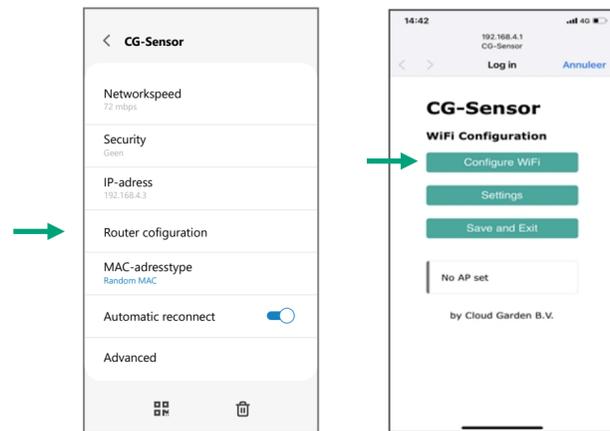
For example, use a ballpoint pen to turn it on. Press the small switch with the ballpoint pen twice. The Aeros is activated when the lighting of the device emits white light.



3. Log into the WIFI network

In order to be able to view the values measured by the Aeros on a smartphone or tablet, the Aeros must be logged on to the Wi-Fi network of the room whose indoor climate is to be measured.

Go to wifi settings on your mobile phone or tablet, select the the wifi option. You will now see the available networks. Select the "CG sensor" option.



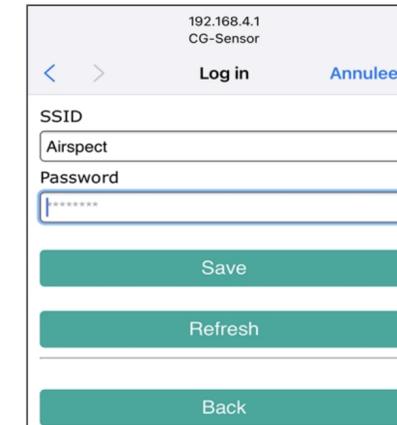
Android

IOS

4. Select the WIFI network

Now select the Wi-Fi network where you place the Aeros. Now enter the password of this WiFi network.

The Aeros will now automatically log in to the selected network. This can take up to one minute.



5. Successful connection with WIFI network

The Aeros is ready when the light flashes once and then stays green.

The Aeros is now successfully connected to the WiFi network, which enables the connection with your mobile device via the Aeros app.



6. Support

In exceptional cases, Eros may not log in on the first attempt. If that happens, you will need to repeat this step.

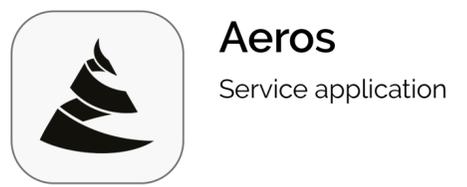
If login is unsuccessful after several attempts, check if a firewall is installed on the computer, etc. It is quite possible that access to Eros is being blocked by setting the firewall. If so, you will need to change the firewall settings for accessing Eros. Ask your system administrator for help. If you get red blinking lights, the password is probably incorrect.

App user registration

1. Find the Aeros App

Go to the Apple store or Google play store. Find the App named "Aeros".

You must download and install this App.

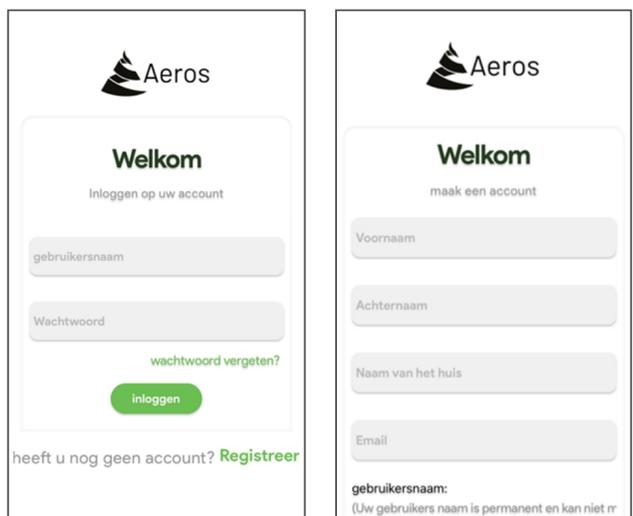


2. Log in and register

To use the App, you must first register by clicking on "Register" and fill in your details to create an account.

If you are already registered, select the option "Login".

