

Aqara Bath Heater T1 Introduction

Content

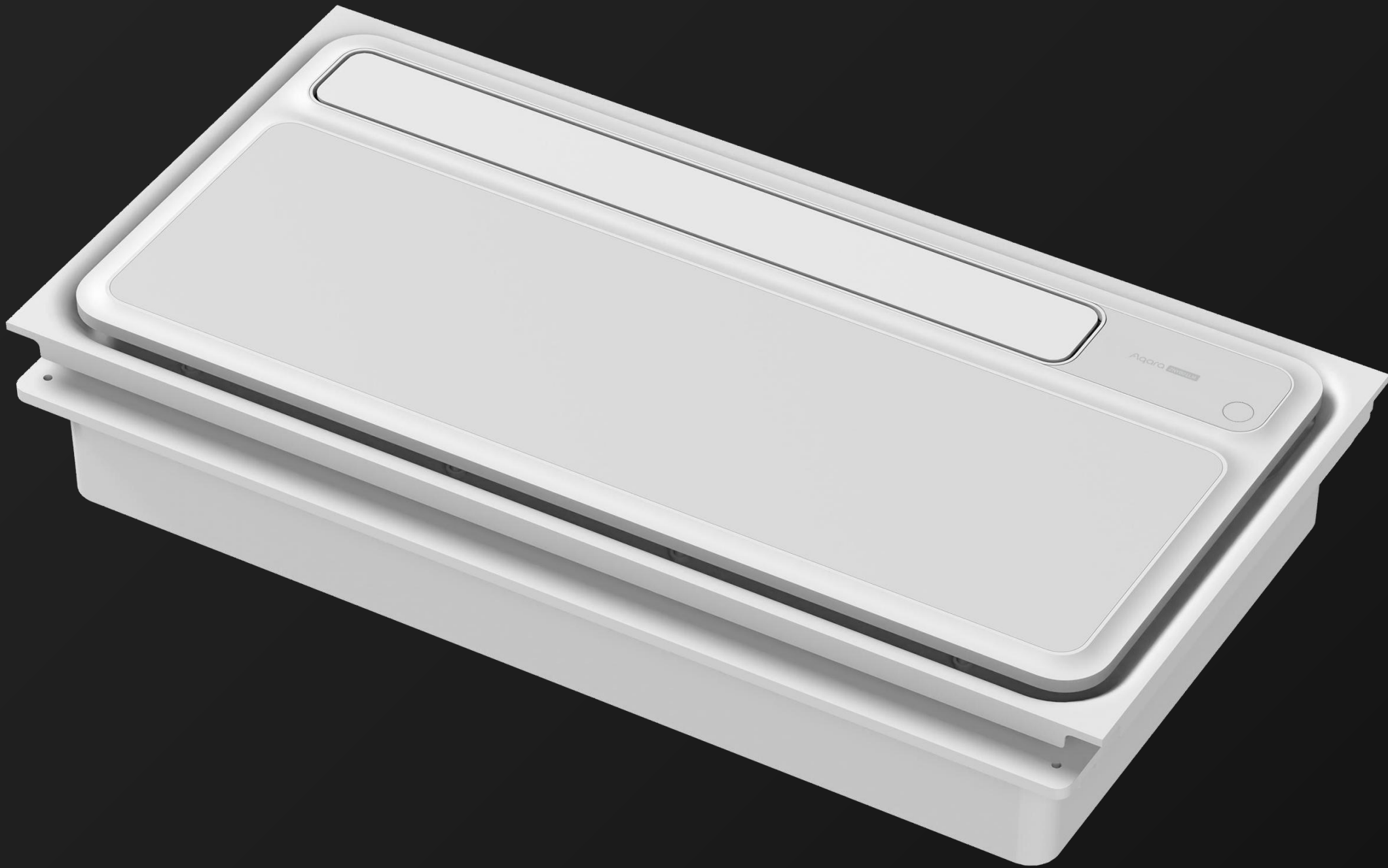
- **Product Profile**
- **Product Features**
- **Product Installation**
- **FAQ**

Product Profile



The Aqara Smart Bath heater T1 is a smart constant temperature-controlled bath heater product that provides a comfortable bathing experience with its 2800W high-speed heating and dual DC variable frequency motor with super large air volume. It has four working modes: heating, ventilation, blowing, and drying, and integrates dual color temperature dimming lighting function, which can meet various usage needs of the bathroom. This product has been connected to Aqara Home and Apple HomeKit full smart home, and paired with Aqara smart devices, it can achieve a rich smart automation experience.

Note: This product needs to be used in conjunction with Aqara Zigbee3.0 hub functionality. Some functions require specific model hub support. For a detailed list, please refer to: www.aqara.com/suppor



Content

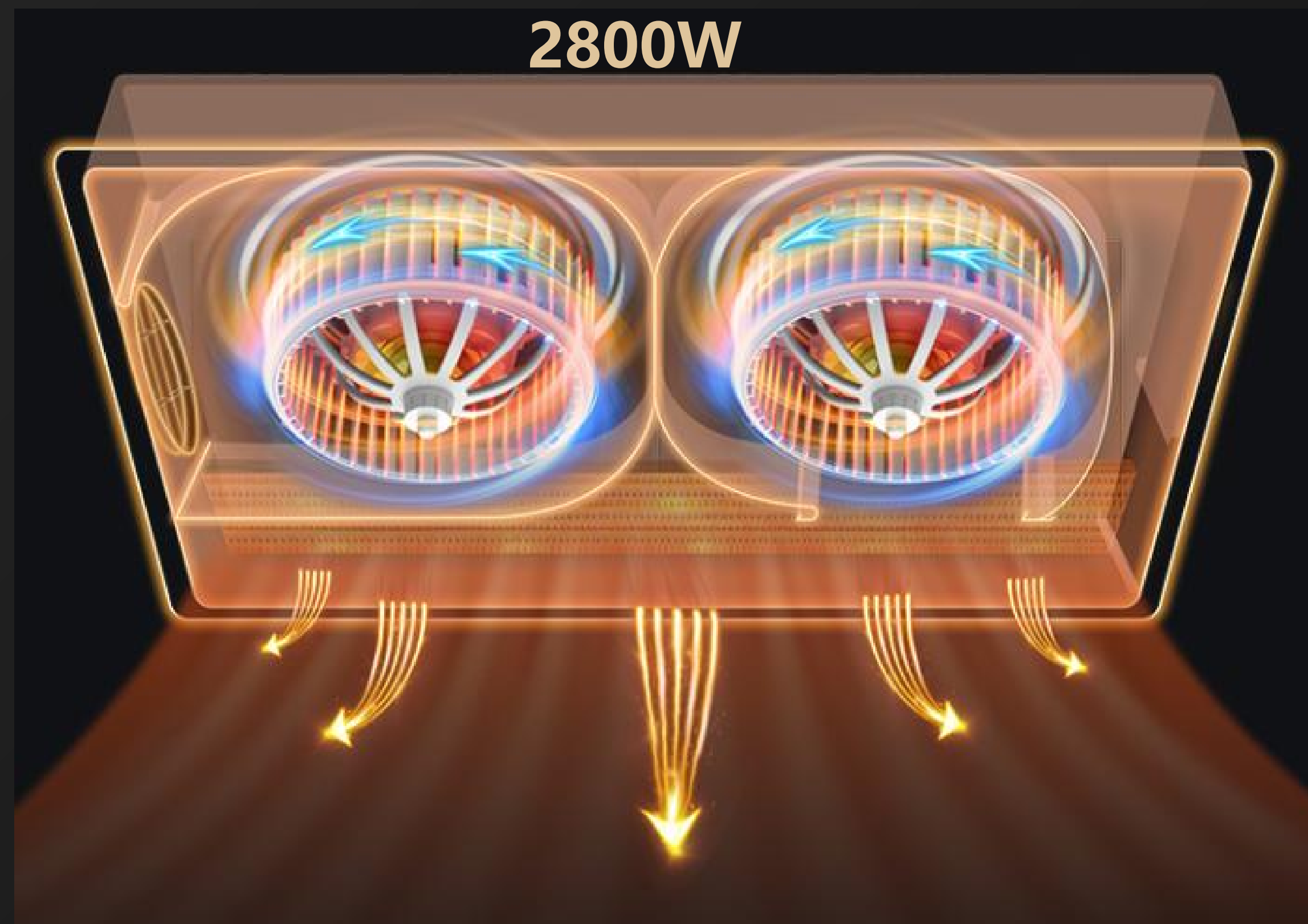
- **Product Profile**
- **Product Features**
- **Product Installation**
- **FAQ**

Product Features

Aqara

2800W dual core high-speed heating

Dual motor heating system with larger air volume for higher heating efficiency and less waiting for bath

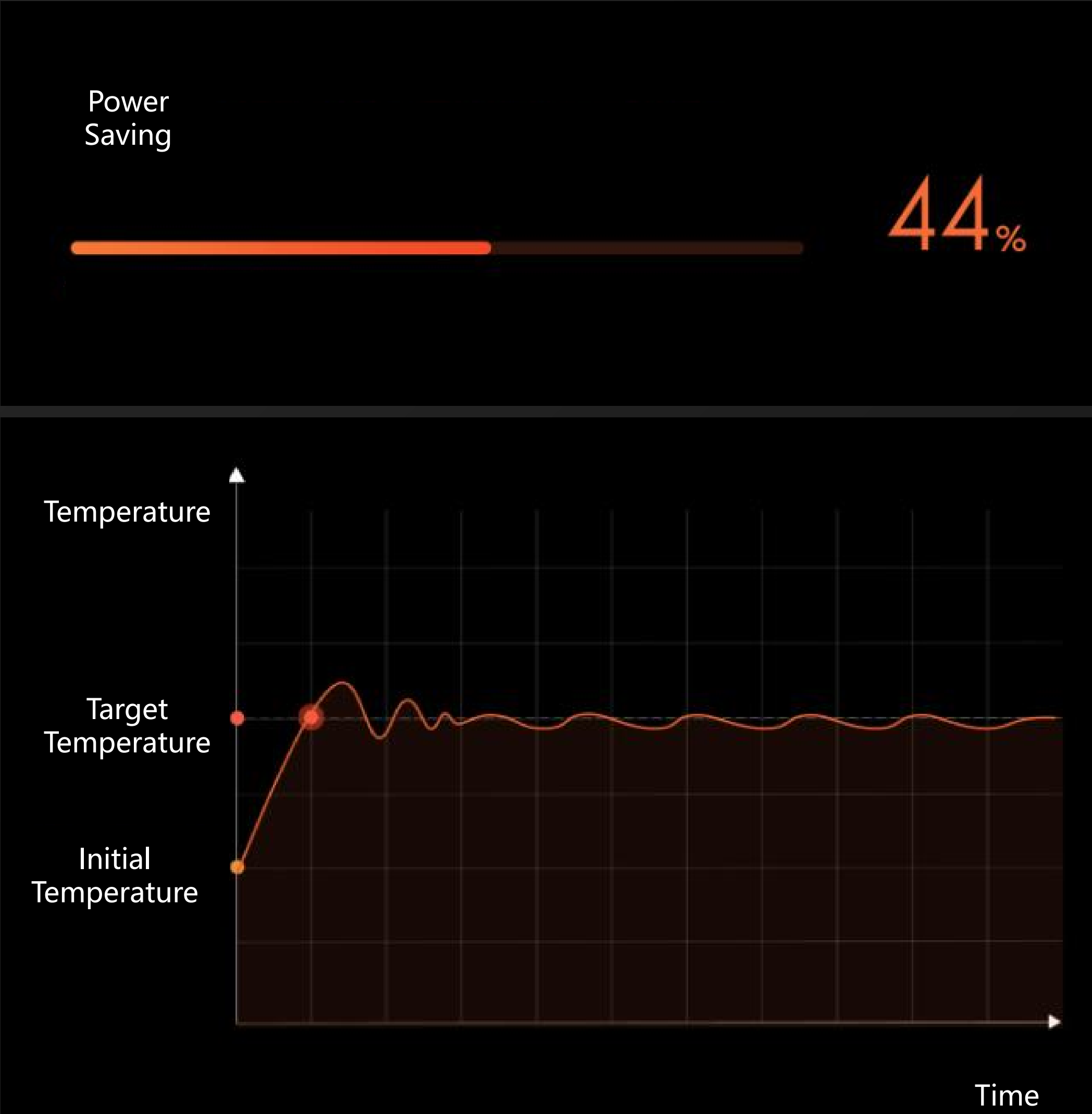


Product Features



DC variable frequency constant temperature control, comfortable bathing from start to finish

