

AI-1001W V5

Quick Installation Guide

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I Installation Reminder / Safety Guide

For effective sensing and retrieval of environmental data, please install the unit in semi-outdoor spaces with certain safety restrictions outlined below:


- Must be in locations with good air circulation.
- Must be vertically positioned for proper air intake to achieve cross ventilation.
- The air inlet must be kept clear and should be rechecked regularly.
- Must be in locations close to a power supply and have good Wi-Fi internet signal capable of connecting to the Internet.
- Must be in well ventilated semi-outdoor spaces such as eaves of a house, verandah, balcony, porch, covered patios, etc..
- Must not be installed in locations that are subject to extremes of humidity or temperature such as near fire or other heat sources.
- Must not be installed in locations that are subject to extreme weather conditions such as typhoon, heavy rain or dust storm; or it must be sheltered from the conditions.
- Must not be installed in locations directly exposed to sunlight or reflected light source.
- Must not be installed in corrosive environments such as in environments with salty, acidic or basic air, or places with storage of corrosive liquids.
- Must be placed at least 100cm above ground.
- Do not inject gas, contaminants, or smoke directly into the unit.
- It is recommended to keep a 150m distance between each unit to achieve map positioning and air quality data accuracy.

If you wish to monitor a specific location, please also follow the restrictions above.

If you have any questions, please contact our technical support via email: service@edimax.com.tw.

II *Cleaning the Unit*

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

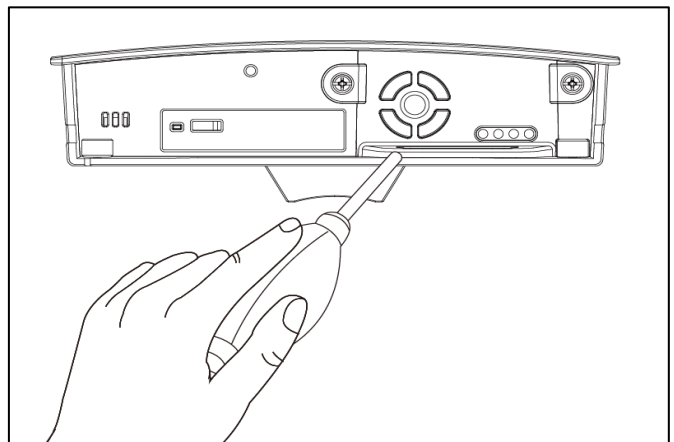
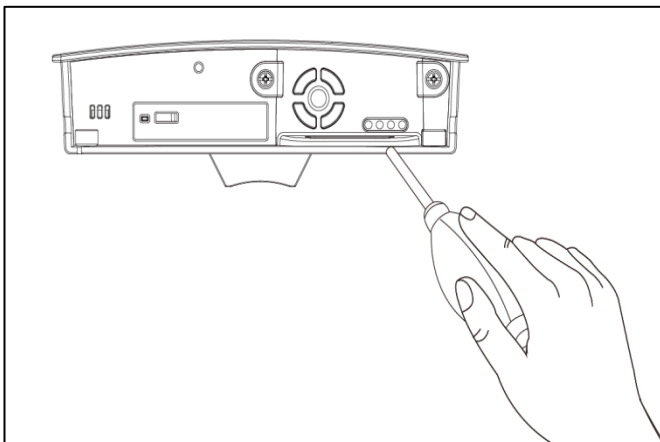
 If you have other pump-like cleaning tools available (e.g. for computers), you may also utilize them. Please be careful to not exert extremes of force or temperature / humidity onto the sensors to prevent damaging them.

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

II-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 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.

