

Version: 2021-9-13
INFRARED HEATER



Models

HEAT-WHITE-1500-WIFI

HEAT-WHITE-1800-WIFI

HEAT-WHITE-2400-WIFI

HEAT-WHITE-3200-WIFI

HEAT-BLACK-1500-WIFI

HEAT-BLACK-1800-WIFI

HEAT-BLACK-2400-WIFI

HEAT-BLACK-3200-WIFI



The photo is indicative only, the real device may appear slightly different in color.

IMPORTANT INFORMATION

Read the operating instructions carefully before installing and using the infrared heater.

This user manual contains important information for your safety, as well as some recommendations on the correct use of the appliance and its maintenance.

WHAT'S IN THE BOX

• Infrared heater equipped with flexible cable and Schuko plug. • Instructions for use and installation. • A box containing 2 sets of brackets.

• An infrared remote control (AAA batteries not included)

SAFETY INSTRUCTIONS

• There are certain precautions to be observed when using the infrared heater. Improper use without observing the precautions can cause damage to the health of the user and other people, as well as damage to their property.

• Use only the voltage indicated on the nameplate of the heater. • Only connect the appliance to a correctly installed socket with earth contact. • The heater must be connected to the mains via a 2-pole circuit breaker. • It is highly recommended to use a 30mA RCD. • The unit must be handled with care and avoid vibration or shock. • Do not use the appliance in areas where gasoline, paint or other flammable liquids are used or stored. • Do not use the appliance in particular in dusty environments or where explosives are stored. • Do not use the appliance on a building site, greenhouse, barn or animal house. • Do not use the appliance as a sauna heater. • Heating: Do not touch the radiant plate. The temperature of the radiant plates during the operation of the heater can reach 380 ° C. To avoid burns, do not touch the surface of the appliance with your hands and other parts of the body. It is also necessary to avoid touching the heater while the appliance is switched on, as severe burns can occur. The appliance may take up to 1 hour to cool down after it is turned off.

• Do not place any clothing, towels or the like on top of the heater to dry. Risk of overheating and fire.

• Do not leave the heater unattended during use.

• Do not use this heater on a wet surface, or where it can fall or be pushed into water. • Do not touch an appliance that has fallen into water. Turn off the power first and disconnect the plug immediately. • If the power cord is damaged, it must be replaced by a licensed electrician. • If the heater is defective, it must be checked and repaired by the manufacturer, its service agent or

equally qualified persons for the repair.

• Do not use the appliance with wet hands. • Use this appliance only as described in this manual. Any other use is not recommended by the manufacturer and may cause fire, electric shock or injury.

• Do not use abrasive products to clean this appliance. If the body gets dirty, wipe the dust with a cloth, the radiant boards should be cold cleaned with a soft damp cloth. Always remove the plug from the mains before cleaning.

• The heater must be installed by an authorized installer at least 2.2m above the floor • The heater must not be located immediately under a power outlet. The power outlet must not be located on the back of the heater. The power outlet should be located outside the physical footprint of the unit to minimize heat build-up behind the heater.

• The installation must be equipped with a standard power supply point with a contact distance of

interruption of at least 3 mm. The standard power outlet must be installed by a licensed electrician. ⚠ If the heater is to be installed on a slope (e.g. sloped or angled ceiling), make sure that the electrical connection is placed at the lowest point of the heater. ⚠ Do not connect the appliance to the electrical power source until it has been installed in your appliance

final position and adjusted to the position in which it will be used.

⚠ Do not operate with the coiled cable as this may cause a build up of heat, which could be dangerous.

⚠ We do not recommend using an extension cord with this appliance. ⚠

Do not allow the cord to come into contact with heated surfaces during operation. ⚠ Do not run the power cord under carpets, rugs or runners, etc. Place the cable away from areas where you could trip over.

⚠ Children under the age of 3 must be kept away unless continuously supervised. ⚠ Children between the ages of 3 and 8 must be able to switch the appliance on and off only on condition that it has been placed or installed in its intended normal operating position and that they have received instructions relating to the use of the appliance under supervision. the appliance in a safe manner and that they understand the dangers involved. Children from the age of 3 to less than 8 years old must not connect, adjust and clean the appliance or carry out maintenance.

⚠ This appliance can be used by children aged 8 and over and by people with reduced physical, sensory or mental abilities or with little experience and knowledge, if they have received, under the supervision of an expert, instructions on the safe use of the appliance and they understand its dangers. Children must not play with the appliance. Cleaning and maintenance of the appliance must not be carried out by unsupervised children.

⚠ The appliance is only intended for the purpose described in the operating instructions. ⚠ Do not use the appliance or any part of the appliance outside of the intended use to avoid risks. ⚠ The use of accessories that are not recommended or not sold by the manufacturer of the appliance may result in a risk of injury to the people.

⚠ **WARNING** - some parts of this product can become very hot and cause burns. Particular attention must be paid to children and vulnerable people.

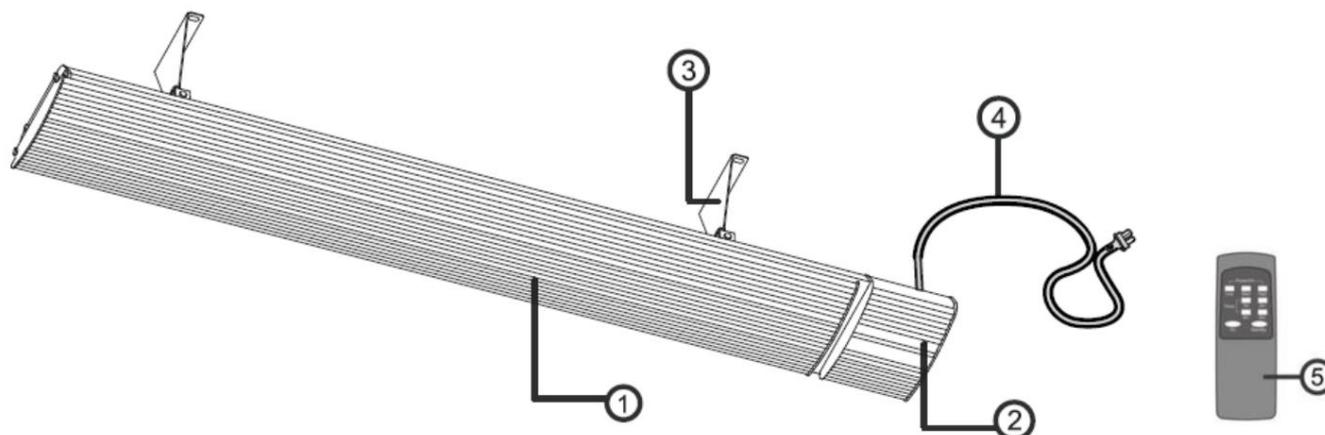
⚠ Install and operate the heater strictly horizontal on the ceiling or surface structural ceiling. The thermal resistance of the ceiling cladding and the ceiling material must be of at least 80 ° C.

⚠ **ATTENTION:** This heater is not equipped with a device for controlling the room temperature. This heater should be used outdoors, outdoors or in large rooms with high ceilings. ⚠ The heater must not be placed close to the floor, as severe burns from water can occur high surface temperatures.