Self developed constant temperature variable frequency control algorithm, precise temperature control, more comfortable bathing, reducing stuffiness, green and energy-saving

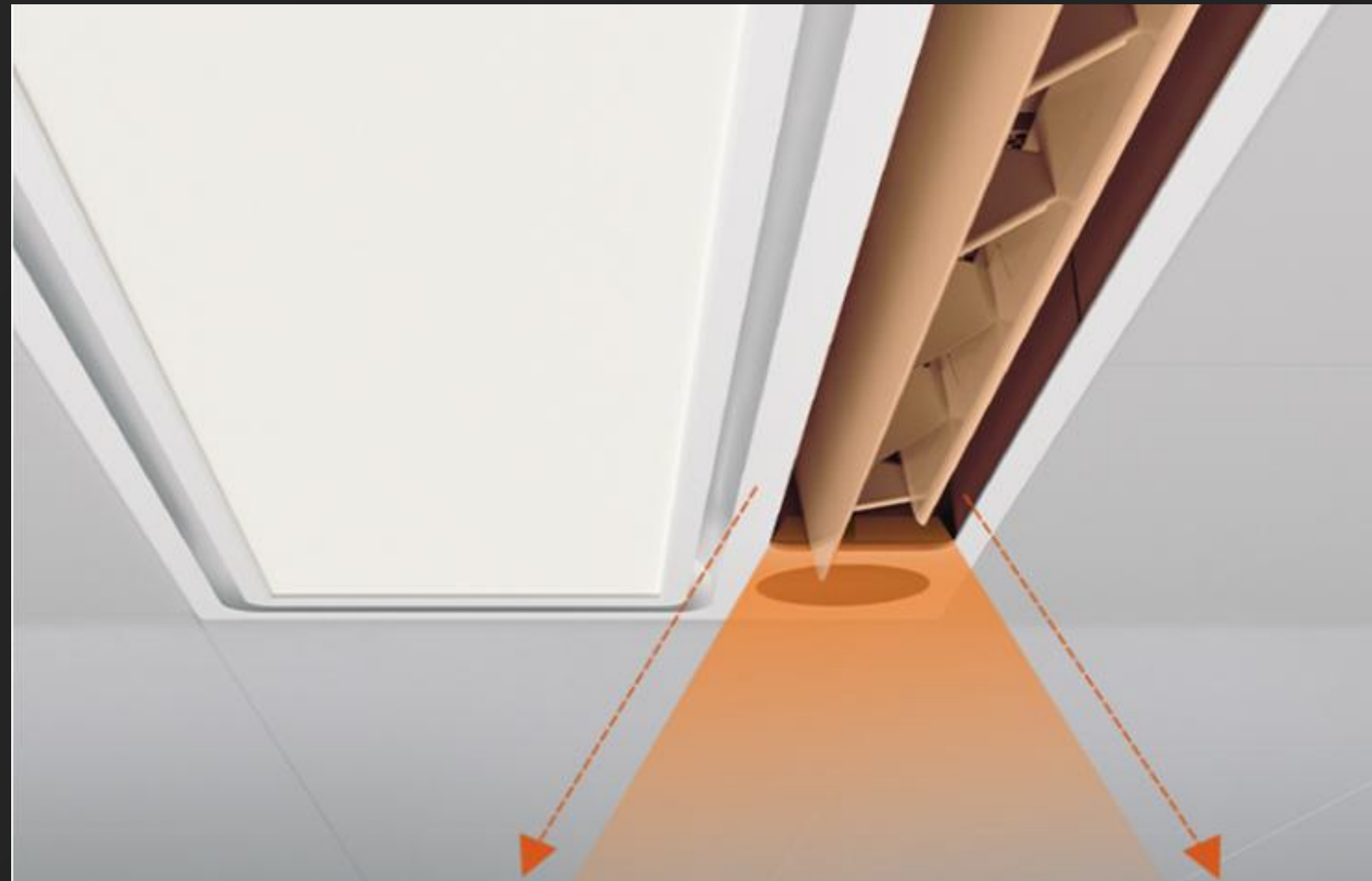


Product Features

Aqara

Ultra wide air outlet and wide angle air guide, warm bathroom from all angles

Ultra wide real heating element, air outlet, wide air curtain, 120 ° ultra wide-angle air guide plate, fully and evenly increasing bathroom temperature



Product Features

Aqara

Warm, blowing, ventilated, dry, and comfortable throughout the year

Whether it's spring, summer, autumn, winter, severe cold and heat, or humid and odorous, it can create a comfortable bathroom environment for you



