

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.

FCC CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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.

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Instruction Manual QAIS-air- Model No. 03A1U-W

PCO (Photocatalytic Oxidation) Air Purifier

QAIS-air- 03A1U-W

Important

Thank you so much for purchasing the Sunstar Engineering product.

- Read this Instruction Manual carefully to use the product correctly and safely.
- Before use, be sure to read "Safety Precautions". (pages 01,02)
- After reading the manual, keep this at hand for ready reference.

FOR USE IN U.S. ONLY

WARRANTY VOID IF USED OUTSIDE U.S.

It cannot be used in the other countries different in power supply voltage and power supply frequency. The after-sales service is not applicable either.

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Introduction

Features

- This product is equipped with SUNSTAR's proprietary photocatalyst (TMiP) and an ultraviolet LED to reduce unpleasant indoor odors.
- By using this product on a daily basis, you can effectively improve the indoor environment.
- This product does not use HEPA filters, which need to be replaced periodically, so it saves you the trouble of maintenance.
- In addition to a standard mode, a silent mode is available, in which this product is silent enough not to disturb your sleep.

Safety Precautions

Always observe

This section describes the matters you should always observe to prevent personal injury and damage to property.

■ For convenience of description, the results of wrong use are classified as follows:

■ The matters you should observe are depicted with the following graphic symbols.

| | | | |
|---|--|---|---|
|  WARNING Failure to observe this "may result in death or serious injury." |  CAUTION Failure to observe this "may result in slight injury or damage to property." |  The matter you must not do. |  The matter you must do. |
|---|--|---|---|

