

AI-2003W & AI-2004W

Quick Installation Guide

09-2019 / v1.0

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Contents

I. Safety Information	3
II. Product Information.....	4
II-1. Package Content.....	4
II-2. LED Indicator	5
II-3. Hardware Introduction	7
II-4. System Requirement	8
II-5. Total Air Quality Solution Structure.....	9
III. Installation.....	10
III-1. Hardware Installation	10
III-2. Air Circulator Setup via Bluetooth	11
III-3. Smart App Installation	13
III-4. Android OS	14
III-5. iOS	17
III-5. Deploying the Unit.....	21
IV. Reset to Factory Default Settings	24
V. Cleaning the Unit.....	25
V-1. Air Pump Cleaner.....	25
V-2. Dust-off Canned Compressed Air	26

I. Safety Information

For effective sensing and retrieval of environmental data, please install the unit with the safety restrictions outlined below:

1. Must be in locations with good air circulation.
2. Must be positioned for proper air intake to achieve cross ventilation.
3. The air inlet must be kept clear and should be rechecked regularly.
4. Must be in locations close to a power supply and has good Wi-Fi internet signal capable of connecting to the Internet 24 hours a day, 7 days a week.
5. Must not be installed in locations that are subject to extremes of humidity or temperature such as near fire or other heat sources.
6. Must not be installed in locations directly exposed to sunlight or reflected light source.
7. Must not be installed in corrosive environments such as in environments with salty, acidic or basic air, or places with storage of corrosive liquids.
8. Do not inject gas, contaminants, or smoke directly into the unit, or install the unit in a location prone to the aforementioned actions.



Unable to follow the above-mentioned guideline may reduce machine lifetime.

You can find all supporting documents from the link below or via QR Code:

<https://www.edimax.com/download>



(Once you've visited the Edimax official website, please enter model no. "AI-2003W or AI-2004W" into the search box to search for your product.)

Download

To select your product and find related download materials, enter the model number into the search box on the right side or follow the simple steps below:

*Feel free to contact us anytime if you need help or if you can't find your product.

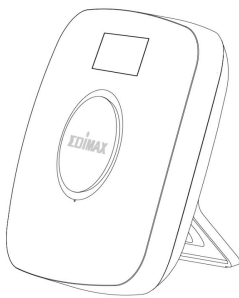
Model no. 

How do I find the model number?

II. Product Information

The AI-2003W (7-in-1) & AI-2004W (8-in-1) Multi-Sensor Indoor Air Quality Detector is your best air quality solution – with visible figures/display that intuitively simplifies data reading to aid the improvement of indoor air quality for homes, schools, healthcare institutes, smart buildings and smart city projects.

II-1. Package Content



***Air Quality Detector
(AI-2003W or AI-2004W)***



Device Stand



Quick Installation Guide

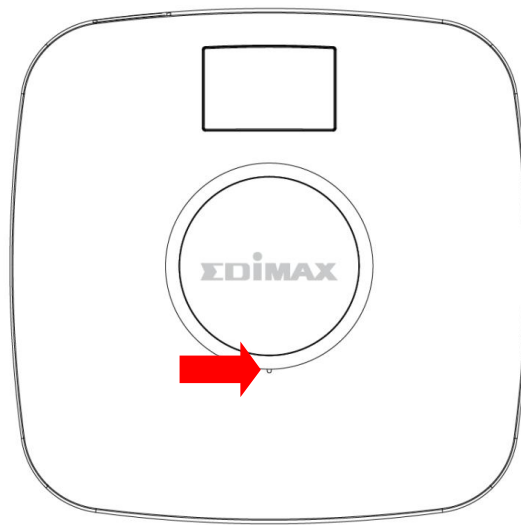


Power Adapter (12V/1A)

II-2. LED Indicator

1. LED Status

LED	Color	LED Status	Description
System Status	Red	Flash	Waiting to be wirelessly paired
		On	Device is booting up
	Green	Flash	Wi-Fi is operational but not connected
		On	Wi-Fi setup successful
	Blue	On	Device connected to the Internet

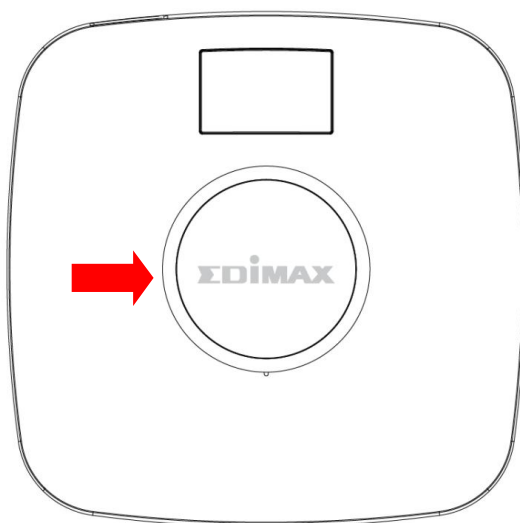


2. LED Ring

Air quality LED and consolidated air quality LED can be turned on or off.
By default, the LED is turned on.

To turn on / off the LED, press and hold the center button for 5 seconds.

LED	Color	LED Status	Description
Consolidated Air Quality & AirBox Status	Green	On	Consolidated air quality: Good
	Blue		AirBox in default
	Red		Consolidated air quality: Unhealthy

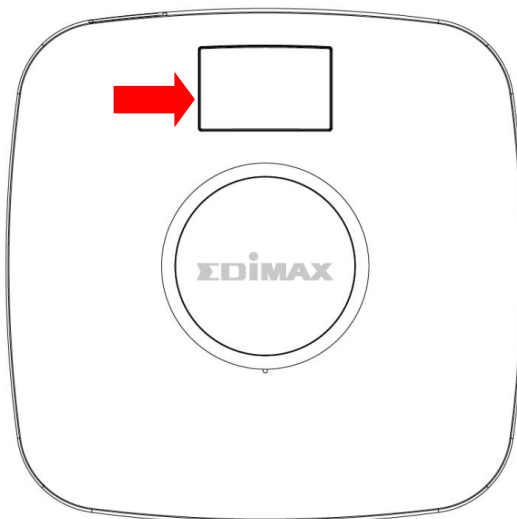


System Status LED will always be on (flashing or stayed on) when the unit is powered.

