

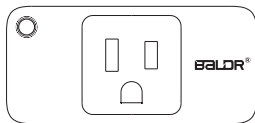
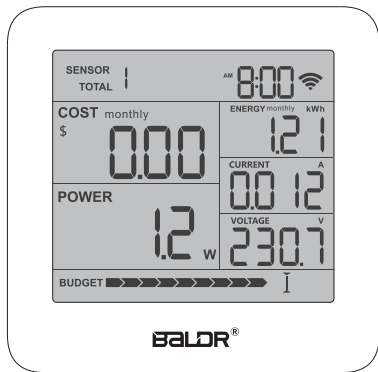


SMART SOLUTION

Smart Home Smart Life

USER MANUAL

Wi-Fi POWER MONITOR HUB WITH SOCKET



Model No. HPS551WRF+HCS027ARF

Welcome to the BALDR family!

Before using, please read the manual and save it for future reference.

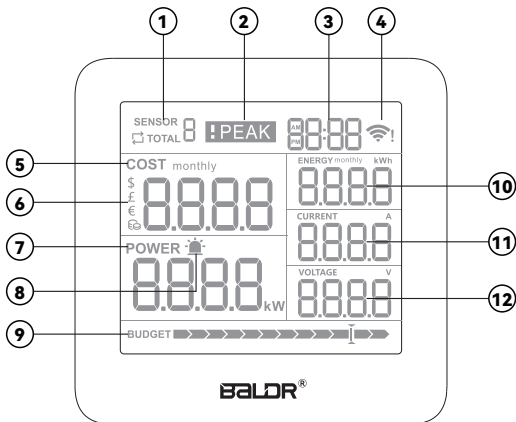
✉ **Email:** service@baldr.com

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1. INTRODUCTION

1.1 Wi-Fi Power Monitor Hub Overview



1) Sensor No.

From Sensor 1–Sensor 9, Cycle Mode.

2) Peak Tariff Indication

3) Current Time

4) Wi-Fi Connection Symbol

5) Monthly Cost

6) Currency Symbol

Selected From Dollar, Pound, Euro, Common Currency.

7) Real-time Power

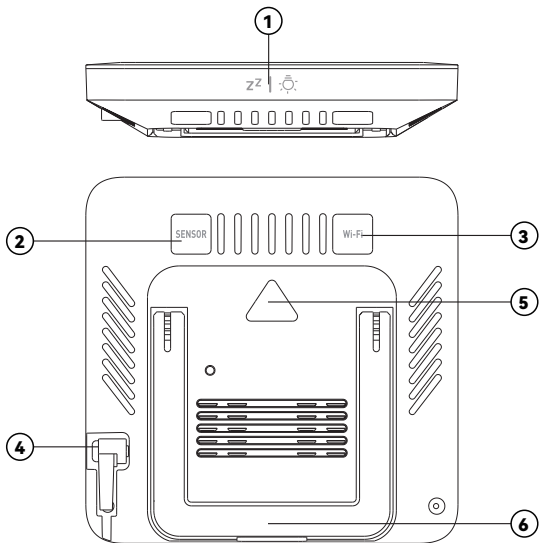
8) Power Alert

9) Electricity Budget Reminder

10) Monthly Energy

11) Real-time Current

12) Real-time Voltage



1) Top Touch Button

Adjust brightness level of backlight or turn off the alert.

2) Sensor Button

Switch from Sensor 1-Sensor 9, Sensor Total.

3) Wi-Fi Button

Long press to enter automatic Wi-Fi pairing mode.

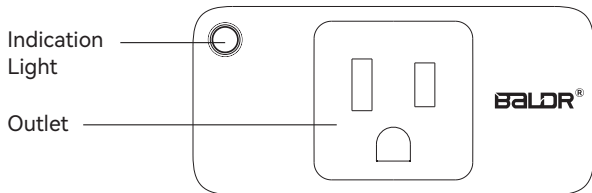
Short press to switch automatic Wi-Fi pairing mode or AP pairing mode.

4) AC Port

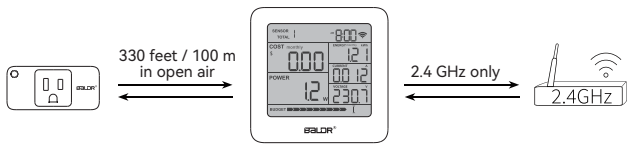
5) Hanging Hole

6) Bracket Stand

1.2 Socket Overview



1.3 Wireless Specification



- **Transmission distance of RF signal (in open air):** up to 330 feet
- **Update Rate:** 2 minutes
- **RF Frequency:** 433.92 MHz.
- **Wi-Fi Band:** 2.4GHz or dual band Wi-Fi
- * **Obstacles such as walls, trees, and hills can cause significant signal loss.**
- * **Water in the air (humidity) will affect the RF reception.**

1.4 Product Parameters

HPS551WRF

- **DC Input Voltage:** DC5V adapter
- **Wi-Fi Band:** 2.4GHz or 2.4GHz+5GHz
- **Working Temperature:** -10°C ~ 50°C
- **Storage Temperature:** -20°C ~70°C

