

AUPU

Bathroom Master

AUPU Bathroom Fan with Heater MR005-ML

—— AUPU Electrical ——
·Installation Manual·

· Preface ·

Dear users:

Thank you for choosing AUPU products. We believe your choice will bring you a pleasant life experience. Please read this instruction manual carefully before installation and operating to avoid danger or unnecessary damages.

· Safety precautions ·



Notice

- During use, do not touch the surface of the bathroom heater to avoid burns caused by high temperature;
- If any abnormality is found during use, the power supply should be disconnected immediately and the local agent or authorized maintenance service of AUPU should be notified to handle the problem;
- Please do not turn the switch on and off frequently during use, and disconnect the main power supply when not in use for a long time;
- The elderly, children and people with limited mobility should use this product under the supervision and guidance of their family members;
- Do not use gasoline or corrosive chemicals to clean machine parts, and do not use hot water above 60°C to wash plastic parts;
- The appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction;
- Children being supervised not to play with the appliance;
- Ensure that the fan is switched off from the supply mains before removing the guard;
- If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent;
- The installation instructions for fixed heaters likely to be used in a bathroom shall state that the heater is to be installed so that switches and other controls cannot be touched by a person in the bath or shower.



Notice

- For appliances having a lid that has to be opened in normal use, the instructions shall include a warning that the appliance must not be switched on with the lid in the closed position and that, before closing the lid for storage, the appliance must be disconnected from the supply and allowed to cool down.
- Advice for the protection of the eyes against exposure to visible radiation and advise that adequate precautions must be taken to safeguard the user against the dangers of excessive exposure.
- A statement that VIS appliances are not to be used by
 - persons suffering from sunburn;
 - persons under medical care for diseases that involve photosensitivity;
 - persons receiving photo sensitising medications.
- A statement that if unexpected side effects, such as itching, occur within 48 h of the first session of using an appliance, medical advice should be sought prior to further exposure.
- Information concerning the intended exposure distance.
- Recommended schedule of exposure specifying duration and intervals.
- A statement that the appliance must not be used if the timer is faulty or the filter is broken or removed.
- Identification of alternative components that may influence the radiation, such as filters and reflectors.
- Identification of replaceable emitters and a statement that they are only to be replaced by types marked on the appliance.
- Instruction to use goggles and an information about the maximum exposure time.

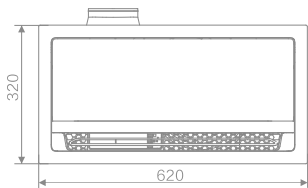


Light fixtures should not be covered with insulating materials

· Common troubleshooting methods ·

Fault	Solutions
The light is off	❶ Turn on the power; ❷ Repair the circuit (professional electrician); ❸ Replace the controller; ❹ Replace the lighting components; ❺ Contact After-Sales Service.
Motor does not rotate	❶ Turn on the power; ❷ Replace the motor.
The motor is noisy	❶ Tighten the screws; ❷ Replace the blower; ❸ Replace the motor; ❹ Repair the circuit (professional electrician).
The fan unit displays "E1"	❶ Replace the temperature sensor.
The fan unit displays "E2"	❶ Replace the display panel. ❷ Replace the display panel connecting cable. ❸ Connect the display panel connecting cable.

• Product size •



Front of the product (with grille)



Product side view

• Pack list •

Fan unit	Installation & User Manual	Grille	Control switch	Accessory
×1	×1	×1	×1	×1

• Instructions •

I. Switch pairing

The fan unit and the control switch are paired before leaving the factory. If you need to pair again, please connect the fan unit and the control switch to the power supply. When you hear the "beep - beep - beep" sound, press the "Standby" key for more than 3 seconds within 10 seconds. If you hear the product "beep" 3 times in succession, it means the pairing is successful. If the pairing fails, repeat the above steps.

II. Functions

1. HEATING

Press the "HEATING" button to turn on / off the HEATING function. The default working time is 90 minutes, and you can adjust the set temperature by pressing the "Λ" and "V" buttons.

2. DEODOR STER

Press the "DEODOR STER" button to turn on / off the deodorization and sterilization function. The default working time is 60 minutes.