**Efficient ventilation, clean
and fresh bathroom**



**Smart drying, bid farewell
to moisture mold**

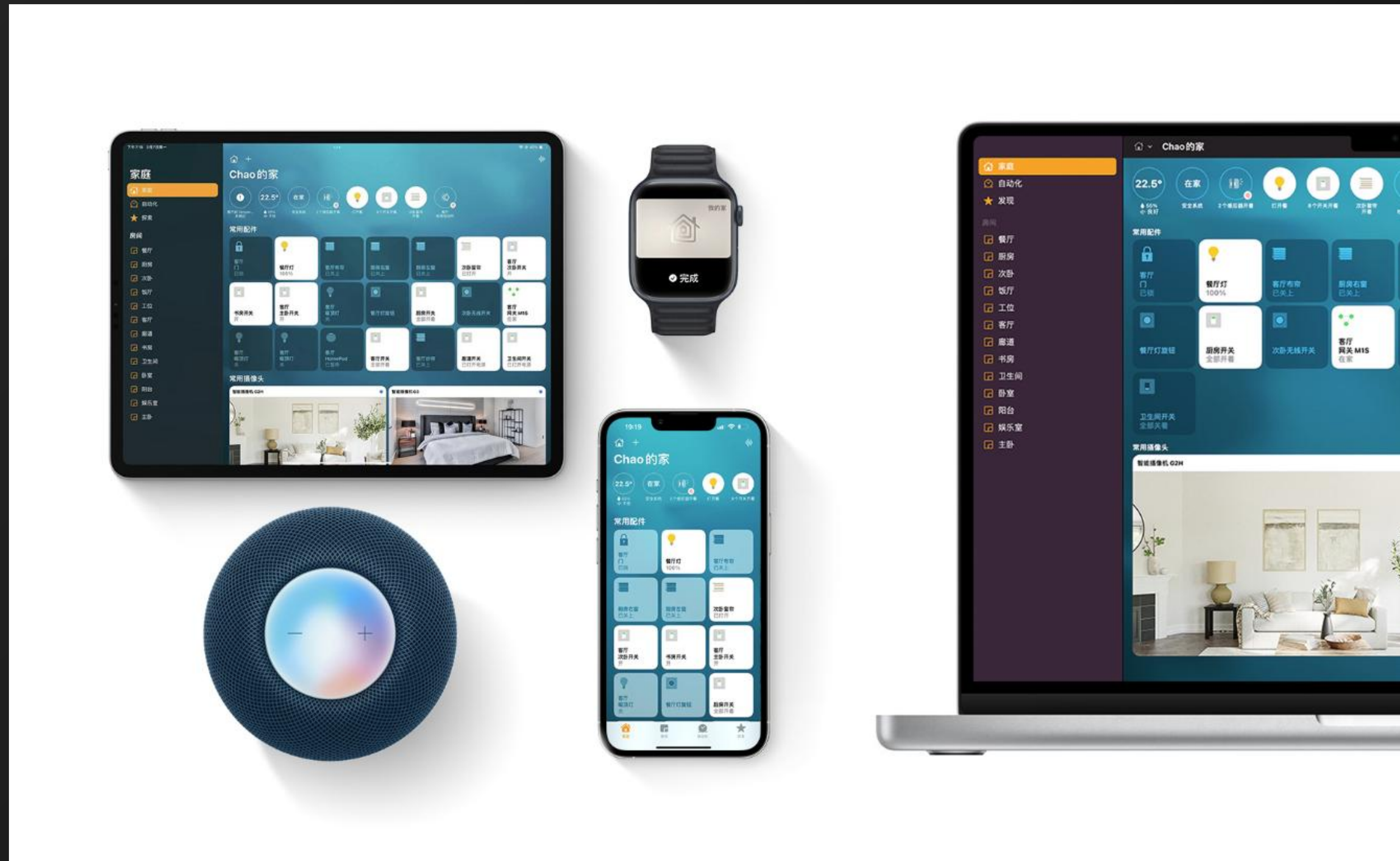


**The natural wind blows, the
summer is not stuffy**

Product Features

Aqara

The world's first HomeKit certified smart bath heater, tell Siri for showering

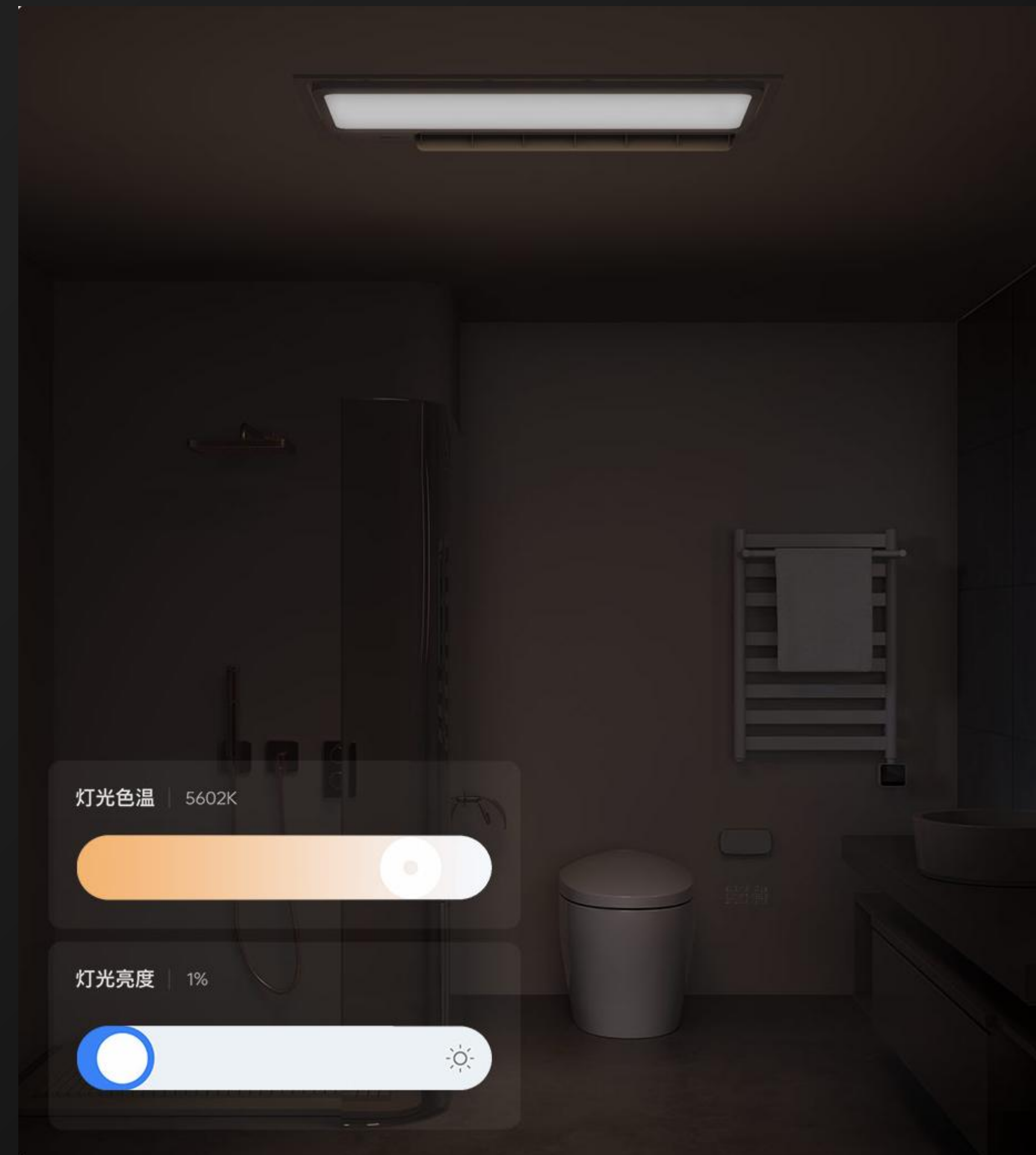
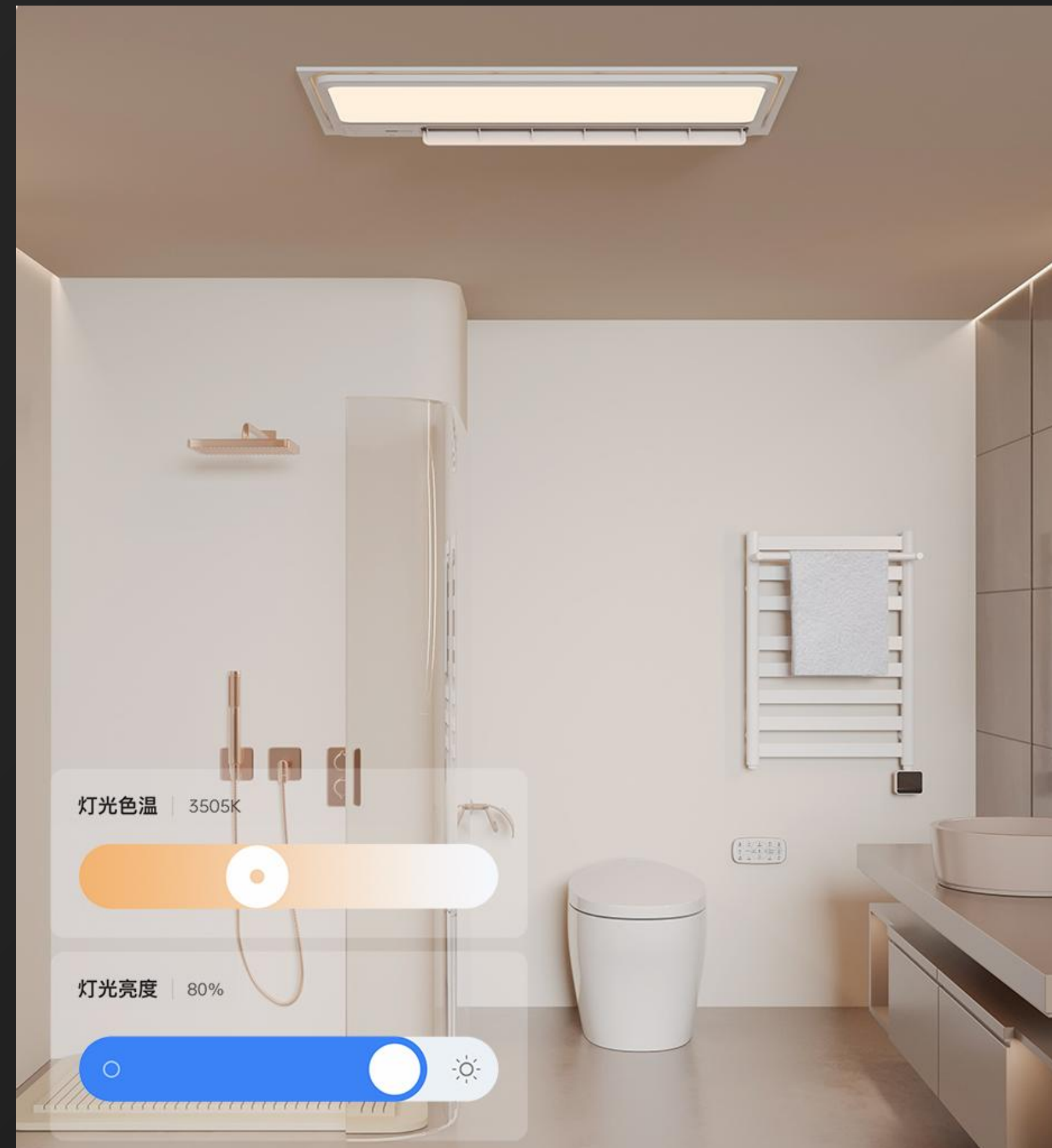


Product Features

Aqara

Dual color temperature dimming lighting, innovative bathing mode, comfortable bathing

When you start taking a shower, the warm light drives away the cold, while the bright light in the shower relieves your suffocation



Functions & Specifications



Item	Specification
Product name	Bath heater T1
Model	ZNYB01LM
Dimention	300×x600×34mm (Panel); 330×580×90mm (Bath heater)
Package size	700*205*400mm
Wireless connection	Zigbee 3.0,Bluetooth 5.0 (remote controller)
Rated input	220V~50Hz
Rated power	2800W
Heating power	2700W
Ventilation power	20W
Lighting power	22W (132 x 0.2W/LED module)
Lighting color temperature	2700-6500K
Lighting power factor	0.5
Lighting power supply current	180mA
Working humidity	0-90% RH, noncondensing
Protection level	IPX2 (indoor heater), IP20 (lamp)

Functions & Specifications - Remote Controller

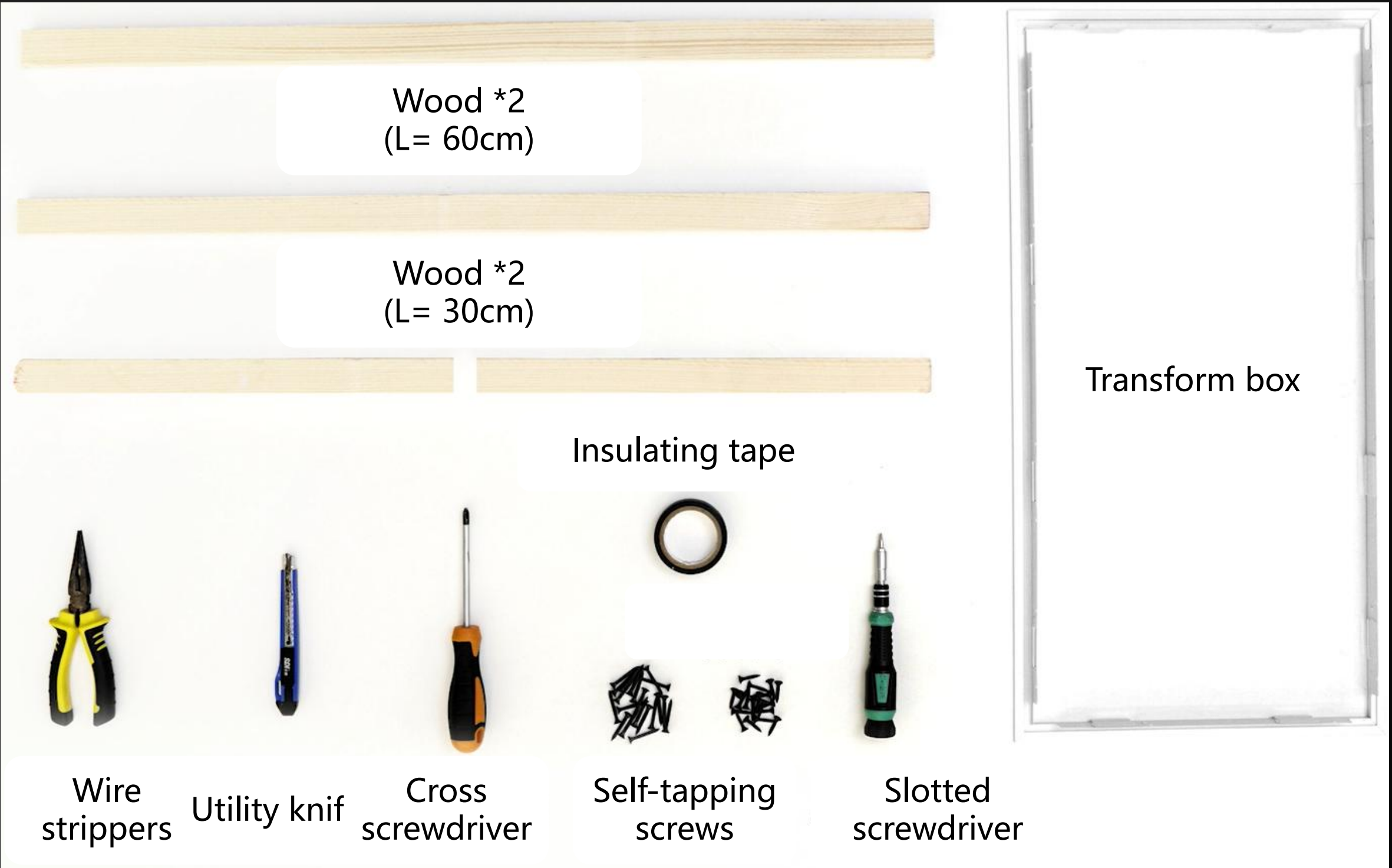
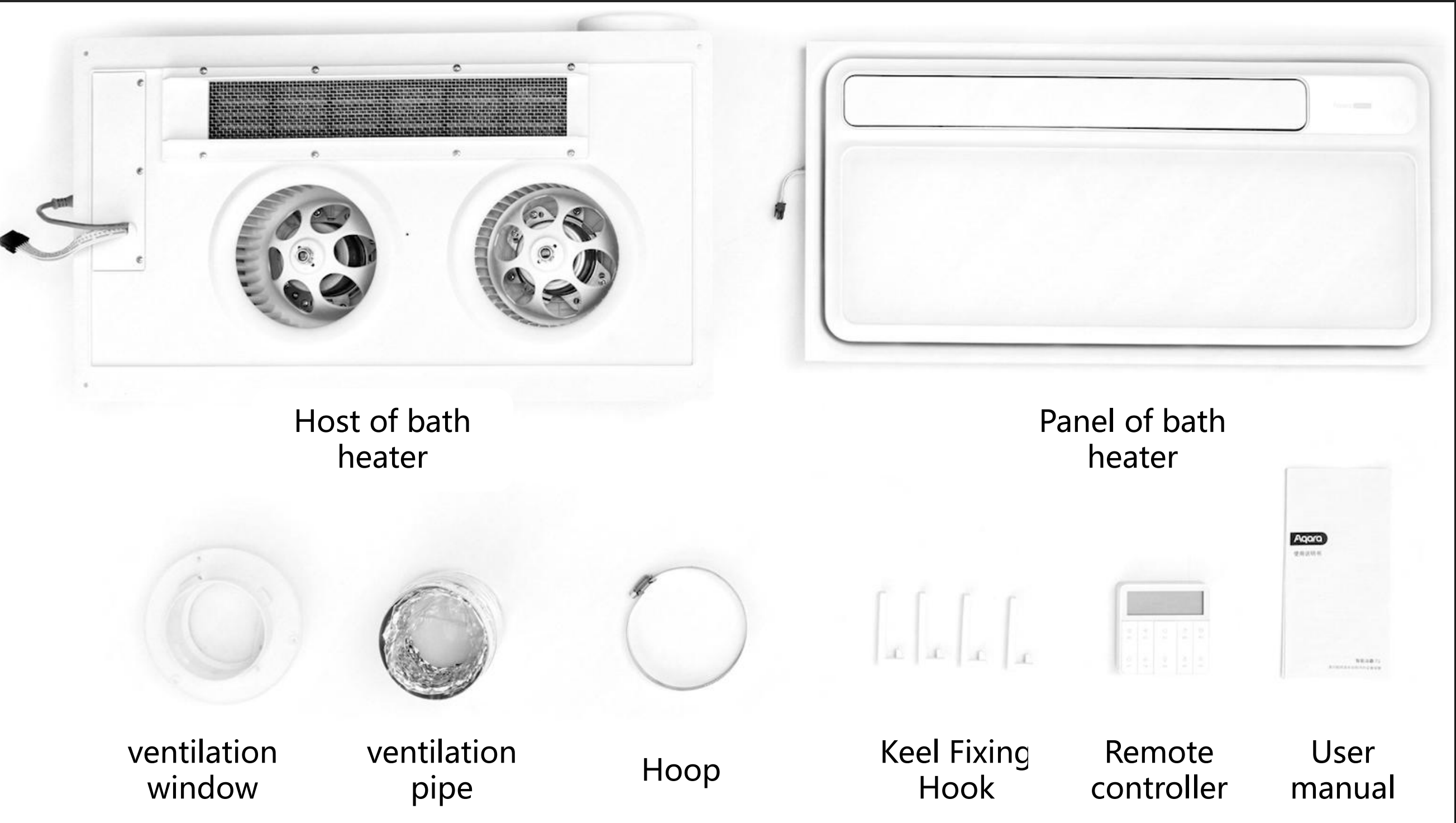


