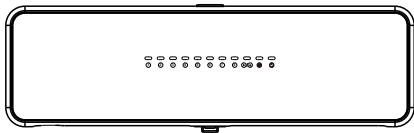


H64 INSTRUCTIONS



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Technical Parameters

Wiring control centre H64-CC

Power source: 100-240VAC 50 / 60Hz (maximum current 10A)

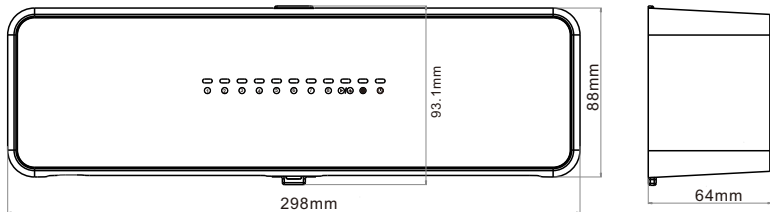
Storage environment temperature and humidity: -10 ~ 60°C, 0 ~ 90% RH (non-condensing)

Working environment temperature and humidity: 0 ~ 50 °C, 0 ~ 80% RH (non-condensing)

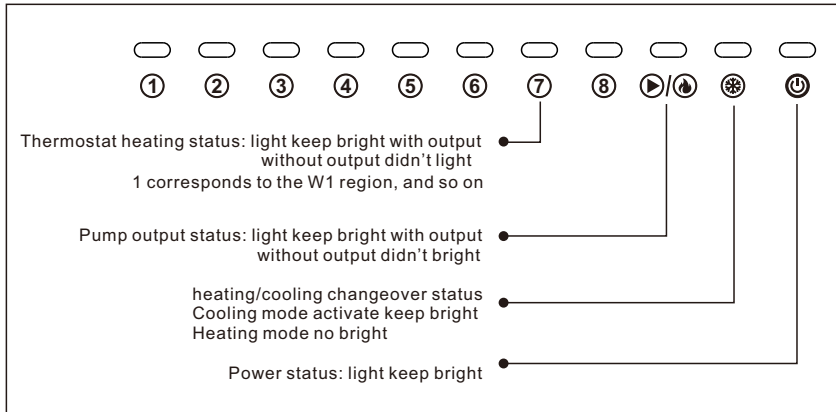
Color: White

Size: 298 X 88 X 64mm

IP rating: IP40

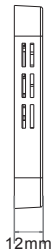
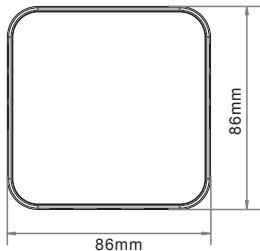


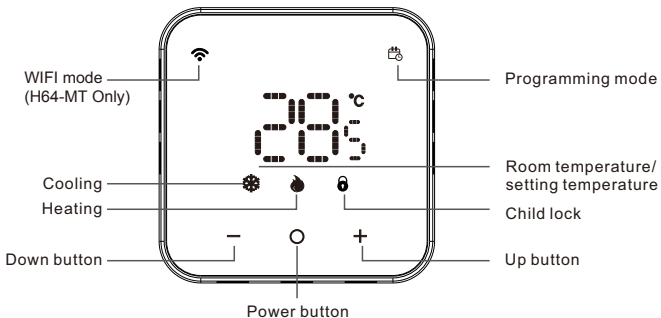
Wiring control centre interface introduction



Master(H64-MT WiFi) / Slave(H64-ST)

- * Power supply and signal input: DC12 ~ 18V carrier non-polarity input
(power supply wiring control centre, maximum current 100mA)
- * Storage environment temperature and humidity: -10 ~ 60°C, 0 ~ 90% RH (non-condensing)
- * Working environment temperature and humidity: 0 ~ 50°C, 0 ~ 80% RH (non-condensing)
- * Temperature display range: 0 ~ 50°C
- * Display accuracy: 0.1°C
- * Color: White
- * Size: 86x86x12mm (length * width * thickness)
- * Protection level: IP21
- * WIFI antenna emission frequency(master controller): 2.4GMHz
- * WIFI wireless transmission distance(master controller): 60M in the open area





+ - Adjust temperature

○ In switch off status, short press to switch on thermostat.
 In switch on status, long press over 5 seconds to switch off; And display OFF.

