HAWKROWN®

HAWKROWN®

www.hawkrown.com

USER MANUAL

Thank you for choosing our product. Please read this user manual thoroughly before installation and use. Retain this manual for future reference.

IMPORTANT TIPS

⚠ Safety Instructions

Please Read and follow all safety instructions before use.

1.Turn off the power before installation.
2.Keep out of reach of children.
3.Do not disassemble or modify the product.
4.This product is designed for indoor use only.
5.Keep away from flammable materials.

⚠ Cleaning & Maintenance

1.Always turn off the power before cleaning.
2.Do not disassemble or wash the bathroom fan with water.
3.To clean the fan, remove the entire bathroom fan and use a dry brush or blower.

CONTENTS

BEFORE INSTALLATION 02

INSTALLATION 03

Step 1: Connect the Panel 3
Step 2: Power On and Remote Control Pairing Test 3
Step 3: Prepare Ceiling Opening..... 4
Step 4: Installation Adapter Frame 5
Step 5: Install Ventilation Pipe..... 6
Step 6: Install Machine..... 6
Step 7: Insert the Air Outlet into the Machine..... 8
Step 8: Correctly Connect the Panel 8
Step 9: Compress the Spring Clips on Both Sides..... 8

ABOUT MICROPHONES 09

ABOUT OPERATION/CONTROL 10

Product Instructions 10
Remote Control Operation 11
APP Operation 17
Voice Operation 26

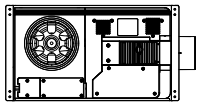
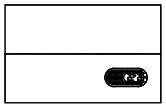
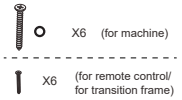
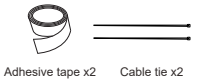
COMMON PROBLEM 28

WARRANTY 29

BEFORE INSTALLATION

- Verify that all parts listed are included.
- Ensure the fan dimensions are compatible with your duct opening.
- Test the fan while plugged in to confirm proper functionality.

Parts

① Machine	② Panel	③ Transition frame	④ Remote control
 1	 1	1	1
⑤ Clamp	⑥ Manual	⑦ Fixed accessories	⑧ Auxiliary accessories
2	1	 1	 1
⑨ Wiring terminal	⑩ Glove	⑪ Ventilation pipe	⑫ Microphone
1	1	1	1

Parameters (Reference Only)

Product Name	Box Size	Panel Size
Fan Heater	20.12″x11.18″	12.6″ x 20.08″
V/Hz	**Fan Power**	**Heat Power**
110V,60Hz	45W	1800W
Light Power	**RGB Power**	**Audio Power**
32W	14W	10W

* **Note**: Specifications are for reference only.
Please refer to the product nameplate for accurate data.

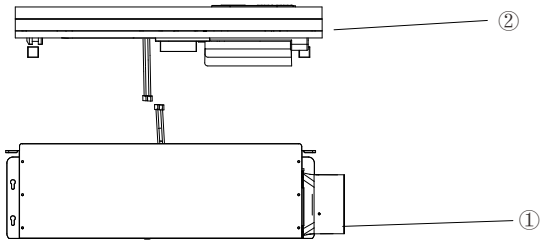
INSTALLATION

Notice

1. Please read these instructions carefully before installation.
2. Installation and wiring must be carried out by a qualified electrician.
3. Always turn off the power supply before installation to prevent electric shock.

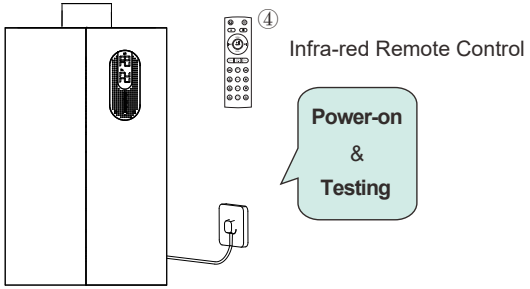
Step 1 Connect the Panel

Connect the front panel ② to the machine ①.The panel must be connected before performing functional tests.



Step 2 Power On and Remote Control Test

1.Turn on the power to test the machine.
2.After confirming the test is successful, disconnect the panel from the machine.

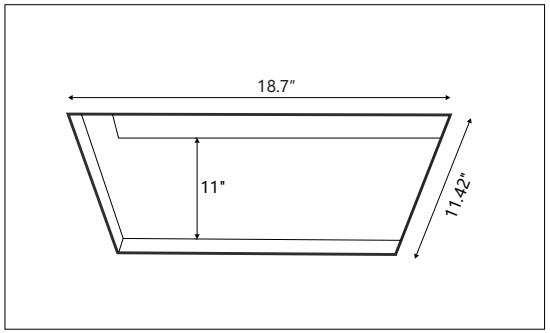


*** Note**:Infra-red remote control should be pointed directly at the device to ensure proper signal reception and reaction.
The panel must be removed after testing to allow the box to be installed on top.

INSTALLATION

Step 3 Prepare Ceiling Opening

Use appropriate tools to cut an opening measuring 18.7x11.42 inches at the desired installation location in the ceiling.(You can also use the size paper prepared for you to fix the position and make the opening.)



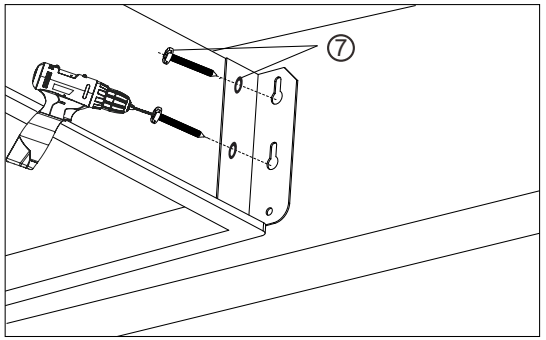
*** Note:**

Minimum 11-inch roof-to-ceiling clearance required for installation.