Item	Specification
Model	YBYKQ01LM
Wireless connection	Bluetooth5.0
Dimention	86×86×10.8mm
Protection level	IPX4
Battery	CR2032×2

Content

- **Product Profile**
- **Product Features**
- **Product Installation**
- **FAQ**

What's in the box



Installation Environment



Please determine whether the installation conditions are met based on the type of ceiling. Currently, the following installation methods are supported:



1. Conventional integrated ceiling

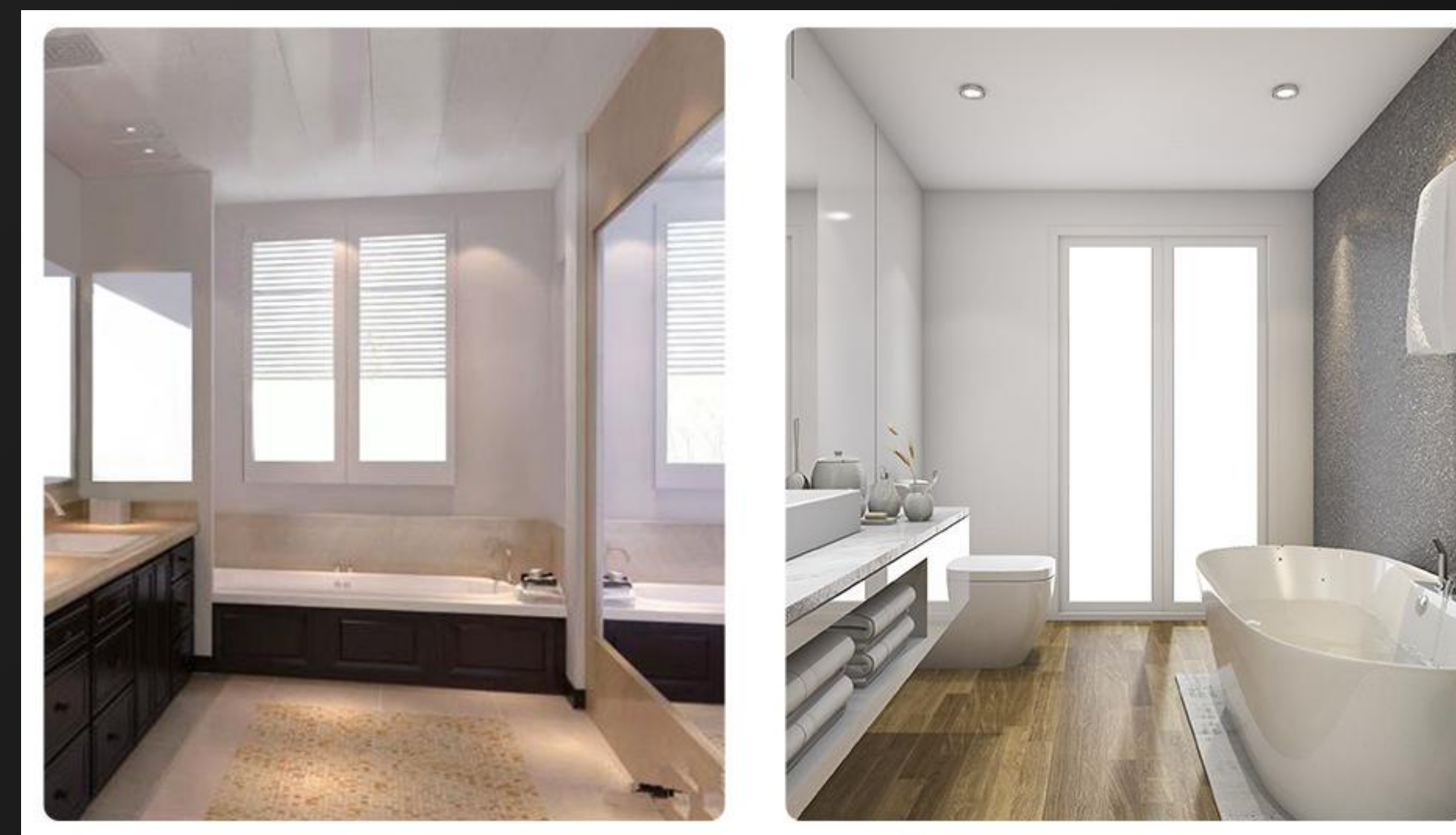
Suitable ceiling specification: 300 × 300mm or 300 × 600mm

integrated suspended ceiling with gusset plate.

Keel height requirement: 25-30mm, keel height less than 25mm,
need to elevate the main body of the bath heater.

Distance between suspended ceiling and top wall surface: $\geq 14\text{cm}$

*Please be sure to use 2 pieces with a cross-sectional area of $\geq 1.5\text{mm}^2$ The power cord (it is strictly prohibited to use plugs with specifications below 16A for wiring), and the power cord is only used for bath heater power supply.



2. Other suspended ceilings

Ceiling Spec: PVC, gypsum, aluminum plastic board, wood, large-sized gusset board, etc

Ceiling opening size: $305 \times 605\text{mm}$

Conversion box size: 300 × 600mm

Distance between suspended ceiling & top wall surface: $\geq 17\text{cm}$

Installation Requirements



1. The suitable ceiling type for this product is 300 × 300mm or 300 × 600mm integrated ceiling, other sizes of integrated ceiling or other types of ceiling need to be modified and installed with conversion frames (not standard in the product, please provide yourself);
2. The distance between the lower surface of the integrated ceiling and the top wall of the bathroom must be greater than 14cm, and the distance between the lower surface of the nonintegrated ceiling and the top wall of the bathroom must be greater than 17cm;
3. The distance from the surface of the installed bath heater panel to the ground should be greater than 2.3m;
4. The distance from the edge of the bath heater to the walls on all sides should be greater than 300mm, and the distance from the ventilation outlet of the bath heater to the wall ventilation hole should be less than 1.5m;
5. There must be a leakage protection switch in the power supply that meets local requirements (E.g., in China CCC requires a specification of no less than 250V~20A and a leakage current below 30mA);
6. It is recommended to use 60227 IEC53 (RVV) 2 × 1.5mm² power cord for this product (it is strictly prohibited to use plugs with specifications below 16A for wiring), and the power cord is only used for power supply of bath heater, and should not be shared with other electrical appliances (such as electric water heaters);
7. It is prohibited to install in a position with water seepage. The product only supports panel installation downwards and horizontally and cannot be installed on inclined suspended ceilings or vertical walls.



Installation Precautions

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- ◆ **Before installation, be sure to cut off the power supply (air switch) to prevent electric shock! During the installation process, it is necessary to strictly follow the instructions. If installed improperly, the product may not function properly, and may even cause dangerous situations such as fire and electric shock.**
 - ◆ **This product must be wired, installed, and wired by professional electricians and other professionals in accordance with local electrical standards to avoid dangerous situations such as fire and electric shock.**
1. It is strictly prohibited to install this product near curtains and other flammable and explosive materials to prevent accidents;
 2. Ensure that people in the bathtub and shower area cannot touch the switches and other controllers;
 3. The ventilation pipe is strictly prohibited to share with gas water heater, Kitchen hood and other equipment to prevent gas and odor gas from entering the bathroom;
 4. The distance between the Bath heater and other surrounding appliances must be greater than 40cm;
 5. The bath heater should not be directly placed under the power socket;
 6. The fixed wiring of the product connection must be equipped with a disconnection device that provides full pole disconnection under overvoltage level III conditions according to the wiring rules;
 7. Before drilling or cutting walls or ceilings, if it is a hidden line or pipe and the position of wires, water pipes, gas pipes, etc. cannot be clearly determined, it is necessary to confirm with relevant personnel to avoid dangerous situations;
 8. If the power cord is damaged, in order to avoid danger, it must be replaced by professionals from the manufacturer, its maintenance department, or similar departments.
 9. The light source of this lamp is non replaceable; When the light source reaches its end of life, the entire lamp should be replaced

Before installing the Bath Heater T1, in order to facilitate the subsequent installation of ventilation pipes, the following preparations should be made:

1. Plan Bath Heater installation location

According to the installation conditions requirements of user manual and in combination with the on-site situation, reasonably plan the installation location of the product;

Note:

Non 300x300mm, Non 300 × 600mm integrated ceiling installation required to be paired with 300 × 600mm conversion box (not standard product configuration), 2 pieces of 20 × 40 × 800mm wooden strips, 2 pieces of 20 × 40 × 300mm wooden strip, 18 x 20mm self-tapping screw and 4x30mm self-tapping screw shall be installed. Please be prepared in advance.

