

# BIODOM Roko

## RF WIFI Wireless Thermostat User Manual

Scan below QR or download “Smart RM” or “Smart lift” app from Google play and app store.



Choose one WIFI matching method of following 2:

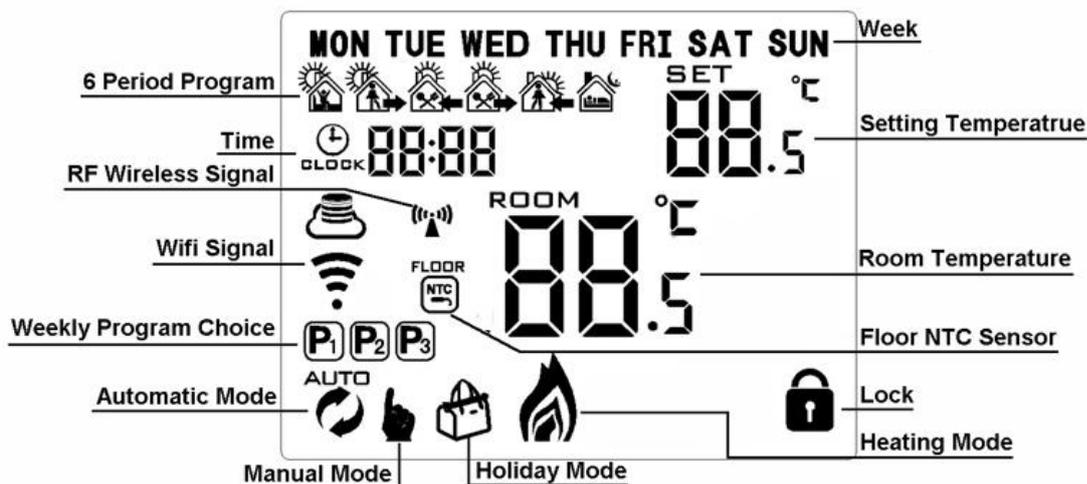
- **WIFI matching on thermostat:** connect to voltage and turn on thermostat, long press for 3-5 seconds, when OFF and are blinking together, short press enter into holiday mode setting, or short press to match WIFI
- **WIFI matching on receiver:** connect to voltage and turn on receiver, long press receiver button“push” to match WIFI, when long bright blue light is EZ matching mode. blue light blinking is AP matching mode. interval blinking is matching. The App advanced password is 123456.

! IP matched before delivery, please confirm thermostat and receiver connected well and is working before matching WIFI. Yellow light on receiver is signal indicator,it is blinking when receive wireless signal,thermostat initiates to WIFI matching. Yellow light blinks continuously within 3 minutes, at this time, the data exchange information between thermostat and APP is 3 seconds interval. After 3 minutes, thermostat enters the power-saving mode, and information exchange interval is 20 minutes. [receiver initiates information exchange by default for 20 minutes]. With USB power supply, the data exchange time of thermostat can be set in advanced options B5 and B6. Ap mode or Ez mode can reactivate the WIFI matching mode selection

### Technical Data

- ☆ Power:
  - Receiver: 230Vac 50/60HZ
  - Thermostat: USB power supply/4\*AAA Batteries
  - ! Pls remove batteries when USB power is working.**
- ☆ Display accuracy: 0.5°C
- ☆ Insulating condition: Normal environment
- ☆ Probe sensor: NTC(10k) 1%
- ☆ Running program: Set per 1 week as a cycle
- ☆ Contact capacity: 5A/250V(WW);16A/250V(WE)
- ☆ Output: Switch relay
- ☆ Working environment temperature: 0~70°C
- ☆ Installation: Wall mounted or on battery seat
- ☆ Range of temperature adjustment: 5~35°C
- ☆ Size (mm): 130\*90\*25

### Home Screen



## Quick Operation

	Turn ON/OFF
	1 Short press  to switch automatic mode and manual mode 2 Power on state, long press  for 3-5 seconds to do programmable setting 3 Power off state, long press  for 3-5 seconds to do advanced setting
	1 Confirm key 2 Short press it to set time 3 Holiday mode setting.
	1 Decrease key 2 Long press to lock /unlock
	1 Increase key 2 Auto mode state, press  ,  to enter into temporary manual mode

## Time Setting

Power on state, press  to set minute. Second press  to set hour. Third press  to set week. Press ,  to change value. Press  again to confirm.

