

AUPU Cooling Fan

User and Installation Manual BC15-1D-ML

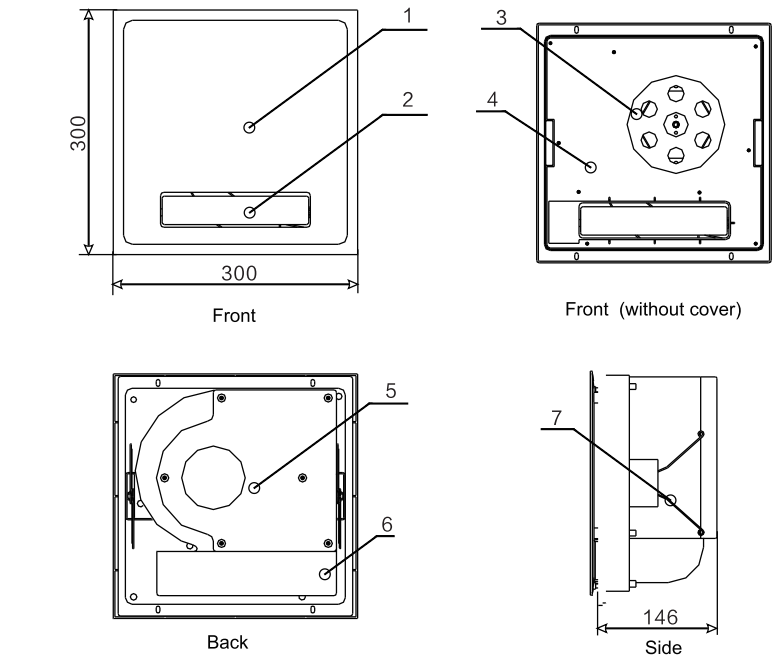
Preface

Dear users:

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

Please keep this operating manual safely for future reference (keep it for later use).

Schematic diagram of main components of the product



1	Grille/Panel	5	Back Cover
2	Louver	6	Fan Body
3	Blower	7	Spring
4	Front Cover		

Installation

I. Preparation before installation

1. Determine the product installation location

To achieve the best experience, the product should be installed in a suitable position on the bathroom or kitchen ceiling and away from the shower area. Keep the grille at least 2.3m from the ground. Too high or too low will affect the use effect.

2. Remove the grille

Carefully pull the grille aside, compress the fixing spring and remove the grille from the fan body.



Notice

- Keep the product at least 250mm from the wall;
- This product should be installed as far away from combustible materials such as curtains and electrical products as possible to avoid danger;
- This product can only be installed on horizontal surface;
- The fixed wiring to which the apparatus is connected shall be fitted with devices whose contact openings provide for all-pole disconnection of the power supply;
- Avoid switch wiring at shower room or bathtub;
- 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;
- If a stationary appliance is not fitted with a supply cord and a plug, or with other means for disconnection from the supply mains having a contact separation in all poles that provide full disconnection under overvoltage category III conditions, the instructions shall state that means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.



Prohibition

- This product must not be installed in places with severe water seepage;
- This product must not be installed under a fixed socket.

II. Installation

A. Dropped/Grid Ceiling Installation (applicable to square tiles)

1.Install ceiling and tiles

Lay the grid horizontally (the net height of the vacancy above suspended ceiling is not less than 150mm), install the tiles aside from the tiles near the electrical appliances for the moment. (Figure 1)

2.Installation of the mounting bracket

First loosen the screws on both sides of the mounting bracket, separate the mounting brackets by an appropriate distance, clamp the sliding slot on the grid according to the product installation position and pre-tighten the screws. The distance between the two mounting frames is about 300mm. (Figure 2)

3.Wiring

a. Lighting Connection (Lighting to be purchased separately)

Remove the back cover of the unit, power wire clamp, and lighting wire clamp. Connect the pre-installed lighting power wire from the ceiling to the lighting terminal, secure the lighting power wire with the wire clamp, and refer to (Figure 9) for wiring.