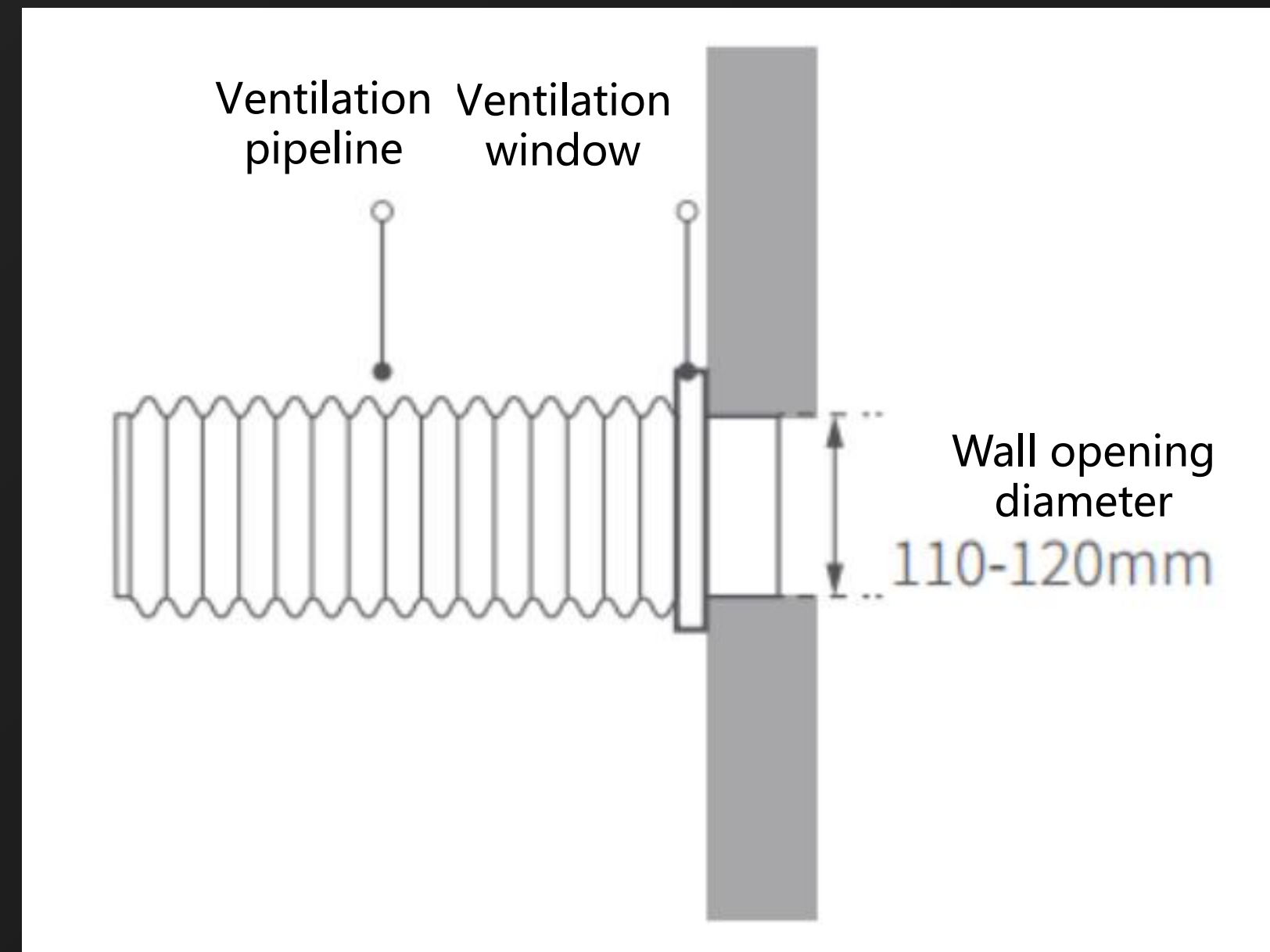
2. Opening ventilation holes on the wall

Plan the location of wall ventilation holes (the distance between the ventilation holes of the bath heater and the wall should be less than 1.5m, and the diameter of the ventilation holes should be 110-120mm. The wall ventilation holes should be slightly lower than the ventilation holes of the bath heater on the suspended ceiling to prevent condensation dew from flowing back into the bath heater and minimize the possibility of the ventilation pipes being bent and squeezed after installation). If there are no suitable ventilation holes on the original wall, Please open a circular hole with a diameter of 110-120mm at a wall location that meets the requirements;

Installation Preparation

3. Installing ventilation windows

Clamp one end of the ventilation pipe tightly with the ventilation window buckle, and then install the ventilation window to the wall as shown in the following figure (the gap between the ventilation window and the wall can be filled with cement). Wait for the other end of the ventilation pipe to be installed at the bath heater ventilation vent.



Note:

The distance between the bath heater ventilation vent and the ventilation hole should be less than 1.5m and bending and squeezing of the ventilation pipe should be avoided as much as possible.

Installation Main Steps

Integrated ceiling installation - This installation step applies to 300 × 300mm, 300 × 600mm integrated suspended ceiling.

1. Please remove the ceiling buckle plate at the installation location and its surroundings to meet the operating space requirements during the installation process; Buckle the bath heater upside down above the installation position keel, and use 4 keel fixing hooks to tightly lock the bath heater onto the keel;

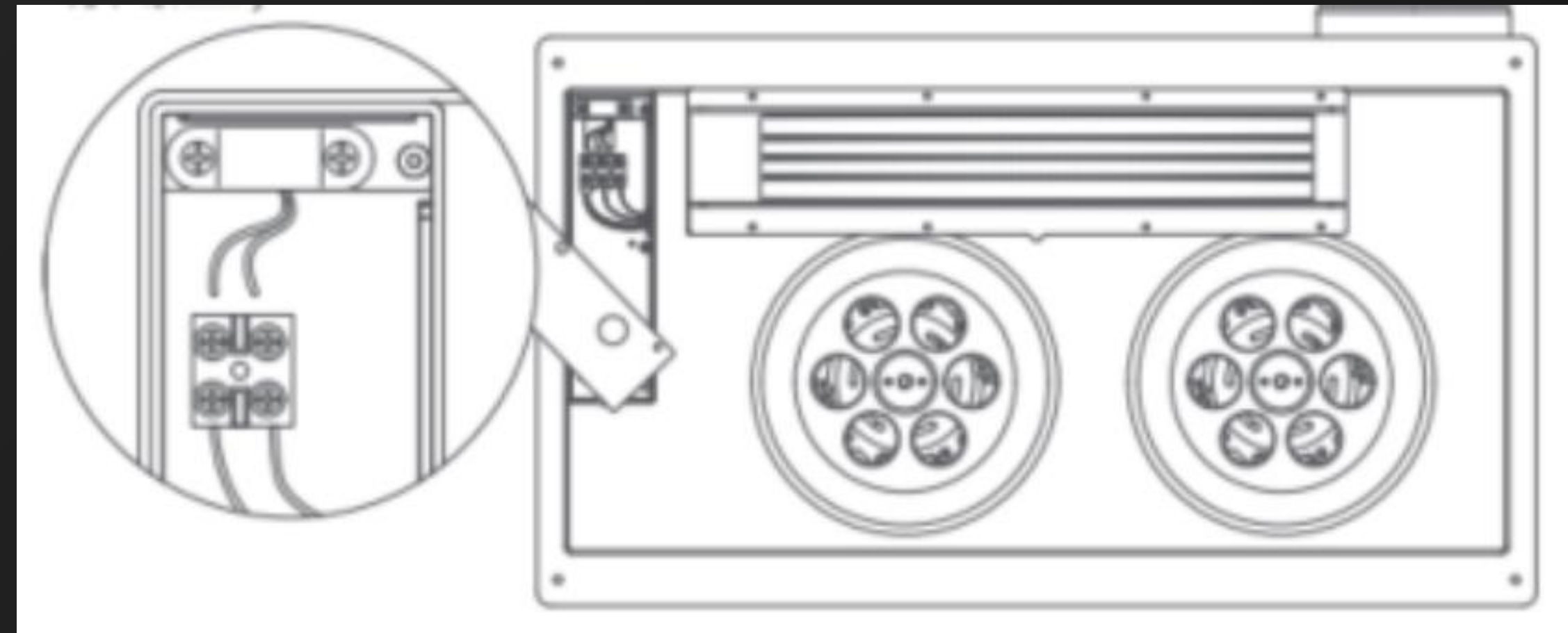


Special Cases:

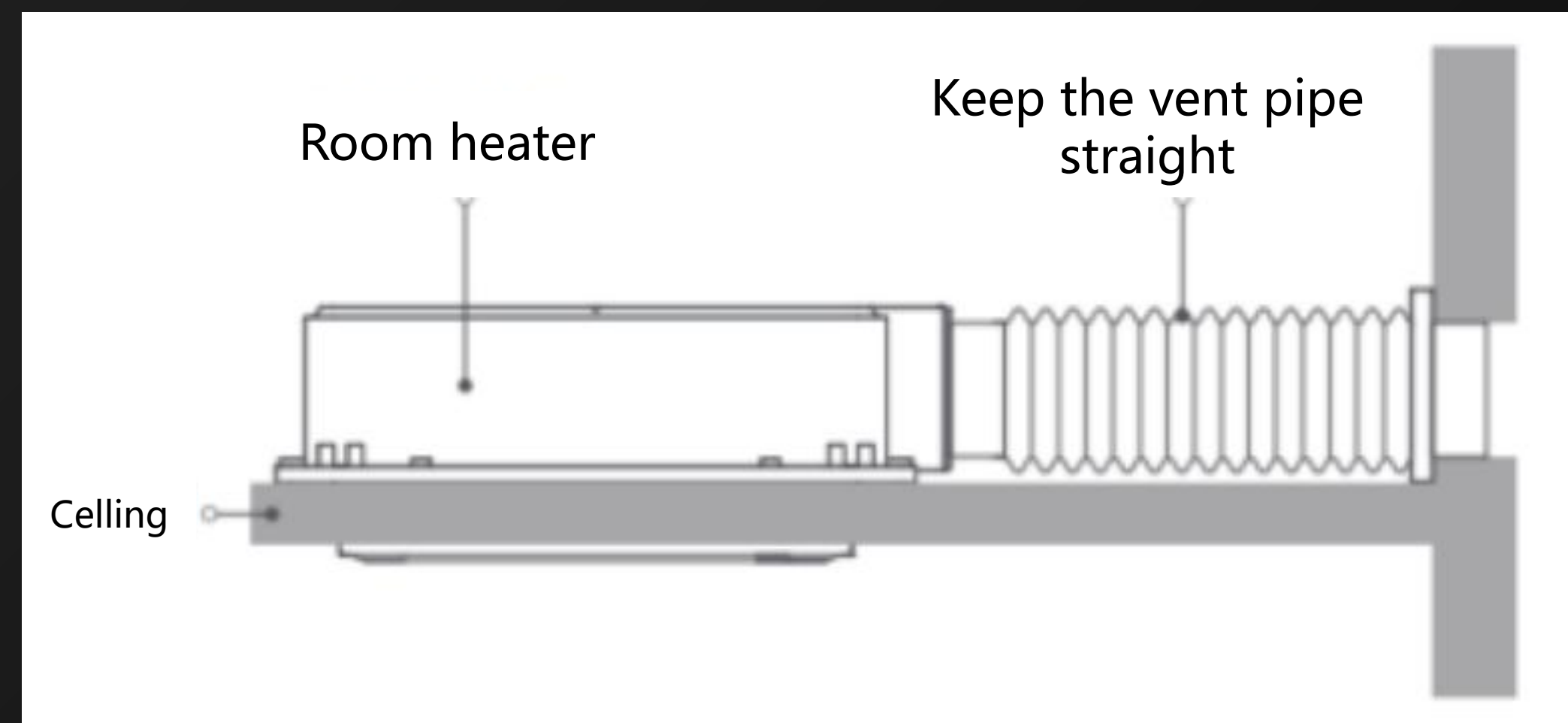
- a). This product can directly adapt to mainstream keels with a height of $\geq 25\text{mm}$. If the keel height is less than 25mm, it is necessary to use padding to raise the bath heater, otherwise the bath heater panel will not be able to be installed in place;
- b). After raising the bath heater, please directly use 15mm self-tapping screw to fix the four corners of the bath heater on the keel without using keel fixing hooks;