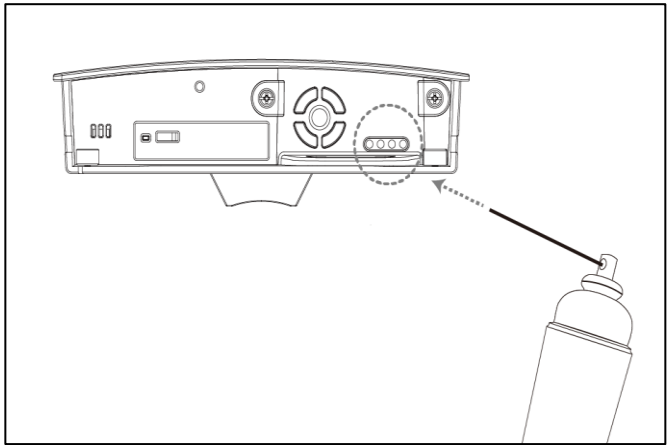
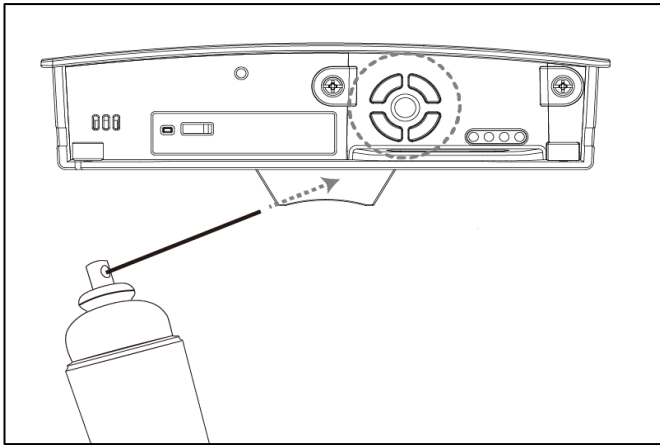


II-2 Dust-off Canned Compressed Air



A general dust-off compressed air will be sufficient.

1. Direct the nozzle of the compressed air at an opening 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.



III Product Information

III-1 Package Content



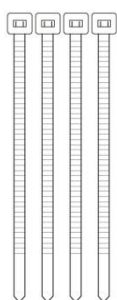
AI-1001W V5



USB Cable



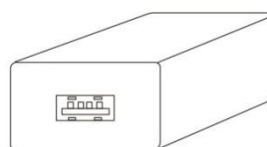
**Quick Installation
Guide**



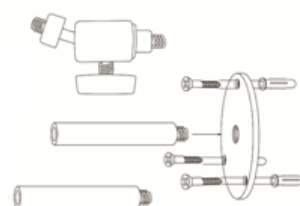
Cable Ties



Screws (V2 only)






Power Adapter



Mounting Bracket

III-2 LED Indicator

LED	Color	LED Status	Description
Status 	Red	On	AI-1001W V5 is booting up
		Flashing	AI-1001W V5 is waiting for setup
		Off	AI-1001W V5 setup completed
Wi-Fi 	Green	On	AI-1001W V5 Wi-Fi connected
		Flashing	AI-1001W V5 Wi-Fi active but not connected
Internet 	Green	On	AI-1001W V5 is connected to Internet
		Flashing	AI-1001W V5 is not connected to Internet
All LED (Power)		Off	AI-1001W V5 is not powered

IV Installation

This section will guide you through the steps to connect your AI-1001W V5 to the Internet.

IV-1 Downloading the App

1. Search and download "EdiGreen" in ***Apple App Store*** or ***Google Play***.

Alternatively, scan the QR code below (choose your device's OS correctly).



iOS



Android



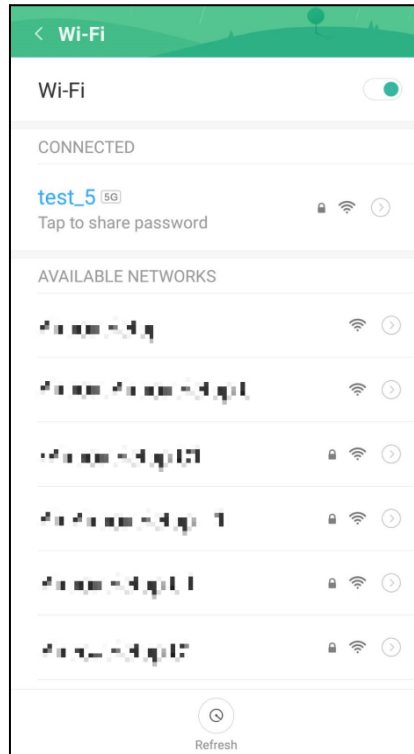
IV-2 Site Survey

Before deploying your AI-1001W V5, please do a site survey on the Internet Wi-Fi signal at the desired deployment location. This will ensure that the AI-1001W V5 can remain connected to the Internet for up-to-date sensor data transfer.