3. FAN / DRY

Press the "FAN / DRY" button to turn on the Fan function. The default working time is 30 minutes. Press the "FAN / DRY" button again to switch to the Dry function. The default working time is 120 minutes. Press the "FAN / DRY" button again to turn off the Dry function.

4. EXHAUST

Press the "EXHAUST" button to turn on / off the EXHAUST function. The default working time is 30 minutes.

5. DIR

Press the "DIR" key to turn on / off the wind direction function.

6. LIGHT (other bathroom lights)

Press "LIGHT" to turn on / off the LIGHT function; this product has reserved power supply ports for other bathroom lights (the maximum power of other lights does not exceed 50W).

When this product is connected to other lights, the "LIGHT" button can be used to turn on / off the external lighting. If no external lighting is connected, this function will be invalid.

7. RED

Press the "RED" button to turn on/off the RED light function. The default working time is 30 minutes.

8. ORANGE

Press the "ORANGE" button to turn on/off the ORANGE light. The default working time is 30 minutes.

9. YELLOW

Press the "YELLOW" button to turn on/off the YELLOW light. The default working time is 30 minutes.

10. NIGHT LIGHT

Tap the control switch panel to turn on / off the NIGHT LIGHT function.

11. STANDBY

Press the "STANDBY" button to turn off all functions except "Light" and "Night Light".

Note: ❶ Since the temperature sensor is installed inside the machine, there will be errors with the room temperature, and the displayed temperature is for reference only;

❷ When using the light function, the user needs to be directly under the light source;

❸ When heating / fan/dry/exhaust/red / orange / yellow are turned on at the same time, press the " ^ " and " v " buttons to adjust the light duration or heating temperature.

Heating / red / orange / yellow will flash as a reminder. Press heating / fan/dry/exhaust, then " ^ " and " v " will adjust the temperature and gear. Press red / orange / yellow, then " ^ " and " v " will adjust the duration;

❹ When the light source is turned on, if the fan function is turned on at the same time, the wind direction will automatically turn in the opposite direction of the light;

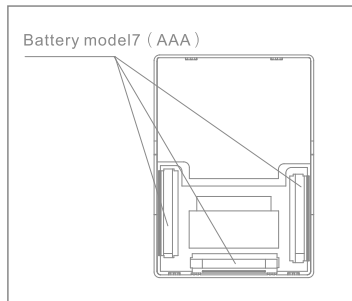
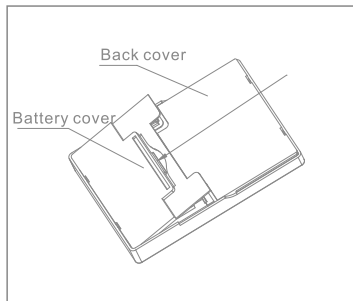
❺ The light starts to turn on gradually and reaches the maximum power after 1 minute; switching between different light modes takes 6 seconds; if manually turned off during operation, all lights will power down after 30 seconds.

※ Wireless frequency range: 2400-2483.5 MHz

Maximum transmit power: 0 dBm

III. Battery replacement

1. Slide the remote control upwards from the base;
2. Open the battery cover on the back cover of the remote control ;
3. Take out the old battery and replace it with a new one;
4. Replace the battery cover and insert the remote control into the dock.



• Precautions for use •



Prohibition

The following people are not suitable for using this product. If forced to use it, it may cause accidents or skin problems.

- People who have epilepsy due to light sources ● People with abnormal blood pressure
- People with heart disease ● Acutely ill patients ● Febrile patients
- Pregnant women ● People with redness and inflammation of the skin after sunburn
- People who drink alcohol or take medication ● Hemophilia patients
- Infectious disease patients ● Tuberculosis patients ● Capillary vascular disease patients
- Patients with malignant tumors ● Patients with facial neuralgia
- Patients with excessive fatigue ● Minors ● Patients with eye diseases
- Patients with capillary disease caused by steroid hormones and liver dysfunction
- People with a history of allergy to chemical fibers ● People with photosensitivity

Do not use this product on the following areas. Forcible use may cause accidents or skin problems.