Installation Main Steps

2. Use a screwdriver to remove the junction box cover and power cord crimping line of the bath heater. Professional personnel is required to connect the power cord according to the product identification, then install the crimping line and box cover, and lock the screws;



3. Place one end of the ventilation pipe indoors on the ventilation vent of the bath heater and lock it with a hoop. The direction of the ventilation pipe should be kept as straight as possible to avoid bending and squeezing;



Installation Main Steps

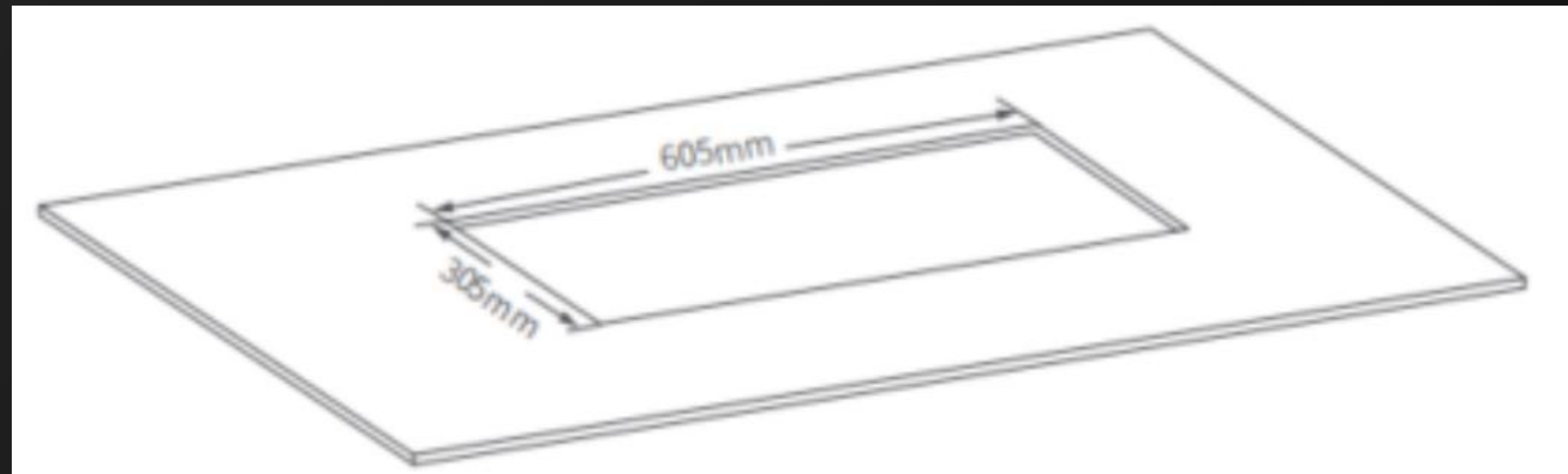


Installation of other suspended ceilings - This installation step is applicable to ceiling installation other than conventional sized integrated ceilings, such as gypsum, PVC, large-sized gussets (not 300x300mm, not 300 × 600mm), and etc.. which required to be paired with 300 × 600mm conversion box (not included in product, please prepare seperatly), 2 pieces of 20 × 40 × 800mm wooden strips, 2 pieces of 20 × 40 × 300mm wooden strip, 18 × 20mm self-tapping screw and 4x30mm self-tapping screw shall be installed. Please be prepared in advance.

1. Please make a hole in the pre-selected installation position of the suspended ceiling, with a hole size of 305 × 605mm;

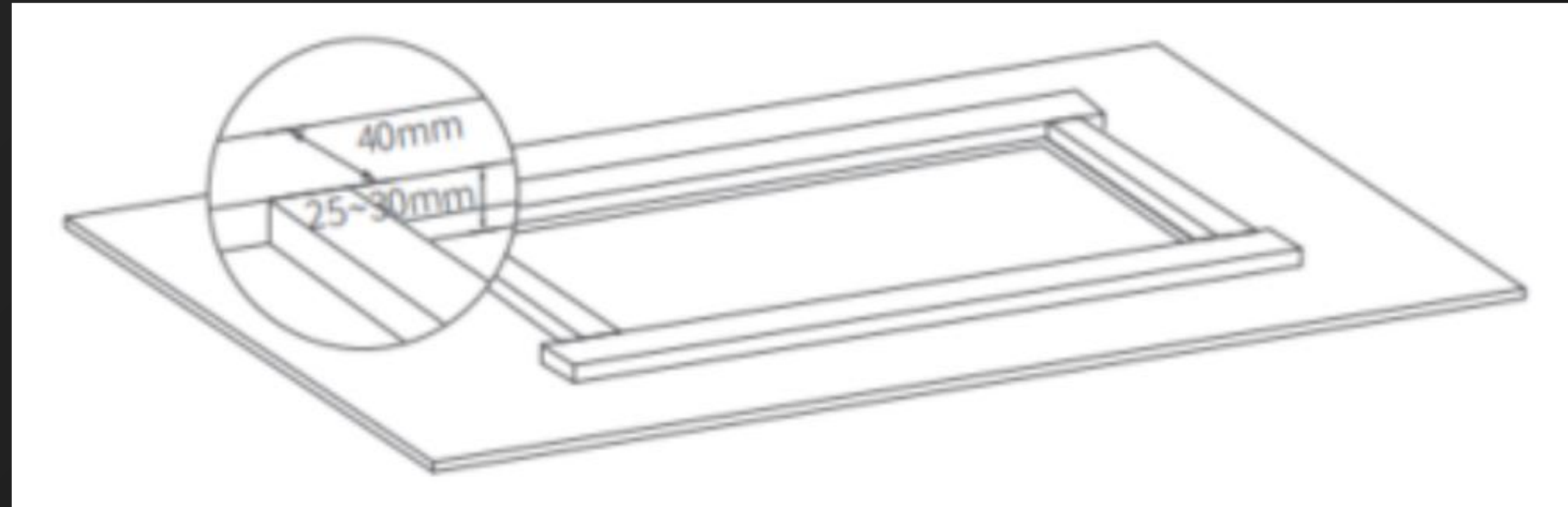
Note:

PVC ceiling can be cut with cutting tools. For other materials such as wooden boards and gypsum boards, please use an electric saw. Before operation, please confirm the stability and load-bearing capacity of the ceiling structure and evaluate the installation plan reasonably

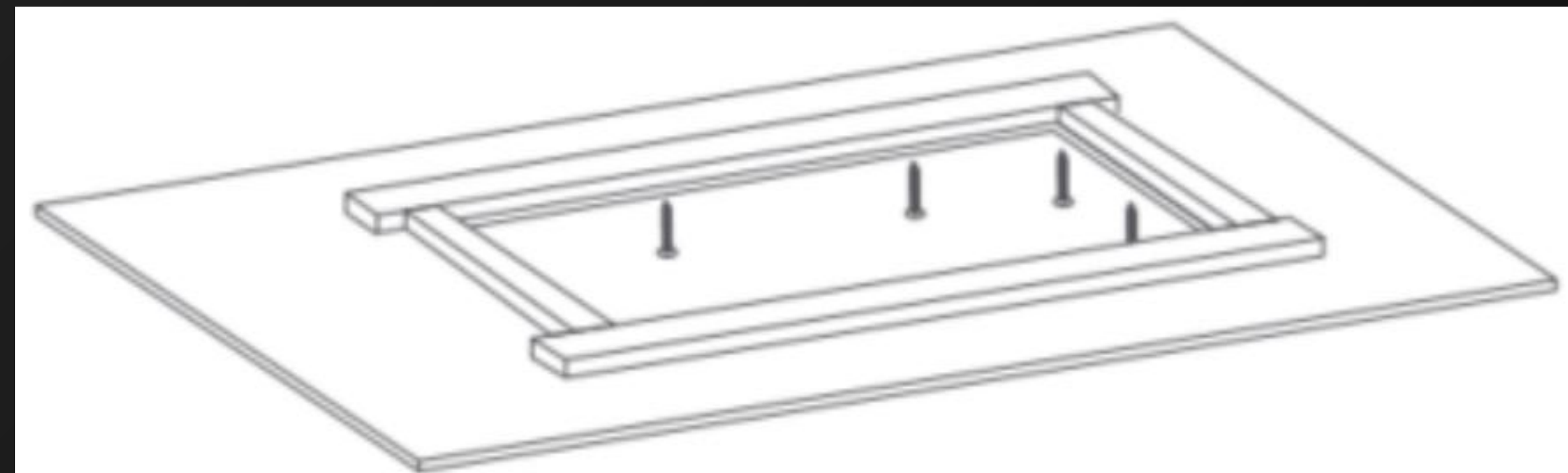


Installation Main Steps

2. As shown in the following figure, place 4 wooden strips in the opening of the ceiling (with a width of 40mm facing downwards), aligning the edges of the strips with the opening edge of the ceiling. Measure the thickness of the strips and the ceiling. If the thickness is less than 25mm, please raise it to 25-30mm (otherwise the bath heater panel cannot be installed in place);



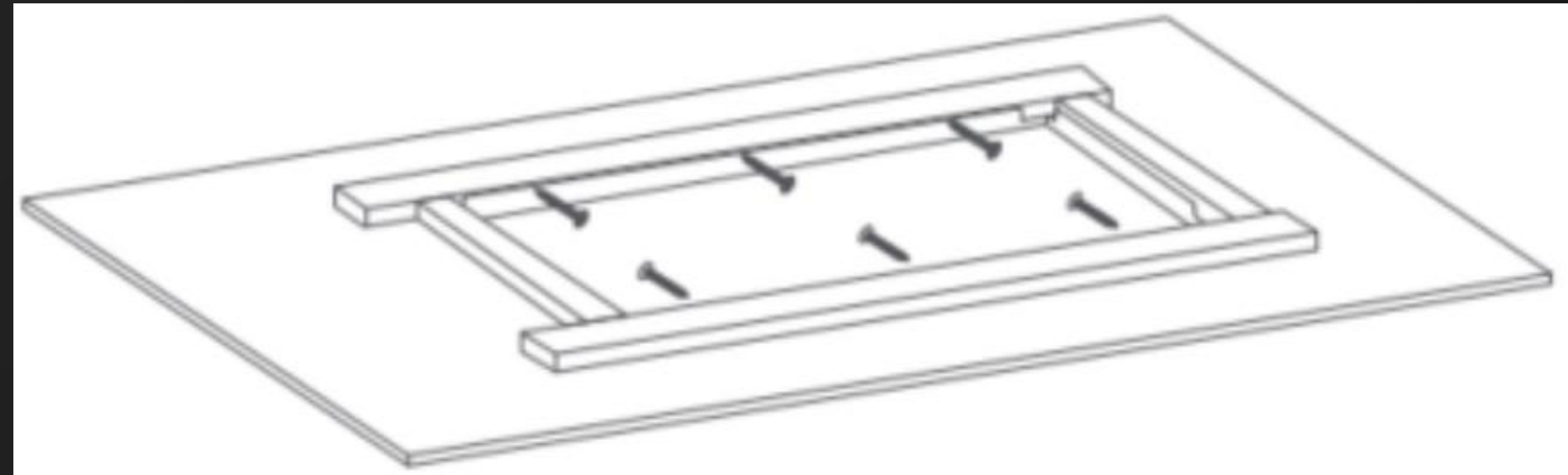
3. Use 8 x 20mm self-tapping screw to tap from the outside of the ceiling and fix 4 wooden strips inside the ceiling (the edge of the wooden strip must be aligned with the edge of the ceiling opening). The distance between the screw hole and the ceiling edge should not exceed 10mm (otherwise the edge of the conversion frame cannot be covered, affecting the decorative beauty);