• Option 1 – Side Support Installation

(If you plan to install the bathroom fan on a single-side supported frame—such as in an attic or across ceiling beams-this method is suitable)

1.Ensure both side mounting brackets are correctly positioned and aligned with the support beam.
2.Use washers and screws ⑦ to securely fasten the machine to the beam. Maintain level align-ment during installation to ensure proper operation and stability.



*** Note**:

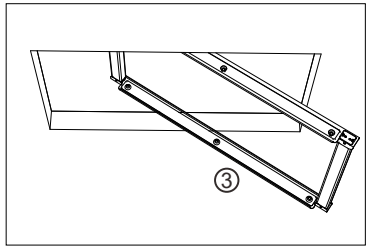
After securing the machine in place, proceed with the remaining steps by following the instructions starting from Step 5.

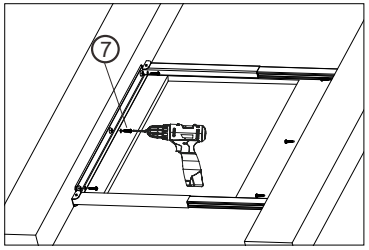
INSTALLATION

Option 2 – Top Entry Installation

Step 4 Installation Adapter Frame

- Insert the transition frame ③ into the ceiling opening above.
- Above the opening, expand the transition frame towards both ends (adjustable range: 14.2 in ~ 24 in).
- Once both ends of the transition frame touch the crossbeams, secure it to the beams using self-tapping screws and washers⑦.





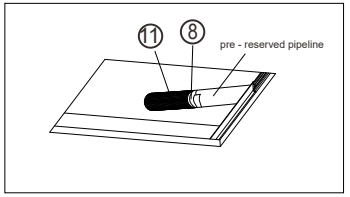
*** Note**: 1.The crossbeam must run parallel to the long side of the ceiling opening.
- If the existing crossbeam is aligned with the short side, install additional wooden battens along the long side before securing the transition frame.

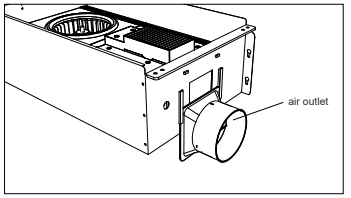
2. If the maximum extension of the transition frame cannot span between crossbeams:
- Prepare wooden battens of sufficient length.
- First, fix them to the crossbeams.
- Then attach the transition frame to the battens.

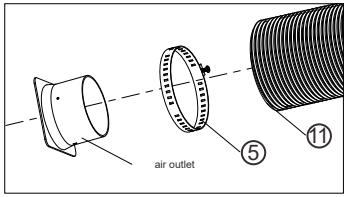
INSTALLATION

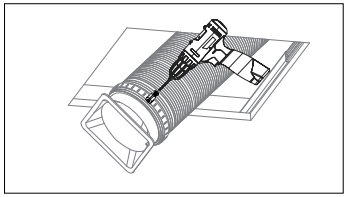
Step 5 Install Ventilation Pipe

- Securely wrap and seal the ventilation pipe⑪ to the pre-reserved pipeline connection with adhesive tape⑧ .
- Remove the air outlet grille from the main unit, and secure the grille to the other end of the ventilation pipe using a clamp⑤.





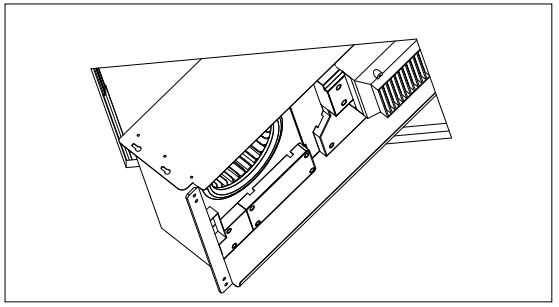




(If additional reinforcement is needed, use zip ties or tape from the auxiliary installation accessories ⑧for further fixation)

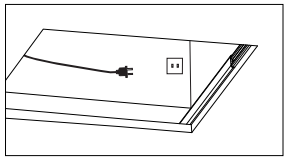
Step 6 Install Machine

Insert the machine into the ceiling opening above and connect it to the power supply.



INSTALLATION

Connect to Power Supply

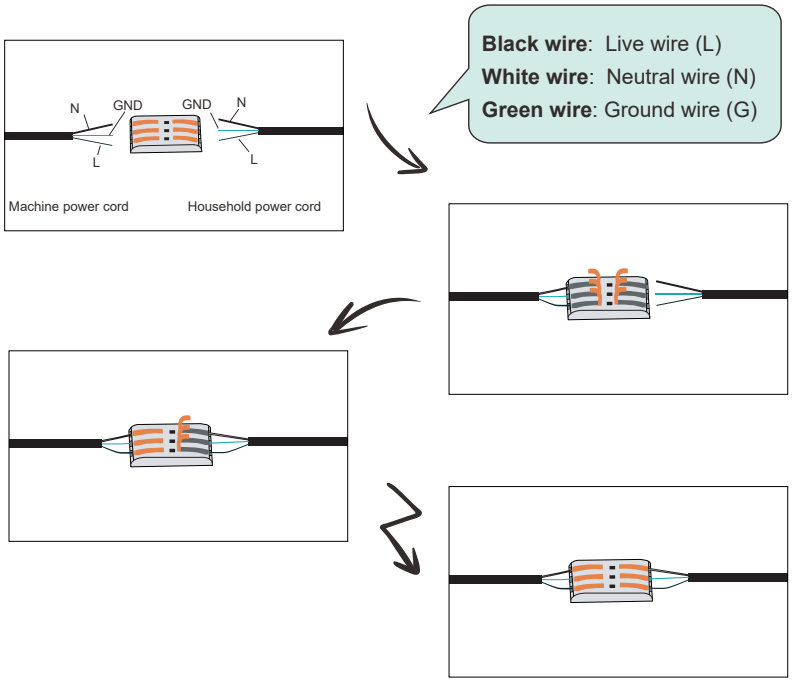


• Option 1- Direct Plug Connection

Plug the bathroom fan into a standard power outlet. If hardwiring is necessary, consult a licensed electrician.