- Pimples and other suppurative areas ● Other than designated areas
- Areas with lesions and spots due to itching, redness, or physical stimulation
- Inflammation caused by cosmetics ● Oral mucosa ● Melanoma of the face ● Wounds
- Sunburned skin areas

Do not scratch, break or process the controller or machine, as this may cause fire, electric shock, short circuit, burns and other dangers.

Please take off eyeglasses, contact lenses, necklaces, earrings and other precious metal items when using this product.

Do not use this product on the same area on the day of hair removal or shaving, otherwise it will cause swelling and redness of the skin.

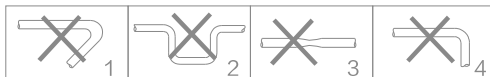
 Disassembly is prohibited	Except for our company's technical personnel, please do not disassemble or modify the product at will.
 Strict Adherence to the Following	Please keep it out of reach of infants and young children.
	When you first start using it, please do not set the time too long. It is recommended to use it according to the standard time.
	Please follow the instructions for usage time and frequency to avoid discomfort.
	If you need repair and maintenance, please contact AUPU professional after-sales service.
	During use, do not touch the surface of the bathroom fan with heater to avoid burns caused by high temperature.
	If any abnormality is found during use, the power supply should be disconnected immediately and the local agent or authorized maintenance service of AUPU should be notified to handle the problem.
	Please do not turn the switch on and off frequently during use, and disconnect the main power supply when not in use for a long time.
	The elderly, children and people with limited mobility should use this product under the supervision and guidance of their family members.
	Do not use gasoline or corrosive chemicals to clean machine parts, and do not use hot water above 60° C to wash plastic parts;
	Please do not place the product in the following places ● A place exposed to direct sunlight ● Dusty places ● Where there are chemicals and gas ● Where there is a risk of fire ● Places that are exposed to wind and rain ● Where there is strong vibration ● Places with high or sub-zero temperatures
	If a malfunction occurs due to improper storage or use of the product, even within the warranty period, it is considered man-made damage and is subject to paid repair.

· Installation safety precautions ·



Notice

- Keep the product at least 250mm from the wall;
- The heating outlet of this product should be installed as far away from combustible materials such as curtains and electrical products as possible to avoid danger;
- The heater should be installed so that switches and other controls cannot be reached by people in the bathtub or shower area;
- This product can only be installed on horizontal surface;
- The ventilation register must be securely mounted on the wall with its "↑ UPWARD" end facing up; otherwise it will become ineffective;
- For installation on the second floor and above, the ventilation register must be fixed to the ventilation holes from the inside out;
- Since the length of the ventilation pipe is 1.5m, the distance from the center of the product installation position to the ventilation hole should be considered to be within 1.5m when opening the ventilation hole, otherwise, you need to purchase a separate ventilation pipe from the dealer.
- The ventilation pipe should not be connected to the same flue as the exhaust pipe of the gas water heater to prevent dangerous gases from seeping into the bathroom. The direction of the ventilation pipe should be kept as smooth as possible;
- The direction of the ventilation pipe should be kept as straight as possible, and please do not make the bends shown in the illustration;



- The ventilation pipe should be as long as needed to avoid increasing noise and affecting the exhaust effect;
- Installation and wiring must be completed by professionals;

- The fan unit power cable must be able to withstand a load of more than 16A;
- The fixed wiring connected to the appliance must be equipped with a full-pole disconnect device in accordance with the wiring rules, the contact spacing of which provides full disconnection under overvoltage level III conditions;
- Please be sure to use switches and other accessories provided by AUPU for installation;
- To keep it nice and tidy, the wire conduit and switch box should be embedded in the wall before home renovation;
- Keep the power off during installation;
- Keep the power cable away from the fan body;
- It must be connected to the fixed wiring cables, and the cables must be placed in suitable wiring troughs, and the cable diameter must be 1.5mm² and above.
- When wiring, all the fastening screws on the terminal must be tightened to avoid potential safety hazards caused by loose terminals;
- After wiring is completed, the terminal cover should be put on to avoid moisture;
- The light source in the product should be replaced by the manufacturer or its service agent or similarly qualified personnel.



Prohibition

- This product must not be installed in places with severe water seepage;
- The heater must not be placed directly under a power socket.