⚠ Do not use this heater in small rooms or where the room or area is occupied by people who are unable to leave the room alone, people who are unable to operate the heater safely by following the guidelines in the user manual, unless constant supervision is required.

HOW TO OPERATE THE HEATER

General design



1. Radiant surface of heater 2. Heater operation indicator

3. Brackets for wall or ceiling mounting 4. Power cables and plug.

5. Remote control

Technical specifications

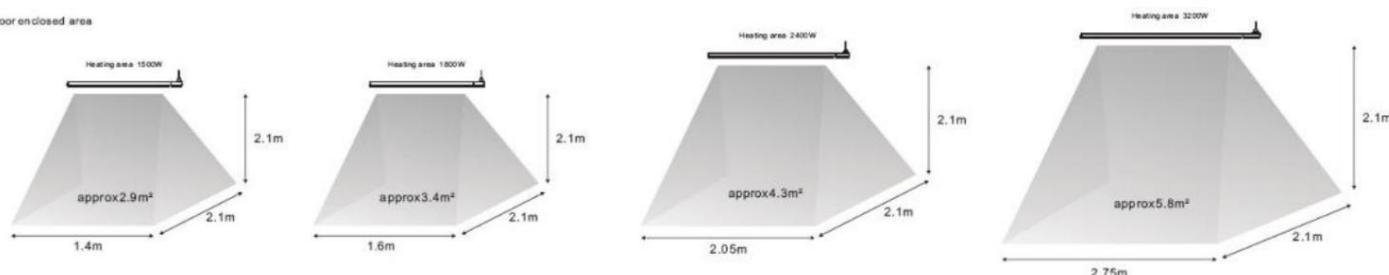
MODEL NAME	HEAT WHITE BLACK 1500-WIFI CH15A7R	HEAT WHITE BLACK 1800-WIFI CH18A7R	HEAT WHITE BLACK 2400-WIFI CH24A7R	HEAT WHITE BLACK 3200-WIFI CH32A7R
Voltage	230-240V ~ 50Hz	230-240V ~ 50Hz	230-240V ~ 50Hz	230-240V ~ 50Hz
Rated power (W)	1500	1800	2400	3200
Ideal wall mounting height (M)	1.8- 2.1	1.8- 2.1	1.8- 2.1	1.8- 2.1
Ideal ceiling mounting height (M)	2.1- 2.1	2.1- 2.3	2.1- 2.5	2.1- 2.5
Electrical protection class				
Protection rate against splashing water	IP65	IP65	IP65	IP65
The length of the cable (mm)	1050	1050	1050	1050
Unit size L * W * H (mm)	1045 * 177 * 60	1225 * 177 * 60	1505 * 177 * 60	1915 * 177 * 60

Heating area (M2)

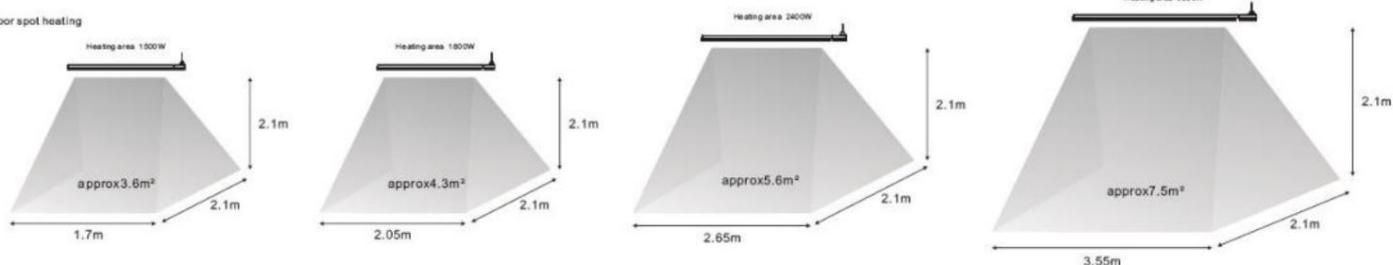
The radiator panel heater produces radiant heat that heats objects rather than air. Therefore, it is imperative that the objects to be heated (i.e. people) are within the surface directly irradiated by the heater.

The following diagrams show the approximate heating area based on an indoor and outdoor enclosed environment. The diagram shows that the maximum heat output lies directly under the heater and the temperature decreases man as the user moves away from the heater.

Outdoor enclosed area



Indoor spot heating



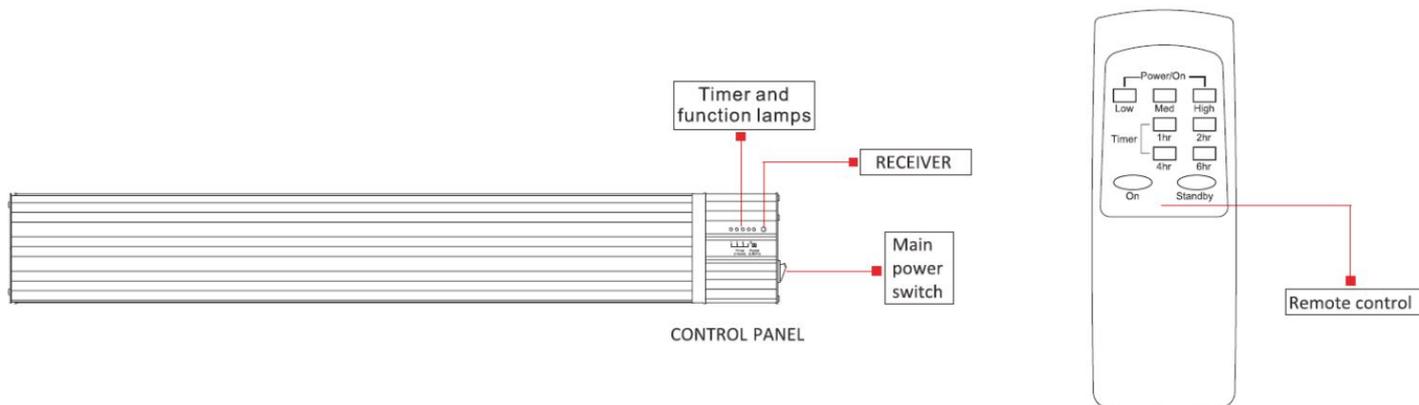
OPERATION

ATTENTION!

During the warm-up or cool-down period, slight crackling sounds may be heard. This is a normal operating noise.

NOTE:

- The discoloration of the paint on the wall of the heater body directed to the ceiling during operation is not a defect. The color change for the heating plates is not a defect.
- After switching on the appliance for the first time and after long periods of non-use, the appliance may eject a slight odor for a short time. This does not affect the use of the heater.
- To exclude unpleasant burning odors, it is recommended to keep the heater clean and avoid the accumulation of dust on it.
- The distance between the heater and the remote control must be less than 3 meters, and the remote control must point directly to the receiver on the front panel during the operation.