Safety Precautions

Always observe

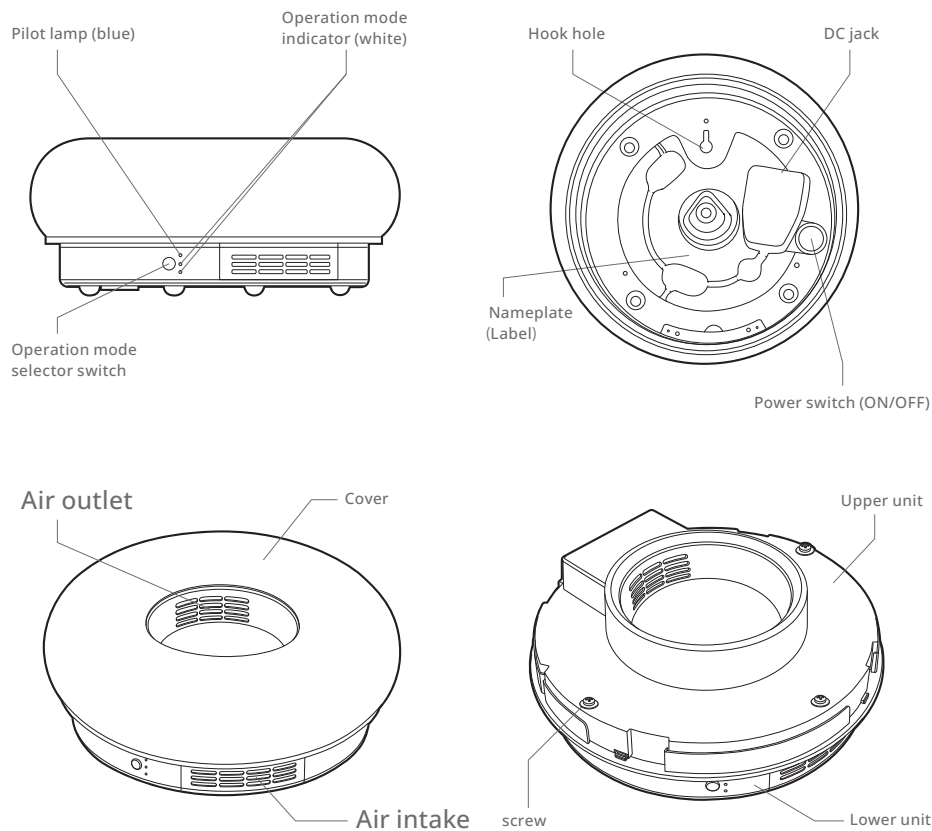
| | |
|--|---|
| ! WARNING To prevent a fire, electric leakage, electric shock, and serious injury | |
| In case of an abnormality or a failure | <ul style="list-style-type: none"> - In case of an abnormality or a failure, immediately turn OFF the power and pull out the AC adapter. (Causing smoking, combustion, or electric shock) Contact your dealer or access the contact information to request inspection. -<Example abnormalities and failures> <ul style="list-style-type: none"> ● The main body generates heat abnormally, and smells burnt. ● Operation stops. ● The product emits an abnormally loud sound, or vibrates violently. ● The cord is damaged. (e.g., some conductors are exposed or broken) |
| Main body | <ul style="list-style-type: none"> - Do not disassemble, repair, or modify. (Causing an electric shock or a fire due to combustion or malfunction) - Do not soak the product in water or splash water on it. - Do not install the product to a place that is hot and humid or where water will splash, such as a bathroom. (Causing an electric shock or a fire due to a short circuit etc.) - Do not put your finger, metallic substance, or any other foreign object into the air intake, air outlet, and opening. (Touching inside may cause an electric shock or an injury) - Do not use the product within the reach of babies and infants. (Causing an accident or an injury) - Do not leave small parts, such as screws alone. (Otherwise, babies and infants or pets may swallow them by accident.) |
| In case of an abnormality or a failure | <ul style="list-style-type: none"> - Do not use the AC adapter and cord in excess of the ratings of outlets and wiring accessories, nor use them except at 120 VAC. (Causing a fire or an electric shock) - Do not use the product when its AC adapter and cord are damaged or loosely connected to outlet. - Do not damage, process, forcibly bend, pull, twist, tie, or bring the cord close to hot sections. - Do not put any heavy things on the cord, nor put this between them. (Causing an electric shock or a fire due to a short circuit etc.) - Do not put a plug into or out of an outlet with wet hands. (Causing an electric shock) - Do not use any other AC adapter than the enclosed one, nor use it for any other purpose. (Causing a fire due to a burn, short circuit, etc.) |
| As for the AC adapter and cord | <ul style="list-style-type: none"> - Put the power plug all the way in securely. (Incomplete insertion may cause an electric shock or a fire due to heat generation) - From the power plug and terminal, remove dust periodically with dry cloth. (Faulty insulation due to moisture may cause a fire) |
| In cleaning or carrying | <ul style="list-style-type: none"> - Be sure to turn OFF the power, and pull out the AC adapter. (Causing an electric shock or an injury) - Do not pull the cord. (A break in it may cause an electric shock or a fire due to a short circuit etc.) |
| ! CAUTION To prevent an electric leakage and injury, and protect property | |
| In installation | <p>Avoid installation to the following places:</p> <ul style="list-style-type: none"> - A place where greasy fumes or combustible gas may be used or leak. (Causing ignition, combustion or smoking due to suction to the main body) - A place near combustibles such as a curtain and a wastebasket. (Causing a fire) - A place exposed to direct sunlight or heaters. (Causing deformation, degradation, or discoloration) - A place where the air intake or the air outlet will be blocked with a curtain. - A place where your pets' excreta will be splashed, or that which will be tampered or jumped on. (Causing a failure) - A place where your pets bite a cord. (Causing an electric shock) - A place where your plants and animals are blown directly by wind from the air outlet. (Causing them to be dried by wind) - A place where vibrations are strong. (Causing a drop) |
| As for the AC adapter and cord | <ul style="list-style-type: none"> - In pulling out the AC adapter or the terminal, hold and pull out the AC adapter or the terminal without pulling the cord. (Causing an electric shock or a fire due to a short circuit etc.) - Not using the product for a long time, be sure to pull out the AC adapter from the outlet. (Causing an electric shock or a short-circuit fire due to deterioration of insulation) - If your pets bite a cord, immediately stop them doing it. (Causing an electric shock) |
| During use | <ul style="list-style-type: none"> - Ventilate a room during use together with a burning appliance. → This product does not have a ventilation function. (Causing carbon monoxide poisoning) - When it starts to thunder, do not touch the main body or the AC adapter. (Causing an electric shock or a fire due to lightning) - Do not step on, put a thing on, or lean on the main body. (Causing an injury or a failure due to a drop) - As for the TMiP. → Do not leave it wet in attachment. (Causing a failure or a decrease in deodorization performance) - Direct exposure of skin and eyes to UV-LED radiation from some UV-LED may cause painful eye injury and burn-like skin reactions. Never look directly at a UV-LED even briefly. |
| Do not perform the following | <ul style="list-style-type: none"> - Do not spray insecticide or use insecticide of smoking type nearby. (Causing an electric shock or a fire due to a short circuit etc. Pharmaceutical ingredients may be emitted from the air outlet, doing harm to your health) - Do not operate the product with the air intake and the air outlet removed. (Causing a fire, short circuit, or decrease in deodorization performance) - Do not use benzine or thinner for wiping, nor spray insecticide. (Causing cracks or a fire) - Keep the product away from combustibles, lit tobacco, incense stick, or the like. (Causing a fire due to ignition) |