• Option 2 - Wire Terminal Connection

1. If there is no pre-installed power outlet at the installation site, you may use the wiring terminals ⑨ to connect the power lines directly.
2. Wiring configurations may differ between households. The example shown here is for reference only.Please follow your actual wiring setup.

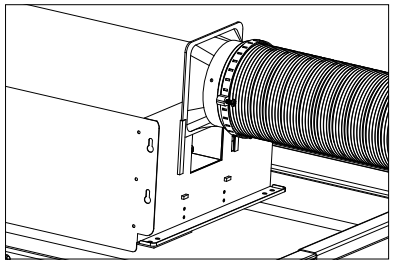


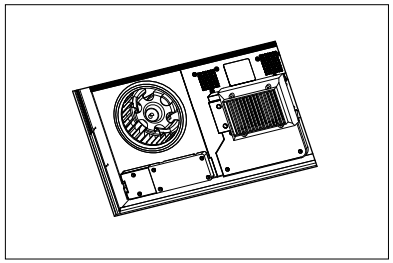
⚠ Improper electrical connection may result in shock, fire, or equipment damage. Always ensure compliance with local electrical codes.

INSTALLATION

Step 7 Insert the Air Outlet into the Machine

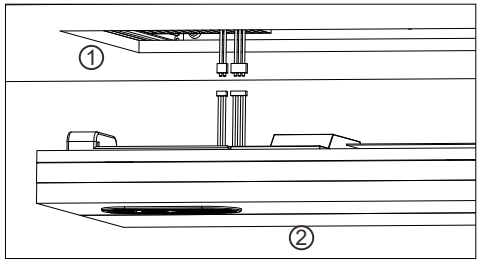
Insert the air outlet into the machine, then adjust its position and place it over the transition frame.





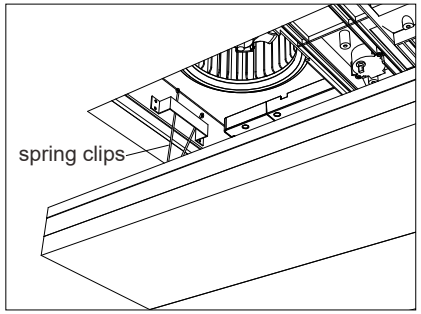
Step 8 Correctly Connect the Panel

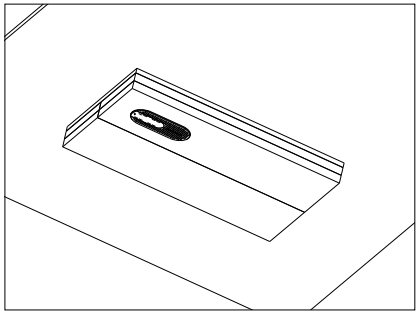
Correctly connect the panel ② to the machine ① to ensure the machine can operate safely.



Step 9 Compress the Spring Clips on Both Sides

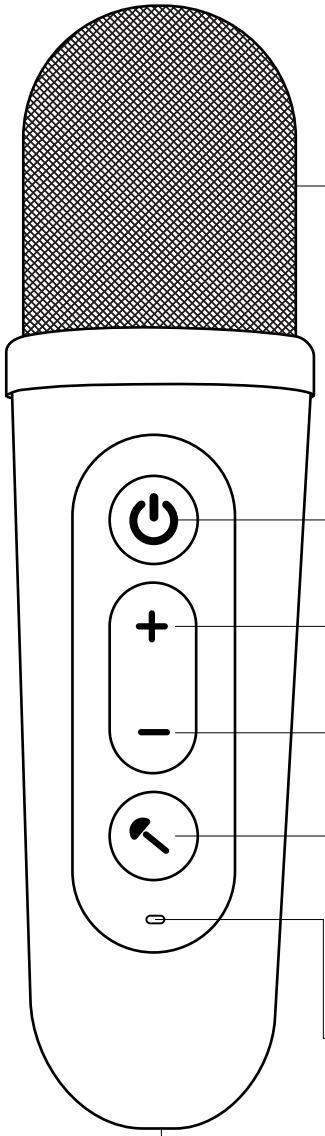
Compress the spring clips on both sides, push them into the machine until they pop out, and the installation is complete.





ABOUT MICROPHONES

⑫



Microphone sound pickup part

Long press the button, the blue light under the microphone flashes, indicating successful startup and automatic connection to the Bluetooth on the device.

VOL+

VOL-

Original/Vocal Accompaniment Switching: Briefly press the button to eliminate the original vocals, leaving only the accompaniment. Briefly press the button again to restore the original vocals.

The blue light flashes, indicating that the microphone is turned on.

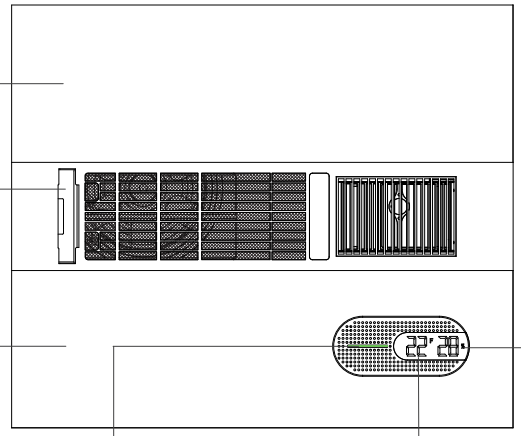
The charging port is located at the bottom.