## Holiday Mode Setting

Power on state, long press  for 3-5 seconds to do holiday mode setting. Press  or  to change "OFF" to "ON". Then press  to switch days and temperature, press ,  to change value. Press  again to confirm. If you want to close holiday mode, press .

## Programmable Mode Setting

**6 times period setting: 5+2 days(factory default),6+1 days, 7 days**

Long press  3-5 seconds to do Programmable Mode Setting . Short press  to switch and confirm. Press  and  to adjust value.

Power on state, long press  3-5 seconds to enter into first time period then set hour. Press  and  to adjust hour, short press  to confirm then set minutes, press  and  to adjust minutes, press  to confirm then enter into temperature setting, press  and  to adjust value. Please follow the steps of first time period to set second time period, thirdly time period.

After finish setting, stand for about 10 seconds, it will save setting then exit.

					
Wake up	Out door	Back home	Out door	Back home	Sleep
6:00	20°C	8:00	15°C	11:30	15°C
				13:30	15°C
				17:00	15°C
				22:00	15°C

NO	Setting Options	Data Setting Function	Factory Default
A1	Temp Calibration	-9-+9 °C	0.5°C
A2	Temp Tolerance of Built in Sensor	0.5-2.5 °C	1°C
A3	Temp Tolerance of External Sensor	1-9 °C	2°C
A4	Children Lock	0: half lock 1: full lock	0
A5	Max temp of External Sensor	1. 35°C-70°C 2. When setting temp is lower than 35°C, screen displays 【--】 , cancel highest temp protection	--
A6	Min temp of External sensor (anti-freeze protection)	1. 1-10°C 2. When setting temp is higher than 10°C, screen display 【--】 , cancel anti freeze protection	5°C
A7	Max Temp Setting	1-10°C	5°C
A8	Min Temp Setting	20-70°C	35°C
A9	Descaling function	0: Close descaling function 1: Open descaling function (Function works for 3 minutes every no-operating 100 hours)	0
AA	Power off Memory	0: Stay last state 1: Electricity turn off 2: Electricity turn on	0
AB	Weekly Programmable Function	P1: 5+2 days P2: 6+1 days P3: 7 days	P1
AC	Factory defaults	Display A o, long press ⏸ until show the whole screen	

## Advanced Setting

Power off state, long press ⏸ for 3-5 seconds to do advanced setting. Short press ⏸ to switch and confirm. Press ▲ and ▼ to adjust options.

After finish setting , stand for about 5 seconds ,it will save setting then exit.

## Setting IP code

Power off state, long press ⏸ for 3-5 seconds to do advanced setting. Short press ⏸ to switch and confirm. Press ▲ and ▼ to adjust options.

After finish setting , standing for 5 seconds ,it will save setting then exit .

**! Considering battery usage, RF data updates every 20 minutes. If you wanna shorten interval, pls use USB power and remove batteries. Follow B05, B06 operation.**

NO	Setting Options	Data Setting Function	Factory Default
B1	IP code low setting	00-FF	00
B2	IP code high setting	01-FF	01
B3	IP matching code	Display"55" means IP match successfully. (When receiver is power-on, press thermostat ▲ successively)	00
B4	Sensor state	N1: single built-in sensor N3: both built-in sensor and external sensor. (when receiver with external sensor, this option is automatically recognized and cannot be changed)	N1
B05	Minute interval of RF transmission	1: 1-30 minutes 2: 0 B06	20 minutes
B06	Second interval of RF transmission	3-30 seconds	30 seconds

## Receiver Indicator Light

Power-on light: green light.

Load light/fault light: red light

A、 When no fault: normally on when load output, light off when no load output

B、 When fault: blinking

1. IP fault (IP:FFFF) : Light blinks 2 times every 2s

2. No wifi signal within 1h: Light blinks 3 times every 2s

3. External sensor fault: Light blinks 4 times every 2s

Sensor fault : Display "E1" or "E2" . Thermostat stop heating until the fault is eliminated.