The best location for your AI-1001W V5 is **outdoor with shelter/cover** from rain. The unit is **water-resistant** but not water-proof. Screw and cable tie sets are also included to help mount the device to a wall if you wish.

IV-2-1 Android OS

1. Please bring your android smart device to the desired deployment location.
2. Go to the Wi-Fi page on your android device (e.g. **Settings** → **Wi-Fi**).



3. Please find your desired Wi-Fi connection and check the signal strength icon.

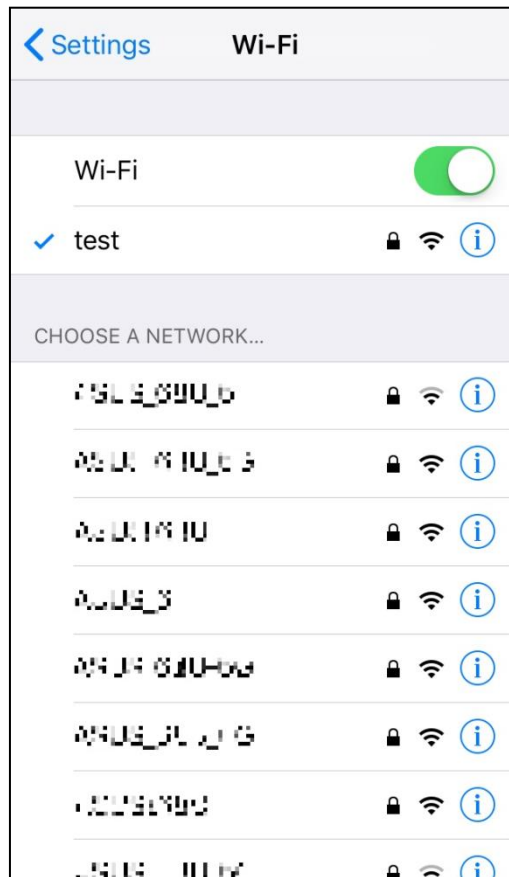


If the icon displays **2 bars or more signal strength**, please go to the next section.

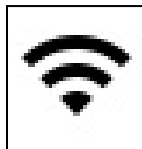
If the icon displays **1 bar or no signal strength**, please consider changing the desired deployment location and go through the steps outlined in this section again.

IV-2-2 iOS

1. Please bring your iOS smart device to the desired deployment location.
2. Go to the Wi-Fi page on your iOS device (e.g. **Settings** → **Wi-Fi**).



3. Please find your desired Wi-Fi connection and check the signal strength icon.



If the icon displays **2 bars or more** signal strength, please go to the next section.

If the icon displays **1 bar or no signal strength**, please consider changing the desired deployment location and go through the steps outlined in this section again.

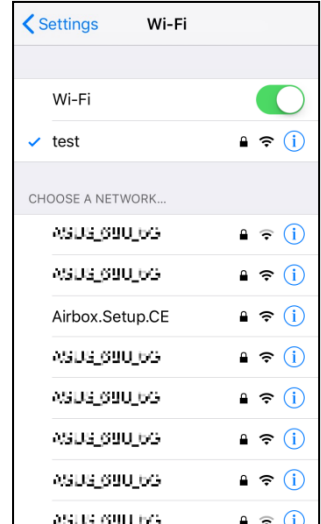
IV-3 Connecting AI-1001W V5 to the Internet

Please make sure...

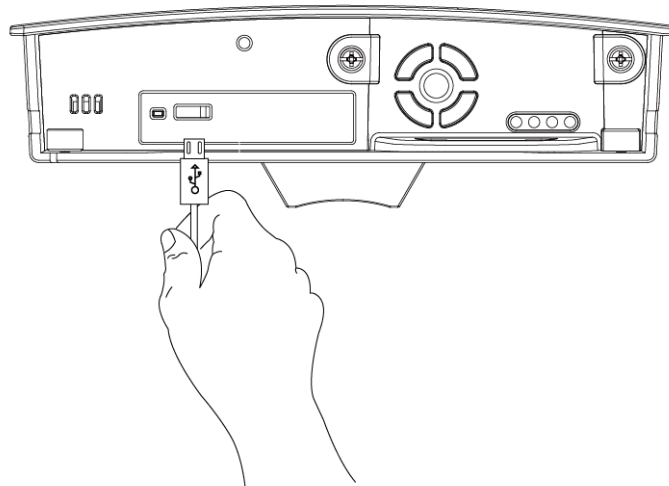
A. "Access to my location" is turned on.