Installation Main Steps



4. Install the conversion frame into the ceiling opening from below the ceiling, and then use 6 x 20mm self-tapping screw to firmly fix the conversion frame on the side of the batten;



5. Insert the bath heater host into the interior of the ceiling, buckle it upside down onto the wooden strip in the opening of the ceiling, and then follow the instructions in steps 2 and 3 of the "Integrated Ceiling Installation" to complete the installation of power wiring and ventilation pipes;

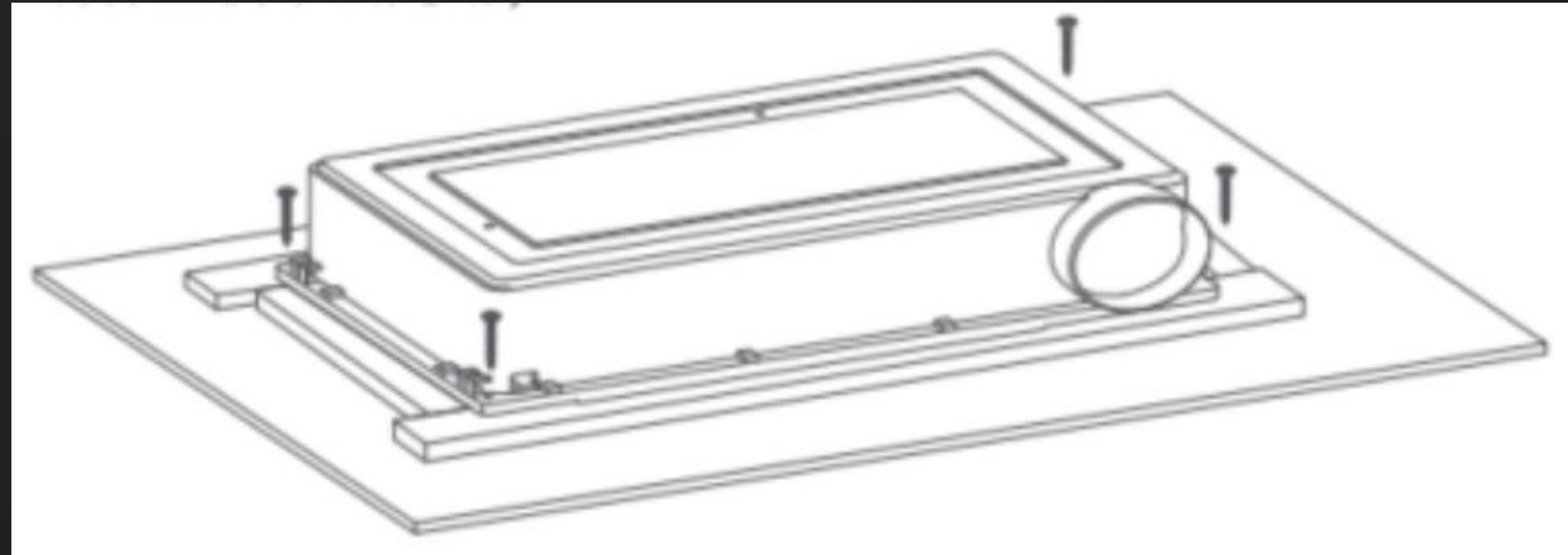
Note: Please place the power junction box of the bath heater near the maintenance port for easy wiring.

Punching position
(diameter 10mm)

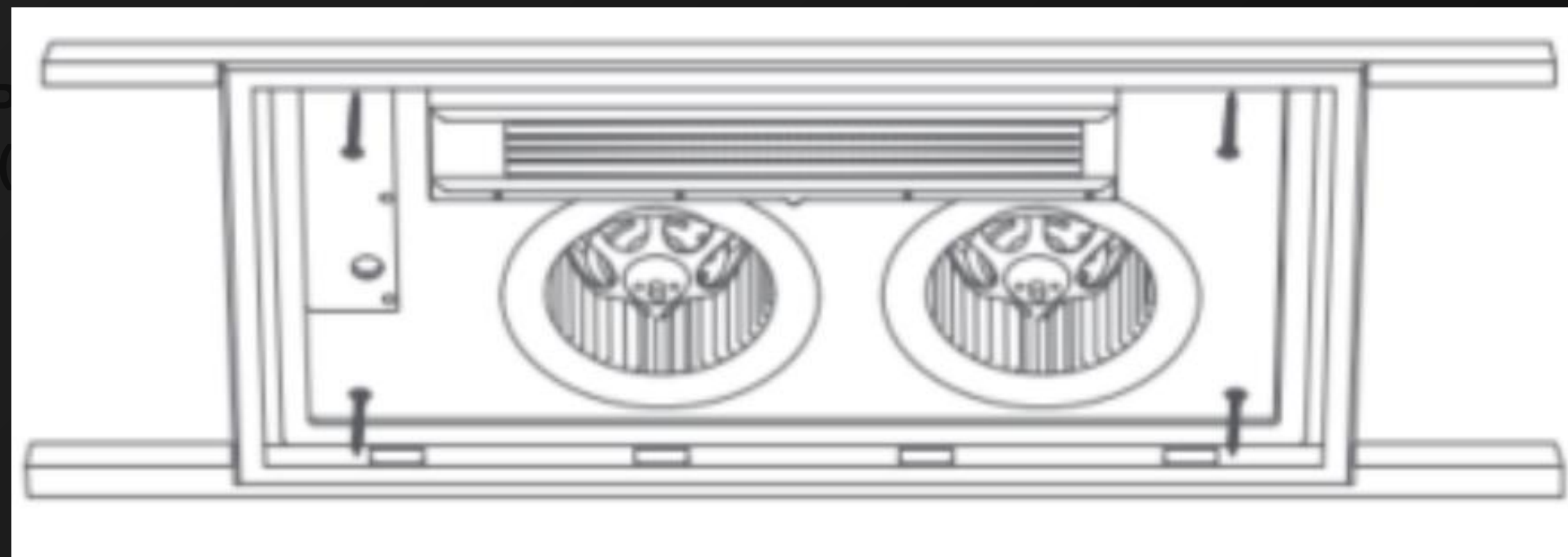
Installation Main Steps

Aqara

6. Adjust the position of bath heater host to align it with the center of the ceiling opening, and then use 4 x 20mm self-tapping screw through the access window to fix the frame (punctured) of bath heater on the wooden strip to ensure that the bath heater is fixed will not shake;



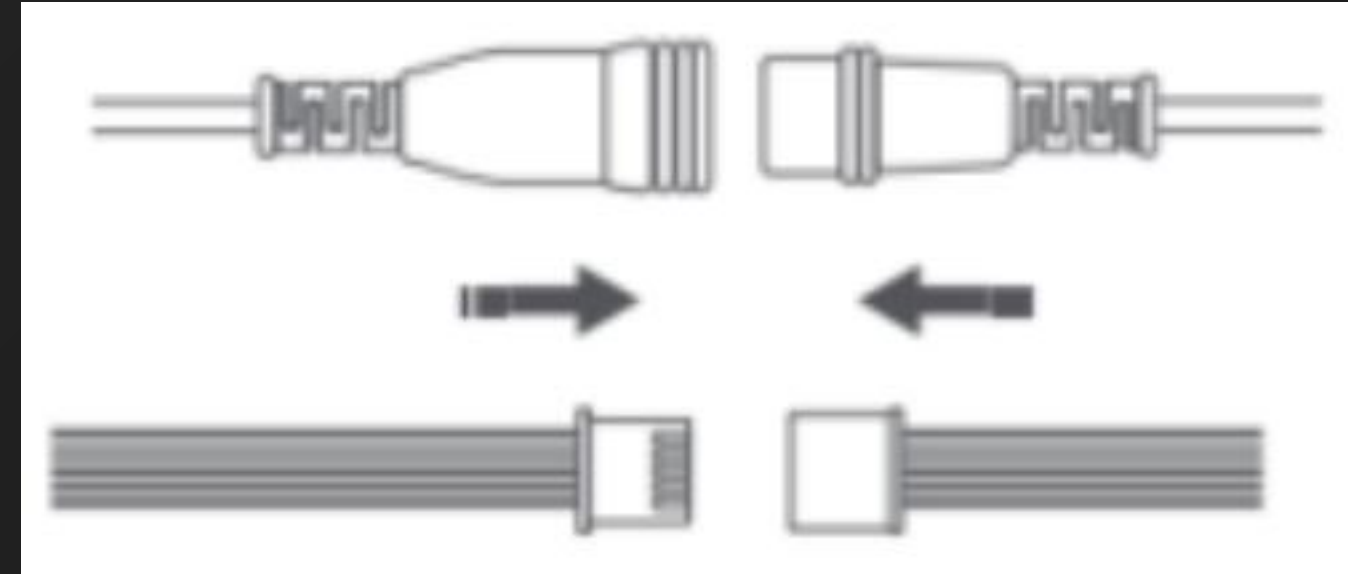
Note: In the special case of no access window, please use 4 self-tapping screw above 30mm at the edge of the ceiling opening to attack the batten at an upward angle of 45 ° to lock the batten with the long side frame of bath heater.



