

Remote Thermostat User Manual



Thank you for choosing remote thermostat, Please take time to read and understand this manual so you can enjoy the convenience and energy saving benefits of this device.

Technical Data of Remote-Controller

- Battery-powered: DC 3V(2x 1.5V AAA batteries, not included)
- Power Consumption: 3V,0.1mA
- Set temperature range: 0°C~45°C, resolution: 1°C
- Room temperature range: 0°C~50°C, display resolution: 0.1°C
- Accuracy of the measured temperature: ±0.5°C
- Working environment range 1°C~ 50°C
- Dimension: L135mm×W56mm×H18mm
- Radio frequency 433.92MHz
- Control distance: ≥50m in open area; 20m in area with obstructions

Technical Data of Plug-in Receiver

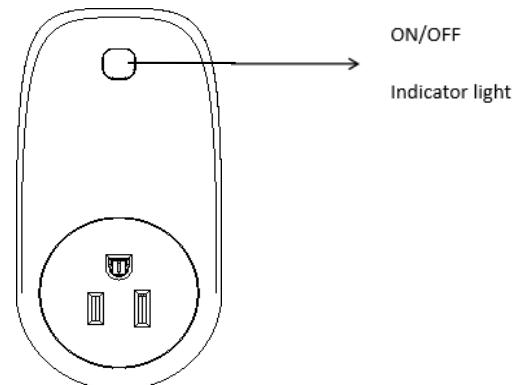
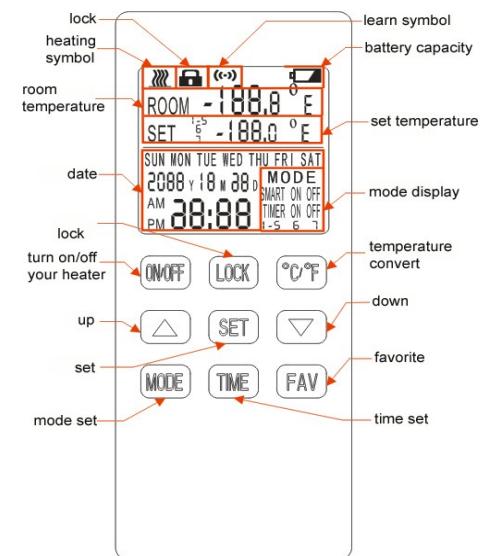
- Power Supply:AC120V,50/60 Hz
- Power Consumption:0.2W
- Dimension: L110mm×W56mm×H78mm
- Weight: 130g (for plug in type receiver)
- Max load: USA plug 1800W/15A

INTRODUCTION

1. Each set consists of two parts:
A remote controller with digital display, which accommodates the electronics, the operating elements and the built-in room temperatures sensor.
Plug-in receiver, which can receive and decode signal from the remote controller.
2. The remote controller acquires the room temperature with its integrated sensor and transmit signal to the receiver to turn on/off heating device as the ambient temperature changing, in order to maintain a constant room temperature. When the ROOM temperature is 0.5°C higher than the SET temperature, remote-controller will send OFF commands to receiver; When the ROOM temperature is 0.5°C lower than the SET temperature, remote-controller will send ON commands to receiver, the connected heating device will be in working status to warm the house.
3. The display shows the setting temperature as well as the measured temperature, time, date, modes etc.
4. The remote controller has week programmable、temperature setting、smart (adaptive start control)、auto-off when temperature jump、favorite temperature 、time setting functions etc.
5. The remote-controller is powered by 2pcs of 1.5V AAA battery , Please change with new batteries if the battery symbol gets flashing, or else the remote will not be able to control the heaters.
6. Keypad locking function is designed to prevent the children from misusing.
7. ON/OFF button of the receiver is designed to enter into pairing mode..
8. LCD screen powered off means only the receiver (heating device) power off, the remote control itself is still under working state until batteries dead/out or broken.
9. The LCD screen only can work in temperature range from

OPERATION AND SETTING

1°C~50°C.



1. Users need to pair the remote and receiver at first time. Long press the receiver ON/OFF 3 seconds until light flashing , then press button °C/F and MODE of the remote at same time to pair the remote and receiver until long beep sound.