B. Your mobile device is able to connect to your home's Wi-Fi network (such as the "test" network shown on the right) or whichever network you anticipated the device to connect to. Please make sure this network has internet connectivity.

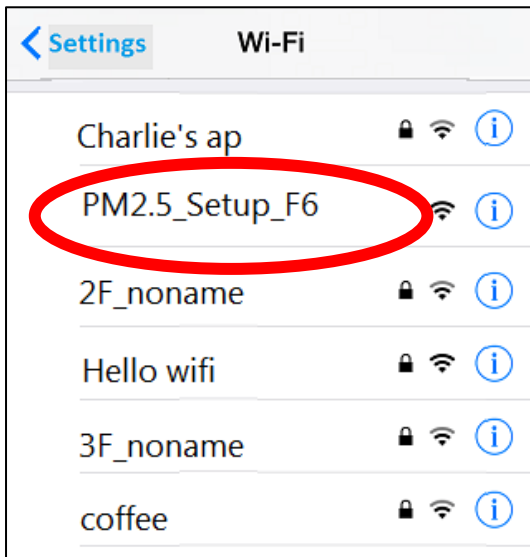


1. Please plug the power adapter to a power socket and connect the AI-1001W V5 (demonstrated on the left) using the USB cable. The red status LED will turn on.

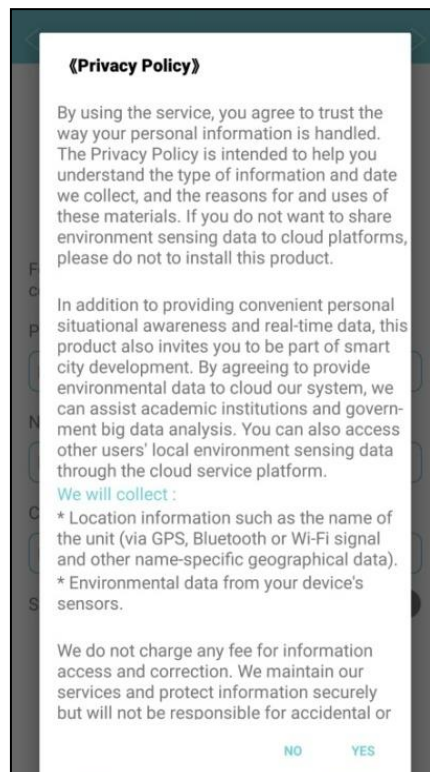
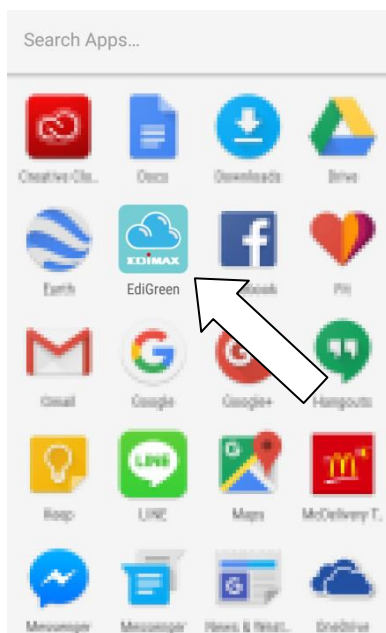


2. Please wait a moment for the device to boot up (**red** status LED will stay on during boot up). The **red** status LED will start flashing to indicate it is waiting for setup. Proceed to the next step when the System Status LED starts flashing in Red.