RF matching light: orange light

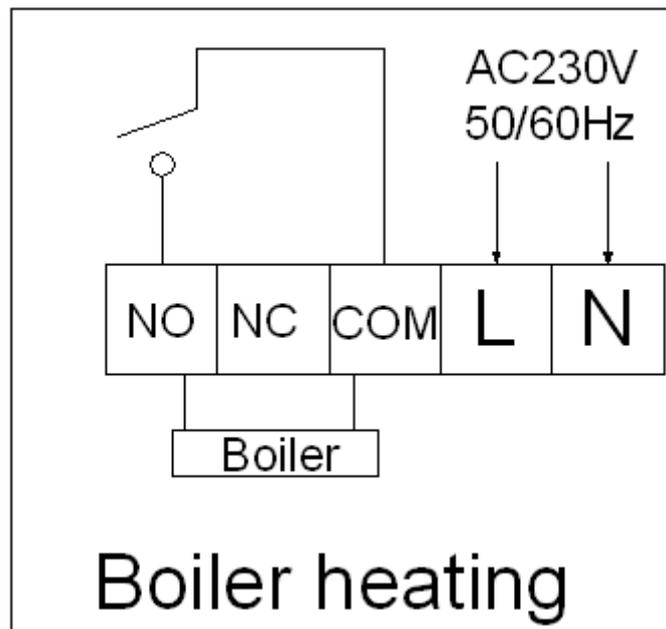
(B3 IP matching code) When receiver is power-on, orange light is normally on within 10s. And light off when finish matching. When receiver is power-off, orange light is blinking within 10s.

Wifi matching light: blue light

When power on state, long press receiver button"push" to match wifi. Normally on is EZ mode. Blinking is AP mode.

Successive blinking is matching.

## Wiring Diagram



### **⚠ RISK OF ELECTRICAL SHOCK**

**Please arrange professional technician to install the product according to drawings and instructions.**

**Disconnect power supply before making any connection. Contact with components carrying hazardous voltage can cause electrical shock.**

# WIFI APP Download And Sign Up And Pair Thermostat



## Preparation required for Wifi Connection

A 4G mobile phone and wireless router, reconnect the wireless router on the mobile phone WLAN interface, and record the WIFI password [need to be used when the thermostat is paired with the Wifi].

Note: **Wifi from router must be 2.4G, 4G wifi from the other mobile phone hotspot is also ok, 5G router wifi is not ok.**

## Step 1 Download your APP



Scan following QR cod and download APP through browser(Android also can search “Smart RM” or “Smart Life” at Google Play, iPhone also can search “Smart RM” at App Store.

## Step 2 Register your account

1. After install APP,click “register” (Fig 2-1).
- 2.Please read the Privacy Policy and press Agree to proceed to the next step. (Fig 2-2).
3. Registration account name uses your available Email Or mobile phone number, and please select Region, then click “Continue”(Fig 2-3).
4. You will receive a 6-digit verification code from your email or SMS and enter your phone (Fig 2-4).
5. Please set the account password, Password must contain 6-20 letters and numbers. click “Done”(Fig 2-5).



Fig 2-1

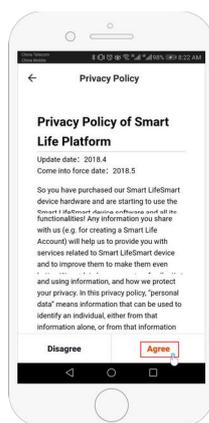


Fig 2-2

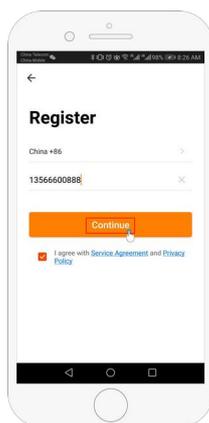


Fig 2-3

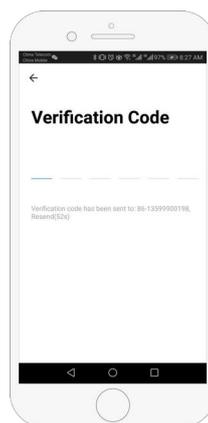


Fig 2-4



Fig 2-5

## Step 3 Create Home information

1. Click “Add Home” (Fig 3-1).
2. Fill in the Home name(Fig 3-2).
3. Select or add a room(Fig 3-2).
4. Set location (Fig 3-4).