· Installation ·

I. Preparation before installation

1. Determine the product installation location

To achieve the best heating and ventilation effects, the product should be installed on the ceiling above the bathtub or shower area. The warm air outlet should avoid the bathing position to prevent the warm air from blowing directly onto the human body. After installation, the grille should be at least 2.3m from the ground. The net height of the suspended ceiling space :The grid ceiling shall not be less than 140mm; the plaster board suspended ceiling shall not be less than 165mm.

Suspended ceiling height measurement method: Dropped/Grid Ceiling: The distance from the upper surface of the triangular keel to the top of the cement;

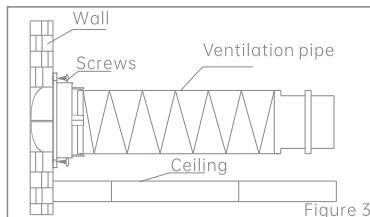
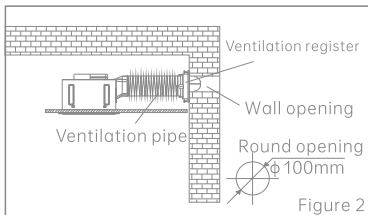
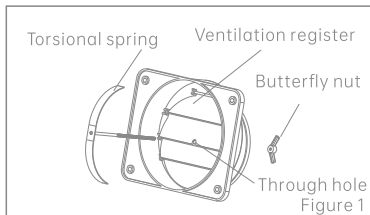
Ordinary (plaster /PVC, etc.) ceiling: The distance from the upper surface of the suspended ceiling material to the cement top.

2. Drill ventilation holes

Determine the location of the ventilation hole on the wall (the center of the ventilation hole should be 70mm higher than the upper surface of the keel or the inner surface of the plasterboard), and open a circular hole with a diameter of about 100 mm at this location.

3. Ventilation register installation instructions

After the vent holes are drilled, please refer to the following method to install the vent register: Take out the torsion spring and butterfly nut provided with the ventilation register, pass the torsion spring through the hole in the center of the ventilation register as shown in the direction of Figure 1, screw the butterfly nut on the other end of the torsion spring (Figure 1), then extend one end of the torsion spring into the hole in the wall, make sure that the torsion spring is firmly stuck in the hole in the wall, then rotate the butterfly nut and adjust it to ensure that the ventilation register body is close to the wall surface and will not fall off, then fix the ventilation register to the wall with screws (Figure 2), then put the 100mm diameter ventilation pipe into the round hole of the ventilation register and insert the steel wire into the ventilation register groove. (Figure 3)



II. Install the fan unit

A. Grid Ceiling Installation Method

(Applicable for 300*300mm, 300*600mm grid ceiling)

1. Install ceiling and tiles

Lay the keel horizontally (the net height of the vacancy above suspended ceiling is not less than 140mm), install the tiles, and temporarily do not install the tiles near the electrical installation. (Figure 4) Note: The edge of the tiles that matches the grille must not have protruding shapes, which may affect the installation of grille. (Figure 5)

2. Power connection

First pull the fan unit cable out from above the ceiling, and connect the power cable according to the wiring diagram (Figure 19). If there are other external lighting, connect the external lighting circuit according to the wiring diagram (Figure 19), press the power

line with a wire clamp and install the terminal cover.

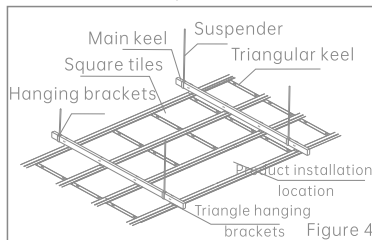


Figure 4

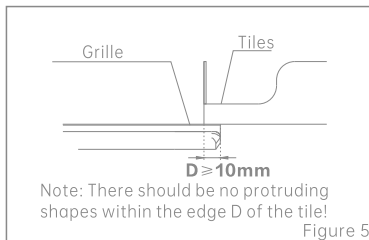


Figure 5

3. Install the fan unit and connect the air duct

Before installation, fix the four keel clips on the main unit (Figure 6), and install two suspension rods in the ceiling. After the suspension rods are installed, take out the main unit suspension rod hooks from the accessory bag and fix them to both sides of the main unit (Figure 7). Then place the main unit on the triangular keel, tighten the suspension rod nuts, and fix the main unit. Pull out the end of the ventilation pipe that extends into the room, put it on the air outlet of the product, and secure it with a clamp. (The direction of the ventilation pipe should be kept as straight as possible)