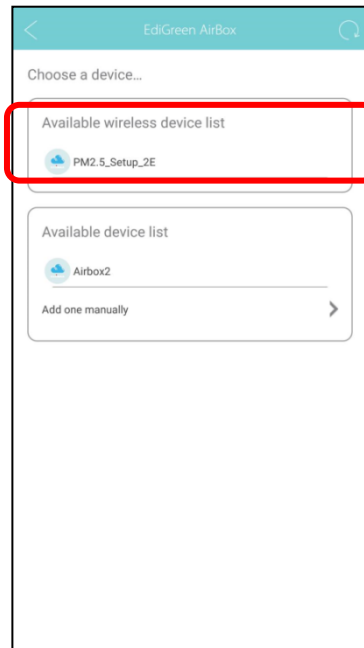
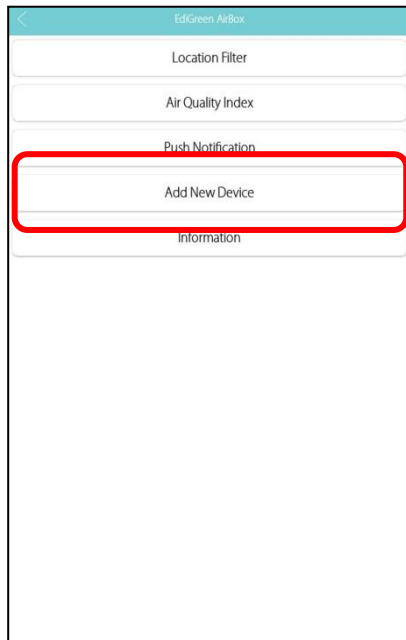
- 3.** For **iOS** users, go to your iPhone's Wi-Fi settings and connect to your AI-1001W V5's SSID (PM2.5_Setup_**). The last two characters are unique to your device. Open the EdiGreen app and continue at **Step 6**.



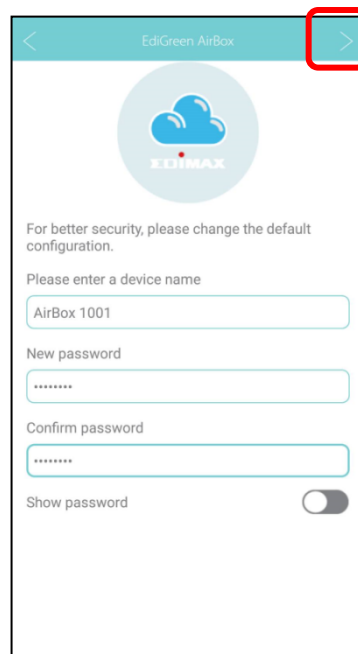
- 4.** **Android** users open the EdiGreen app and a privacy statement will be displayed (This privacy statement appears once only when EdiGreen is opened for the first time), tap “YES” to continue and tap the icon in the top right corner of the screen.



5. Select **Add New Device** and select your AI-1001W V5 (PM2.5_Setup_**), from the **Available wireless device list**. The last two characters are unique to your device.




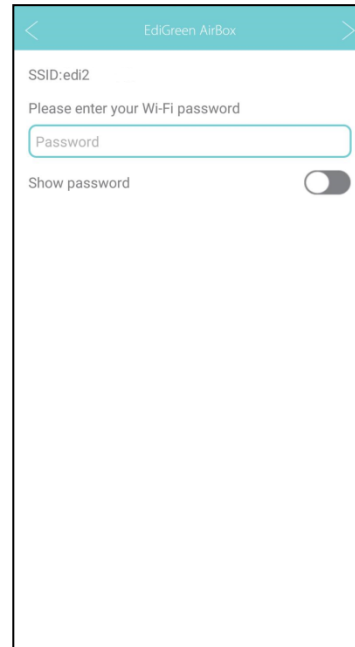
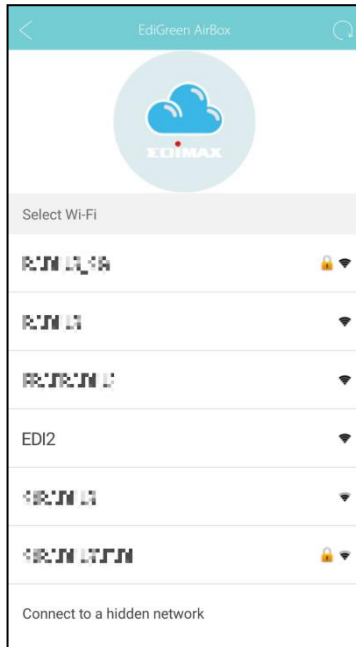
6. The app will prompt you to enter a new device name and password for better security. Tap the > icon to continue.



After setup, you can use this new name and password to login, including from a second device.