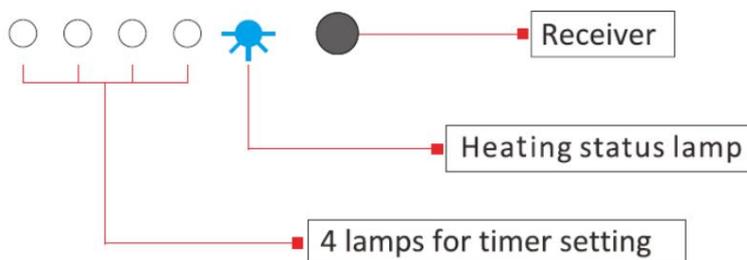


Operations:

1. Insert 2 AAA batteries (not included) into the remote control
2. Plug the appliance's power cord into the socket, and press the (Main power Switch) in position I (figure 1), the appliance beeps, the heating status indicator turns blue and flashes, the appliance is switched on in standby mode, but does not heat up yet (figure 2).



Picture 1



Picture 2

3. Point the remote control directly at the receiver, press the "ON" button, the appliance will emit 1 beep. The device starts to heat up in high power mode (100% of the nominal power), the heating status check bulbs will turn red (figure 3).



Picture 3

- Press the "standby" button, the appliance will emit 1 beep and return to Standby mode, with the blue lamp on and flashing (figure 4).



Picture 4

4. When the appliance is in heating or standby mode, point the remote control directly at the receiver and press the "low" button, the appliance will beep and start heating in lower power mode (33% of power nominal). The heating status light turns BLUE (Figure 5).



Picture 5

5. When the appliance is in heating or standby mode, point the remote control directly at the receiver and press the "Med" button, the appliance will emit 1 beep, and it will start operating in medium power mode (66% of the total rated power). The heating mode indicator turns green (figure

6).



Picture 6

6. When the appliance is in heating or standby mode, point the remote control directly at the receiver and press the "High" button, the appliance will emit 1 beep, and it will start operating in high power mode (100 % of total rated power). The heating mode indicator turns red (Figure 7).



Figure 7

Timer function:

Press the time zone buttons on the remote control (figure 8), to activate the delay switch-off timer.

For example, point the remote control directly at the receiver and press the "1" button, the first light bulb on the right will turn white (figure 9), the unit will automatically turn off after 1 hour and return to standby mode. (figure 4).



Figure 8



Picture 9: 1 timer of

Press the "2 hr" button to activate the 2 hour timer and press the "4 hr" button to set the 4 hour timer and press the "6 hr" button to set the 6 hour timer (Figure 10).

Please refer to the figure below to illustrate the timer set.



Figure 10

Press the "1h" button first and then the "2h" button to activate the 3-hour timer (figure 11).



Image 11

Press the button for 1h, 2h, 4h and 6h in order, to activate a timer of up to 13 hours (figure 12).



Image 12

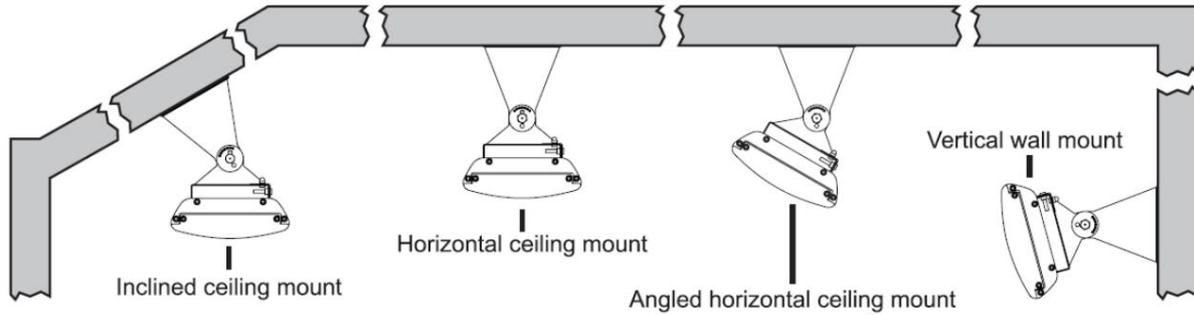
INSTALLATION

Before installation, please read the manual carefully.

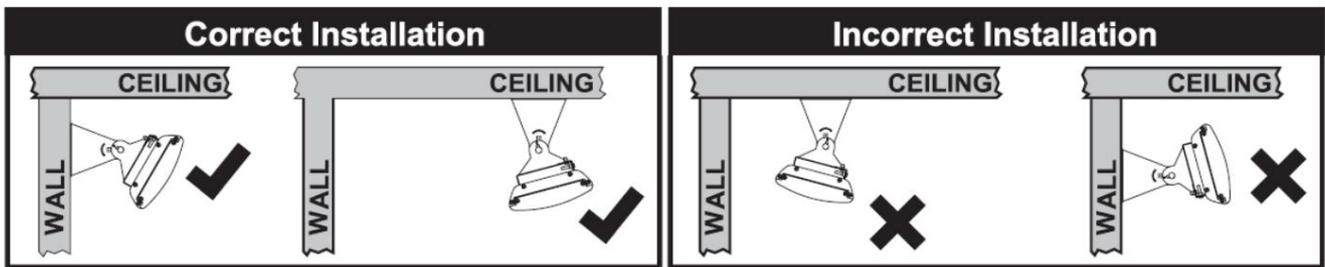
The heater must be installed according to the manufacturer's installation instructions.

This heater is supplied with a pair of stainless steel adjustable angle mounting brackets. The corner

adjustable allows you to install the heater on vertical, horizontal and inclined surfaces.



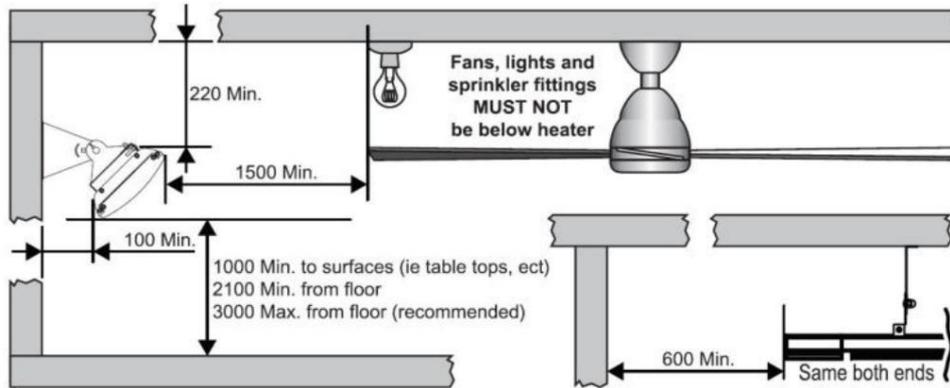
The ideal mounting position is directly above the area to be heated in a longitudinal orientation and facing vertically downwards. If this is not possible, the heater (s) can be mounted on a wall and angled downwards.