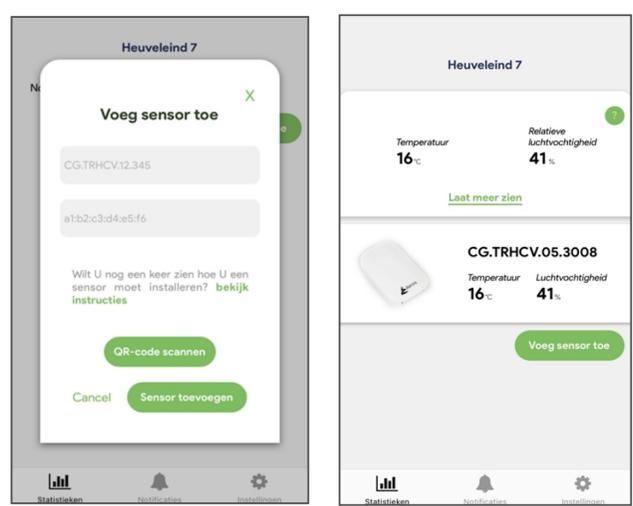
Forgot your password? Click this button if you have forgotten your password. You will receive an email so that you can enter a new password.



3. Connecting Aeros Sensor

Press "Add sensor". Now go to "scan QR code" and activate the camera. The QR code is located on the back and side of the Eros.

Now the Aeros has been scanned and you will see this screen. Press "Add sensor". The sensor will then be added to the Aeros app.



Placement of the Aeros Sensor

Complete Aeros installation

Now we are going to place the Eros. Preferably in the center of a room. Use the 2 adhesive strips to attach the Eros. If you want to connect the Eros to low voltage, that is also possible. Below advice for an optimal result.

- Power outlet with permanent power supply (eg. Not behind a light switch)
- The climate sensor must be installed at a height of 1.50 - 1.80 meters
- The climate sensor must be mounted on a flat wall
- The climate sensor must not be mounted on metal surfaces
- Not too close to a window, door or in a draft
- Do not install in a place where direct sunlight can hit the climate sensor

Menu explanation

Support Aeros use

The Eros measures 5 parameters of the indoor climate. Temperature / Relative Humidity / TVOC / Co 2 and Particulate Matter on 4 channels.

i Press for more information about the parameters.

The Eros gives a score for comfort (Temperature and Relative Humidity) and health (TVOC-Co 2 and Particulate matter). Press the text eg Co 2 to enter values for a specific channel. The red dotted line indicates a limit value and the orange is a warning line.

With notifications you can see the messages regarding the indoor climate. This helps you to keep the indoor climate clean and safe. You also have the choice to receive push notifications, turn them on or off via the green pencil in the settings. These are the most urgent and important notifications.

← If you stay logged in and you want to refresh the data, you must use this button.

Knowledgebase

Type	Description
Particulate matter / PM	Collective name for the small particles in the air. It is invisible to the naked eye. Almost all human activities produce particulate matter, such as cooking and driving a car. The smaller the particle, the more harmful to health. PM 1 (Parts per million) is referred to as ultra-fine particles. Ultra-fine dust enters the lungs and is extra harmful for children and adults with lung diseases. The WHO standards for particulate matter are PM 10 and PM 2.5 and have a limit value of 50 ug (micrometres) m ³ and 25 ug m ³ respectively.
Relative humidity	The ratio between the amount of water vapor present in the air and the maximum amount that could enter it. A percentage between 40% - 60% is ideal. Too high a humidity can cause mold to form. Too low a humidity is unfavorable for the condition of mucous membranes, eyes, nose and throat. It can also lead to reduced resistance to infections.
TVOC	Collective term for a group of hydrocarbons that evaporate easily. These chemicals are found in other building materials, cleaning products and paint. Short-term exposure causes irritation to eyes and mucous membranes. At high concentrations cannot be ruled out for health effects on organs. A value below 500 PPB (parts per billion) is ideal. Values above 1000 PPB should be avoided.
CO ₂	Carbon dioxide (CO ₂) is a gas naturally present in the atmosphere. The CO ₂ content is expressed in PPM (parts per million). Too much CO ₂ displaces the oxygen intake in our body. As a result, the body switches to a bearing energy expenditure, leading to fatigue, headaches and loss of concentration. The ideal concentration of CO ₂ in the air is 400 to 800 ppm and the limit value is set at 1200 ppm.
Temperature	A measure of how hot or cold the air is. The ideal temperature is between 19 and 24 degrees.