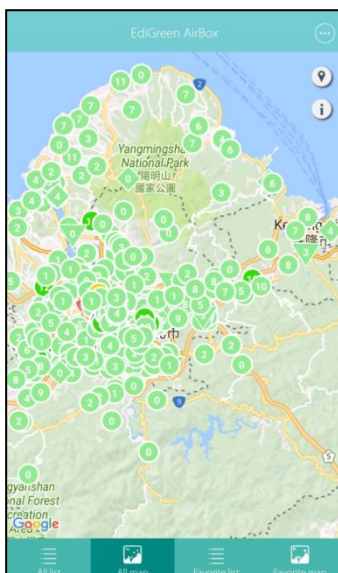
7. Select your Wi-Fi network from the list and, where applicable, enter the Wi-Fi password. Tap the > icon to complete setup.

If you cannot find the desired Wi-Fi network SSID, tap  to refresh network list.



If you are still unable to find the desired network due to complex Wi-Fi network environment, try manual connect by tapping "Connect to a hidden network", select the security type and, where applicable, enter the password.

8. Setup is complete. Your device will be listed in the **All** and **Favorite Lists** and **Maps**. You can tap on any device for more detailed data, and create a list of favorites. Explore the app!



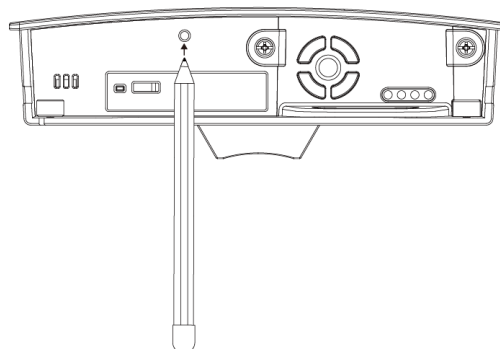
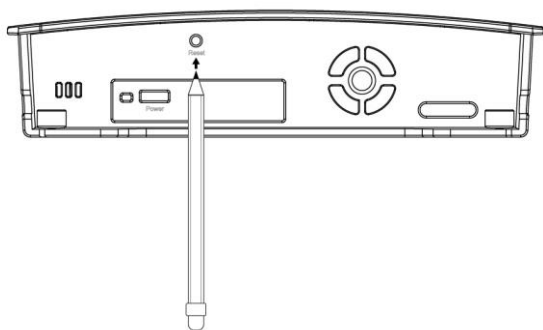


You can also connect to your device on a second Wi-Fi device. Just download the app and add it in the same way. If you're connected to a different Wi-Fi network, then select "Add one manually" and input the MAC address printed on the AI-1001W V5 label.

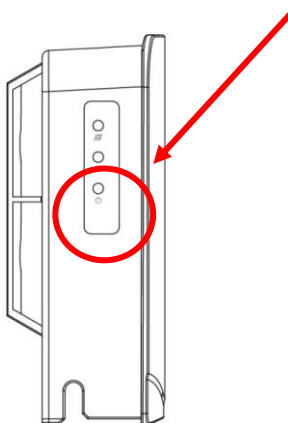
V *Reset to Factory Default Settings*

If you experience problems with the AI-1001W V5, try rebooting the AI-1001W V5 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.

1. Press and hold the reset button on the back panel for at least 10 seconds (indicated in the picture below). Release the button when the **Status LED** is turns on in **Red** and wait a couple of minutes for the unit to restart.

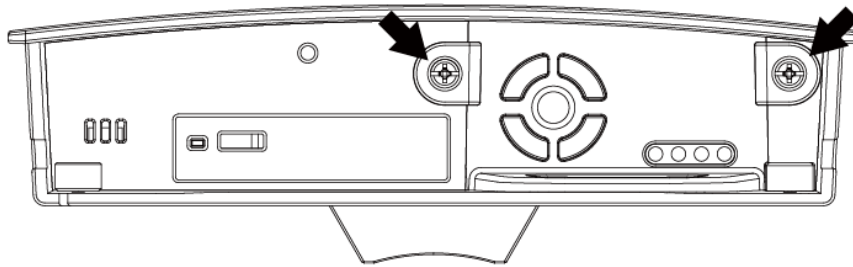


2. Please wait a moment for the device to reset. The **System Status LED** will start flashing in **Red** if it is ready to connect to your app and the Internet.