NOTICE

- Clean the air intake and the air outlet periodically. → This prevents clogging with your pet fur etc.
- Do not block the air intake and the air outlet during operation.
- Do not drop the product to give any strong shock to this. (Causing performance degradation or a failure)

Names of parts |

Name of Each Part of QAIS-air- 03A1U-W



How to Use

How to Install |

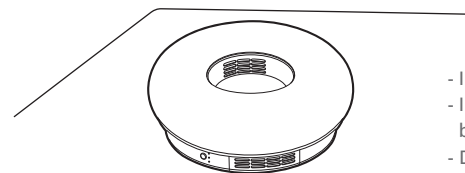
■ In order to achieve the original performance of the product, install it at a distance of 1 ft or more from walls and furniture.

If you continue to use the product in the same place, the air sucked from the bottom of the product may stain the wall or floor around the main unit.

We recommend cleaning the floor and walls on a regular basis.

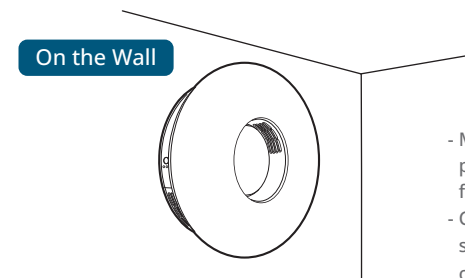
- Use indoors at a temperature of 5 to 35°C. / 41 to 95°F.
- Install away from direct sunlight.
- Install near the source of odors.

Laying flat



- Install the main unit on the floor or table.
- Install the main unit in a place where it will not be bumped by people or things.
- Do not block the air intake and air outlet with any objects.
- Connect the power cord and plug it into an outlet.

On the Wall

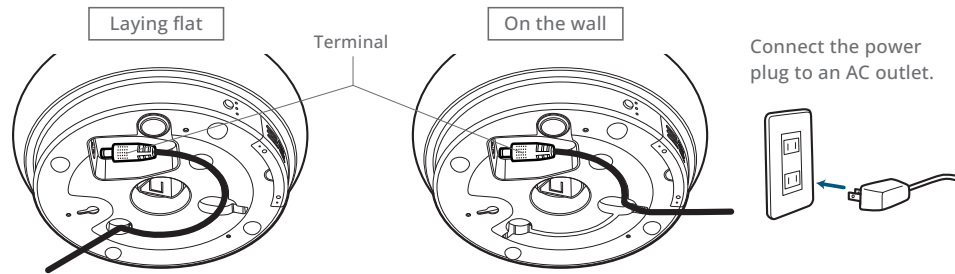


- Make sure to hook the hook hole on the back of the product. Failure to do so may cause the product to fall, causing injury or damaging property.
- Check the wall material and structure, and select a suitable mounting device that can withstand the weight of the product.

How to Use |

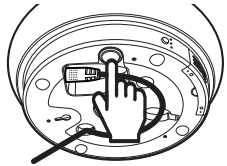
Connect the terminal of power code.