🔒 In power on mode, long press “+” and “-” button over 5 seconds could enter key lock mode, and show lock icon. Press “+” and “-” unlock in lock status.

Manually switch programming mode: Short press “○” button while switching on, switch programming and non-programming operation mode. Programming icon light on when in programming mode. Without display mean in non-programming operation mode.

Cooling icon: Blue light mean cooling output; White light on mean enter cooling mode. Press “+” and “-” button could set to different setting temperature.
Room temperature \geq Setting temperature + 1°C, cooling output.
Room temperature = Setting temperature, cooling stop output.

Heating icon: Red light mean heating output; White light on mean enter heating mode. Press “+” and “-” button could set to different setting temperature.
Room temperature \leq Setting temperature + 1°C, heating output.
Room temperature = Setting temperature, heating stop output.

WIFI mode: In switch on mode, long press “+” and “○” button over 5 seconds, WIFI icon keep faster flash mean ready for WIFI connect.
Stable WIFI icon: successful WIFI connect
Without wifi icon mean whole thermostat is in manual control status

Feature

Anti-freezing: Thermostat will heating when temperature is below to 5°C, and turn off heating when temperature reach to 8°C. It only activate in heating mode.

Water-proof scale: If thermostat didn't work over a week or longer will let valve clogged as scale. To prevent valve from clogged, thermostat will send open signal to valve run 5 minutes. After finished it will turn to previous mode.

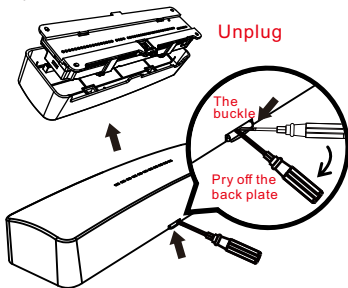
Product installation and testing

Wiring control centre installation

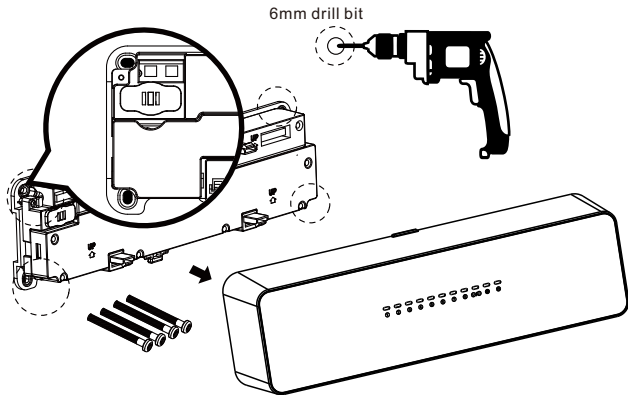
In order to ensure the quality of network communication, the master thermostat must be installed in the living room, in the same area as the router. Please pay attention to distinguish the master and slave thermostat during the installation.

The master thermostat is packaged with the wiring control centre and named H64-MT WiFi

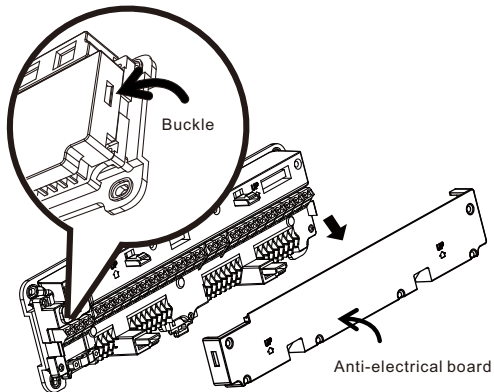
1. There is a slit above the wiring control centre. Use a small flat-blade screwdriver to insert it and pry it out and remove the back plate.