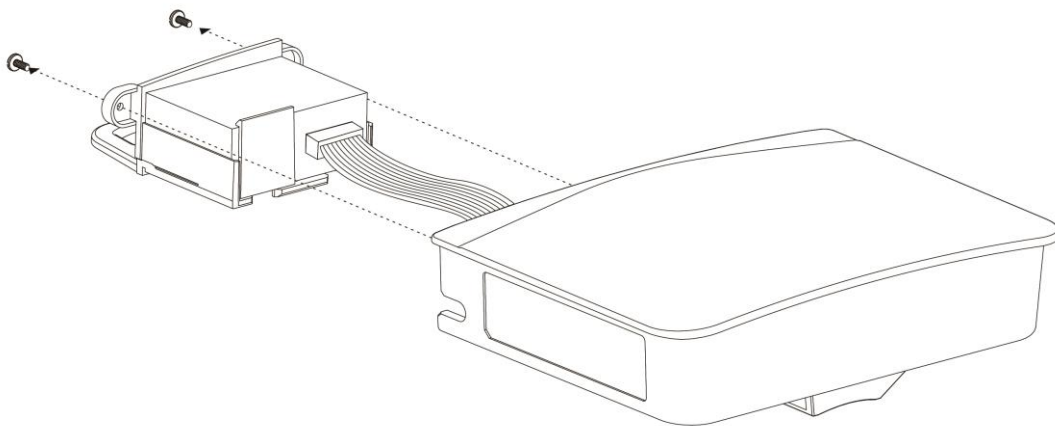


VI *Replace PM 2.5 Sensor*

1. Disconnect the AI-1001W V5 from power and remove it from the wall-mound stand. Then unplug the power adaptor before cleaning moderately.
2. Remove the bottom screws.



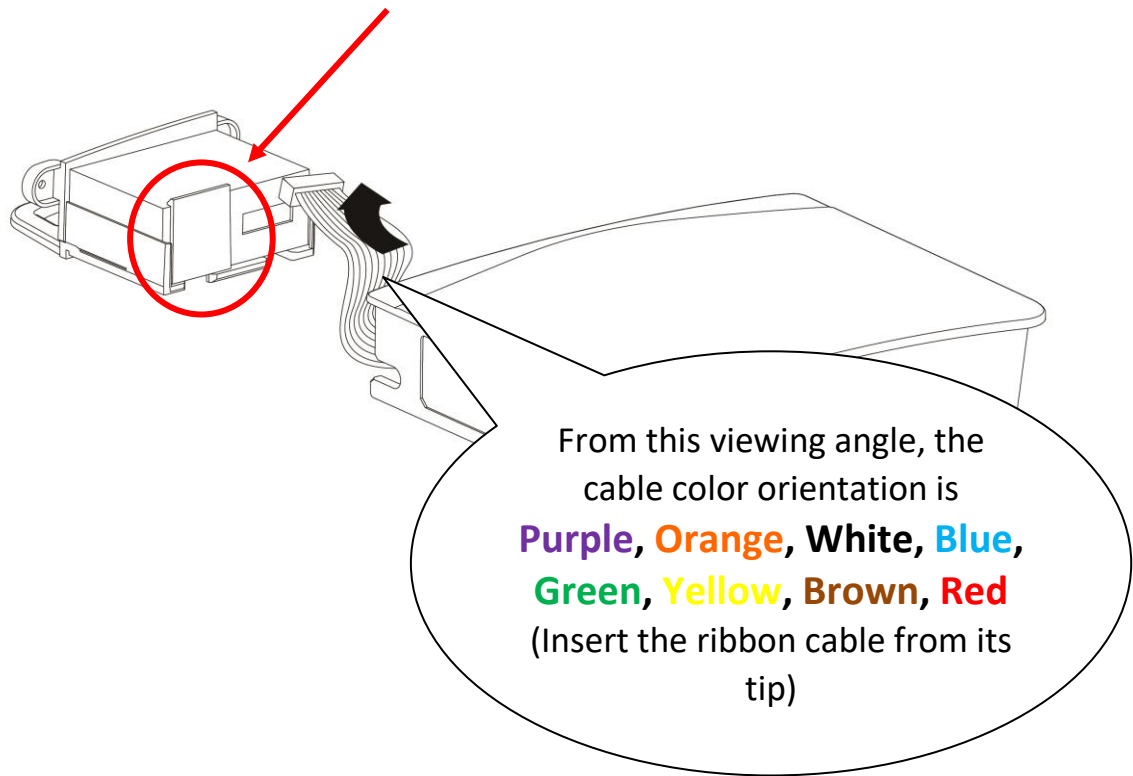
3. Carefully pull out the PM2.5 sensor.