Installation Bath Heater Panel



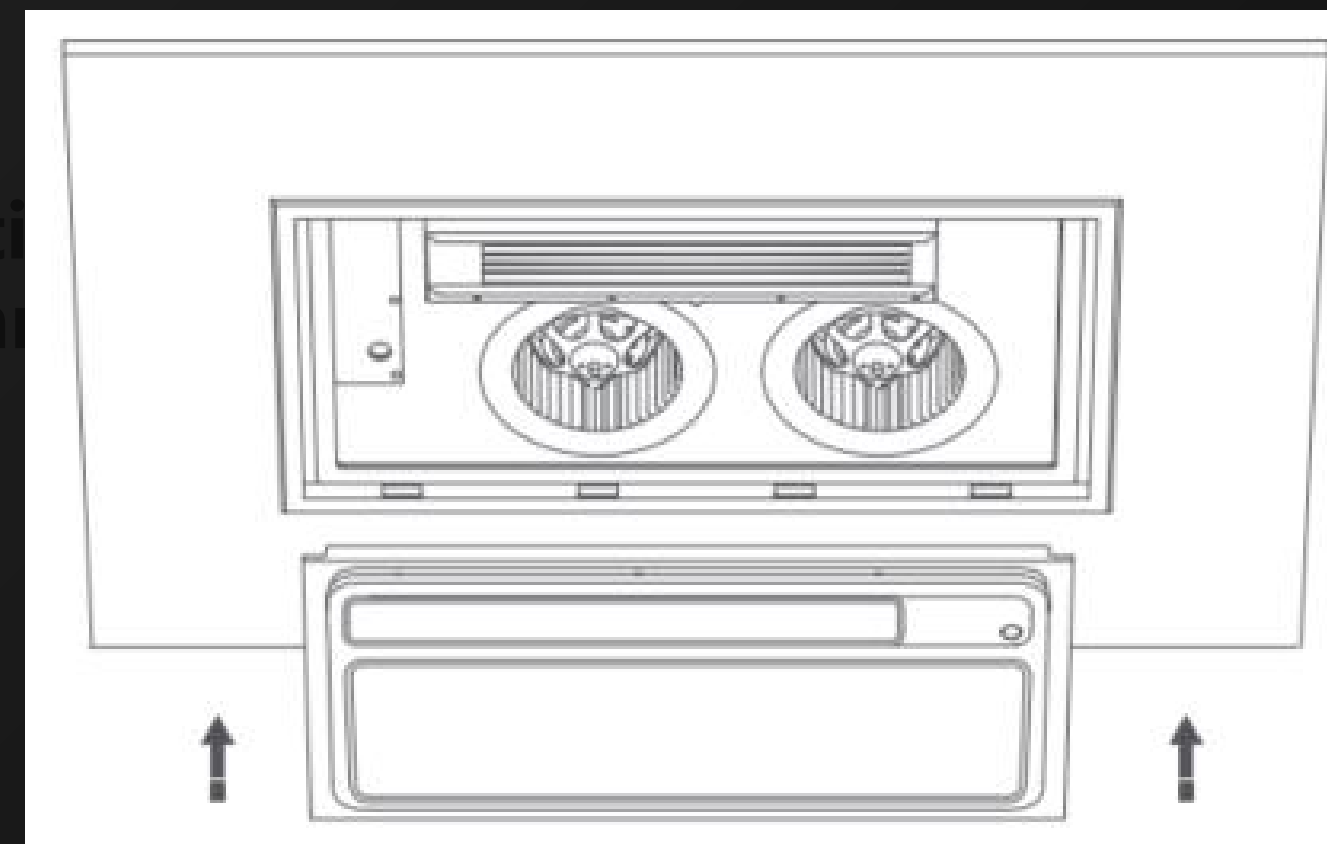
1. Please insert the control cable of the panel back lighting board into place with the bath heater and tighten it, and then insert the control cable of the panel into place



2. Hold the panel, insert the excess length of cables into the space on the back of the panel, and then align the panel air outlet with the position of the bath heater air outlet. Gently push around the panel in sequence, gradually making the panel fully buckle into the keel (conversion frame) and flush with the ceiling;

Note: If the panel cannot be installed in place, please first check if the panel connection cable has been stored in the back space of the panel, and then follow step 1 of the bath heater installation to check if the thickness of the wooden strip and ceiling is $\geq 25\text{mm}$;

Punching position
(diameter 10mm)



3. After confirming that the panel is installed in place, close the air switch and connect to power;

Remote Control Binding and Installation



1. Pull out the battery insulation strip on the back of the remote control;
2. Disconnect the power of the bath heater and power it on again, it will automatically enter the remote control search state (automatically exit after 30 minutes);
3. Press and hold both the "Ventilation" and "Wind Speed" buttons on the remote control for 5 seconds, until the Bluetooth binding icon on the remote control starts to flash slowly and then release, and the remote control enters a waiting state for binding;
4. Wait for the "beep" prompt sound to indicate that the remote control has been successfully bound, and you can control the bath heater via remote control;
5. Control bath heater's lighting, heating (required to work for over 60s), ventilation, blowing, drying and other functions in turn, adjust the wind speed and swing, and check whether all functions are working normally;
6. Install the remote control base in a suitable position on the wall through adhesive or screw fixation;

Note:

Please remove the user's original lighting switch and short circuit the live and load wires to keep the bath heater power supply in a normally open state for conveniently use.

**Punching position
(diameter 10mm)**

(diameter 10mm)

Remote control buttons	Description
Heating	Activate heating mode, default to constant temperature control function (can be turned off via App)
Ventilation	Activate ventilation mode
Hairdryer	Activate air blowing mode
Desiccation	Start drying mode (warm air for 25 minutes → change air for 5 minutes, cycle 4 times before stopping)
Standby	Stop working (without affecting lighting), press and hold for 3 seconds to start the delayed stop function (default 15 minutes)
Lighting	Turn on/off the lighting panel lights (please use the App or configure automation to adjust brightness/color temperature)
Temperature+	Constant temperature target temperature+
Temperature-	Constant temperature target temperature-
Pendulum wind	Swipe/stop sweeping
Wind speed	Switching between high/medium/low wind speeds

- Note:
1. The accuracy of constant temperature control in the heating mode of this product may vary slightly due to different environmental conditions. It is recommended to use it in a 4-8 square meter bathroom environment;
 2. After activating the constant temperature control function, when the bathroom reaches the target temperature, it will automatically control the wind speed gear to maintain a constant temperature;
 3. This product does not have a cooling function. Under constant temperature control, when the target temperature is $\leq$ the current temperature, it will operate at the minimum heating gear;
 4. If the temperature in the bathroom exceeds 35 °C, it may cause discomfort such as suffocation; Individuals with cardiovascular and cerebrovascular related diseases should use this product with caution.

Instructions for using the emergency button



Under special circumstances such as power failure of the remote controller, the basic functions of the bath heater can be controlled through the emergency button on the panel, or the it can be Factory reset.

Note: After Factory Reset, user need to rebind the remote control and add devices to the app again.

1. Short press the emergency button at a speed interval of less than 10 seconds, and it will cycle between "on light → heating → ventilation → stand by & off light status";
2. Short press the emergency button after an interval of more than 10 seconds, and it will directly enter the standby and light off state;
3. Press and hold the emergency button on the panel for more than 5 seconds. After hearing the prompt sound effect, it will start Factory reset.

**Punching position
(diameter 10mm)**

Indicator Light



Indicator Light	Description
Icon lights up	In heating mode
Icon lights up	In ventilation mode
Icon lights up	In blowing mode
Icon lights up	In dry working mode
The icon is constantly lit in red	Device binding/connection failed
Blue flashing icon	Device Binding
The icon is always blue and bright	Zigbee connection is normal
Icon blue slow flashing 2 times	Zigbee Find Device
The icon flashes alternately red and blue	Zigbee network interruption, reconnecting
Icon flashing	In over temperature protection state, please open the app to view the troubleshooting guide

Fault phenomenon	Possible causes and solutions
Unable to power on	1. The electric switch/ wall switch are not turned on, or the product power supply is not connected properly 2. The remote-control battery is low, replace the battery 3. Bath heater is not bound to the remote control, please follow the instructions to bind it
The panel is not responding, and the indicator icon is not lit	1. The connection cable between the panel and bath heater is not properly plugged in, please unplug and plug it again 2. Turn off the switch and power on again
The air deflector cannot be opened	1. The connection cable between the panel and bath heater is not properly plugged in, please unplug and plug it again 2. Check if there is object jamming the air deflector, clear the perimeter of air deflector.
The running sound becomes louder and there is an abnormal noise	1. The installation of the product is loose, and the suspended ceiling needs to be opened to re fix the product 2. Friction between the panel connection wire and the bath heater motor, open the panel to adjust storage location for integrated wiring
Warm air mode blowing cold air	1. Confirm that the panel indicator icon is in heating mode 2. The internal temperature of bath heater is too high. Please turn it off and wait for 10 minutes before trying again
Remote control failure	1. The remote-control battery is low, replace the battery 2. Bath heater is not bound to the remote control, please follow the instructions to bind it

Note:

1. After unplugging and plugging the cable connecting the panel and the bath heater, it is necessary to turn off the power switch to power on bath heater again;

2. If the problem still cannot be solved. Please contact the official after-sales personnel.

Content

- **Product Profile**
- **Product Features**
- **Product Installation**
- **FAQ**

1. Unable to bind the product to Aqara APP

1. Please confirm if the hub firmware version and Aqara home app version are the latest. If not, please upgrade to the latest version first.
2. Please confirm if the hub has already announced "Please add an accessory" when adding (hub with speaker will prompt of "Please add an accessory", E1 hub without speaker, indicator light flashing purple). After the voice prompt of "Please add an accessory", press and hold the "Warm Air" + "Swing Air" button on the remote control for 10 seconds until the Yuba network indicator light changes to a blue flashing state.
3. Please connect the hub close to the bath heater. There is a possibility that the connection may not be successful at once, please try again several times.
4. Please replace with another hub to verify if there are any issues with the hub and confirm if the number of devices has reached the maximum limit.
5. Please power off the bath heater and try again after 5 minutes.

2. If the bath heater T1 is offline, please check below points:

1. Please confirm if the hub firmware version and Aqara Home App version are the latest. If not, please upgrade to the latest version first
2. Please confirm if the distance between Aara bath heater T1 and the hub is within 7 to 10 meters, and there are no metal objects, walls, or obstacles.
3. Please check if the hub is offline.
4. Please check whether the bath heater can be powered on normally, whether the remote control can be controlled normally, and whether it is in a unpowered state.
5. Please reset the device and reconnect.

3. Why bath heater T1 controller has a delay when turning on and off?

It is a normal phenomenon. The working mode of the bath heater T1 controller requires the intervention of an internal fan during heating, ventilation, drying, and hair blowing operations. The fan does not immediately reach its maximum power during startup and operation, but is a gradual operation, so there may be a delay; Similarly, when a fan is turned off, it still operates for a short period of time, similar to a large fan outside an air conditioner, and does not immediately stop running.

4. Why bath heater T1 cannot control the heating ?

1. Please confirm if the hub firmware version and Aqara home app version are the latest. If not, please upgrade to the latest version first.
2. Please confirm if there is a heating turned on log in the device log and if the heating icon on the bath heating is on.
3. Please confirm if both the remote control and the app are unable to control, and whether it is blowing warm air when controlling blowing and drying.
4. Please provide the account and timeline for technical support.

5. Why bath heater T1 remote controller cannot be controlled?

1. Please try to match the remote control again: please press and hold the emergency button on the bath controller panel for 10 seconds, and release your hand when you hear the "ticking" sound of the bath controller; press and hold both the "Ventilation" and "Wind Speed" buttons on the remote control for 10 seconds until the Bluetooth binding icon on the remote control flashes and then release; After hearing the "ticking" prompt tone from bath heater, it indicates that the remote control has been successfully bound
2. If the battery of the remote control has not been replaced for a long time, please try replacing the battery.
3. Please control the bath heater in the app to confirm if there is a problem with the bath heater itself.

6. Why the remote control of the bath heater T1 can control lighting, but the display screen does not light up when other buttons are controlled?

1. The display screen of bath heater T1 remote control mainly displays the working status. When the heating, blowing, ventilation, or drying modes are turned on, the screen will display the current working status.
2. When the bath heater T1 is in standby mode and the remote control is used to control lighting, the remote control screen is still in the off state because lighting is an independent function outside the bath heater, so the screen will not display the lighting on or off state.
3. In standby mode, using the remote control to press temperature+, temperature -, swing wind, and wind speed does not respond, as these functions only respond when the host is in working mode.

7. Can multiple remote controls be supported?

Up to 5 remote controls can be supported. If you have multiple remote-control requirements, please contact sales personel to purchase.

8. Can this bath heater cool down?

The bath heater does not have a cooling function. Under constant temperature control, when the target temperature is $\leq$ the current temperature, the Yuba will operate at the minimum heating gear.

THANK YOU