b. Power Wire Connection

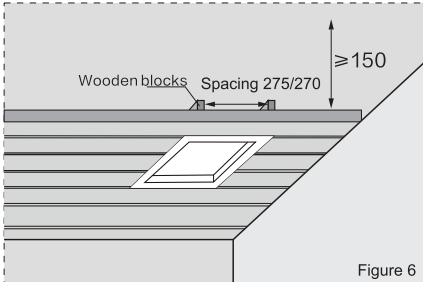
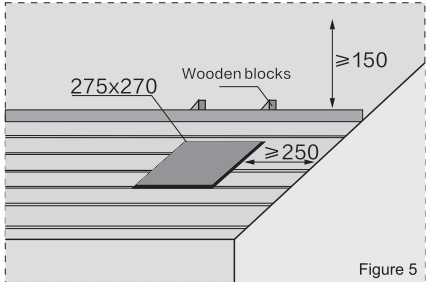
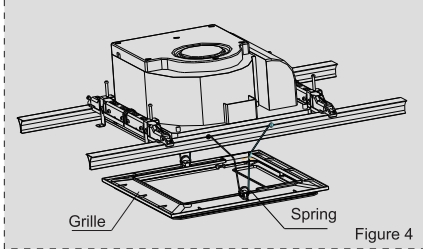
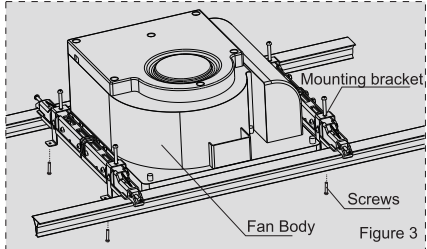
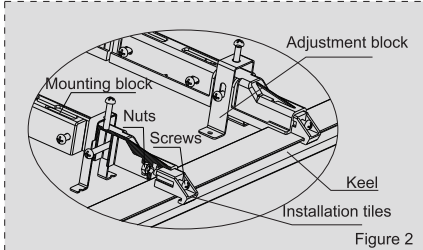
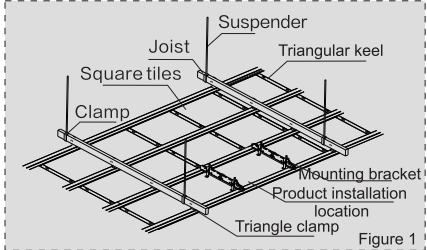
Wire the fan power supply according to (Figure 9), then secure the power wire with the wire clamp, and finally install the back cover of the unit.

4.Fan installation

Determine the air blowing direction, push the unit upwards between the two mounting brackets, and fix the unit to the mounting brackets with four ST4x16 screws. (Figure 3)

5.Install the grille

Compress the spring on the grille and insert it into the corresponding slot of the box to ensure that the grille fits properly with the fan body. And make sure the grille is installed firmly, and install the tiles around the fan installation location. (Figure 4)



B. Drywall Ceiling installation method (applicable to long tiles, plastic tiles, plasterboards)

1. Opening Cutting

Cut 275 x 270mm square hole at a suitable location on the ceiling, with the hole no less than 250mm away from the wall. The net height of the suspended ceiling space should not be less than 150mm. (Figure 5)

2.Install wooden blocks

Two 30 x 40 mm wooden blocks were fixed on the opposite sides above the opening. The inner spacing of the blocks should be the same as the spacing of the ceiling openings.

3.Wiring

a. Lighting Connection (Lighting to be purchased separately)

Remove the back cover of the unit, power wire clamp, and lighting wire clamp. Connect the pre-installed lighting power wire from the ceiling to the lighting terminal, secure the lighting power wire with the wire clamp, and refer to (Figure 9) for wiring.

b. Power Wire Connection

Wire the fan power supply according to (Figure 9), then secure the power wire with the wire clamp, and finally install the back cover of the unit.

4.Fan installation

Determine the blowing direction and push the fan body of the ventilation fan into the holes of the ceiling (Figure 6), and then use 4 ST4x20 wood screws to fix the ventilation fan box to the ceiling wood block. (Figure 7)

5.Install the grille

Compress the spring on the grille and insert it into the corresponding slot in the fan body to ensure that the grille fits tightly and well with the fan body, and confirm that it is installed firmly. (Figure 7)

III. Fixed Remote Control

Select a suitable location, secure the remote control box to the wall using the provided expansion tube from the packaging, connect to power, and confirm that all functions of the product are operating properly. (Refer to Figure 8)

Service Record Card (for user)

User name / Organization : _____ Purchase address / organization: _____

Invoice number: _____ Product barcode: _____ Model: _____

Purchase date: _____ Installing date: _____ Contact number: _____

Post code: _____ User address: _____

Invoice attachment location:

* Please attach your purchase invoice here for maintenance and repair purposes.