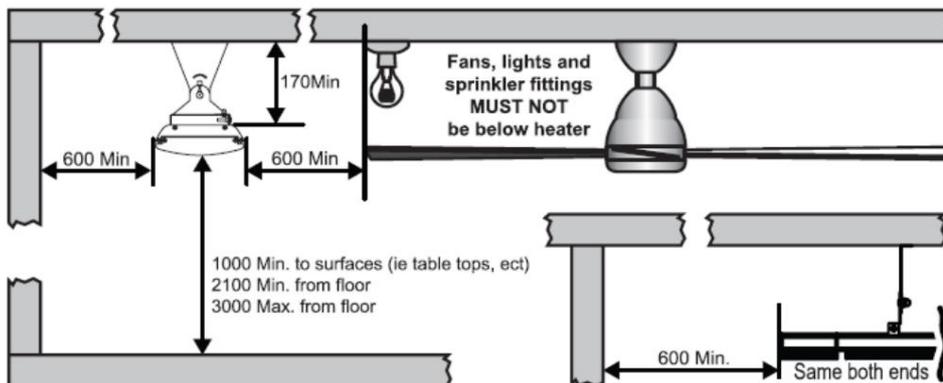
Attention: The heater must never be installed in a position facing upwards or inwards, the heating surface must always be positioned in such a way as to direct the heat downwards or outwards.

Authorizations

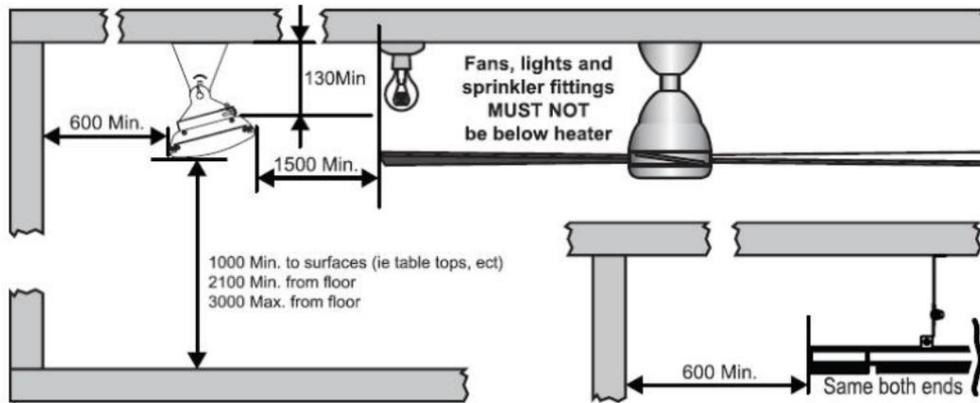
Minimum clearances when mounting the heater on a vertical wall.



Minimum distances for mounting the heater parallel to the ceiling.



Minimum clearances when mounting the heater at an angle to the ceiling.

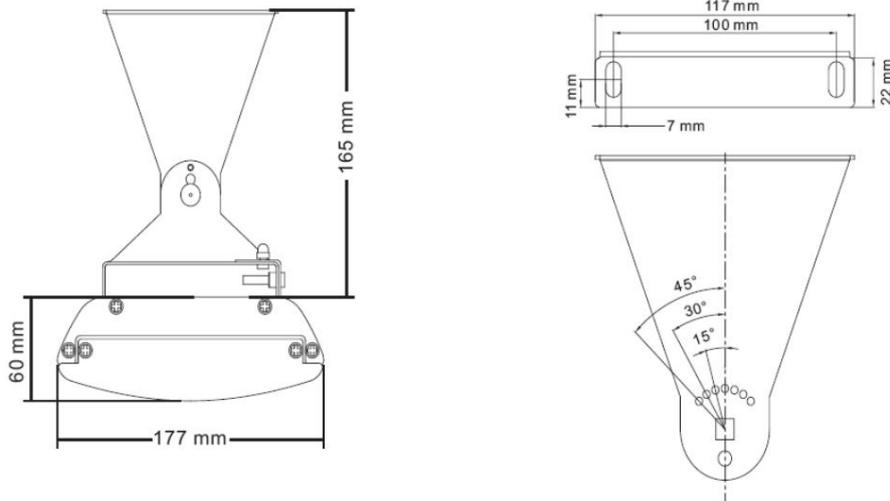


Installation process

ATTENTION! The installation of the infrared heater and its connection to the power supply must only be carried out by qualified specialists in accordance with the electrical installation regulations and the safety regulations of the heating system.

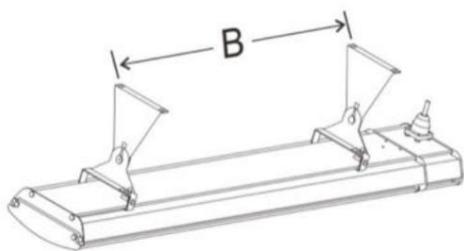
Power supply.

1. Unpack the factory package and carefully remove the heater.
2. Pull the sheet of wrapping paper out of the end of the heater.
3. Pull out a pair of mounting brackets. These adjustable brackets allow direct mounting to the ceiling or wall, and come with preset angle options of parallel, 15 °, 30 °, 45 ° and 165mm height.



4. The correct installation process, as per the above diagram, selects the location of the heater on the ceiling by placing the structural pin or beams to ensure a safe fixing of the heater, respecting the minimum distances from the floor and other objections.

5. Install two ceiling or wall brackets with the following recommended minimum bracket distance "B".

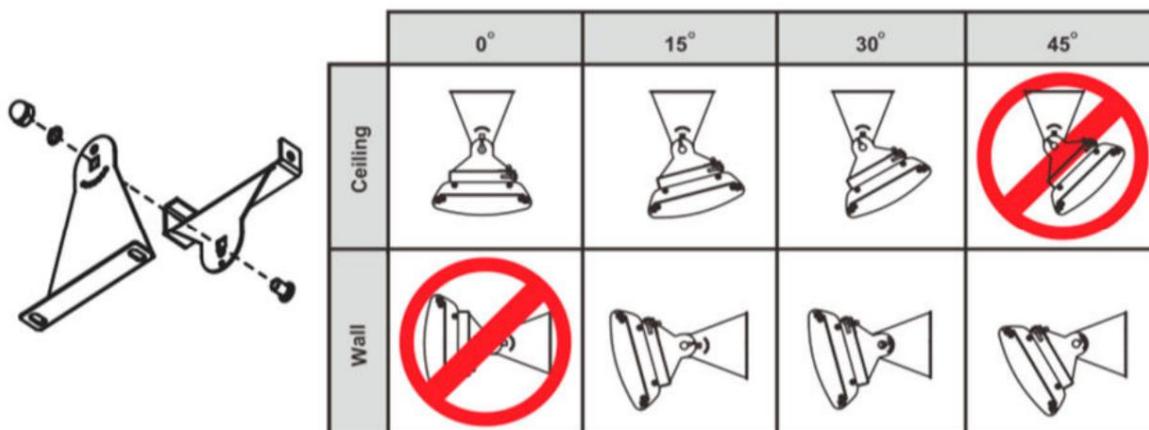


Template n.	" B " MINIMUM DISTANCE (mm)
1500W	530 ± 50
1800W	710 ± 50
2400W	990 ± 50
3200W	1400 ± 50