3. OLED Display

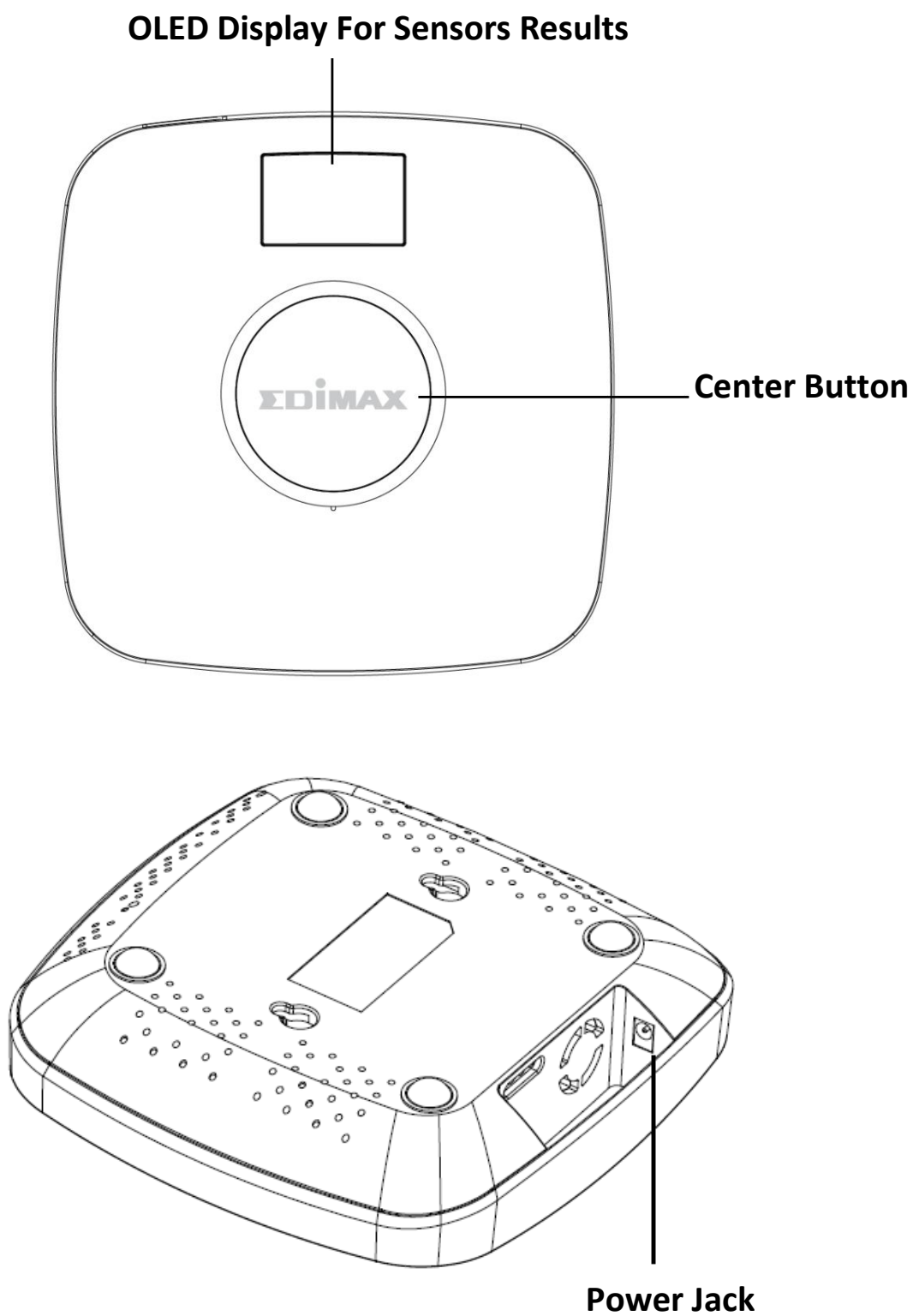
OLED Display shows the following info:

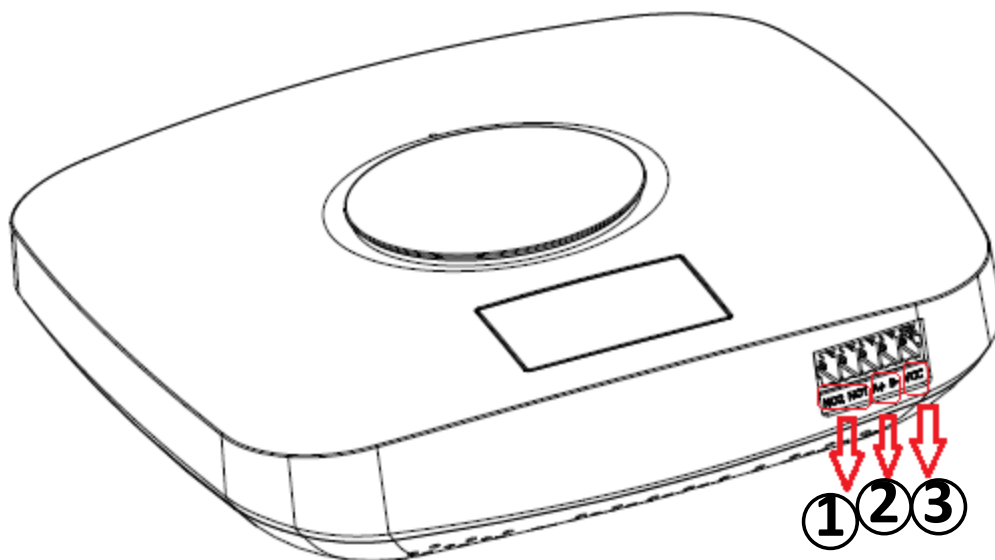
- CO₂
- Temp.
- Humi.
- HCHO
- CO
- TVOC
- PM_{2.5}
- PM₁₀



II-3. Hardware Introduction

1. Hardware Interface





Connector:

1. NO1 and NO2 pin for Air Circulator
2. A+ and B- pin for Signal Board
3. VCC pin (Voice Controlled Carrier)

*** VCC (5V) controls NO1 and NO2.**

*** Only support 2 ports Air Circulator.**

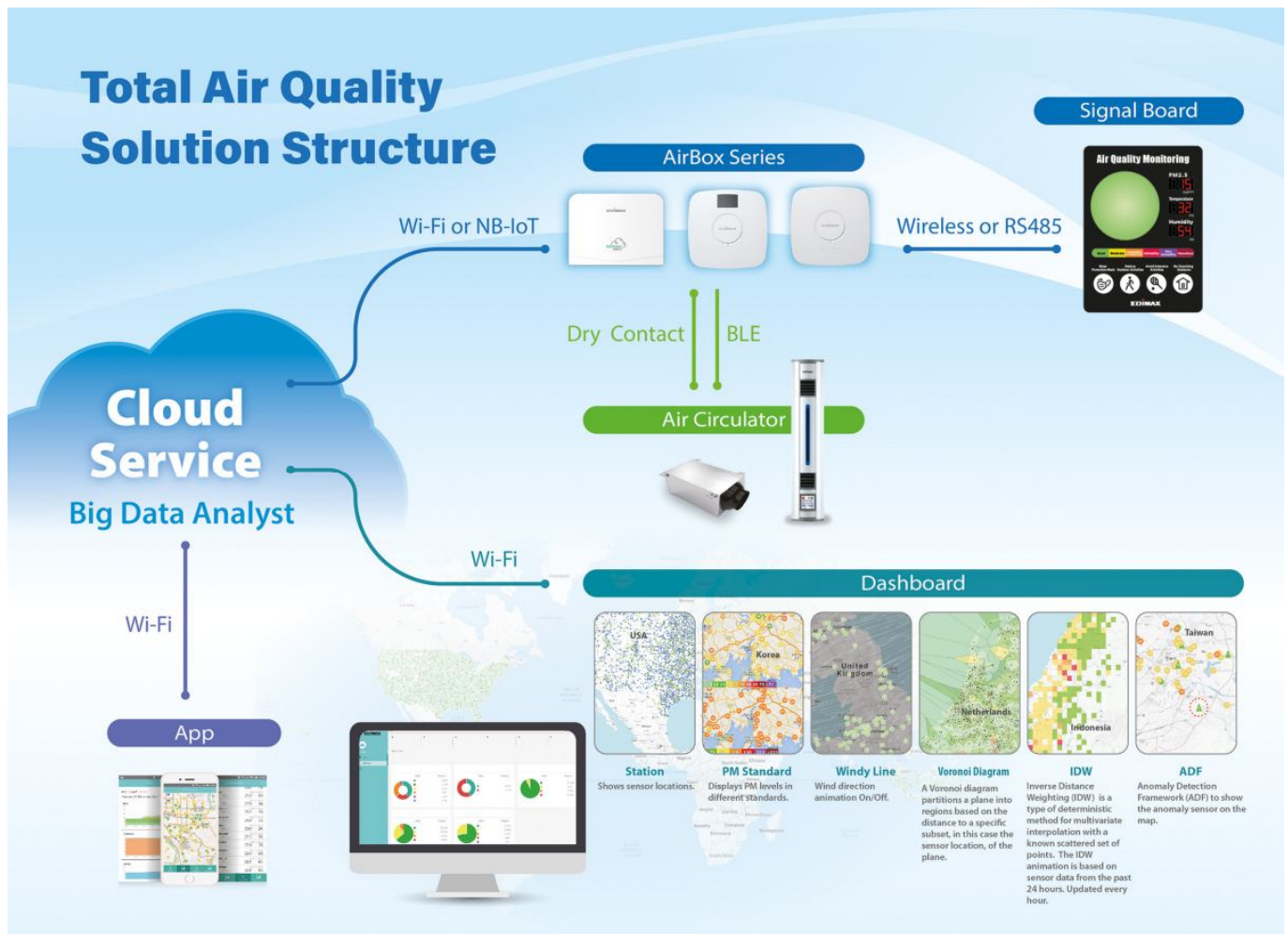
Built-in Sensor

Model	Sensors							
	PM _{2.5}	PM ₁₀	CO ₂ (NDIR)	CO	TVOC	HCHO	Humidity	Temperature
AI-2003W	v	v	v		v	v	v	v
AI-2004W	v	v	v	v	v	v	v	v

II-4. System Requirement

- Internet with Wi-Fi Connection (802.11n)
- Computer or mobile device with web browser
- EdiGreen Plus account: Please contact your distributor or SI, where you purchased the device, to claim the EdiGreen Plus account "Email and Password".

II-5. Total Air Quality Solution Structure



***AI-2003W and AI-2004W only support Wi-Fi connection.**

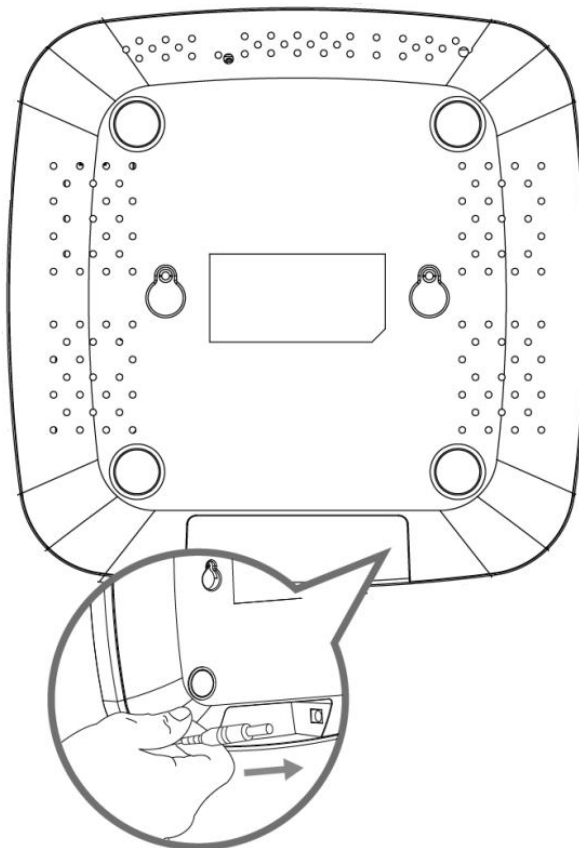
***3rd party air circulator support is for specific project only.**

III. Installation

This section will guide you through the steps to connect your air quality detector to the Internet.

III-1. Hardware Installation

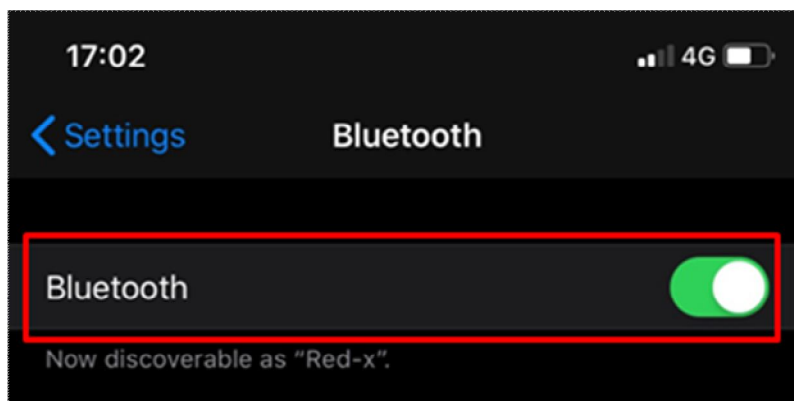
1. Please connect the power adapter to the unit (demonstrated on the left) and a power socket.
2. Please wait a moment for the device to boot up. Proceed to the Internet connection procedure when the System Status LED starts flashing in Red.



III-2. Air Circulator Setup via Bluetooth

You can connect the air circulator to the EdiGreen Plus via Bluetooth.

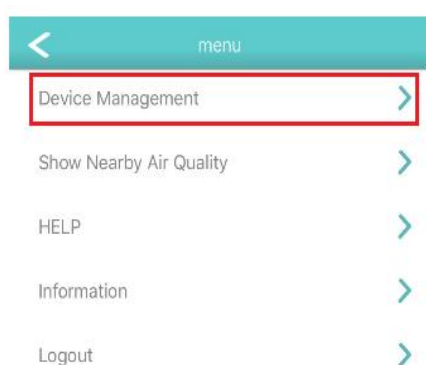
NOTE: Please make sure to turn on the Bluetooth of your phone.



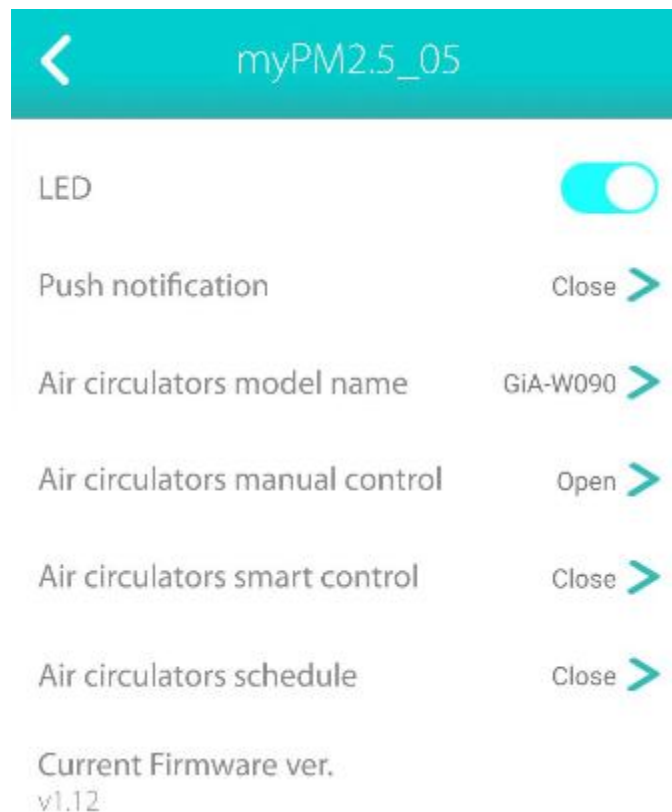
Device Management:

Please go to menu and tap “Device Management”.