* Note: Please keep this card and the purchase invoice properly; the purchase invoice is required for regular warranty. For warranty terms, please refer to the warranty instructions.

Maintenance record	Maintenance date	Failure and maintenance	Result	Maintenance personnel signature
1				
2				
3				

1.If any fault occurs during the warranty period, you can provide a valid purchase invoice for free repair or free replacement of damaged components;

2. All costs incurred for repairs beyond the warranty period or beyond the warranty scope of this product shall be borne by the user (including material costs and door-to-door service fees);

3. This product is covered under warranty for three years from the date of purchase;

4. The warranty service record card is only used for maintenance record only;

* Cut along the dotted line and give it to the service staff.

For service provider

User name: _____ Product barcode: _____ Model Number: _____

Invoice number: _____ Place of purchase: _____

Date of purchase and installation: _____ Organization name: _____

Home address: _____ Contact number: _____ Postcode: _____

AUPU Intelligent Technology Corporation Limited Address: No. 210, No. 21 Street, Hangzhou Economic and Technological Development Zone Tel: 0571-88175176 Website: www.aupu.net
National unified service hotline: 4001991999 Zip code: 310018

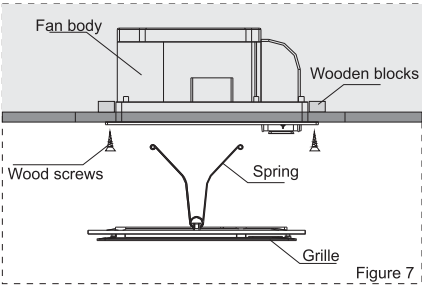


Figure 7

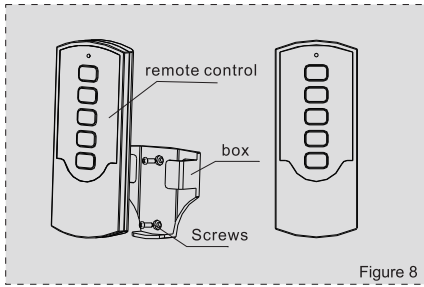


Figure 8

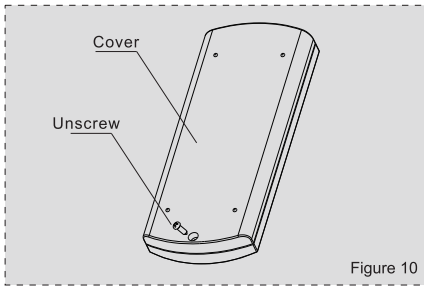


Figure 10

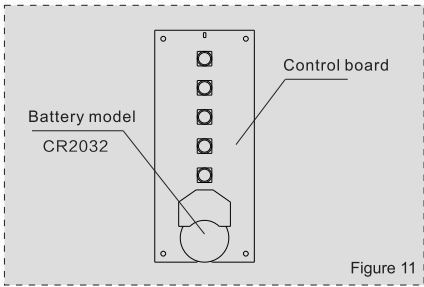


Figure 11



Notice

- Please fix the remote control box in a position that is box away from the water source or less prone to water splashes.
- Before installing the remote control, be sure to test the signal reception at the pre-installation position. If the signal cannot be received normally at this position, please choose another installation position for the remote control.

IV. Wiring diagram

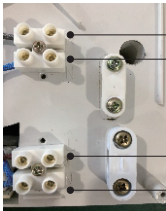


Figure 9



Notice

- For the power cord, please use a certified twisted soft wire with certification not less than 227IEC53, and wire cross-sectional area of $2 \times 0.75\text{mm}^2$ - $2 \times 1.0\text{mm}^2$;
- When wiring, all the fastening screws on the terminal must be tightened to avoid potential safety issues caused by loose terminals;
- After wiring is completed, the back cover should be installed properly to avoid potential safety risks caused by moisture.

User Manual

I. Remote control pairing

Connect the fan to power. While the buzzer emits a continuous beeping sound (within the 10-second duration), first press and immediately release the Lighting key on the remote control, then press the Standby key on the remote control within 2 seconds. The product will beep three times rapidly, indicating successful pairing.

If pairing fails, disconnect and reconnect the power, then repeat the above operation.