ABOUT OPERATION/CONTROL

Product Instructions:

The panel slides open only when functions are operating (including fan, heating, ventilation) or when music is playing.

When the purification function is turned on, the set humidity is displayed; when turned off, the actual humidity is shown.



Dust filter: Can be pulled out for removal and cleaning.

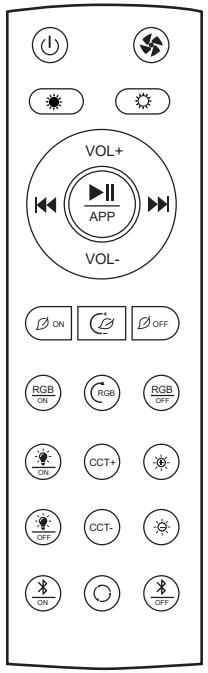
Indoor temperature

Indicator light color descriptions

- Power on, display green.
  Indicates good air quality, the fan remains off.
- Indicates poor air quality, the fan turns on automatically for ventilation.
- Indicates that the low warmth function is activated.
- Indicates that the high warmth function is activated.
- Indicates that the air blowing function is activated.
- Indicates that the ventilation function is turned on.

ABOUT OPERATION/CONTROL

Remote Control Operation:



* **Note**:

Please make sure the time exceed 1s when switching between different keys of the remote control. If the time is less than 0.5s, the receiver of the remote control may not be able to obtain a signal to respond because the receiving time is too short.

ON/OFF: Short press to power on or off. After initial startup, the display lights up with default activation of: purification function (green indicator), lighting function (warm light), and Bluetooth function.(The device will remember the pre-shutdown status and determine whether to activate these three functions upon next startup.)

Fan(on/off): Short press to turn the fan on, the indicator light is blue.Press again to turn off the function.

High Warmth Mode(on/off): Short press to turn on the High warmth function, the indicator light is red.Press again to turn off the function.

ABOUT OPERATION/CONTROL

Low Warmth Mode(on/off): Short press to turn on the Low warmth function, the indicator light is orange.Press again to turn off the function.

Ventilation: Short press to turn the ventilation on, the indicator light is white.Press again to turn off the function.

ON

Sensor(on): Upon initial power-on, the sensor function is enabled by default. Press to turn on, activating temperature/humidity and odor level detection mode.

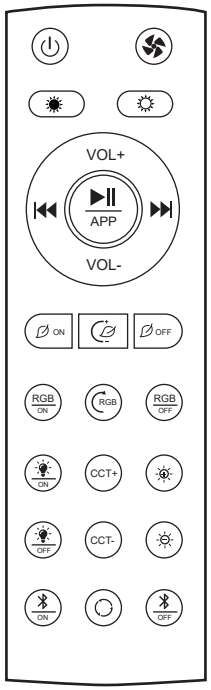
- The green indicator light indicates good air quality.
- The purple indicator light indicates poor air quality.（The fan automatically turns on to initiate ventilation when air quality deteriorates or when the set humidity level is lower than the actual ambient humidity.）

Sensor: When the purification function is enabled, press the button to cycle through humidity level settings: 30%, 60%, or 80%. (If the set humidity is lower than the actual ambient humidity, the device will automatically activate ventilation.)

OFF

Sensor(off): Short press to turn off the sensor function,the indicator light is off.

ABOUT OPERATION/CONTROL



⁎ Bluetooth pairing:

1. When you power on, the Bluetooth will automatically turn on and you will hear a "boop-boop" sound. You can use your phone to pair it.
2. On your phone, turn on Bluetooth and search for devices.
3. Locate " Fan Heater" in your device's Bluetooth list and select it.
4. You will hear a "boop" sound indicating a successful Bluetooth connection.
5. When you don't want to use Bluetooth, you can disconnect it via your phone or short press the Bluetooth button on the remote control.
6. To switch the Bluetooth connection to another mobile device, you must first unpair/disconnect the current device before pairing with the new one.

ON

Bluetooth(on): Press the button shortly to toggle Bluetooth on.

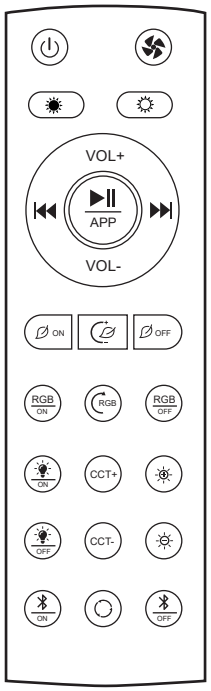
OFF

Bluetooth(off): The device automatically enables Bluetooth on start-up for instant pairing. Press the button shortly to toggle Bluetooth off.

VOL+
VOL-

VOL+/VOL- : Short press to adjust volume in steps.

ABOUT OPERATION/CONTROL



⁎ Connect APP

1. When the device is off, press this button 3 to 5 times consecutively to enter WiFi network configuration.
2. The display will show a 99-second countdown. During this time, you can open the Tuya app to complete the network setup (see page 15 for details). Once successfully connected, the WiFi icon on the display will stay lit.

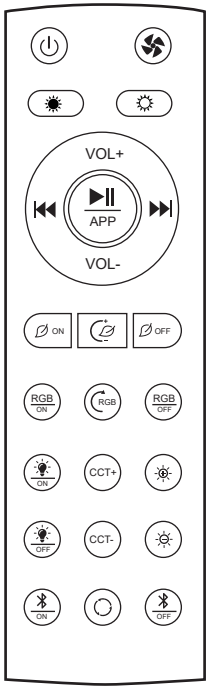
APP

Play/Pause&APP: Once paired with your phone via Bluetooth or APP, you can play or pause music.