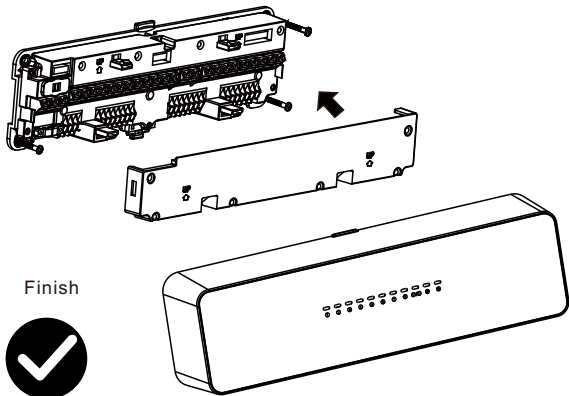
2. Use the back plate to mark the hole position, and then use an impact drill (6mm drill bit) to make the screw holes (if there is a mounting rail, you can ignore it)



3. Press the buckle to remove the anti-electrical board, and then connect the wires referring to wiring port and the marked wiring on the anti-electrical board.



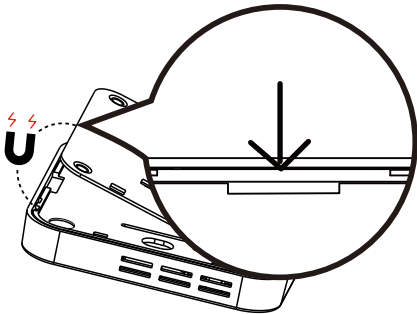
4. After wires connection, fix the back plate with screws (if there is a mounting rail, please snap to it directly) and cover the anti-electricity board and face shell.



Thermostat quick installation

In order to ensure the quality of network communication, the main thermostat must be installed in the living room, in the same area as the router. Please pay attention to distinguish the main and slave thermostats, the main thermostat and wiring control centre are in a package, named H64-MT WiFi

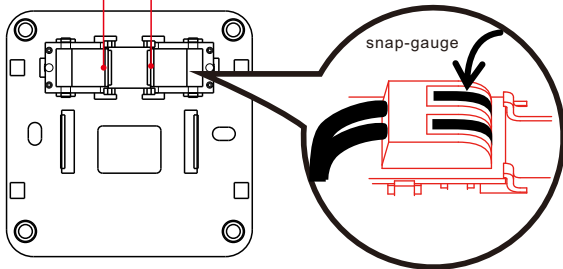
1. Pull back plate to open the thermostat (magnet adsorption)



2.Wiring (It is recommended to use 0.75-1.5mm wire)

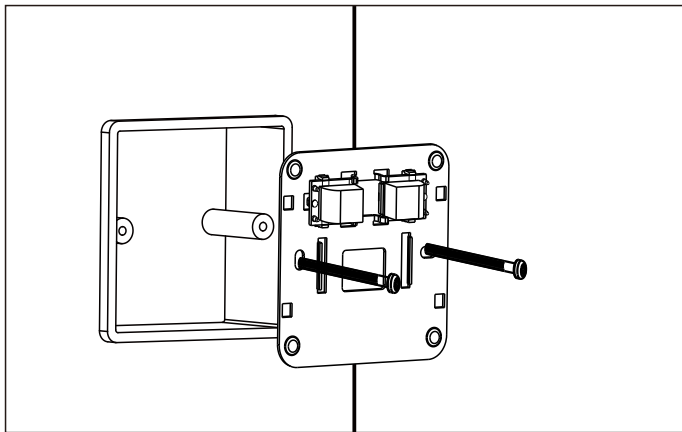
Press the snap-gauge

Connect NTC10K Power:12V wire from wiring center

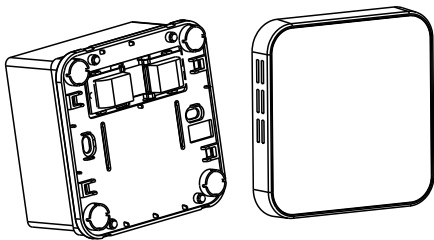


Insert the wires into slots

3. Fix the back plate with screws



4. Cover the face shell



Quick test

After wiring control centre energized, please check if the main thermostat was installed correctly in living room, and then check the slave thermostats in other rooms one by one.