Device management allows users to remotely configure or upgrade firmware enrolled devices such as AirBox or Air Circulator. Please choose one of the Airbox in the list:



There are several options for your Air Circulator, please refer to below picture for more details,



III-3. Smart App Installation

Search and download "**EdiGreen Plus**" in **Apple App Store** or **Google Play Store**. Launch the "**EdiGreen Plus**" in your smart mobile device.

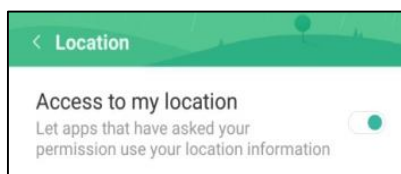


For Internet connection procedure, please follow the instructions below according to your mobile device

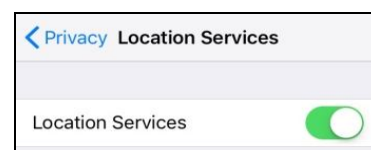
Please make sure...

- "Access to my location" is turned on.

Android OS



iOS



- Your mobile device is able to connect to your home's Wi-Fi network or whichever network you anticipated the detector to connect to. Please make sure this network has internet connectivity.
- If you have trouble setting up AI-2003W & AI-2004W via Wi-Fi, please turn off your mobile device 4G connection.

Please follow the steps below to set up EdiGreen Plus on your phone:

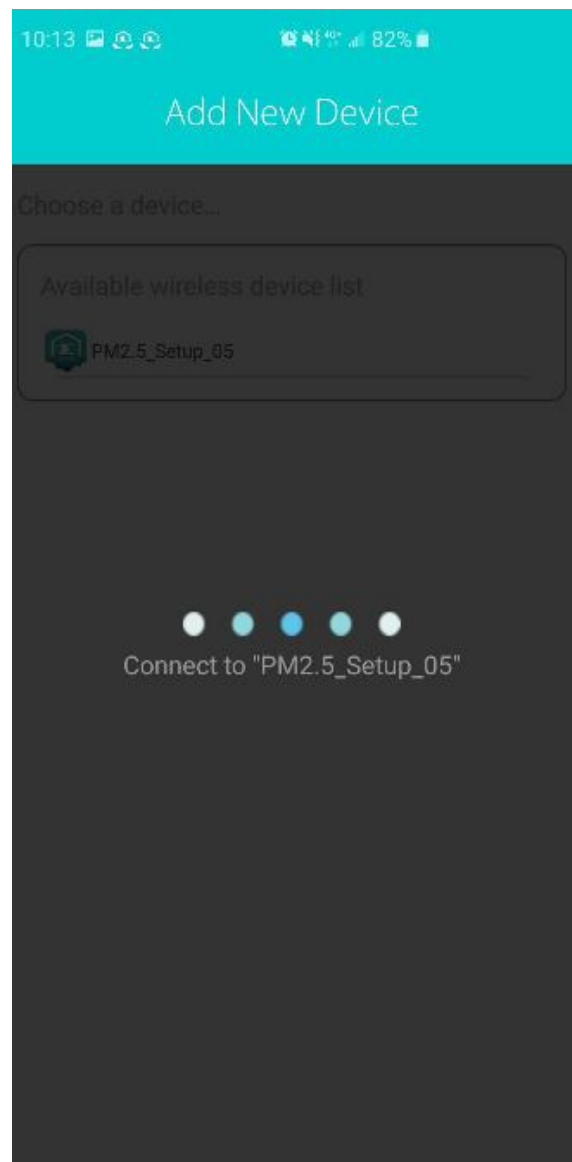
- Before starting the EdiGreen Plus, please contact your distributor or SI, where you purchased the device, to claim the EdiGreen Plus account “Email and Password”.
- Go to your mobile device’s Wi-Fi settings, and connect to the Wi-Fi. Please make sure this network has internet connectivity.

III-4. Android OS

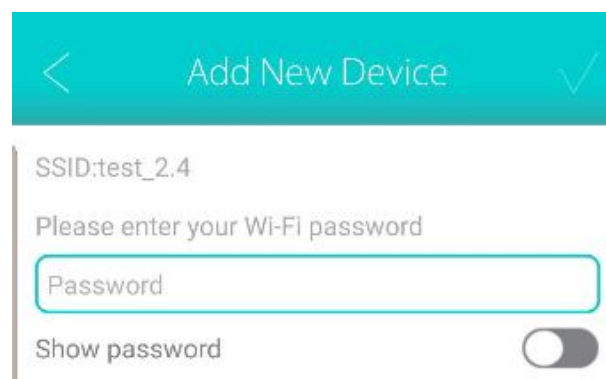
- i. Open the EdiGreen Plus, and enter your “Email and password” to log in.
- ii. Tap “Setup”.



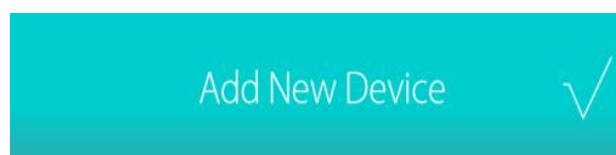
- iii. The app will start searching for available device. Tap the desired Wi-Fi network.



- iv. Enter the Wi-Fi password and tap  to continue.

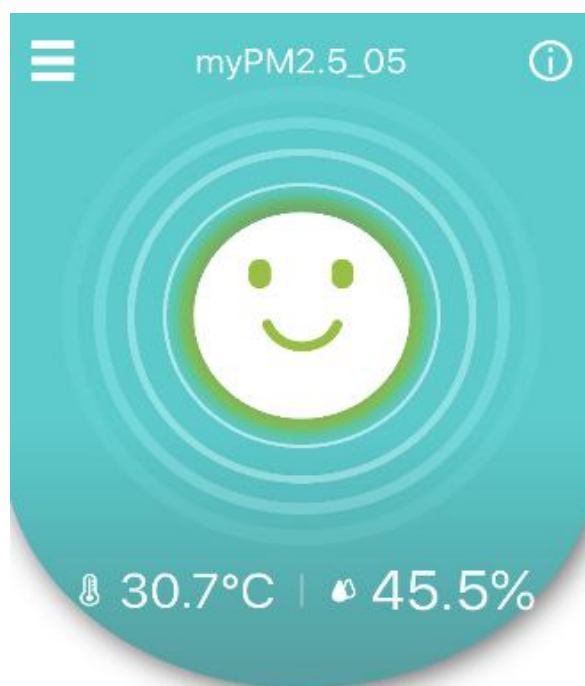


- v. Please wait a moment for the setup process.
- vi. Setup Complete! Now you are able to monitor the air quality near your unit with your mobile device anywhere (as long as you have access to the Internet).



Setup successful.

Your device has been installed successfully and will now disconnect from your phone, please wait 5 to 10 minutes to update.