Previous song: Short press to go to the previous song.

Next song: Short press to go to the next song.

ABOUT OPERATION/CONTROL



ON

Light(on): Short press to turn light on.

OFF

Light(off): Short press to turn light off.

CCT+

Color Temperature: After turning on the light,short press to adjust color temperature in steps.

ABOUT OPERATION/CONTROL

CCT-

Color Temperature: After turning on the light,short press to adjust color temperature in steps.

Brightness: After turning on the light,short press to adjust brightness in steps.

Brightness: After turning on the light,short press to adjust brightness in steps.

RGB ON

RGB(on): Short press to the RGB on.

RGB

RGB: Short press to cycle through RGB modes: Colorful mode → Breathing mode → Rhythm mode (activates upon music playback)

RGB OFF

RGB(off): Short press to the RGB off.

ABOUT OPERATION/CONTROL

APP Operation:

1. Connect your machine to the mobile APP .

Please scan the QR code slightly below to download.(Smart Life or Tuya Smart)

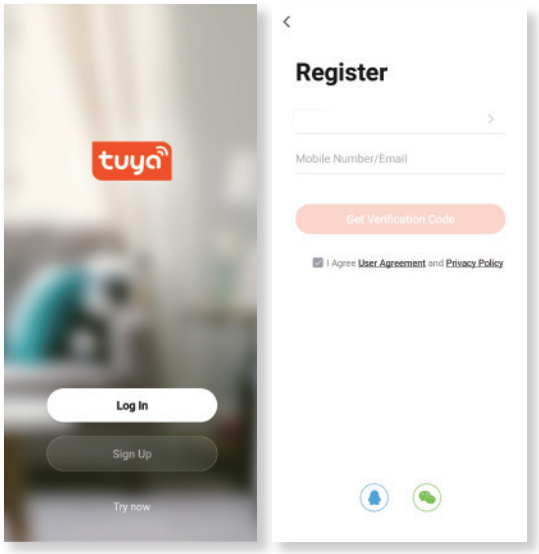
Smart Life

Tuya Smart

Download on the App Store

GET IT ON Google Play

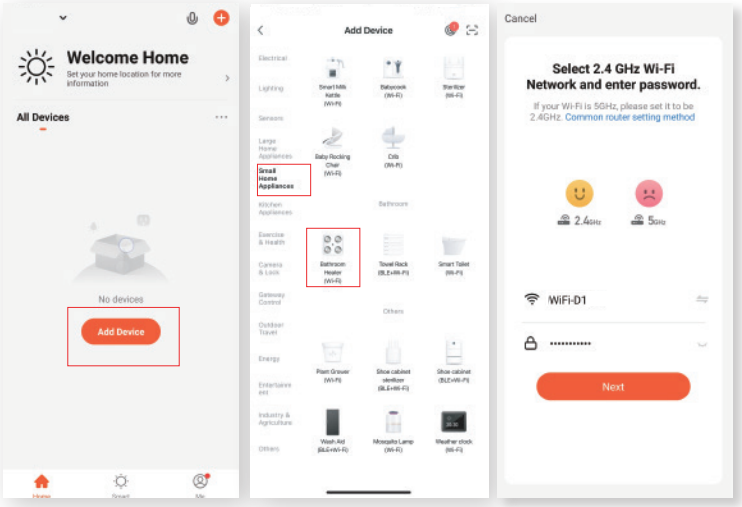
Open the TUYA SMART APP, sign up with an email or phone number.



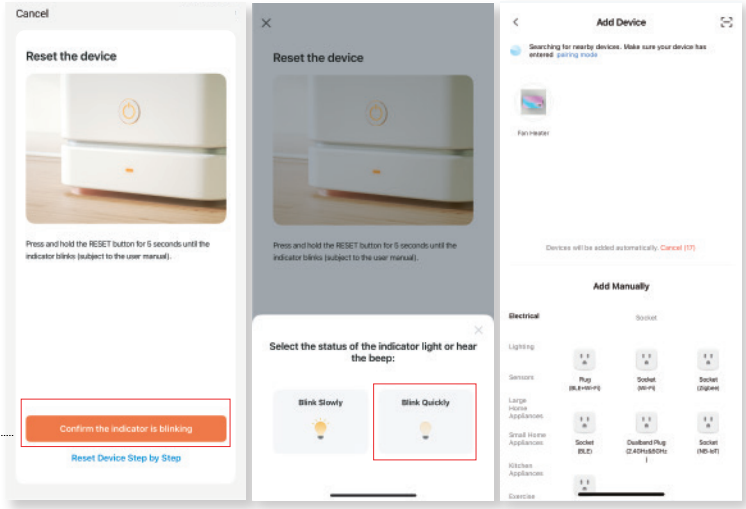
After connecting the machine to the power supply, press the " ▶II APP " three times consecutively on the remote control, and the device screen will display a 99s countdown. The machine will enter network configuration mode.

ABOUT OPERATION/CONTROL

1.3.1 Click the ⊕ on the top right to add the device, click the"Small Home Appliances" and select "Bathroom Heater(Wi-Fi)".Please select your network and enter password.Click “Next”.



1.3.2 then click to select the "Blink Quickly" button to enter add device state.

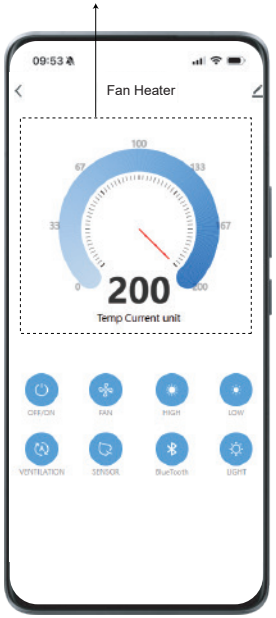


Confirm the screen displays a 99s countdown

ABOUT OPERATION/CONTROL

1.4 Use App

The App shows the air duct temperature, and the machine panel displays the ambient temperature.



