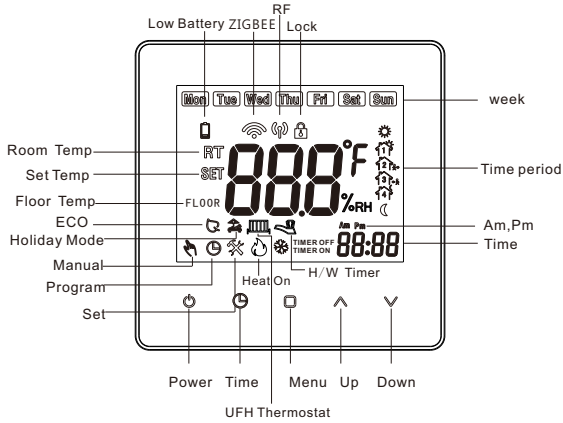# TP608RF-TR-ZB  Zigbee Thermostat manual



## Application

This thermostat is used with wireless wiring center box TPX08RF.It could use with Radiator and underfloor Heating system.With battery operated.Between wiring center box and thermostat is 868Mhz RF to communicate Thermostat is Zigbee version.It could control by APP. Both IOS and Andriod is available.You have to use Tuya Zigbee wireless gateway in your home.

## LCD DISPLAY REFERENCE



## Features

◆Simple installation
◆Acrylic face plate
◆Large, backlight display
◆Elegant chrome frame
◆Feather touch control panel
◆Four periods per day programming
◆Simple, one-touch temperature control over-ride .
◆Pre-set temperatures maintained within +/- 1°C
◆Internal and external sensors allow control of both air and/or floor temperatures
◆Suitable for installation in a standard single pattress box or European 60mm round box
◆ZIGBEE communication

## Technical Data

◆Sensor：NTC 3977 10K
◆Accuracy：±1℃
◆Power Consumption：< 1.5W
◆Timing Error：<1%
◆Power Supply：2AA batteries
◆Shell material：PC+ABS (flame retardant)
◆Dimension：86x86x26mm
◆Ambient Temp.：0-45℃，5-95％RH
　（ Non-condensing ）
◆Storage Temp.：-5-55℃
◆Installation Hole distance: 60mm

## Operation

1.⏻You could press this button to power on/off  your thermostat
2.🕐Time setting:Press button to set min/hour/week
3.▢ Manual/program setting:
　Manual mode:Press ▢ button to select manual .When you Choose manual mode.The symbol 🖐 will show the left corner of LCD,Press ∧∨ to set the desired temperature.
　Program Mode:press ▢ button to select program mode.When you choose this mode.The symbol 🕐 will show on LCD,press∧∨button above 5seconds to set the desired four periods time and temp per day
4. Temperary mode:During program mode.If you need change temp.The button 🖐 🕐 will show on LCD.The pre-program setting will return in next period
5.🔒 Child lock set:Press an hold the button ∧∨above 7seconds to lock/unlock your thermostat
6. Programm go back factory setting:Press button ▢ above 7seconds to enter program mode. Press∧∨ and hold the button above 5seconds when  the "def" flash in the LCD.It means go back factory

## Weekly Program Setting

When power is on,press ▢ for 7 seconds to enter programm mode.Press ▢ to change the different items.Press ∧ ∨ to set the relative values.
The order is Week-time-Temp(Monday-Friday,Saturday, Sunday=5+1+1)Each day has 4periods setting.

### Thermostat program Factory setting

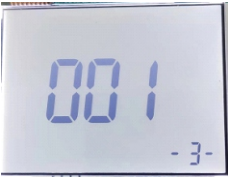| Time period | Period 1 | | Period 2 | | Period 3 | | Period 4 | |
|---|---|---|---|---|---|---|---|---|
| Set Temp Week | Time | Set Temp | Time | Set Temp | Time | Set Temp | Time | Set Temp |
| Mon | 6:00 | 22℃ | 8:00 | 16℃ | 18:00 | 22℃ | 22:00 | 16℃ |
| Tue | 6:00 | 22℃ | 8:00 | 16℃ | 18:00 | 22℃ | 22:00 | 16℃ |
| Wed | 6:00 | 22℃ | 8:00 | 16℃ | 18:00 | 22℃ | 22:00 | 16℃ |
| Thur | 6:00 | 22℃ | 8:00 | 16℃ | 18:00 | 22℃ | 22:00 | 16℃ |
| Fri | 6:00 | 22℃ | 8:00 | 16℃ | 18:00 | 22℃ | 22:00 | 16℃ |
| Sat | 6:00 | 22℃ | 8:00 | 16℃ | 18:00 | 22℃ | 22:00 | 16℃ |
| Sun | 6:00 | 22℃ | 8:00 | 16℃ | 18:00 | 22℃ | 22:00 | 16℃ |