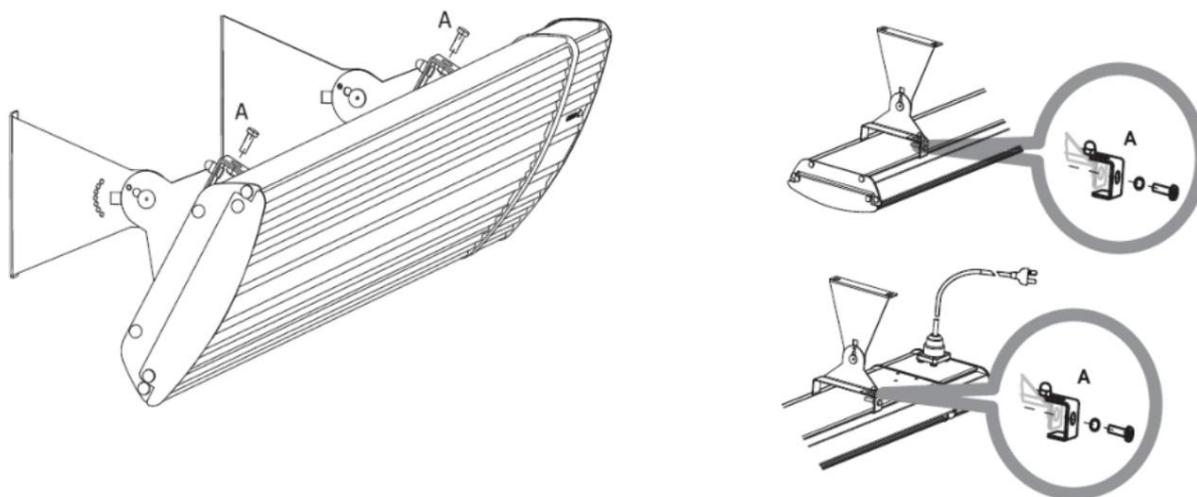
6. Set the adjustable angle mounting brackets to the desired angle and secure the brackets with a wrench.

For ceiling installation, the available mounting angles are limited to 0 °, 15 ° and 30 ° only.

For wall installation, the available mounting angles are limited to 15 °, 30 ° and 45 ° only.



7. Hang the heater from the brackets and secure it securely in place with the mounting bracket locking plates tightening the bolts.



NOTE:

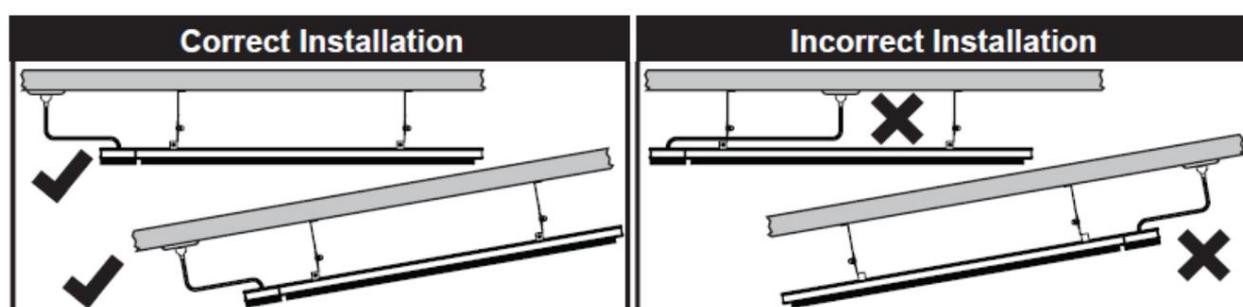
• Depending on the material and design of the structural elements of the ceiling or wall, the heater must be fixed with the correct fasteners. The weight of the heater is up to 9.5 kg, the place of installation must be able to support 5 times the weight of the heater.

• It is the responsibility of the installer to choose the correct wall or ceiling fixing.

Model (power)	1500W	1800W	2400W	3200W
Weight(Kg)	5.3	6.0	7.4	9.4

Connection to the electrical network

- The heater is designed for connection to a single-phase 230-240V ~ 50Hz grounded electrical network. • Before connecting, make sure that the mains specifications at the connection point meet the voltage single phase 230-240V ~ 50Hz.
- The electrical network must be equipped with an automatic circuit breaker with a rated current of not less than 16A.
- It is highly recommended to use a breaker with a ground circuit. • The heater should not be placed immediately below the power outlet. The socket must not be located behind the heater. The power outlet must be outside the physical footprint of the heater to minimize heat build-up behind the heater.
- If the heater is to be mounted on a slope (eg vaulted ceiling), make sure that the supply point is located at the lowest point of the heater.



MAINTENANCE

- Maintenance should only be performed by a qualified electrician. • During operation it is necessary to periodically check (once a year) the contacts of the electric cables and connectors clamps for good tightening.
- If the heater gets dirty, clean the dust with a damp cloth, the radiant parts must be cold cleaned with a soft damp rag.

ATTENTION!

ÿ Never immerse the appliance in water! Death danger!

TROUBLESHOOTING

Possible malfunctions are shown in the table below.

SYMPTOMS	IT CAUSES
Does not heat up / No indicator of operation	Check that the power is connected and turned on
The heater stinks when used for the first time.	This is caused by the oil or dust left over from the manufacturing process and will stop after a short period of time
Faint odor for short periods after the heater is turned on	This is normal and should stop after a short time
The heater stinks when turned on after periods of inactivity	Formation of debris and dust on the heater, Turn off the heater and allow it to cool and then clean
Rattling noises when the heater is on and after being turned off	These are noises of expansion and contraction of metal components of the heaters and this is normal

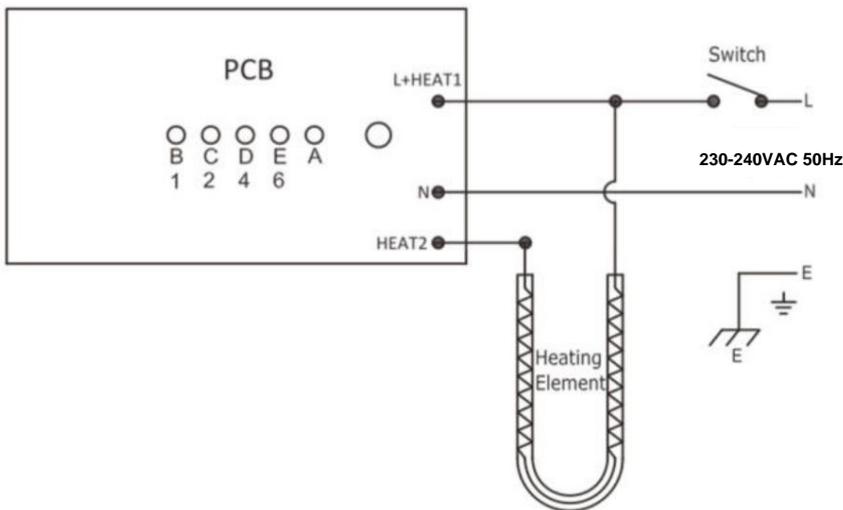
<p>Poor heating performance</p>	<p>Exposure to extreme environmental conditions such as strong winds / excessively cold temperatures can lower the performance of heating of an outdoor installation</p> <p>The unit is not installed in the correct position, perhaps too high or the heater is too small for the recommended area.</p>
---------------------------------	--

When to contact the after-sales service or the authorized dealer

There are no user serviceable parts in this appliance, but only an authorized person can service or service this appliance by a qualified electrician.