Connect the terminal to the main unit. Fit the code into the groove in the main unit.
You can select the draw-out direction of the power code according to how the main unit is installed.



1. Start

Turn ON the power switch; the product will start to operate and the pilot lamp will light up.

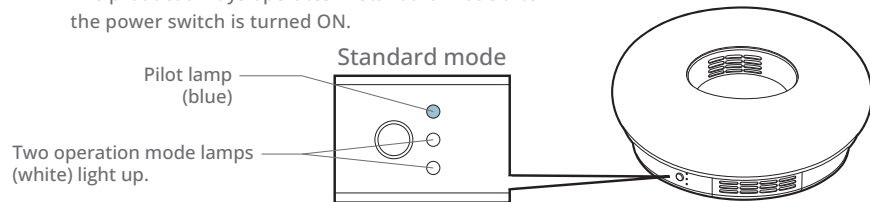


Power OFF



Power ON

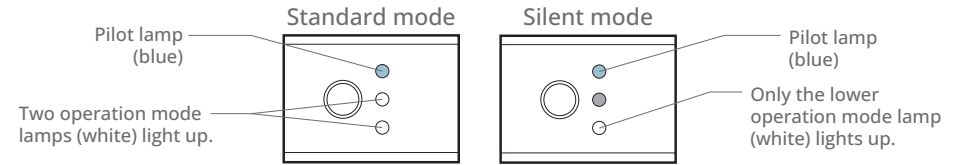
The pilot lamp (blue) and a standard mode lamp light up.
The product always operates in standard mode after the power switch is turned ON.



How to Use |

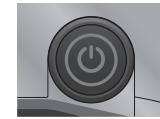
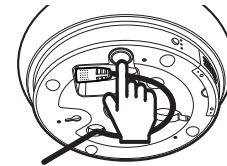
2. Select operation mode

Each time you press the operation mode switch, the operation mode switches between a standard mode and silent mode.



3. Stop

Turn OFF the power switch to stop the operation.



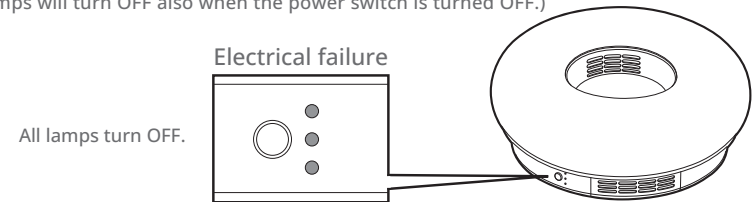
Power OFF



Power ON

In Case of Electrical Failure

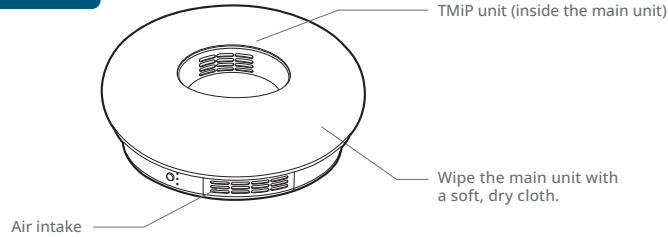
If an electrical failure occurs, causing an energization failure, all lamps will turn OFF.
(All lamps will turn OFF also when the power switch is turned OFF.)



Maintenance

If odors cannot be removed or are difficult to remove, or if the operation noise becomes loud, please do maintenance of the unit.
The frequency of maintenance varies depending on the usage environment.