1. The screen is off, indicating no power. Please check if the wiring is correct between the thermostat and the wiring control centre.
2. The screen displays "FX" error, indicating that the master and slave thermostats are mixed, find out the thermostat that displays "FX" in other areas, and reverse it to connect W1 in wiring center. (X represents the numbers 2-8)

If you find that the corresponding area of the central controller line cannot be matched during installation, you can short press + and - button of the thermostat when switch on status to identify the corresponding line by numbers. For example "02" corresponds to "W2", and so on.

Alarm instructions

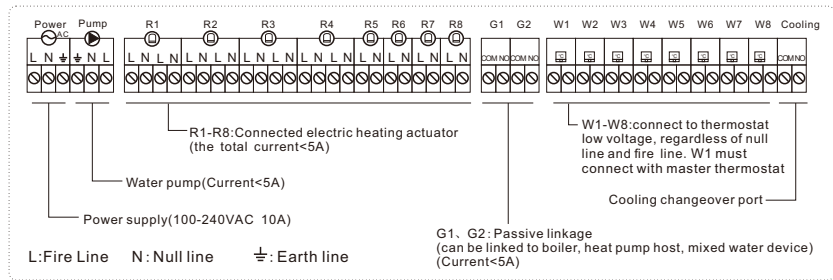
Display	Condition
E1	internal sensor broken
E2	External sensor broken
E3	Wiring center and thermostat can't communication
E4	Floor temperature is higher than limitation

Wiring diagram

Wiring control centre H64-CC

Precautions

- ① W1-W8: Connected to the thermostat, low voltage, regardless of null line and fire line, W1 must be connected to the master thermostat, W1 corresponds to an area.
- ② R1-R8: Connected electric heating actuator, R1 corresponds to W1, R2 corresponds to W2, and so on, R1-R4 can be connected to two electric heating actuators respectively, the total current does not exceed 5A.



Configuration menu setting

Turn thermostat to OFF mode, hold "+" "-" button over 3 seconds enter the first parameter setting and display 01, press "+" "-" select to different parameter. Short press "o" enter specific item setting. Short press "o" again to exit. Long press "o" save all setting and back to OFF mode.

In parameter setting page, long press "+" "-" restore factory setting and "dEf" flash 3 times.

Item	Description	Parameter options	Default
1	Temperature calibration	-6°C ~ +6°C	0°C
2	Maximum temperature setting	25~50°C	35°C
3	Minimum temperature setting	5~20°C	10°C
4	Backlight option	1: Always on (backlight keep bright all the time) 2: light on 10 seconds, After that display and button all dim to 50% brightness 3: light on 10 seconds, after that all display turn off, only "o" dim to 50% brightness. ONLY WORKS ON VERSION U3!	2
5	Waterproof scale	ON/OFF	ON
6	Key lock	ON/OFF	ON
7	NTC function selection	S-r : Room temperature control; r-F : Dual temperature mode; S-F : Floor temperature control	S-r
8	Floor maximum protection temperature	5~70°C	40°C
9	Anti-freezing	ON/OFF	ON
10	Pump delay	0/3 (0 mean without delay for pump and boiler. 3 mean 3 minutes delay for pump and boiler, only for master thermostat.)	3

NTC function selection

S-r: Room temperature

A floor sensor is not present, the unit will be controlled via internal sensor and display as room temperature.

r-F: Dual temperature control







The thermostat will control based on actual room temperature detected by internal sensor and compare the floor temperature limitation set by parameter 8. If floor temperature higher than limitation, it will stop working and alarm E4. If floor sensor is not connected under r-F mode, it will alarm E2.