## How to paring with wireless center box?

　Pairing code with wireless center box: Long press⏻ button and 🕐 button over 7seconds at the same time when thermostat power off. Wireless center box or receiver should also during paring code standby first. When paring sucessful.The LCD will  display community channel.See Fig 5-5，
When LCD display"---".It means thermostat enter standby(Wireless center box or receiver should also be stanby).If Paring code success.The LCD will display number(1-9)on it.
### NOTE:
📶Flash means RF not match code.
📶Disappear means no RF signal.
📶 Always on screen means RF working normal.

　If your thermostat signal is not stable.You could change wireless commodification channel.Thermostat enter paring code standby status(NO need wireless center box or reciver standby).Long press▢ button over 7seconds to change the channel.Press            button to change:0-3,.
Only Channel 1 thermostat could change.If channel 1 thermostat change successful.The others will change automatically.

### Check paring number and wireless channel No.
Long press power button and time button over 7seconds to check the paring code and wireless channel



001  : paring code
-3-  : wireless channel number,factory setting:0;

## Configuration Menu

Long press button ▢ above 7sec to enter this menu when power off .During this menu,short press ▢ to change parameters. Press 🕐 to comfirm the setting Press ∧ ∨ to change relative parameters

| No. | Function | Setting Range | Default |
|---|---|---|---|
| 1 | System Select | rA: Radiators    UF：Under Floor Heating | UF |
| 2 | Temperature compensation | -9-9℃ | 0 |
| 3 | Dead Zone | 1-5℃ | 1 |
| 4 | Button lock | 0：All lock except power button,1:All lock | 0 |
| 5 | Maxmum Temp range | 20℃-45℃ | 35 |
| 6 | Minimun Temp range | 5℃-20℃ | 5 |
| 7 | Display mode | 0:Both room temp and setting temp,1:Setting temp only | 0 |
| 8 | Anti Freez switch | 0：OFF 1：ON | 1 |
| 9 | ECO Mode | 0：OFF 1：ON | 0 |
| 10 | ECO Temperature | 5℃-35℃ | 16 |

Radiators: When you use Radiators system.There is no pump Under Floor Heating ：  When you select UFH system.There will be pump output
（ Wiring center box will has 3mins delay ）

### Low battery alarm
Low Battery symbol 🔋 will display on LCD when power <= 10%. It's remind you to replace batteries,  🔋 flash when battery power use almost 99%,RF will stop working.You have to replace new batteries immediately

## Anti Freez Function
When thermostat detect room temperature low or equal to 5℃,Thermostat will turn on heat.When thermostat detect room temperature 8degree.Heating will off.
### Holiday mode
Long press 🕐 7seconds to enter holiday mode.Then short press∧ ∨ button to set the day and temperature press to set the parameters you need.Press 🕐 button to exit this mode.Duing holiday mode.H/W timer close. When your thermostat need cancel holiday mode.Short press ▢ button to exit.
### ERR CODE:When thermostat sensor broker or got problem.The LCD will display "ERR"
### Paring code with Zigbee gateway
Long press  button over 7seconds when thermostat power on.When thermostat display"---".Thermostat enter paring code After connection well.It will auto retun back.

## ZIGBEE connection&APP

To help with pairing your device for the first time, we recommend having your phone close to the router or modem search "Smart Life" or "Tuya" Smart in your, or scan the QR code below



1-1       1-2

**Open "Smart Life" app. Follow registration instruction**

Through the app, you can control the devices with voice control by integrating amazon echo or google assistant. The app arrives with an easy to use interface with elegant features. As a result, using the app is extremely straightforward. One of the notable things about the app is you can control the appliances of your home from another part of the world.

The app also allows you to add and control a variety of devices at once. You can also let the device to automatically start or stop based on the location, time, and temperature. It also allows you to share the control of the devices among the family members. It also includes a real-time safety feature that will enable you to ensure the protection in case if anything went wrong.