PM2.5
7.0
 $\mu\text{g}/\text{m}^3$ 😊

PM10
7
 $\mu\text{g}/\text{m}^3$ 😊

CO2
644
ppm 😊

HCHO
0.00
ppm 😊

CO
0
ppm 😊

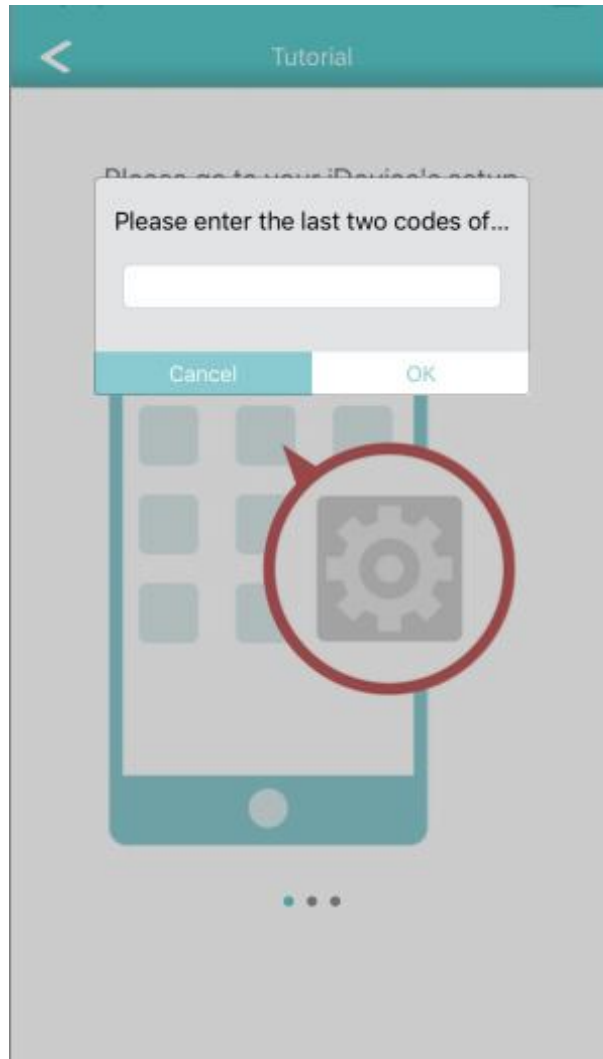
TVOC
0.02
ppb 😊

III-5. iOS

- i. Open the EdiGreen Plus, and enter your “Email and password” to log in.
- ii. Tap “Setup Device” .



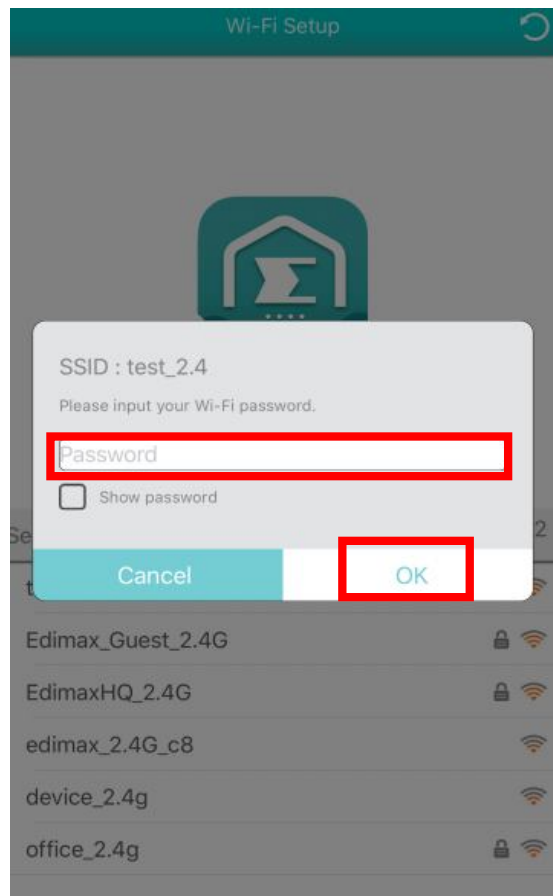
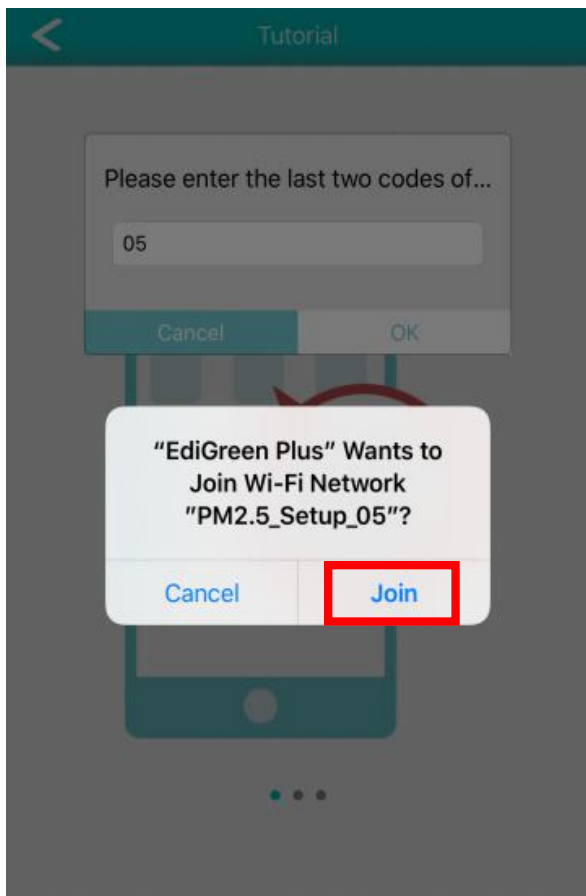
- iii. Enter the last two digits of your AirBox.



Please find the unique SSID of your detector on the product label. The final 2 digits ** of the SSID "AirBox_Setup_**" is the final two digits of the detector's "Setup WiFi SSID".

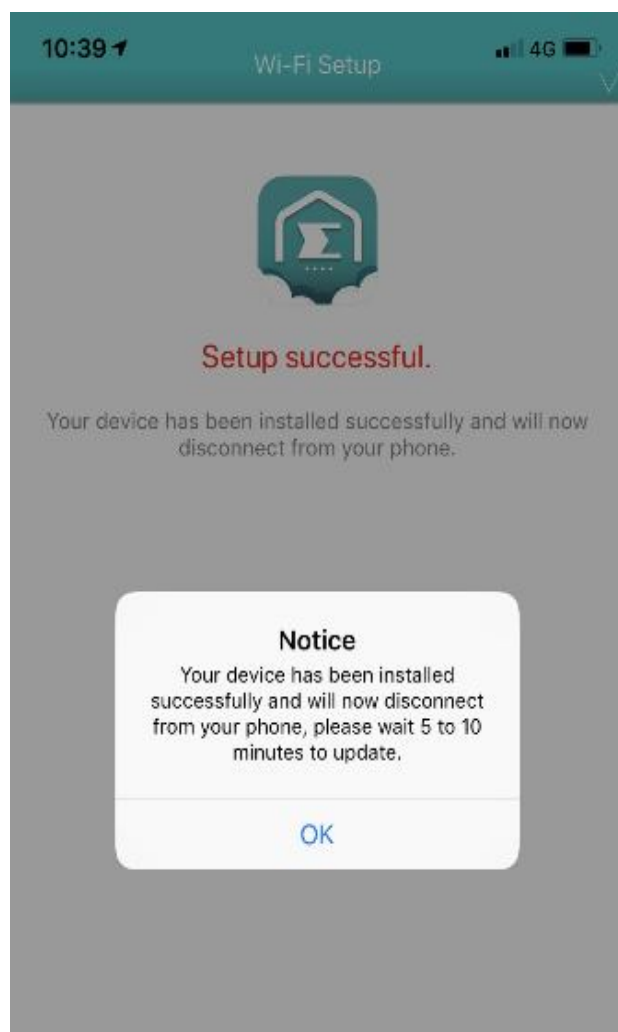


- iv. Press Join
- v. The app will start searching for available Wi-Fi network for the detector. Tap the desired Wi-Fi network and enter the Wi-Fi password and press OK to continue.