S-F: Floor temperature control







Thermostat will control via external sensor and display as room temperature.

Default programming

(Cooling mode)

					
Wake up	Outdoor	Back home	Outdoor	Back home	Sleep
6:00 25°C	8:00 28°C	11:00 25°C	14:00 28°C	18:00 25°C	22:00 28°C

(Heating mode)

					
Wake up	Outdoor	Back home	Outdoor	Back home	Sleep
6:00 20°C	8:00 16°C	11:00 20°C	14:00 16°C	18:00 20°C	22:00 16°C

LINK APP

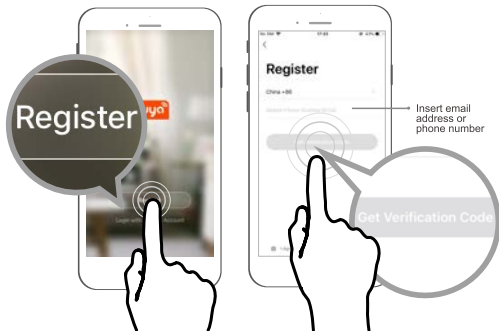
Download and register



1 Click App store(click Android application market)

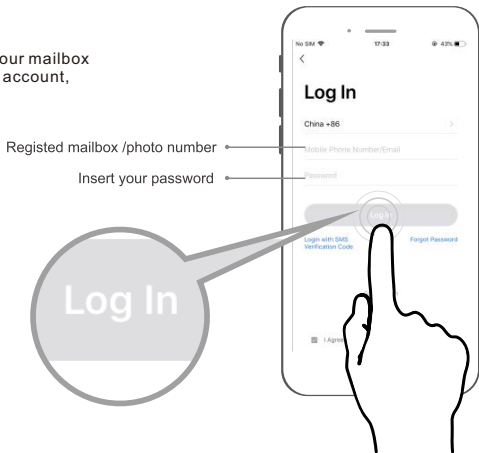


2 Search TuyaSmart and download .



Login

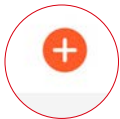
When you finish the register,log in your mailbox and click on the link to activate your account, then can login TuyaSmart APP



Add thermostat

Tips: Please turn on the location of your phone at first.

- 1 Enter the "HOME" interface of the app, Click the "+" in the upper right corner .



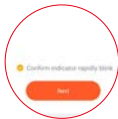
- 2 Click the list bar " Small home APP ", select " Thermostat (Wi-Fi)" in the right device list.



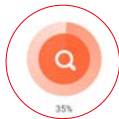
- 3 Enter your wifi account and password
Click " Confirm "



- 4 Make sure the red light is blinking fast.
Click " Next "

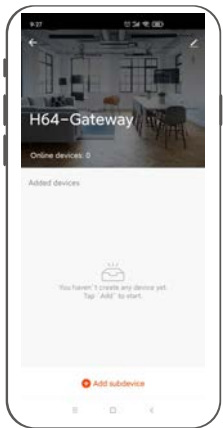


- 5 wait a few seconds until the search progress is 100%

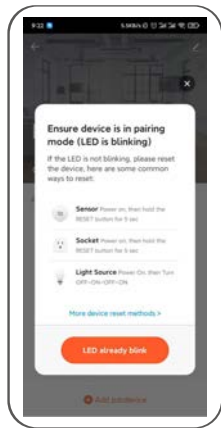


- 6 Click "Done", it means the gateway added successfully.