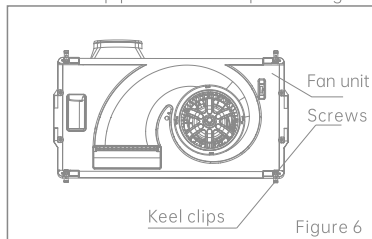


Figure 6

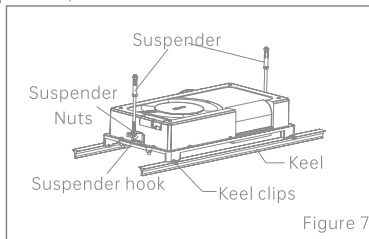


Figure 7

4. Install the grille

Note: During the installation process, the grille needs to be held to prevent the grille falling until the installation is completed. Remove the grille, connect the light connection harness, display connection harness and the corresponding connectors of the fan unit (Figure 8), align the grille air outlet with the air outlet on the fan unit, insert the torsion springs on both sides of the grille into the slots on both sides of the fan unit, align the screw columns on both sides of the grille with the corresponding screw columns on the fan unit, and buckle the two sides of the grille into the keel. Manually slide the panel open until the four screw holes on both sides are visible, and tighten the four screws to complete the installation (Figure 9).

Note: Please refer to the instructions on the grille packaging bag for the operating instructions for sliding open the panel.

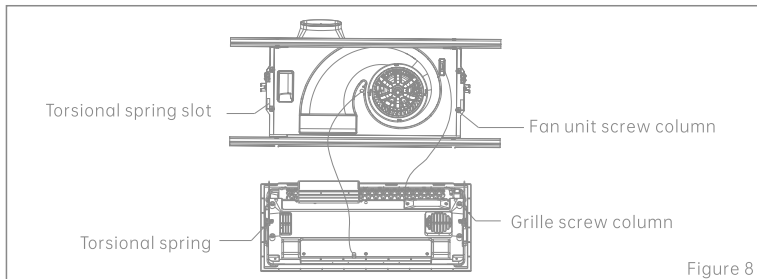


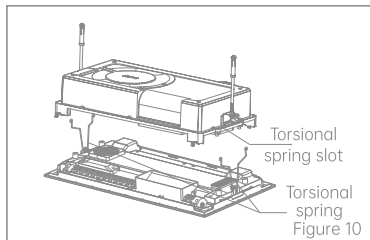
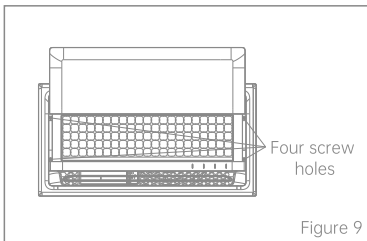
Figure 8

5. Grille installation precautions and steps

To ensure the reliability of the installation of the bathroom multi-function heater:

(1) It is recommended to use the triangular keel specially made by AUPU to ensure the keel clamping force;(2) To ensure the safety of the product, please insert the torsion spring on the grille into the corresponding slot on the host (Figure 10).

Warning: Please follow the above steps to install the grille, otherwise there is a risk of the grille getting loose and falling off!

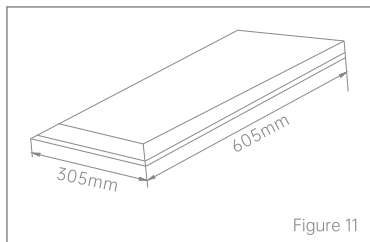


B. Drywall Plasterboard Ceiling Installation Method

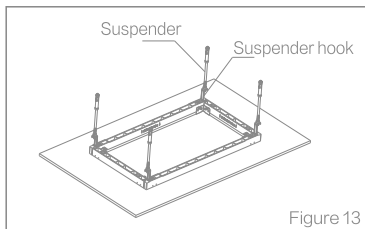
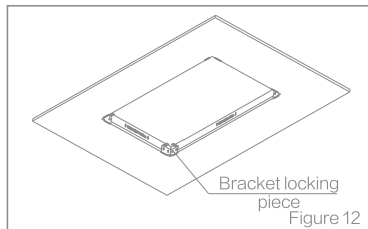
1. Suitable for large panel suspended ceiling