Select Wi-Fi	FW:v1.12
test_2.4	
Edimax_Guest_2.4G	
edimax_2.4G_c8	
EdimaxHQ_2.4G	
office_2.4g	
device_2.4g	

- vi. Please wait a moment for the setup process.
- vii. Congratulations! Your AirBox and Edigreen Plus is up and running!



Note: The system status LED of AirBox should be turned on in **blue**.

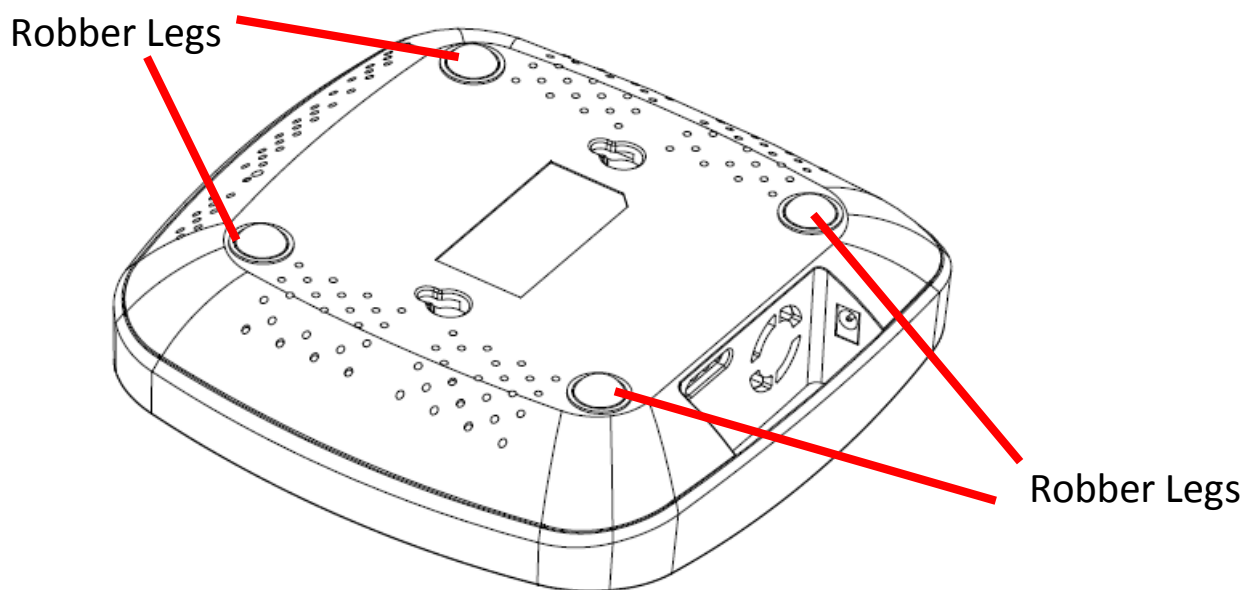
III-5. Deploying the Unit

After connecting to the Internet (and your mobile device's EdiGreen Plus app), you can choose how to place your air quality detector.

1. Rubber Legs

The rubber legs (shown below) act as shock prevention and anti-slide support.

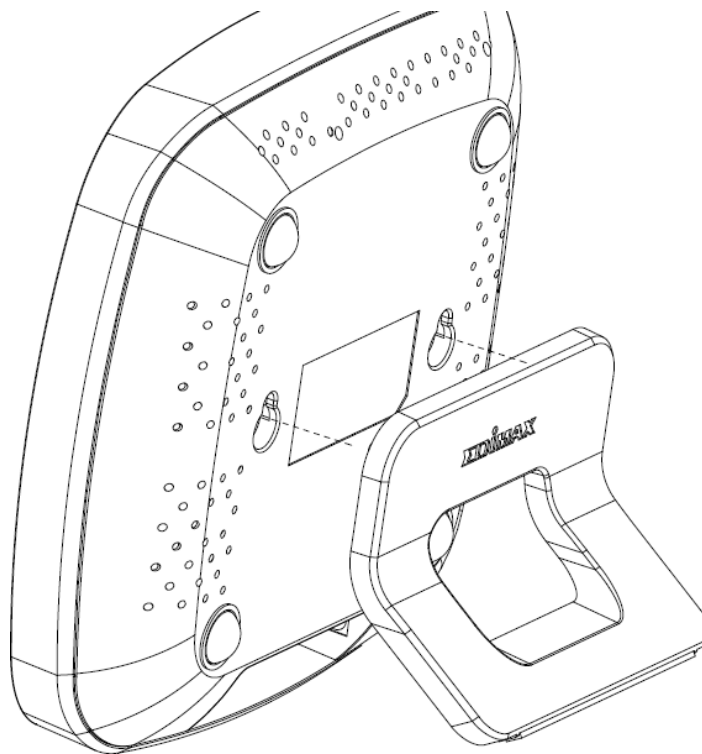
- i. Simply place the unit with the center button facing upwards on a bench or flat surface.



2. Using Device Stand

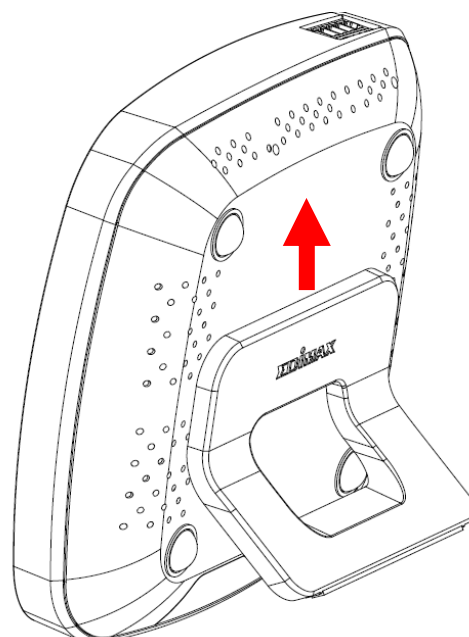
Use the Device Stand to hold the device on a surface.

- i. Locate the anchors on the Device Stand and the anchor holes on the device. Insert the anchors into the device.