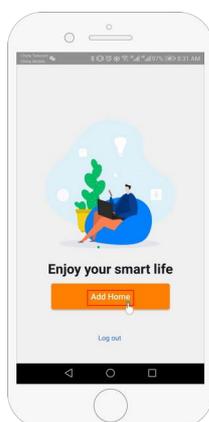


Fig 3-1

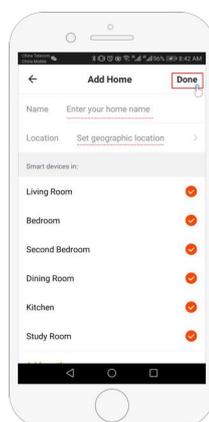


Fig 3-2

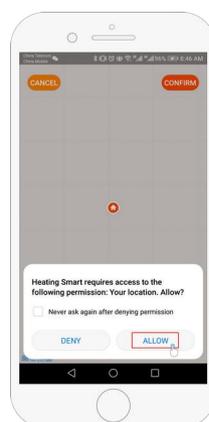


Fig 3-3

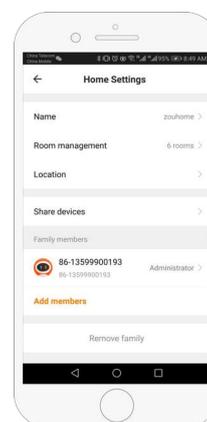


Fig 3-4

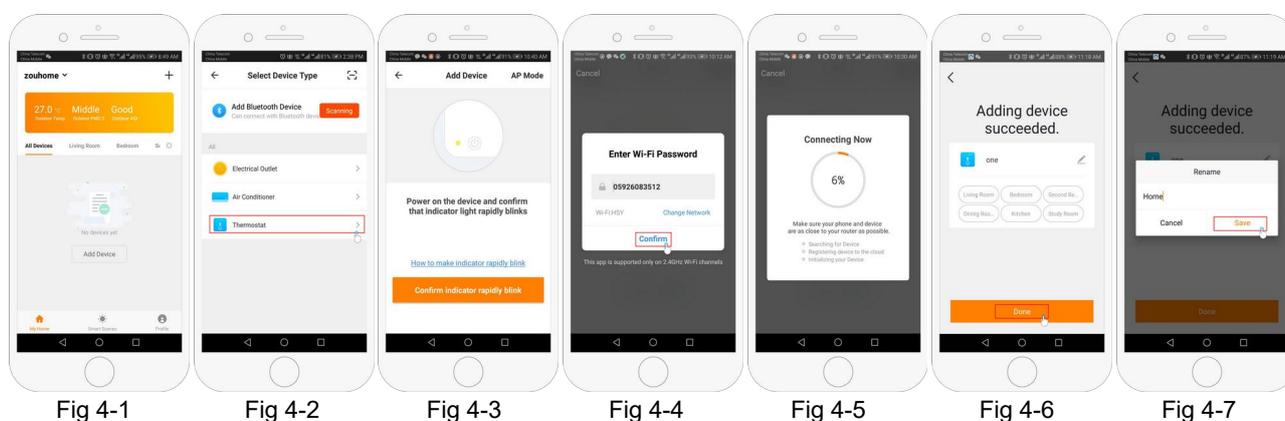
## Step 4 Connect your Wi-Fi signal

Choose one WIFI matching method of following 2:

- WIFI matching on thermostat:connect to voltage and turn on thermostat and receiver,long press  for 3-5 seconds,when OFF and  are blinking together, short press  to match WIFI,long press  to make  blink,next refer to following \*
- WIFI matching on receiver:connect to voltage and turn on receiver and thermostat,long press receiver button“push” to match WIFI:when long bright blue light is EZ matching mode,next refer to following \*

\* Press "Add Device" or "+" in the upper right corner to add the device (Fig 4-1) and select the device type "Thermostat" (Fig 4-2).

On your APP, click Confirm  icon rapidly blink,then select your network and back to your app to enter the password of your wireless router (Fig 4-3) and confirm. The app will connect automatically (Fig 4-4). This may typically take up to 5~90 seconds to complete. This is Ez mode which provides fast network connection between your app and your device. Your room name could be edited when the device is connected and you can choose the corresponding room location. For example, bedroom, kitchen, living room, etc.



## Step 5

If your router doesn't support it or your wifi signal is weak or you can not connect by EZ mode, press the AP Mode on the upper right corner in (Fig 5-1). If you have connected your thermostat successfully, please ignore the app setting as blow on your app.