NOTE:

- 1) Pairing should be finished within 3 minutes, or else you need to re-press the receiver button again to start.
- 2) Please re-press 1 on/off of the receiver if you want to pair with another remote.
- 3) Please power off those receivers that you don't want to pair together.
2. Press ON/off button of the remote to turn on/off the heater, but this does not mean remote control has also been powered off, it's still working and giving signal to the receiver.

NOTE: ON/OFF switch of the receiver can not be used for turning on/off the heater properly if remote control works well within proper distance, no matter if the LCD screen is powering on or off.

3. Long press LOCK 3 seconds to lock/unlock the buttons.
4. Press °C/°F button to convert the temperature display measurement unit.
5. Press UP and DOWN to set target temperature.
Even during week timer on period, users can also press UP and DOWN to Set a temporary temperature which will convert to week target temperature at the time when next TIMER ON start to work.
6. Long press MODE 3 seconds to set SMART and TIMER ON/OFF mode.

Both SMART and TIMER symbol display "OFF" status at remote control first turning on .

TIMER ON/OFF means the programmed timer and temperature settings of 1-5 (Monday-Friday), 6 (Saturday) and 7 (Sunday) will work or not. The 1-5, 6, 7 week icons will be displayed on the left of the set temperature and under TIMER ON.

SMART ON means the remote control will itself 3 hours earlier calculate the temperature difference between room and set, and decide how earlier before timing to turn on the heating device , so that environment temperature could

reach set temperature on time. The calculating logic is 6 minutes earlier per 1 °C.

SMART MODE has also a kind of simple window open monitoring function which means heater will be turned off/on automatically if room temperature falls down/rises up continuously over 1.5 °C within 3 minutes.

7. SET means setting week timer and temperature, smart adaptive start time and temperature, FAV temperature. *Important: SET finished does not mean it will start to work, unless the model TIMER has been ON!*
8. Long press SET 3 seconds to start timer\smart\FAV setting
- 1) week timer and temperature setting. 1-5 (Monday-Friday) first, set time for turning on and off the heating device, press UP to set the hour and DOWN to set the minutes (15 minutes per press) and press SET to finish for next setting, then set the temperature of this period with UP and DOWN button. Same operations for 6 (Saturday) and 7 (Sunday) setting.
- 2) After above settings, there is timer and temperature set for SMART mode.
NOTE: Smart mode is independent of Timer function.
- 3) Following above finished it come to the FAV (favorite temperature) setting, there is only the "temperature" icon flash to set FAV Temperature after smart start facility temperature set finished.
9. Long press TIME 3 seconds to set year, month, date and time with UP and DOWN buttons.
10. Press FAV, set temperature will convert to favorite temperature, and it will convert again to week target temperature at the time when TIMER ON start to work.
11. The symbol  means heating, it only displays when room temperature is 0.5 °C (or more) lower than set temperature.
12. The backlight will be ON when press any button in the state of power-on.
13. The remote control has simple window open monitoring

function which means heater will be turned off/on automatically if room temperature falls down/rises up continuously over 1.5 °C within 3 minutes under SMART ON mode.

14. Short press ON/OFF of the receiver to turn on/off the heater directly only if there are no batteries inside the remote or remote is broken or not within working distance , or else the remote control will still send on/off commands to the receiver.
15. One remote control can be paired to and work with several receivers at same time.

NOTES

1. All settings need to be re-set after battery replacement or batteries are taken out.
2. Alkaline battery is recommended.
3. **Check if set temperature higher enough than room temperature first if the heater can not be turned on by remote.**
4. If users want the week timer and temperature work, make sure the TIMER function has been switched to ON by long press MODE setting; If users want it not working, switch the TIMER to OFF.
5. Do not cover or touch the temperature sensor which is at the top of the remote.
6. Do put the remote in a open normal room environment rather not inside a drawer/pocket or under pillow/quilt etc.
7. Please do change the batteries with new ones once the screen battery symbol gets flashing, or else it will not be able to control your heaters.
8. Please do take out the batteries from the remote control if long time no use.
9. Please pull out the receiver from the socket if long time without using.

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 Federal Communications Commission (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.

Changes or modifications to this equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.