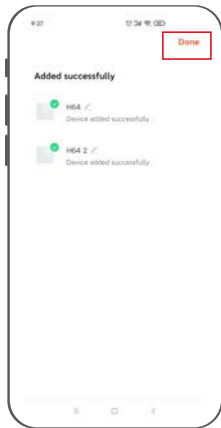
7 Click “+ Add subdevice”



8 Click “LED already blink”

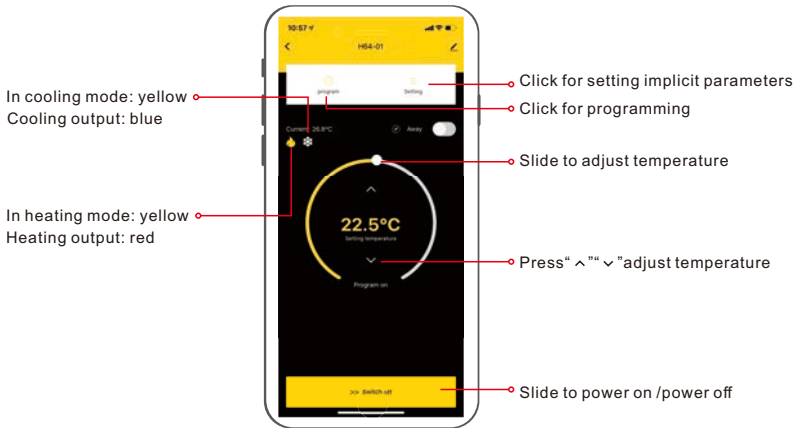


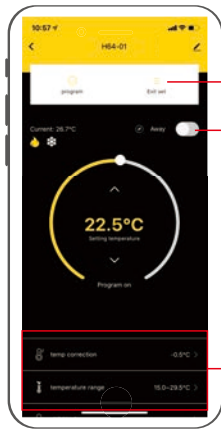
9 Click " DONE "



10 Click "DONE"

APP display





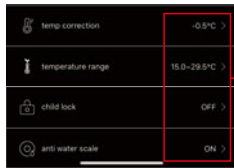
Click to exit setting



Temporary leaving mode:

If you need to stay out temporarily, click the button to activate energy-saving mode and icon "A" turn to green. If heating mode temperature remain at 16°C, cooling mode temperature remain at 28°C. After you arrive home, click the button again to recover the previous temperature setting.

Slide up and down to set the implicit parameters



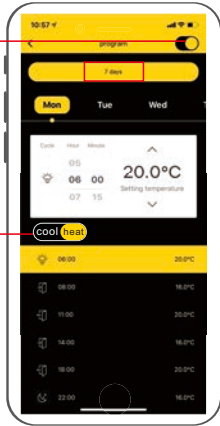
Click to set the parameters

Program-setting



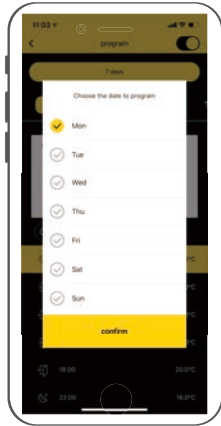
- ① Click "program" for programming

Slide the button "program" to close programming.



Click "cool" to set program for cooling; click "heat" to set program for heating

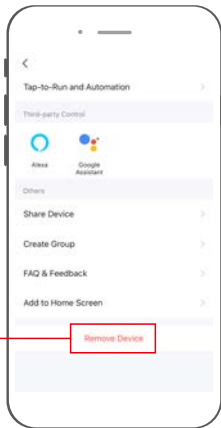
- ② Click "7 days" for choosing the date to program



- ③ Select the date, Click "confirm"



Click to enter parameter setting



Click to remove device

Voice command:

After waking up the speaker, you can say:

Amazon Alexa

- * Alexa, open <device name>.
- * Alexa, close <device name>.
- * Alexa, set the <device name> to 16 degrees.
- * Alexa, what is the temperature of <device name>?

Google Assistant

- * Ok, google, turn on <device name>.
- * Ok, google, turn off <device name>.
- * Ok, google, set the <device name> to 25 degrees.
- * Ok, google, what temperature is the <device name> set to?

Tips:

- * You can name <device name> yourself.
- * The temperature unit of thermostat and speaker must be the same.