SYMPTOMS	IT CAUSES
<p>There is a burning smell and / or strange sounds (other than normal expansion and contraction noises) coming from the unit</p>	<p>Turn off the heater and contact the seller.</p>
<p>When the circuit breaker trips automatic (safety, grounding) or blown fuses.</p>	<p>Switch off the heater and contact your authorized electrical installer</p>
<p>Poor heating performance</p>	<p>Incorrectly dimensioned installation, contact your own authorized electrical installer</p>
	<p>Defective heater element, turn off the heater and contact the salesperson</p>
<p>Does not heat up / No indicator of operation</p>	<p>Check the power is plugged in and turned on, if still faulty, turn off the heater and contact the seller or the installer electrician.</p>

ELECTRICAL DIAGRAM



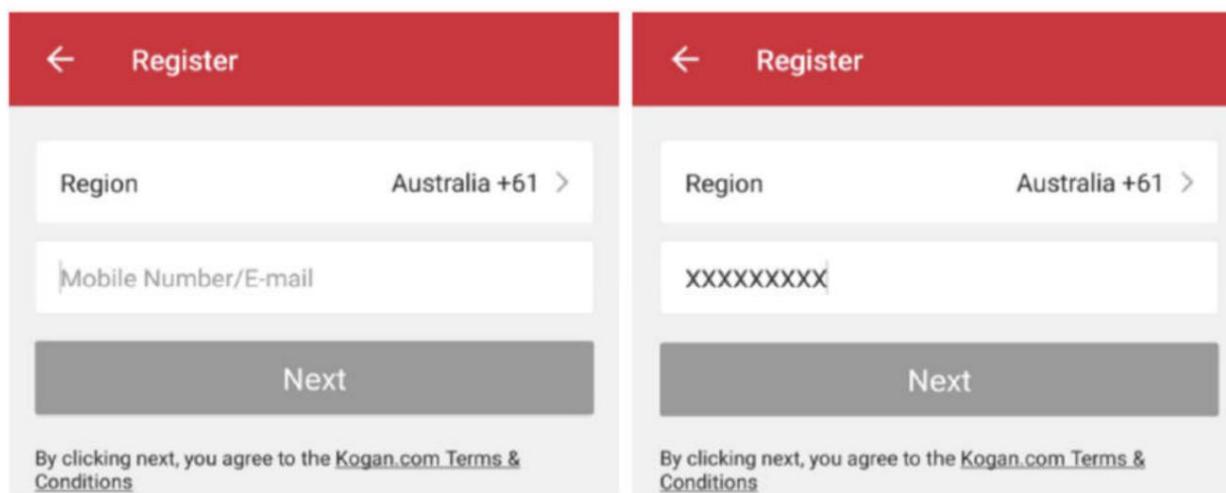
Connect the smartphone to the heater

TUJA WIFI APP

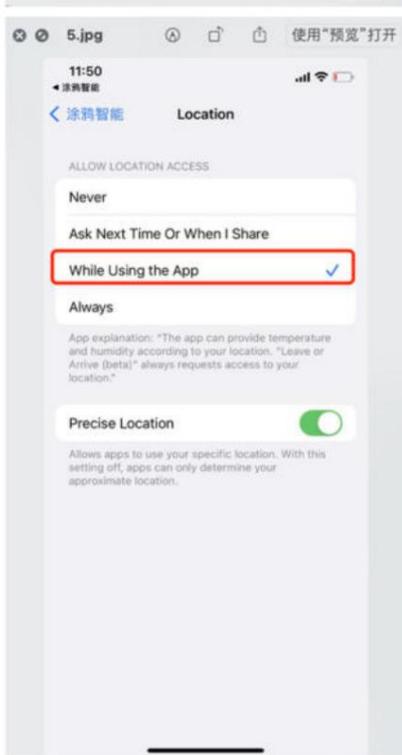
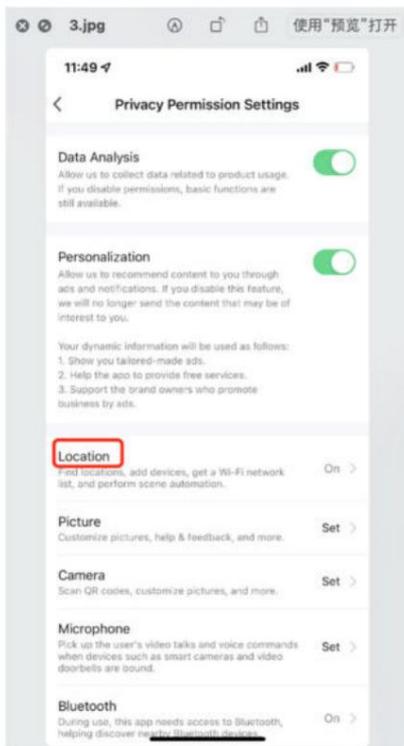
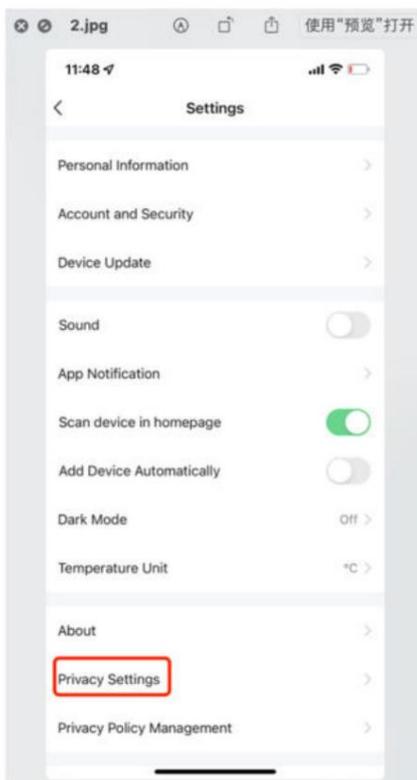
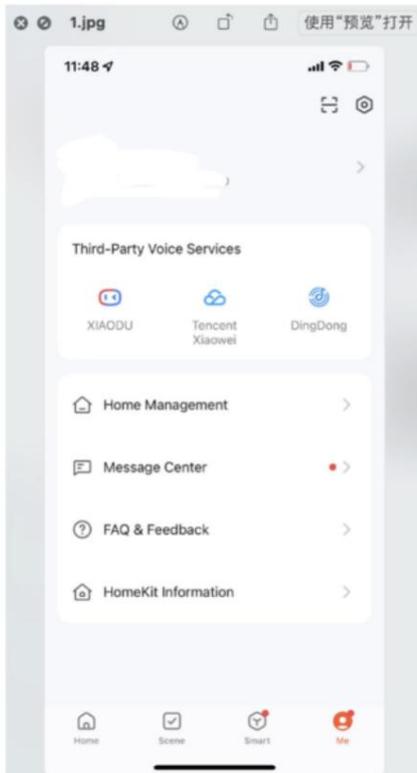
- Download the "TuyaSmart"  or "Smart Life"  and follow the steps below to connect the heater App with the App.