4. After the ribbon cable is removed, take off the existing sensor and replace with the new one. Then install the new sensor in accordance with installation guideline stated above.

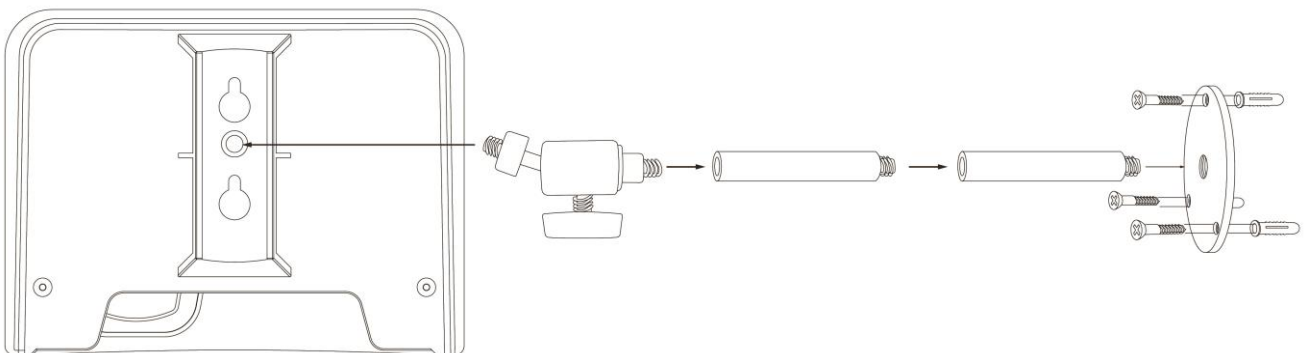


Please remember the color orientation of cable and insert the cable back according to its color orientation. During the removal of sensor, please pull out the latch gently to prevent it from breaking off.




VII Wall-Mount Stand Installation

The installation of wall-mount stand for AI-1001W V5 is shown as figure below:



VIII FAQs

1. How do I add my AI-1001W V5 to another mobile device?

A: After setup, you can add your AI-1001W V5 to the EdiGreen app on another mobile device, from any network. Tap the main menu icon  on the top right and select Add New Device.

If your mobile device is on the same Wi-Fi as your AI-1001W V5, your AI-1001W V5 will display in the Available Device List. Select it and enter the username and password.

From any other network, select Add One Manually and enter the MAC Address, username and password.

2. How do I change the name or location of my AI-1001W V5?

A: Go into your AI-1001W V5 in the EdiGreen app and tap the settings icon on the top right. Select Change Name or Change Location. When you change the location, tap and hold the map pin and drag it to the new location.



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Federal Communication Commission Interference Statement

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the 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:

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

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 of the device.

FCC RF Radiation Exposure Statement:

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

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

R&TTE Compliance Statement

This equipment complies with all the requirements of DIRECTIVE 1999/5/EC OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of March 9, 1999 on radio equipment and telecommunication terminal equipment and the mutual recognition of their conformity (R&TTE). The R&TTE Directive repeals and replaces in the directive 98/13/EEC (Telecommunications Terminal Equipment and Satellite Earth Station Equipment) As of April 8, 2000.

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

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.

FOR USE IN

AT	BE	CY	CZ	DK	EE	FI	FR	DE	GR	HU		
IE	IT	LV	LT	LU	MT	NL	PL	PT	SK	SI	ES	SE
GB	IS	LI	NO	CH	BG	RO	RU	TR	UA			



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 directives.

Equipment: Air Box

Model No.: AI-1001W V5

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 V2.2.0 (2017-03)
EN 301 489-17 V3.2.0 (2017-03)
EMF : EN 62311:2008
Safety (LVD) : IEC 60950-1:2005 (2nd Edition)+Am 1:2009+Am 2:2013
EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

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5652 AE Eindhoven,
The Netherlands

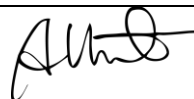
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No. 278, Xinhua 1st Rd.,
Neihu Dist., Taipei City,
Taiwan

Signature:

Printed Name: David Huang
Title: Director

Date of Signature: March., 2020

Signature:



Printed Name:
Title:

Albert Chang
Director
Edimax Technology Co., Ltd.