II . Functions

1. Lighting (Lighting to be purchased separately)

Press the "Lighting" key once to turn on the lighting function; pres the "Lighting" key again to turn off the Lighting function

2. Fan

Press the "Fan" key once to turn on the blowing function; press the "Fan" key again to turn off the blowing function; The blowing function will automatically shut off after 120 minutes when activated.

3. Negative ion

Press the "Negative Ion" key once to turn on the negative ion; press the "Negative Ion" key again to turn off the negative ion; The Negative Ion function will automatically shut off after 120 minutes when activated.

4. Swing

In the blowing and negative ion mode: press the "Swing" key once to turn on the swing; press the "Swing" key again to turn off the swing; the wind guide angle can be adjusted by switching the "Swing" key; when the blowing and negative ion are turned off, the swing is also turned off at the same time.

5. Standby

Press the "Standby" key to turn off all functions.



Notice

- 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;
- The elderly, children and people with limited mobility should use this product under the supervision and guidance of their family members.

III. Battery replacement

1. Use a screwdriver to unscrew and remove the cover of the remote control (Figure 10);
2. Remove the control board, push the battery out from the control board, and replace it with a new one (Figure 11);
3. Reassemble the control board with the cover, then tighten the cover using the removed screws.



Notice

- Please notify the professional maintenance personnel from Aupu for battery replacement. If the remote control Fault or damaged due to the customer's replacement of the battery, the customer is shall bear the loss.

Maintenance

1. Be sure to cut off the power supply before maintenance.
2. Remove the grille and parts that need to be cleaned, rinse with brush and clean water. If there is hard-to-remove dirt, soak in neutral detergent. The motor and electrical components must not be exposed to water.
3. Allow the cleaned parts to air dry or wipe dry before reinstalling.

Prohibition

Do not use gasoline or corrosive chemical reagents to clean machine parts, and do not use hot water higher than 60 °C to soak plastic parts;

Common troubleshooting methods

Fault	Causes and solutions
Motor does not rotate	1. The power supply is not connected , The power supply is faulty 2. The motor is faulty, replace the motor 3. The capacitor is damaged, Replace the capacitor 4. The power board is faulty, Replace the power board
The motor is noisy	1. The fixing screws of the motor are loose, tighten the screws; 2. The wind wheel is deformed, replace the wind wheel; 3. The motor fails, replace the motor.
The shutter cannot swing	1. The power supply is not connected , The power supply is faulty 2. The stepper motor is faulty, Replace the stepper motor 3. The power board is faulty, Replace the power board
The light is off	1. The power supply is not connected , The power supply is faulty. 2. The lighting circuit is faulty; 3. The power board is faulty, replace the power board.
Remote control failure	1、 The power board is faulty, Replace the power board 2、 Remote control battery is low, Replace the batteries 3、 Remote control code loss, Replace the batteries

Service

Service

I . Warranty

Warranty period: This product is subject to a three-year warranty.

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

1. Warranty coverage:

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

2. Non-warranty coverage:

- a. Damage caused by installing, use or maintenance not 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 that need 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 serve you wholeheartedly based on the principle of "Customer first".

Main parameters

Model	Rated voltage	Rated frequency	Rated power	frequency band (s)	maximum radio-frequency power transmitted
BC15-1D-ML	220-240V	50-60Hz	34W	2402 MHz to 2480 MHz 2401.306MHz 2441.306MHz	5dbm

- External Connected lighting power ≤20W.
External connected lighting must be LED.

Packing list

Model	Fan unit	Installation & User Manual	Accessories
BC15-1D-ML	x1	x1	x1

Name and content of hazardous substances in products

Part name	Hazardous substances					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr (VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenylethers (PBDE)
External components	○	○	○	○	○	○
Internal components	○	○	○	○	○	○
Electrical components	×	○	○	○	○	○
accessory parts (Remote Controller, Battery, etc.)	×	○	○	○	○	○

This form is prepared in accordance with the provisions of RoHS.

○: The content of the hazardous substance in all homogeneous materials of the component is below the limit requirements specified in RoHS.

×: The content of the hazardous substance in at least one-homogeneous material of the part exceeds the limit requirements specified in RoHS.



Recycling



The products are designed and manufactured with high-quality materials and components and can be recycled; Please be familiar with the local futures, classification and collection mechanisms for electronic and electrical products; Please follow local regulations and do not dispose of old products with normal household waste; Proper disposal of the product helps prevent potential negative consequences for the environment and human health.

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