- OFF/ON : Turn on or off the device.
- FAN : Turn the Fan function on or off.
- HIGH : Turn the High Warmth Mode function on or off.
- LOW : Turn the Low Warmth Mode function on or off.
- VENTILATION : Turn the Ventilation function on or off.
- SENSOR : Turn the Sensor function on or off.
- BlueTooth : Turn the Bluetooth function on or off.
- LIGHT : Turn the Light function on or off.

ABOUT OPERATION/CONTROL

2. Connect your speaker to the mobile APP.

First, you need to download the smart speaker App, log in or register an account, and connect the smart speaker.

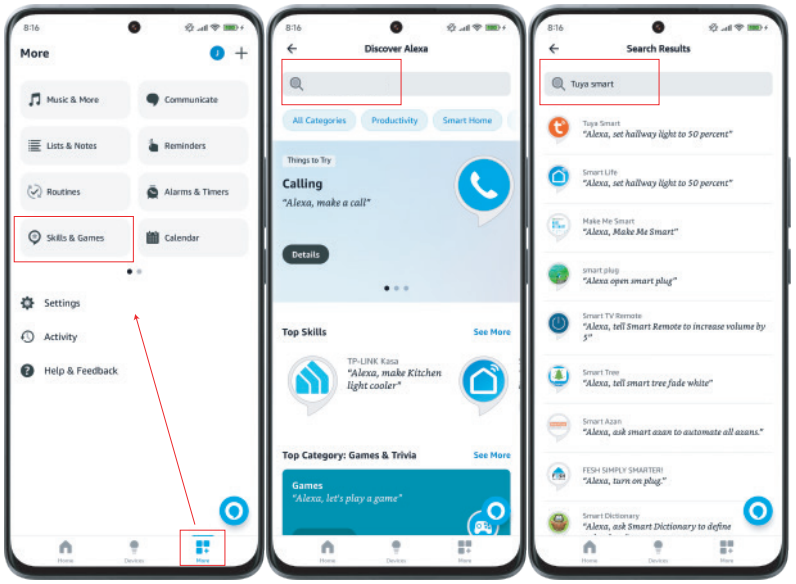
Download on the App Store GET IT ON Google Play

2.1 To connect the speaker to the app, you have two options:

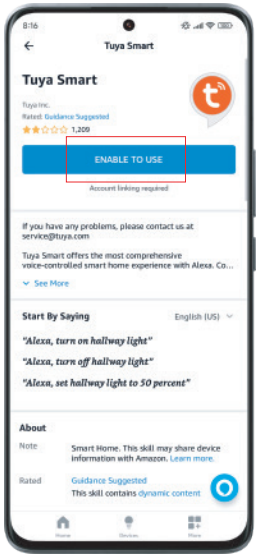
- **Option 1 – Use Alexa and Google to connect to the TUYA**

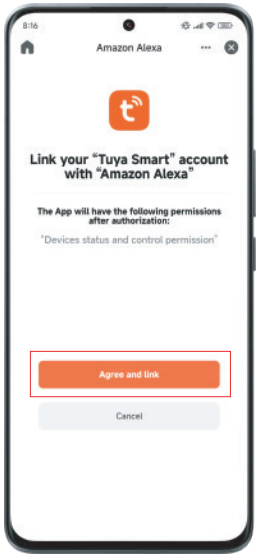
a. Alexa:

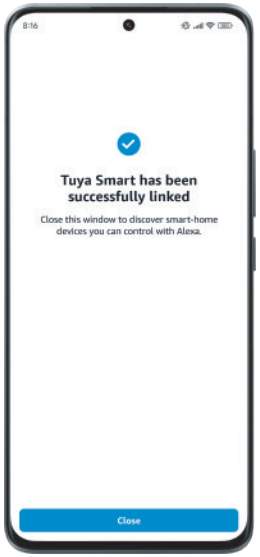
- Tap "More" at the bottom.
- Select "Skills & Games".
- Search for the skill (e.g., Tuya Smart) in the search bar.
- Click "ENABLE TO USE".
- The Alexa App will launch the Tuya Smart App—tap "Agree and Link".



ABOUT OPERATION/CONTROL

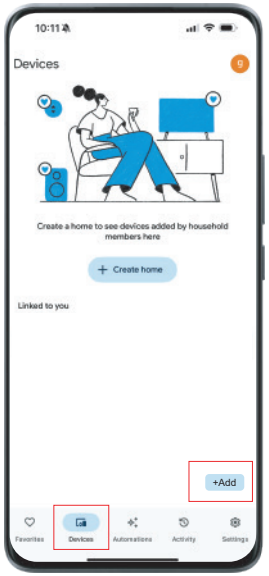


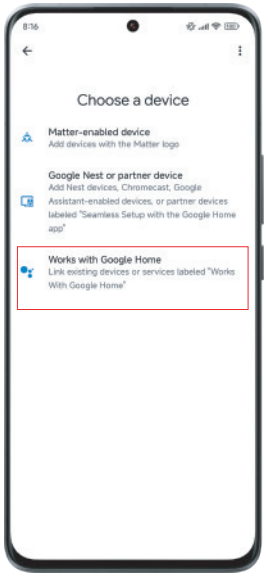




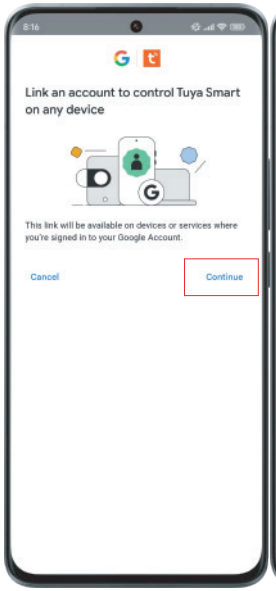
b. Google Home:

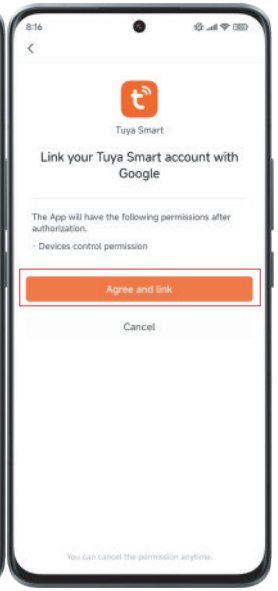
- Tap "Devices" at the bottom.
- Click "Add".
- Select "Works with Google Home".
- Search for the skill (e.g., Tuya Smart) in the search bar.
- Click "Continue".
- The Google Home App will launch the Tuya Smart App—tap "Agree and Link".





ABOUT OPERATION/CONTROL

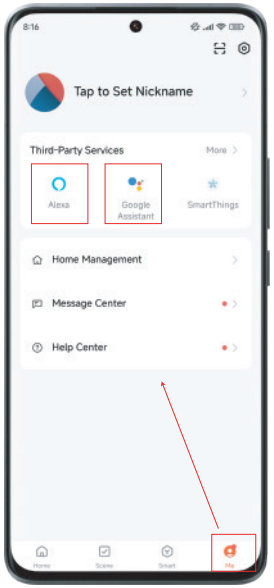




- **Option 2 –Alexa and Google also support connection starting from the Tuya App.**

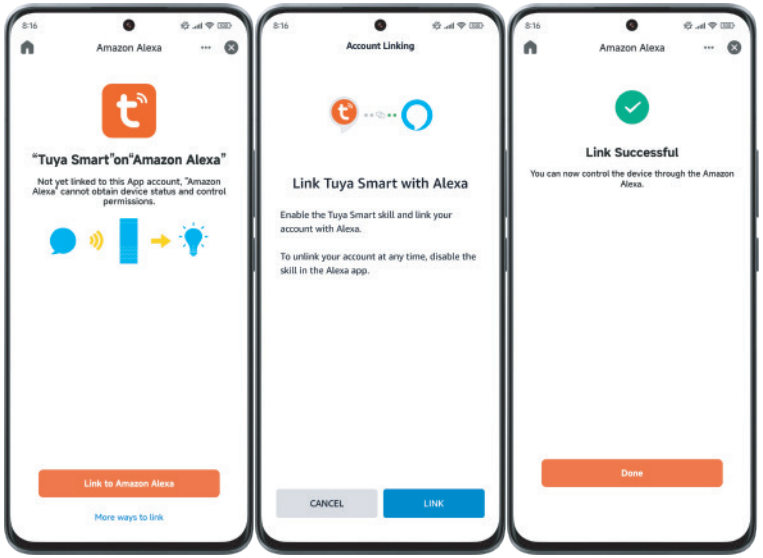
In the Tuya Smart App:

- Tap "Me" at the bottom.
- Select Alexa or Google.
- Tap "Connect".
- Confirm authorization.

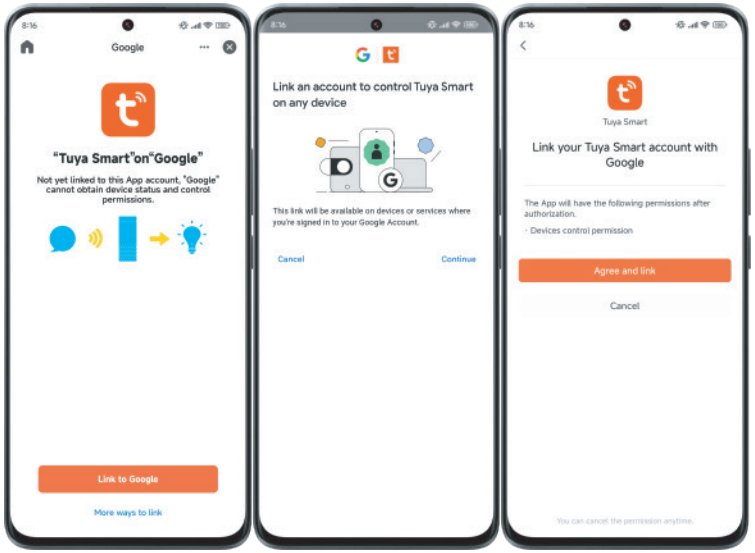


ABOUT OPERATION/CONTROL

a. Alexa



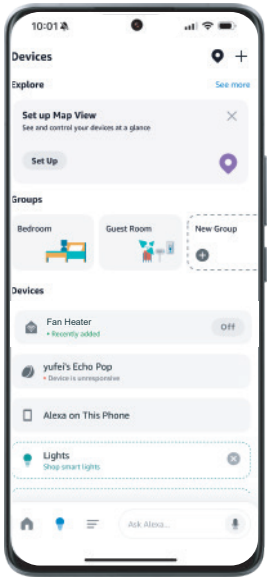
b. Google

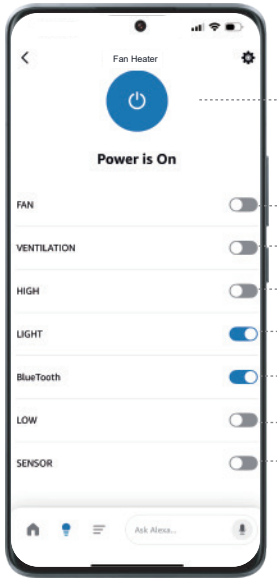


ABOUT OPERATION/CONTROL

2.2 Use APP

a. Alexa:





Click“ ”to turn on or off the device.