- The system automatically recognizes your country / area. You can also manually select your country code. Enter your mobile number / email address and tap "Next"
- If you choose the mobile number option, enter the verification code in the message sent via SMS. Set a password as required and press "Confirm" to complete the registration.

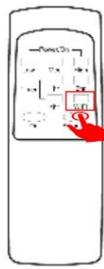


-  Activate the ~~BLUETOOTH~~  on the smartphone
- Set the permission for the location in the APP setting. The interface of ISO or Android will be a little difference. The process shown below is for ISO.

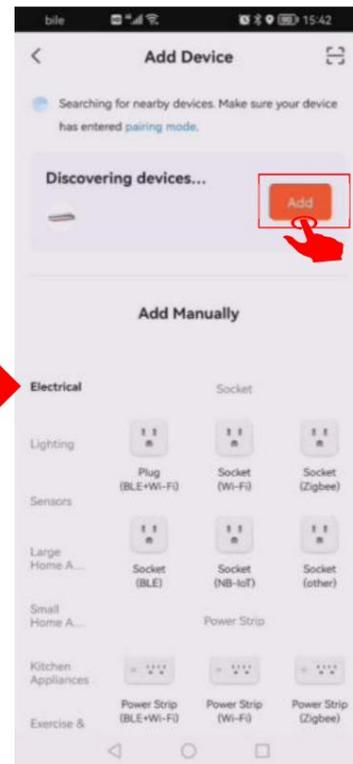


ÿ Press the "WIFI" button on the remote control 5 seconds, it will reset the unit to WIFI ready for connection with your smartphone.

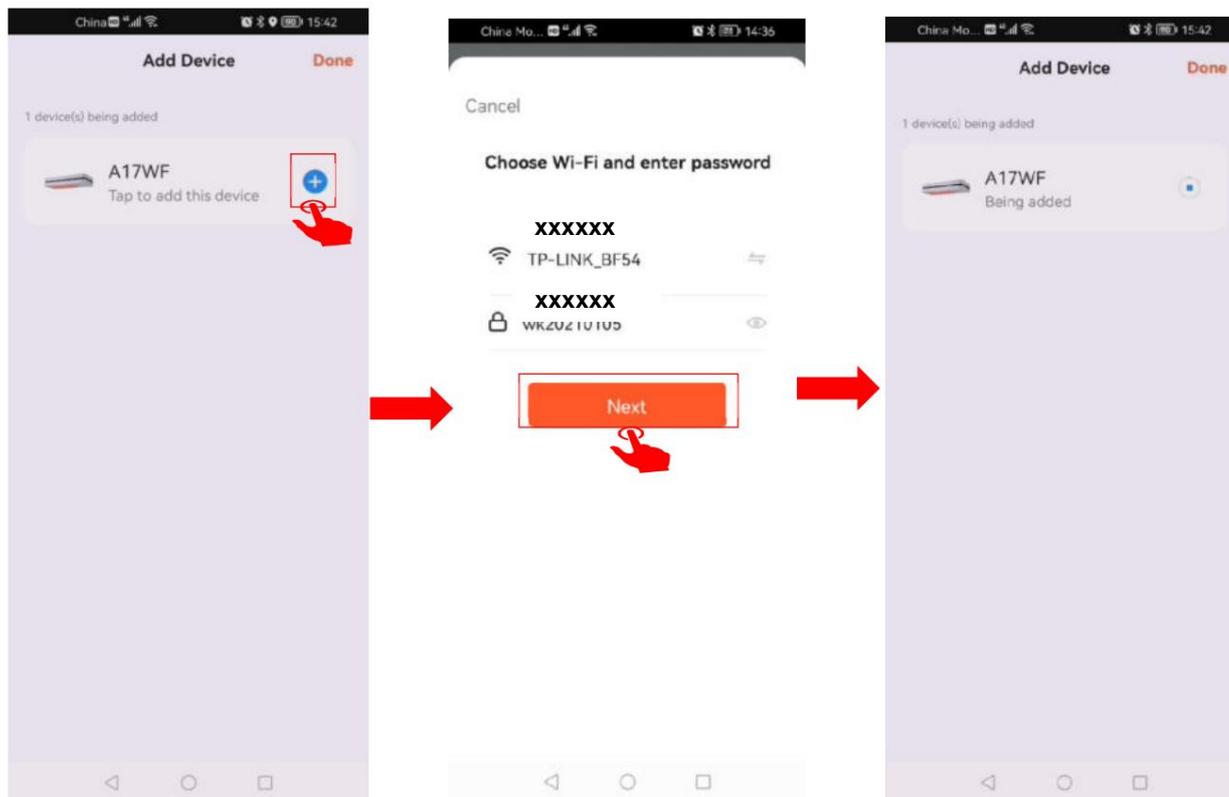
The "FI" symbol will flash and the unit will enter pairing mode, which will last in two minutes.



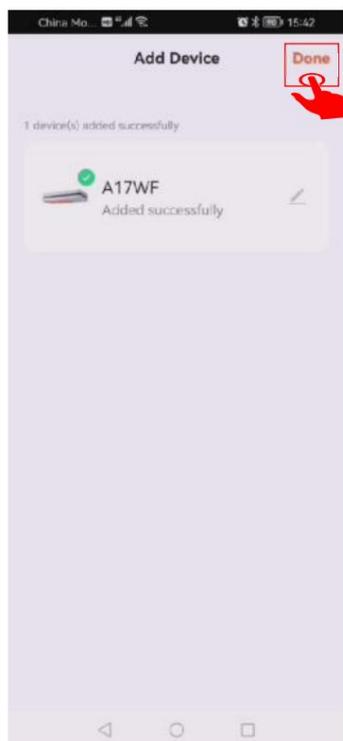
Open the "TuyaSmart" APP  or "Smart Lift" , Press Add Device, APP will Search nearby devices automatically.



select 2.4 GHz Wi-Fi only, enter your username and password and click the NEXT button



Please click button to enter the operation interface.

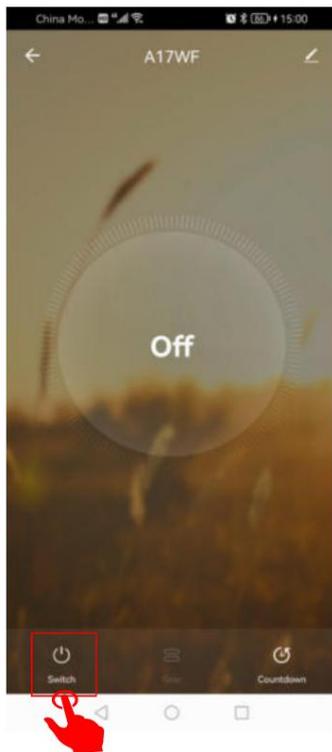


CAUTION

- When the heater is connected with a smartphone and no further operation on [redacted], the symbol "FI" will be indicated on the display without flashing.
- If the connection failed, please check the WIFI signal is strong or not. The heater and the smartphone they should be close to the WIFI router as close as possible.
- Please reset or turn on the WIFI, Press the "WIFI" button on the remote control 5 seconds, it will reset the unit to the WIFI ready for connection with smartphone.