1-1.Cut installation hole and install the suspender

Cut a 605*305mm rectangular hole at the appropriate position of the suspended ceiling (Figure 11), take out the long / short mounting brackets and lay them at the opening, and lock the four mounting brackets with the bracket



locking pieces (Figure 12). After the mounting brackets are fixed, take out the hanging rod hook from the accessory bag and lock it to the mounting bracket, and fix it firmly with the hanging rod (Figure 13). The net height of the ceiling space formed by the suspended ceiling and the top of the house should not be less than 165mm.



2. Suitable for, plastic tiles, and gypsum ceilings

2-1. Cut the fan unit installation hole

Cut a 605*305mm rectangular hole at the appropriate position of the suspended ceiling (Figure 11), and use reinforcement blocks with a cross-section of 30*30mm to lay a fixed frame. The reinforcement blocks need to be reliably reinforced with hanging rods or other means. Take out the bracket locking piece and fix it on the reinforcement block (Figure 14). The net height of the ceiling space formed by the suspended ceiling on the top of the house should not be less than 165mm.

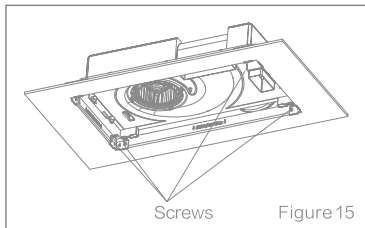
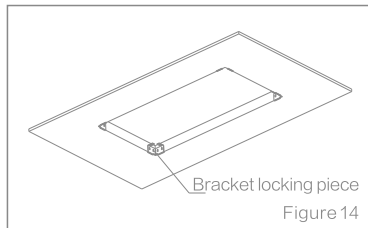
3. Power connection

First pull the fan unit cable out from above the ceiling, remove the terminal cover, and connect the power cable according to the wiring diagram (Figure 19). If there are other external lighting,

connect the external lighting circuit according to the wiring diagram (Figure 19), press the power line with a wire clamp and install the terminal cover.

4. Install the fan unit and connect the air duct

Place the fan unit at an angle into the ceiling, pull out the end of the ventilation pipe that extends into the room, put it on the air outlet of the product, and secure it with a clamp. (The direction of the ventilation pipe should be kept as straight as possible). Use screws to lock the fan unit and the bracket locking piece (Figure 15).

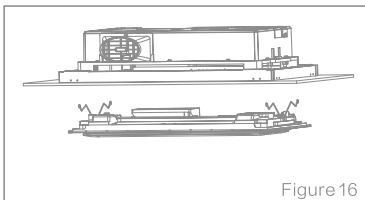


5. Install the grille

Note: During the installation process, the grille needs to be held to prevent grille falling until the installation is completed.

Remove the grille, connect the light connection harness, display connection harness and the corresponding connectors of

the fan unit (Figure 16), align the grille air outlet with the air outlet on the fan unit, insert the torsion springs on both sides of the grille into the slots on both sides of the fan unit, align the screw columns on both sides of the grille with the corresponding screw columns on the fan unit, Manually slide the panel open until the four



screw holes on both sides are visible, and tighten the four screws to complete the installation (Figure 9).

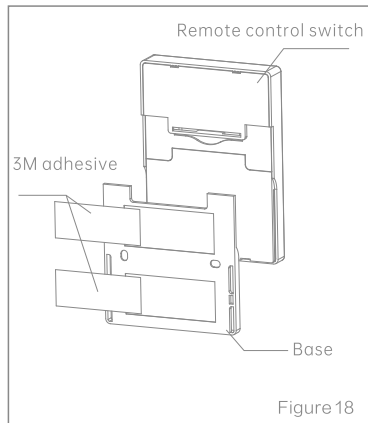
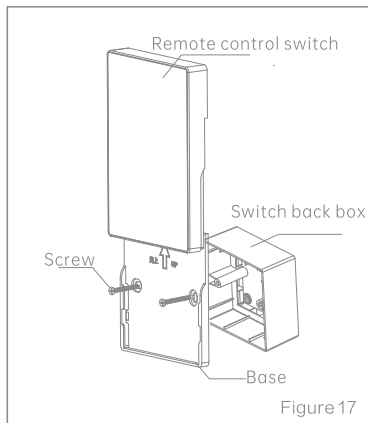
Note: Please refer to the instructions on the grille packaging bag for the operating instructions for sliding open the panel.