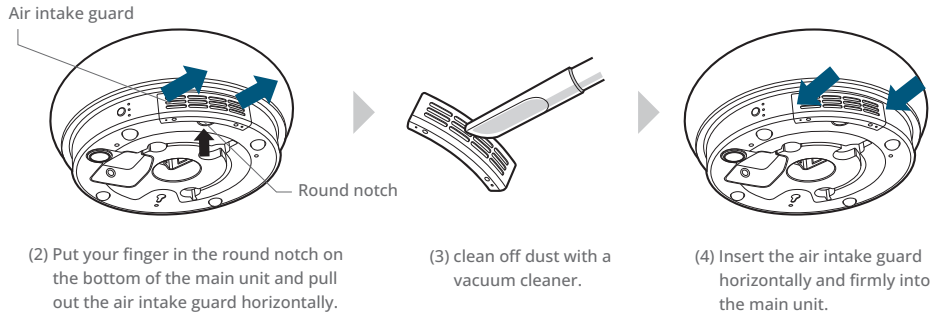
Point of Maintenance



Cleaning of Air intake guard

Daily cleaning

- (1) Turn OFF the power and unplug the power plug from the AC outlet.



Maintenance

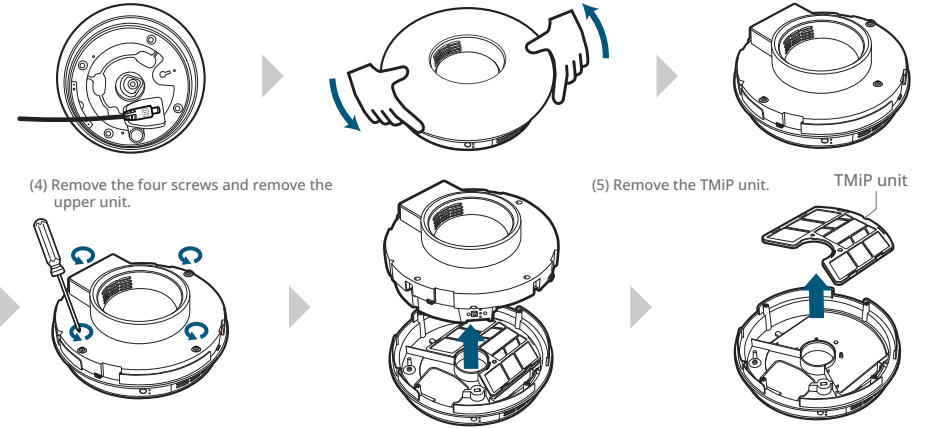
Prolonged use of the TMiP unit with a strong odor may degrade its deodorizing ability. Soaking the TMiP unit in boiling water can restore its deodorizing ability.

Cleaning of TMiP Unit

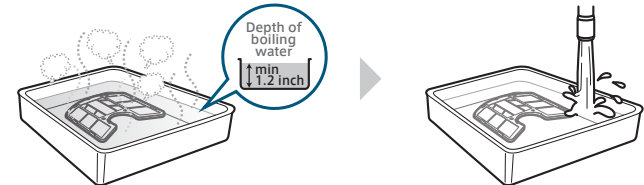
CAUTION

- Be careful not to burn yourself when handling the boiling water.
- Carry out so in area hot water flows. (e.g. sink etc.)
- Do not heat the TMiP unit immersed in hot water. (Do not use a microwave or range)

- (1) Turn off the power and unplug the power plug from the outlet.
- (2) Disconnect the power cord from the main unit.
- (3) Turn the cover counterclockwise and remove it from the main unit.



- (6) Place the TMiP unit in a heat-resistant container (e.g. a metal tray etc.) and fill it with boiling water to a depth of at least 1.2inch / 3 cm. Soak the entire TMiP unit in the boiling water for about 20 minutes.
- (7) After 20 minutes, pour water into the container to cool the TMiP unit.



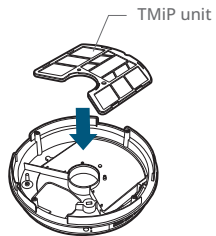
Maintenance |

(8) Shake the TMiP unit to drain water.

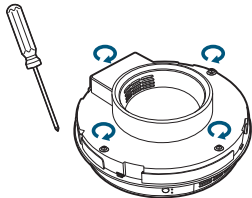
- Hold the TMiP unit firmly with both hands and shake it gently. Shake the TMiP unit up and down gently to drain water.
- ※Be careful not to drop the TMiP unit or let it hit the surroundings.



(10) Attach the TMiP unit.

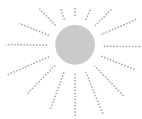


(12) Tighten the four screws with a phillips screwdriver.