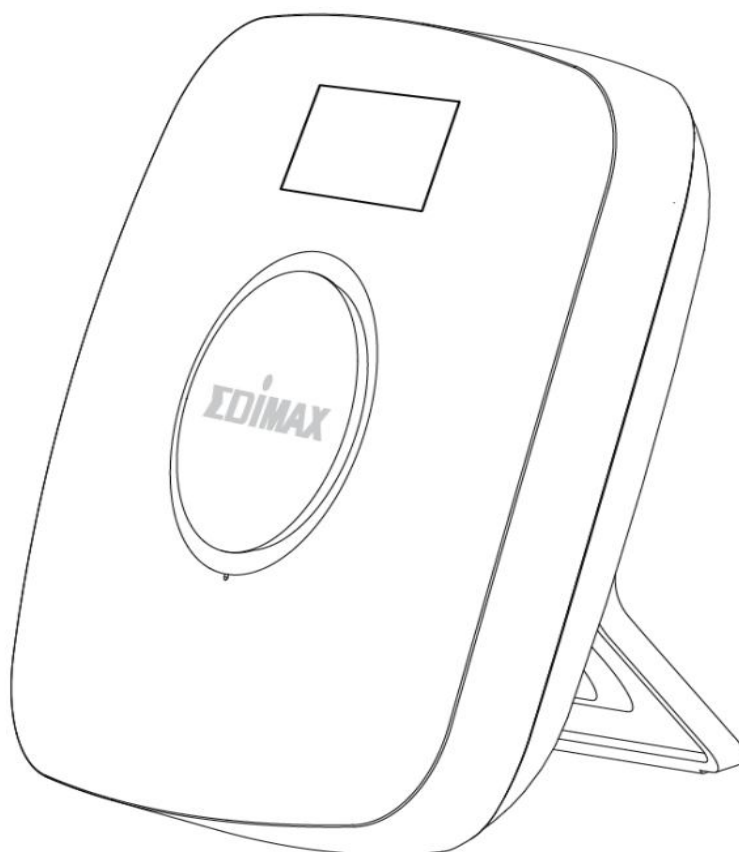


- ii. Push the anchors towards the smaller ends of the anchor holes to fix the Device Stand.

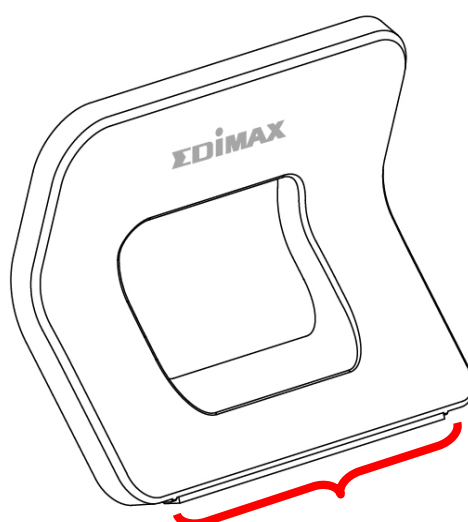
Smaller end of
anchor hole



- iii. Place the unit at your desired location in the position shown below:



The bottom of the stand has rubber to act as anti-slide support.



Anti-slide rubber

IV. *Reset to Factory Default Settings*

If you experience problems with the device, try rebooting it by reconnecting the power. If rebooting does not work, try resetting it back to its factory default settings. This resets all settings back to the default settings.

To perform a factory reset, please follow steps below:

1. Press and hold the center button (indicated in the picture below) for at least 10 seconds until **System Status LED** shows up **Red** light. After that, you can release it.
2. Please wait for at least 15 seconds for the device to reset.

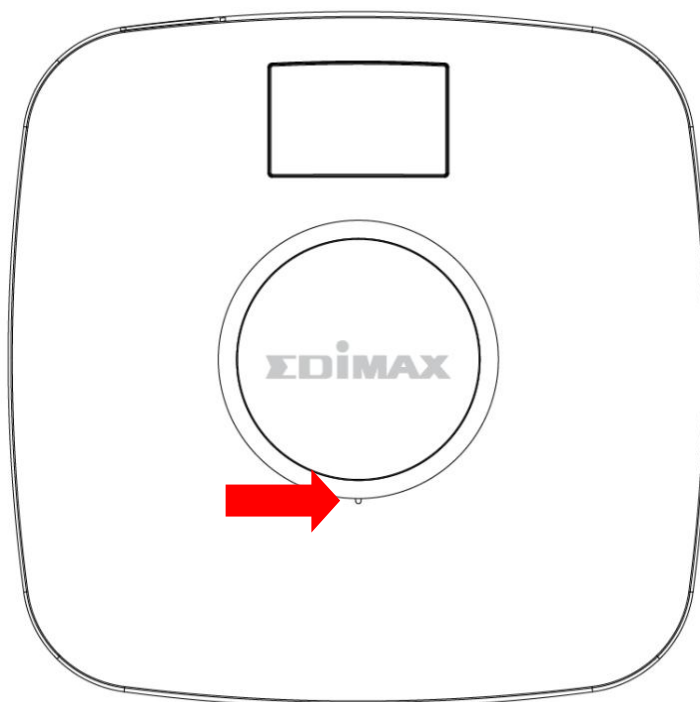
System Status LED:

Red Lights (flashing rapidly): If the LED is **Red** and is flashing rapidly, then that is the sign of factory reset.

Red Lights (flashing slowly): If the LED is **Red** and is flashing slowly, then it means the AirBox is restored to factory.



The device would not reset if you try factory resetting it after 3 minutes of reconnecting power. Please try within 3 minutes of reconnecting power.



V. Cleaning the Unit

Choose either of the two options below depending on the cleaning tool you have.



If you have other pump-like cleaning tools available (e.g. for computers), you may also utilize them. Please be careful to not exert extremes of force or temperature / humidity onto the sensors to prevent damaging them.

It is recommended to clean the sensors every 3-6 months for maximum sensor functionality.

V-1. Air Pump Cleaner



A general air pump cleaner of maximum diameter 55mm and length 150mm will be sufficient.

1. Direct the nozzle of the air pump cleaner at an opening (Figure 1 or Figure 2) of a sensor.
2. Squeeze the bulb to blow air at the sensors.
3. Do this for 5-10 times and make sure all sensor openings are cleaned.

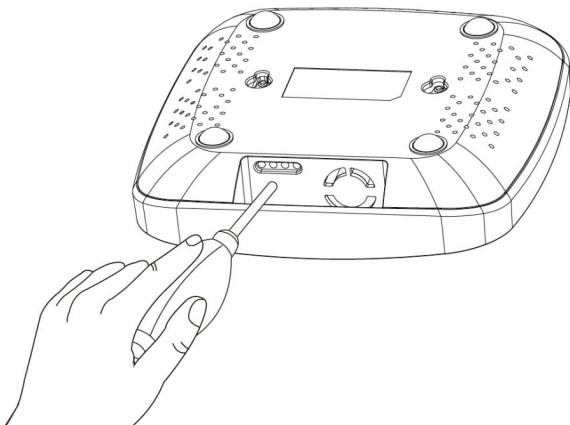


Figure 1

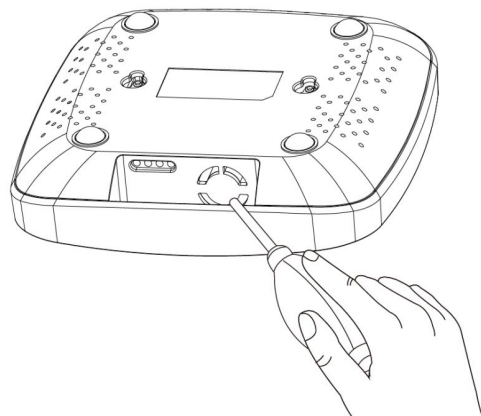


Figure 2

V-2. Dust-off Canned Compressed Air



A general dust-off compressed air will be sufficient.