3、Remote control installation

Note: Before installing the remote control, it is necessary to check the signal reception at the pre installed position. If the signal cannot be received normally at that position, please check again Choose the installation location of the remote control or remove the remote control from the base when using it, and operate it near the bathroom heater during use.

① Installation method 1: Use screws to fix the remote control base on the bottom box (Figure 17), insert the remote control into the base, turn on the power, and confirm that all functions of the product are normal.

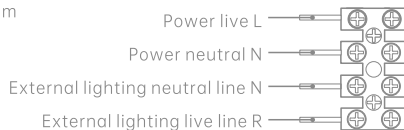
② Installation method 2: Paste 3M adhesive into the groove on the back of the base, select a suitable installation position, and paste the base onto the wall (please ensure that the pasting position is clean and dry before installation, otherwise it will affect the pasting effect). Insert the remote control into the base, turn on the host power, and confirm that all functions of the product are normal (Figure 18).



• Installation wiring diagram •

Host terminal wiring diagram

Power cable



※ Please connect the wires strictly according to the diagram. Incorrect wiring may cause the product to malfunction or even be damaged.

Figure 19

· Maintenance ·

1. The power supply must be disconnected before cleaning;
2. When cleaning, gently wipe the surface of the mask with a soft cloth soaked with neutral detergent;
3. All electrical components must not come into contact with water.

· Service ·

I . Warranty

Warranty period: This product is guaranteed for three years.

Within three years from the date of purchase, AUPU is responsible for repairing or replacing any spare parts with quality problems.

1. Warranty coverage:

- a. Strictly follow the requirements of the instructions, and there are problems in the installation and correct use of the whole machine;
- b. Problems arising during maintenance and installation by our company or designated professionals.

2. Non-warranty coverage:

- a. Damage caused by non-installation, use or maintenance in accordance with the requirements of the instructions;
- b. Damage caused by not correct wiring according to the wiring diagram;
- c. Damage caused by parts maintenance by non-designated professionals;
- d. Damage caused by force majeure factors.

II . After-sales service

If you have any questions and require consultation or service, please contact the local agent or special maintenance point of AUPU.

For any problems within or outside the warranty period, AUPU will try its best to serve you based on the principle of "customer first".

All illustrations and information in the instructions are for reference only. In order to make the products better adapt to customers, our company will constantly improve and innovate. If the products are adjusted, please refer to the actual product.

· Recycling ·



1. The products are designed and manufactured with high-quality materials and components, which can be recycled;
2. Please be familiar with the local futures index, classification and collection mechanisms for electronic and electrical products;
3. Please follow local rules and regulations and do not dispose of old products with general household garbage;
4. Proper disposal of products helps to avoid potential negative effects on the environment and human health.

▲ The company reserves the right to modify the instructions for use without any notice.

Cut along the dotted line and give to the service personnel.

AUPU Service Record Card

Name: _____

Tel: _____

Address: _____

Barcode: _____

Model: _____

Purchase Date: _____

Store of Purchase: _____

1.If defects occur within the warranty period, the product or defective components can be repaired or replaced free of charge with a valid purchase receipt.

Store Address: _____

2.If the product is out of the warranty period or beyond the warranty coverage, all repair costs, including material and on-site service fees, are the responsibility of the customer.

Invoice Number: _____

3.This product has a three-year warranty from the date of purchase.

4.This card is used solely for recording repair services.

Cut along the dotted line and give to the service personnel.

AUPU Service Record Card

Name: _____

Tel: _____

Address: _____

Barcode: _____

Model: _____

Purchase Date: _____

Store of Purchase: _____

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Please read this manual carefully before attempting to use.

AUPU Intelligent Technology Corporation Limited.

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