3.3.2 Operation on the APP

ÿ Click the "Switch" icon, it will set the heater to full power and the "P5" symbol will be displayed.



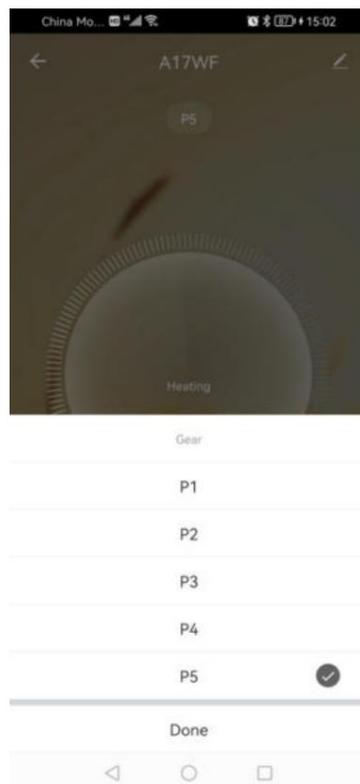
ÿ Click the "GEAR" icon, it will set the heater in different power levels.

ÿ Level1: 33% of the rated power and P1 will be displayed. ÿ

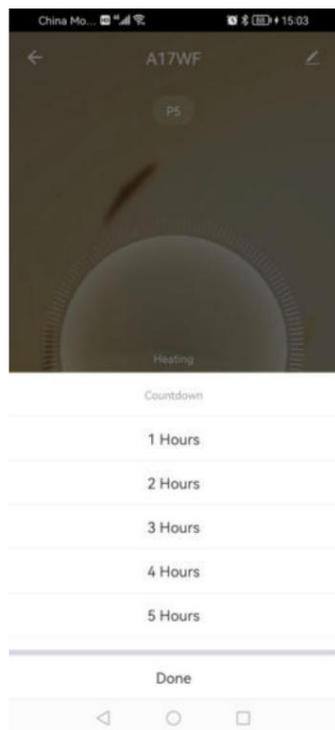
Level 2: 50% of the rated power and P2 will be displayed

ÿ Level 3: 66% of the rated power and P3 will be displayed.

ÿ Level 4: 80% of the rated power and P4 will be displayed. Level 5: 100% of the rated power and will be displayed P5.



Click the "countdown timer" icon, select the desired timer from 1 hour to a maximum of 13 hours and the corresponding number will be shown on the display. Click the "Cancel" icon to cancel the set timer.



ATTENTION: the set power level and the remaining timer will be shown on the display in sequence. The unit will be in standby mode.

ATTENTION: There is a built-in safety feature that will automatically activate the heater to go into standby mode after eight hours of continuous operation, if the timer is not activated.

3.3.3 Reset or activate WIFI.

Press the "WIFI" button on the remote control for 5 seconds, it will restore the unit to STANDBY MODE, ready for connection with the smartphone.

ATTENTION: after resetting the unit, the connected smartphone will be removed from the modular WIFI. Please reconnect the smartphone with the unit according to the instructions.

3.3.4 Operate the unit with REMOTE

Connect the heater to a 230-240V ~ 50-60Hz socket. Set the rocker switch to position II, the heater will start in Standby mode.

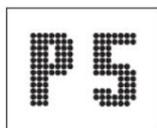
CAUTION:

Regardless of whether the heater is connected to a smartphone or not, the remote control can operate the device.

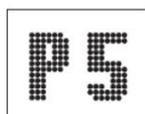
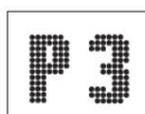
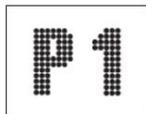
The distance between the heater and the remote control must be less than 3 meters, and the remote control must aim directly to the receiver.

POWER SETTING

Press the "ON" key on the remote control, the heater starts working at high power (P5);



Press "LOW", "MED" and "HIGH" on the remote control, the heater works at LOW and MED, the HIGH power setting and the symbol "P1" "P3" "P5" will be indicated in the display area.



Level 1
(Bass)

Level 3
(Med)

Level 5
(High)

P1: 33% of the rated power;

P3: 66% of the rated power

P5: 100% of the rated power

• **SETTING THE TIMER.**

• The heater comes with a programmable timer that will automatically place the heater in Standby mode after 1, 2, 3, 4 ... max. 7 hours of operation.

To activate the timer, point the remote control directly at the receiver and press the "1 hour" button, "01" will be indicated in the display area as shown below. this will activate the heater to automatically enter Standby mode after 1 hour of operation.

To set the 7 hour timer, point the remote control directly at the receiver and then press 1 2 4 on the remote control, "7" will be indicated in the display area. This will activate the heater to automatically go into Standby mode after 7 hours of operation.

CAUTION:

1, During the running time of the timer, the number on the display shows the remaining time. For example, the 7 hour timer is activated, the display will show "5" after 2 hours of running; 2, The set power level and remaining timer will be shown on the display in sequence. The unit will be in standby mode if the timer is over, an FI will be indicated on the display .;

• **Disable or reschedule the timer.**

If the timer is activated, repeatedly pressing the button will reschedule or disable the timer.

Example 1. After activating the 7 hour timer by pressing button "1" "2" "4", pressing "1" at the 2nd time will reprogram the timer to $(7-1) = 6$ hours, Pressing button "2" thereafter, the timer will be rescheduled to $(6-2) = 4$ hours. By pressing several other keys in sequence, the timer can be canceled and the heater enters the set power.

Example 2, a 6 hour timer is set by pressing button "2" "4". Press button "2", the timer is set to $6-2 = 4$ hours, press button "4" straight afterwards, the timer is set to 0, By pressing several other keys in sequence, the timer can be canceled and the heater enters the set power

ATTENTION: There is a built-in safety feature that will automatically activate the heater to go into standby mode after eight hours of continuous operation, if the timer is not activated.

4. Cleaning:

- ÿ Disconnect the appliance from the power supply system;
- ÿ After the appliance has cooled down, the housing can be dried;
- ÿ Do not touch the lamp element with your fingers as smudges may accumulate from such contact.
- ÿ The reflector should be cleaned regularly by professionals.
- ÿ Do not use abrasive or caustic cleaning agents!
- ÿ Never immerse the appliance in water! Danger to life!

5. Maintenance

Any maintenance or repairs, including replacement of the bulb element, should only be done by a qualified electrician.

Proper disposal of this product



This mark indicates that this product must not be disposed of with other household waste across the EU. To avoid possible harm to the environment or human health resulting from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where you purchased the product. They can take this environmentally safe recycling product.

Batteries must be disposed of in accordance with current regulations.

Production: FOSHAN CITY SHUNDE DISTRICT WARMTEK ELECTRICAL CO., LTD.

Address: N. 302 NINETEEN BUILDING, PHASE 3, RONGLI TIANFULAI INDUSTRIAL PARK, RONGGUI, SHUNDE, FOSHAN, GUANGDONG, CHINA

Made in China Imported into Italy by MPC srl Via Pulci 15 20126 Milan Italy Tel

+39 02 47758004 e-mail info@mpcshop.it website www.sinedtechnology.com

The SINED brand and the SINED logo are registered by SINED VENTAS ONLINE SLU EUTM 018196373