1. Direct the nozzle of the compressed air at an opening (Figure 3 or Figure 4) of a sensor.
2. Keep the nozzle at 10cm from the sensor opening.
3. Use *short bursts* (1-2 seconds) of air spray *a few times* to clean the sensor.
4. Make sure all sensor openings are cleaned.

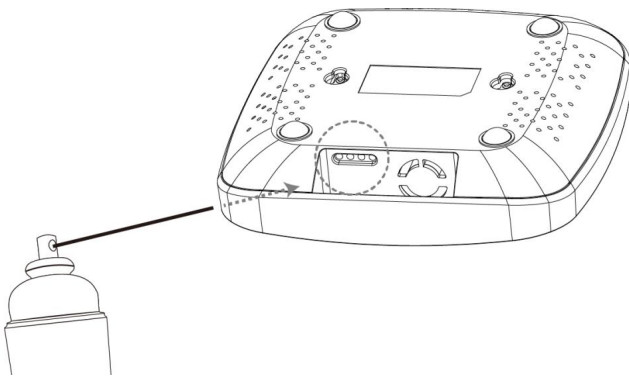


Figure 3

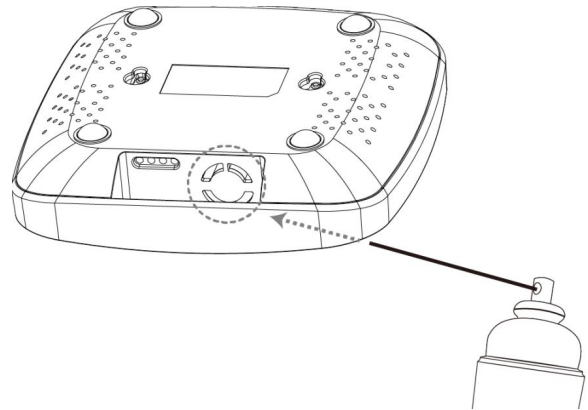


Figure 4

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The product you have purchased and the setup screen may appear slightly different from those shown in this QIG. The software and specifications are subject to change without notice. Please visit our website www.edimax.com for updates. All brand and product names mentioned in this manual are trademarks and/or registered trademarks of their respective holders.

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio technician for help.

FCC Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

Federal Communications Commission (FCC) Radiation Exposure Statement

This equipment complies with FCC radiation exposure set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm (1 inch) during normal operation.

RED Compliance Statement

Compliance with 2014/53/EU Radio Equipment Directive (RED)

In accordance with Article 10.8(a) and 10.8(b) of the RED, the following table provides information on the frequency bands used and the maximum RF transmit power of the product for sale in the EU:

Frequency range (MHz)	Max. Transmit Power (dBm)
2412-2472MHz (Wi-Fi)	19.62 dBm
2402-2480MHz (BLE)	1.97 dBm

A simplified DoC shall be provided as follows: Article 10(9)

Hereby, Edimax Technology Co., Ltd. declares that the radio equipment type **Indoor Air Quality Detector** is in compliance with Directive 2014/53/EU

The full text of the EU declaration of conformity is available at the following internet address: <http://www.edimax.com/edimax/global/>

Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

EU Countries Intended for Use

The ETSI version of this device is intended for home and office use in Austria, Belgium, Bulgaria, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Turkey, and United Kingdom. The ETSI version of this device is also authorized for use in EFTA member states: Iceland, Liechtenstein, Norway, and Switzerland.

EU Countries Not Intended for Use

None

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

EU Declaration of Conformity

- English:** This equipment is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU, 2014/35/EU.
- Français:** Cet équipement est conforme aux exigences essentielles et autres dispositions de la directive 2014/53/EU, 2014/35/EU.
- Čeština:** Toto zařízení je v souladu se základními požadavky a ostatními příslušnými ustanoveními směrnic 2014/53/EU, 2014/35/EU.
- Polski:** Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE 2014/53/EU, 2014/35/EU.
- Română:** Acest echipament este în conformitate cu cerințele esențiale și alte prevederi relevante ale Directivei 2014/53/UE, 2014/35/UE.
- Русский:** Это оборудование соответствует основным требованиям и положениям Директивы 2014/53/EU, 2014/35/EU.
- Magyar:** Ez a berendezés megfelel az alapvető követelményeknek és más vonatkozó irányelveknek (2014/53/EU, 2014/35/EU).
- Türkçe:** Bu cihaz 2014/53/EU, 2014/35/EU direktifleri zorunlu istekler ve diğer hükümlerle ile uyumludur.
- Українська:** Обладнання відповідає вимогам і умовам директиви 2014/53/EU, 2014/35/EU.
- Slovenčina:** Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc 2014/53/EU, 2014/35/EU.
- Deutsch:** Dieses Gerät erfüllt die Voraussetzungen gemäß den Richtlinien 2014/53/EU, 2014/35/EU.
- Español:** El presente equipo cumple los requisitos esenciales de la Directiva 2014/53/EU, 2014/35/EU.
- Italiano:** Questo apparecchio è conforme ai requisiti essenziali e alle altre disposizioni applicabili della Direttiva 2014/53/EU, 2014/35/UE.
- Nederlands:** Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van richtlijn 2014/53/EU, 2014/35/EU.
- Português:** Este equipamento cumpre os requisitos essenciais da Directiva 2014/53/EU, 2014/35/EU.
- Norsk:** Dette utstyret er i samsvar med de viktigste kravene og andre relevante regler i Direktiv 2014/53/EU, 2014/35/EU.
- Svenska:** Denna utrustning är i överensstämmelse med de väsentliga kraven och övriga relevanta bestämmelser i direktiv 2014/53/EU, 2014/35/EU.
- Dansk:** Dette udstyr er i overensstemmelse med de væsentligste krav og andre relevante forordninger i direktiv 2014/53/EU, 2014/35/EU.
- suomen kieli:** Tämä laite täyttää direktiivien 2014/53/EU, 2014/35/EU. oleelliset vaatimukset ja muut asiaankuuluvat määräykset.



WEEE Directive & Product Disposal



At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

Declaration of Conformity

We, Edimax Technology Co., Ltd., declare under our sole responsibility, that the equipment described below complies with the requirements of the European Radio Equipment Directive .

Equipment: Indoor Air Quality Detector

Model No.: AI-2003W/AI-2004W

The following European standards for essential requirements have been followed:

Directives 2014/53/EU

Spectrum : EN 300 328 V2.1.1 (2016-11)

EMC : EN 301 489-1 V2.1.1 (2017-02)
EN 301 489-17 V3.1.1 (2017-02)

EMF : EN 62311:2008

Safety (LVD) : IEC 62368-1:2014 (2nd Edition) and/or EN 62368-1:2014+A11:2017

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Signature:

Printed Name: David Huang

Title: Director

Edimax Technology Europe B.V.



Date of Signature: Oct., 2019

Signature:

A handwritten signature in black ink, appearing to read 'Albert Chang', written over a horizontal line.

Printed Name:

Albert Chang

Title:

Director

Edimax Technology Co., Ltd.

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