Choose one WIFI matching method of following 2:

- WIFI matching on thermostat:connect to voltage and turn on thermostat and receiver,long press  for 3-5 seconds,when OFF and  are blinking together, short press  to match WIFI,long press  to make only  blink, next refer to following \*
- WIFI matching on receiver:connect to voltage and turn on receiver and thermostat,short press receiver button“push” to match WIFI:when blue light blink is AP matching mode,next refer to following \*

\* Click Confirm  icon rapidly blink then select your network and back to your app to enter the password of your wireless router (Fig 4-4) and confirm.The app will go into the page in (Fig 5-2). Press Connect now to select the wifi signal Smartlife-XXXX of your thermostat (Fig 5-3). Go back to your app and click Connect now then the app will connect automatically (Fig 4-5).

This may typically take up to 5~90 seconds to complete.

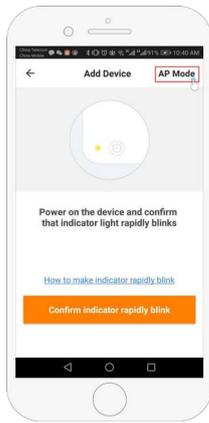


Fig 5-1

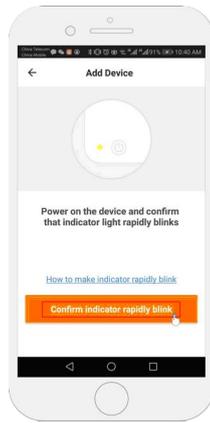


Fig 5-2



Fig 5-3

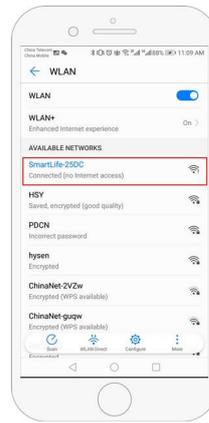


Fig 5-4

## Step 6 APP Device interface operation and How to create a group

1. Power on/off button
2. Mode key: Manual mode, Auto mode, Holiday mode.
3. Child lock: After the child lock turned on, the APP cannot be operated.
4. Set key: After clicking on, you can select the programmed mode (5+2, 6+1, 7 days) and set the temperature and time for the six periods of the weekday and weekend.
5. Basic information page (Fig 6-1, Fig 6-2)

Device name: The device name can be modified according to your demand.

Device location:

Share device: Share the device to the mobile phone or email account of the registered family member

Create Group: Add all the devices which need to operate at the same time to the created group for convenient operation.

Device information; Contains virtual ID; IP address; Mac address; Device time zone

Remove device: After deleting the device, you need to reconnect the network if you want to use it.

Third-party controls supported: amazon alexa/google assistant/IFTTT, click to enter, you will see the steps.



Fig 6-1

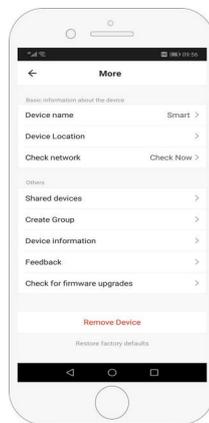


Fig 6-2

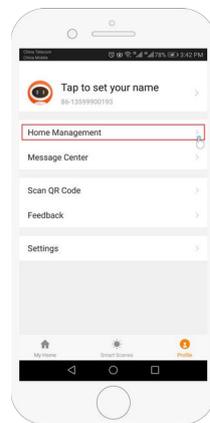


Fig 6-3

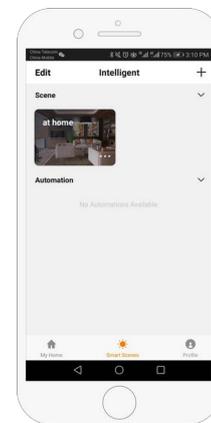


Fig 6-4

## Step 7 Home management (Fig6-3)

Add family: Home naming; Home location setting; select room name, you can also add room name, upon completion, it will enter the Home Setting interface.

## Step 8

What is your Smart Scene and How to use it? (Fig6-4)

set your home to automatically turn on thermostat on when you back home (fig ). Press + button into the setting

Step 1: You can set a condition for task like Temperature below 21 degree, then click save, condition: temp., Humidity, weather, PM2.5, Air Quality, Sunrise/Sunset, Device)

Step 2: Add a task. Press + to Select Device (Power, Set Temp, Lock Mode) to act, then Save. If you want to delete the scene, you can press Delete in the end.

NOTE: The room sound could be turned on/off in PROFILE-SETTING-SOUND. The sound is matched with the default of your system.