How to use the Smart Life App Smart Life will only work with the devices developed by the app manufacturer. Start with installing the app on your device. Then open the application and register for an account. Then the app will automatically detect your country code. In case it does not detect, you will require entering the code manually. Then you will need to enter your phone number or email address. There will be a verification code sent that you will require entering for confirming the registration.

Then click on the plus icon in the top right of the app to add a device. The app should automatically pair with the devices. In case you see a message that says failed to add, then it means the connection is not paired. You will require pairing with the app manually. After successfully pairing with the application, you can set the name of the device. Now you will be able to control the devices from your app interface.

**CONNECT TO ZIGBEE – EASY PAIR**
Connect to Zigbee Gatway

First, keep your ZigBee gateway powered on. Long press the Powe/Reset button to confirm that the red light flashes quickly and the blue light stays on.Open the app and press "+" button to add equipment.Then Choosing Gateway control to select Wireless gateway or Gateway.Press quick flash.Then insert your wifi name and code for connection.If your mobile phone bluetooth already open. The app will automatically find your equipment(Recommend). This will be easy for connection.

**Connect your thermostat**

Long press ⏻ button over 7seconds when thermostat on. Thermostat will display"---".Press and plus"+" in the up right corner of the APP.Then APP will discover nearby devices .The interface "add"thermostat will come up as bellow picture(Fig1-1).Then press"+"(Fig1-2).Insert your home wifi name and code (Fig 1-3)Then press done.You could change your thermostat name at the same time.After this you could control your thermostat on app
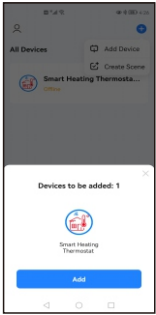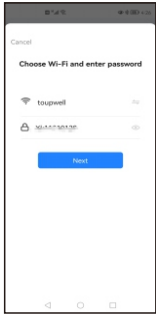


Fig 1-1      Fig 1-2      Fig 1-3
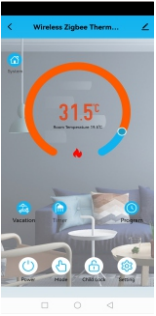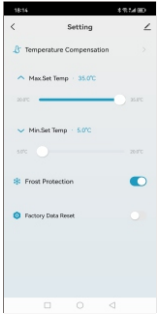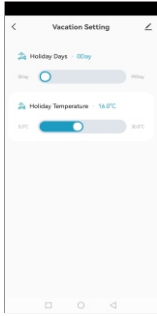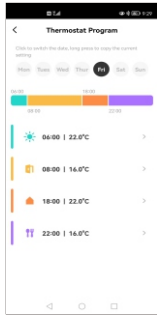
## Settings on APP



Fig2-1    Fig2-2    Fig2-3    Fig 2-4

After thermostat connect sucessfully.You could setting any parameters you need on APP.See Fig2-1And if your RF between thermostat and wiring box do not pair code. The screen will display"Please match code"After you paring code well.The words will disappear.
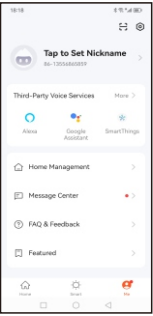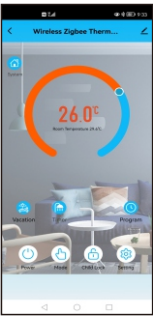
⏻ :Power on/off

🕐 :Mode selection :You could select manual/ECO/Program mode

🔒 :Child lock:Child lock to lock/unlock the thermostat

⚙ :Settings:You could setting temp compensation,Anti freez.Go back factory settings etc (Fig2-2)

⛱ :Holiday Button:You could select the day and temp when you go for vocation (Fig2-3)

◎ :Program function:You could setting thermostat program here each day 4time periods(Fig2-4)

## System Function

As this thermostat is a combination function thermostat. There are system function you could select.Each function The main page will be different.Kindly check bellow picture

**CONNECT WITH AMAZON ALEXA AND GOOGLE ASSISTANCE**

In settings, select in the top right corner or ∠ On the app home page ⊗ to access third party control settings. Select your desired Smart 3rd party device and follow the on-screen instructions.



## Thermostats Trouble Shooting

| NO. | Phenomenon | Handling method |
|---|---|---|
| 1. | Room temp is litte different from the actual temp | You could use thermostat temperature conpensation to change the temp to be the same |
| 2. | When the thermostats show ERR | This means you need to connect your external sensor |
| 3. | Power on but not display | Please check weather you connect correct wires or your thermostat is connect well. |