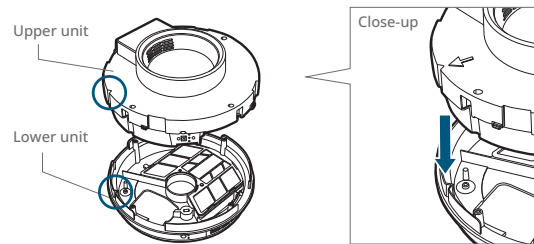


(9) Dry the TMiP unit.

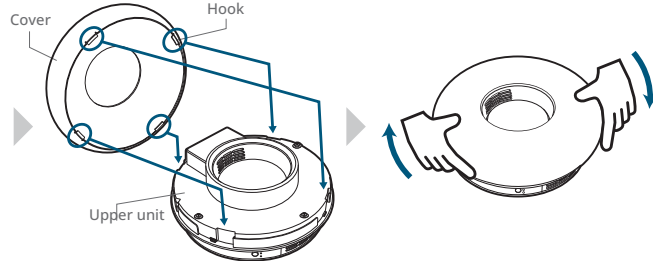
- Expose the TMiP unit to sunlight and let it dry naturally for at least half a day. Be careful not to drop the TMiP unit or let it hit the surrounding area. Do not place the TMiP unit near a fire or in a fire.



(11) Attach the upper unit. At that time, align the notch indicated by the arrow on the upper unit with the notch in the lower unit to install.



(13) Attach the cover aligning the hooks on the cover with the recesses in the upper unit, and turn it clockwise (in the LOCK direction displayed on the upper unit) to attach it securely.



If necessary

Troubleshooting |

Perform the following checks. If the problem persists, be sure to turn OFF the power, unplug the AC adapter, and contact your dealer or use the contact information to request repair and inspection.

| Problem | Check and remedy |
|---------------------------------------|--|
| Does not operate | <ul style="list-style-type: none"> - Is the power plug connected firmly? → Plug the power code firmly into the DC jack on the main unit and an AC outlet. P.05 - Is the power switch turned ON? → Press the power switch on the back of the main unit. P.05 - Is the upper unit attached correctly? → Align the notch indicated by the arrow on the upper unit with the notch in the lower unit to install. P.09 |
| Cannot or difficult to remove odors. | <ul style="list-style-type: none"> - Is the pilot lamp ON? → Check that the TMiP unit is securely attached. P.08 - 09 - Is the air intake clean? → Clean the air intake guard. P.07 - Is the TMiP unit clean? → Clean the TMiP unit. P.08 - Check whether the main body is not installed too far away from the smell source. → Install the main body near the smell source. P.04 |
| Makes loud noise. | <ul style="list-style-type: none"> - Is the air intake guard clean? → Clean the air intake guard. P.07 |
| Pilot lamp (blue) is OFF. | <ul style="list-style-type: none"> - If out of operation → See "How to Use." P.05 - 06 - If in operation → Immediately unplug the power plug and access the contact information. P.10 |
| Abnormal vibration or heat generation | <ul style="list-style-type: none"> - Immediately unplug the power plug and access the contact information. P.10 |

Specifications |

| Product name | QAIS-air- |
|-----------------------|---|
| Model Number | 03A1U-W |
| Power supply | 120VAC, 60Hz |
| Power consumption | 17 W |
| Operating sound (dB)* | Silent mode: 26 dB / Standard mode: 33 dB |
| Dimensions | 10.2×10.2×3.5 inch |
| Product weight | 2.4 lbs |
| Code length | 6.6ft |

■ Evaluation method*
- Operating Sound is measured based on the JIS C9615 A scale, standard of the Japanese Industrial Standards.

Accessories |

- Instruction manual1
- AC adapter1

Contact Information |

Sunstar Engineering Inc.
Email : support@us.sunstarqais.com
URL : us.sunstarqais.com

Limited Warranty Policy and Privacy Policy |

Refer to the SUNSTAR QAIS website (us.sunstarqais.com) for information on warranty and privacy policy.