Click“ ”to turn the Fan function on or off.

Click“ ”to turn the Ventilation function on or off.

Click“ ”to turn the High Warmth Mode function on or off.

Click“ ”to turn the Light function on or off.

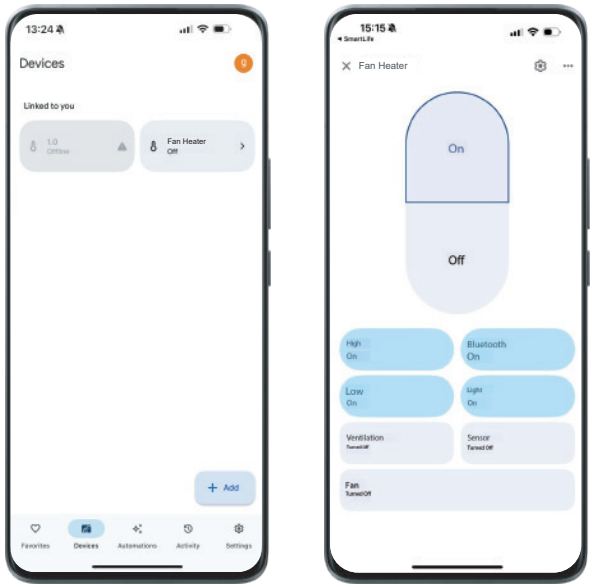
Click“ ”to turn the Bluetooth function on or off.

Click“ ”to turn the Low Warmth Mode function on or off.

Click“ ”to turn the Sensor function on or off.

ABOUT OPERATION/CONTROL

b. Google:



- Click“ On ”to turn on the the device.
- Click“ Off ”to turn off the the device.
- Click“ High ”to turn the High Warmth Mode function on or off.
- Click“ Low ”to turn the Low Warmth Mode function on or off.
- Click“ Bluetooth ”to turn the Bluetooth function on or off.
- Click“ Light ”to turn the Light function on or off.
- Click“ Ventilation ”to turn the Ventilation function on or off.
- Click“ Sensor ”to turn the Sensor function on or off.
- Click“ Fan ”to turn the Fan function on or off.

ABOUT OPERATION/CONTROL

Voice Operation:

Once the speaker is connected, activate voice control to operate your fan heater.

a. Alexa:

Category	Action	Command
ON/OFF	On	Turn on fan heater.
	Off	Turn off fan heater.
Bluetooth	On	Turn on Bluetooth on fan heater.
	Off	Turn off Bluetooth on fan heater.
Light	On	Turn on Light on fan heater
	Off	Turn off Light on fan heater
Fan	On	Turn on Fan on fan heater
	Off	Turn off Fan on fan heater
Sensor	On	Turn on Sensor on fan heater.
	Off	Turn off Sensor on fan heater.
High	On	Turn on High on fan heater.
	Off	Turn off High on fan heater.
Low	On	Turn on Low on fan heater.
	Off	Turn off Low on fan heater.
Ventilation	On	Turn on Ventilation on fan heater.
	Off	Turn off Ventilation on fan heater.

ABOUT OPERATION/CONTROL

b. Google:

Category	Action	Command
ON/OFF	On	Turn on fan heater.
	Off	Turn off fan heater.
Bluetooth	On	Activate Bluetooth for the fan heater.
	Off	Cancel Bluetooth for the fan heater.
Light	On	Activate Light for the fan heater.
	Off	Cancel Light for the fan heater.
Fan	On	Activate Fan for the fan heater.
	Off	Cancel Fan for the fan heater.
Sensor	On	Activate Sensor for the fan heater.
	Off	Cancel Sensor for the fan heater.
High	On	Activate High for the fan heater.
	Off	Cancel High for the fan heater.
Low	On	Activate Low for the fan heater.
	Off	Cancel Low for the fan heater.
Ventilation	On	Activate Ventilation for the fan heater.
	Off	Cancel Ventilation for the fan heater.

COMMON PROBLEM SOLUTIONS

Issue	Possible Cause	Solution
Remote control not responding	Disconnection	Check power supply and re-pair the code
Fan not spinning	Circuit not connected	Check power supply andensure wiring is correct
Excessive noise	Air duct blocked	Clean the air duct and check if the exhaust port is clear
The heating function does not work	Overheat protection triggered	Power off for 10 minutes, then restart
Cannot operate exccept lighting function	Operation locked in purifi-cation mode, only lighting can be controlled	Press the power-off button and wait for shutdown, then it can be used normally
Fan continues to spin after turning off heating	Cooling protection, fanspins for 20-30 secondsafter shutdown	Normal protection

WARRANTY

Our warranty guarantees that the products we sell are free from manufacturing defects for a period of one (1) year from the date of purchase. We will address any issues in accordance with the termsoutlined below:

- This warranty applies to products purchased directly from us or through our authorized dealers.
- It covers defects in materials, workmanship, and malfunctions that render the product unusable.
- The warranty period is valid for one (1)year from the original date of purchase.
- Within the warranty period, we will either replace the defective product or issue a refund, at our discretion.

Notice

This warranty does not cover damages resulting from misuse, abuse, or normal wear and tear. It is non-transferable and valid only for the original purchaser.

Return Process

Damaged?
Wrong item?
Missing Parts?

Get your order information ready , photos will be very helpful.

Contact us.
https://www.hawkrown.com
service@hawkrown.com

Our service team will take care of your inguiries accordingly.

At last,
we shall provide a suitable solution to you.

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.

Any 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.

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