airea

by **ROBOT**BAS

Wi-Fi Configuration

1. Connect the Airea sensor to the power through the power cable.
2. Once Airea turn on blue, you have 3 minutes to configure the device's Wi-Fi connection.
3. Using a mobile device, access the Wi-Fi Settings section and search for the Airea network (the name of the access point is "airea_serialnumber*").
4. A window will automatically open in which you have to select "Configure Wi-Fi". In this section, connect Airea to the desired Wi-Fi network and enter the password.
5. If the configuration window does not appear automatically, you can configure Airea by typing the following IP address in your web browser: 192.168.4.1
6. If the device is connected correctly, Airea will emit an acoustic signal, and after one minute, it will start working, turning on green.

* you can find the serial number of your Airea at the bottom of the sensor.

For more information about the configuration, you can consult the explanatory videos at **www.robotbas.com/en/airea/**

Airea Sensor Plataform

To access the Airea Sensor platform, enter the address **www.aireasensor.com** in your web browser.

Register a user
Fill in the form available at **www.aireasensor.com** and accept the conditions of use. You will receive and email to verify user activation. Registration is completely free and allows you to manage and analyze the data acquired by your Airea devices.

Register a device
Once a project has been created on the Airea Sensor platform, you can add as many devices as you want by entering the **Sensors > Add Sensor** section.

You will need the serial number and the sensor key that you can find at the bottom of your device.

Note: To add a device that has already been linked, it will be necessary to remove it before from the project

Reset

To reset Airea, press the Reset button located on the bottom of the device during two seconds.
Once reset, the device will turn on blue and after one minute, the device will start to work turning on green.

Factory reset

⚠ The factory reset means that the device will erase the preconfigured Wi-Fi network credentials from its memory, and will set the default threshold parameters at 800ppm for yellow lighting and 1000ppm for red lighting.

To restore factory defaults, press the Reset button located on the bottom of the device during ten seconds. Once reset, the device will turn on blue and you can begin the process of setting up the new Wi-Fi connection.

Contact

If you have any questions, complaints or breakdowns, you can get in touch sending an email to sat@robotbas.com

www.robotbas.com

Description

Airea is a sensor that allows knowing the quality of the air indoor.

Through colour lighting, Airea indicates the air quality indoor, based on the CO_2 (as the main indicator). The device has three brightness levels and an acoustic signal that can be customized on the Airea Sensor platform.

The green colour indicates that the CO_2 value is at normal levels (by default below 799ppm).

The air quality is decreasing and therefore it is recommended to ventilate the room as soon as possible (by default between 800 and 999 ppm).

The CO_2 level has reached the recommended maximum and it is urgent to ventilate the room. After a while, if the space has not been ventilated, an acoustic signal will be activated warning of the urgency to ventilate (by default from 1000 ppm).

The parameters can be customized through the **Airea Sensor** platform.

1 Infrared CO_2 sensor that allows to measure the real CO_2 concentration in ppm.

2 Wi-Fi connection with the cloud, historical record and multiplatform access.

3 High-power digital omnidirectional RGB lighting and built-in acoustic signal.

4 TVOC (Total Volatile Organic Components) sensor.

5 Connection to electric power through an external power cable (included).

6 Temperature and relative humidity sensor.
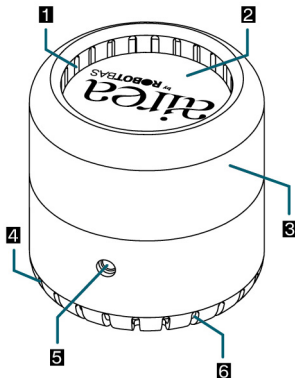
For more information and recommendations, you can consult our web **www.robotbas.com/en/airea/**

Specifications

Measuring ranges

Variables	Range	Accurancy
CO_2 (NDIR)	400ppm - 10.000ppm	± 50ppm
Temperature	5 - 45 ºC	± 1 ºC
Rel. Humidity	0 - 100%	± 5%
TVOC	0 - 1187 ppb	± 100ppb

Product specifications

Power Supply	$5 V_{DC}$ / 1 A
Wi-Fi	Frequency 2.4 GHz
	Power 13 - 20 dBm
Dimensions	67 x 60 x 60 mm
Grade protection	IP 20

Environmental conditions

Operating conditions	+5 to +45 ºC
	10 to 95% HR
Storage conditions	-5 to +70 ºC
	10 to 95% HR

Indications

Recommendations
- **Place the device between** 90cm and 180cm height from the ground.
- **Place** the device near air conditioning returns or in airflow passages.

Contraindications
- Do not immerse in liquids.
- Do not use outside the ranges of temperature and humidity recommended in the specifications.
- Do not expose to chemicals such as paints, sprays, etc.
- Do not disassemble, hit or damage the device.
- Not suitable for outdoor use.

Recalibration
- Recalibrate the Airea sensor device every 6/12 months. To do this, put the device in operation in a highly ventilated area and press the Reset button located on the bottom of the device during twenty seconds. Airea will turn on green with a red flicking LED light. The recalibration, which takes about one hour, will finish when Airea restarts turning on blue.

Notice
- If the device has been transported by air, is possible that the sensor may need 72 hours to restore and function properly.

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