HCS027ARF

- **Input and Output Power Supply:** AC100-240V, 50Hz/60Hz
- **Power Indicator:** Blue LED
- **Communication Distance:** 100m (in open area)
- **Working Temperature:** -10°C ~ 50°C
- **Storage Temperature:** -20°C ~70°C

1.5 Main Features

- 1) Current time display, 12H/24H switchable
- 2) APP controlled
- 3) Cost, Power, Energy, Current, Voltage Display
- 4) Budget preset and alert
- 5) Power alert
- 6) Peak tariff alert
- 7) Up to 9 socket sensors show on the screen
- 8) Historical statistics checking
- 9) Currency selectable
- 10) Up to 4 tariff setting

2. INSTALLATION

2.1 Install App on Your Phone

a. Search and download  HOMGAR on:



or scan the QR code to download:



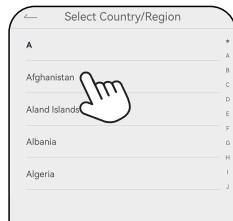
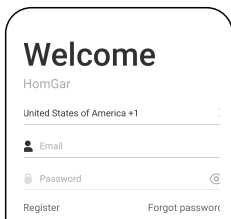
IOS



Android

b. Create an account and log in:

Follow the prompts to register a HomGar account with your email.



Tap the initial word of your country/ region to find it quickly.

Register
Join us

Enter Verification Code

Please check your email to receive verification code.

Tips: Please find the spam mailbox if haven't received the verification code.

Next

Resend

[If you can't receive the verification code, please click here to change the verification method](#)

Register
Join us

* * * * *

Please send the verification code prompted to account@homgarus.com with the email address you want to register, and then click the Next button to verify after sending successfully.

Next

If you do not receive the code, please follow these steps:

- 1) Please double-check the registered email address.
- 2) Please check your spam folder.
- 3) Please check if the country or region is correct.

If you still can't receive the verification code:

Please tap "If you can't receive the verification code , please click here to change the verification method".

Send the verification code prompted to **register2@homgarus.com**.

If the mail is completely blocked , please call us or mail to **service@baldr.com**. Tell us the mail account you want to register. We will manually create an account for you.

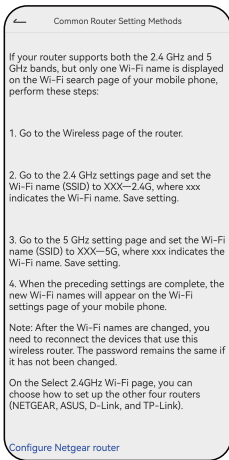
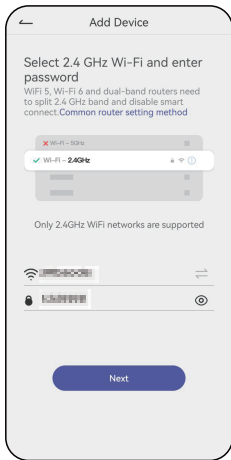
2.2 Connect the Wi-Fi Power Monitor Hub

a. Add device on the HomGar Home page:



Tap "+" on the HomGar Home page.
Select the **Display Hub** to add.


b. Select 2.4 GHz Wi-Fi and enter the password:

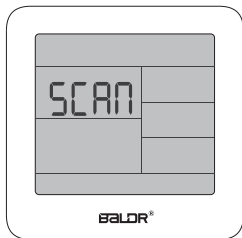
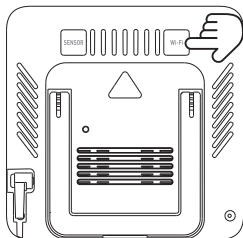


This Wi-Fi Power Monitor Hub only works with 2.4 GHz Wi-Fi. If your router is Wi-Fi 5, Wi-Fi 6, or dual-band router, you need to split the 2.4 GHz band and disable smart connect. Tap **"Common router setting method"** to learn how to configure common routers, and scroll to the bottom for detailed setup steps for some popular brands.

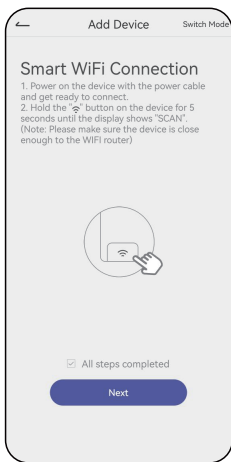
Tips:

- Do not use public Wi-Fi networks.
- iOS 11.0 (or higher) or Android OS 6.0 (or higher) is needed. Ensure your phone connects to the 2.4GHz Wifi during the whole installation, some smart phones will auto switch you to other WiFi. If it switched, please restart again from Step Two 2. Select 2.4 GHz Wi-Fi and enter the password.

c. Hold the " Wi-Fi "button on the hub for 5 seconds till the screen displays "SCAN" and the  will flash quickly:



Press "**Next**" button on APP to search the device.



d. Searching the devices:



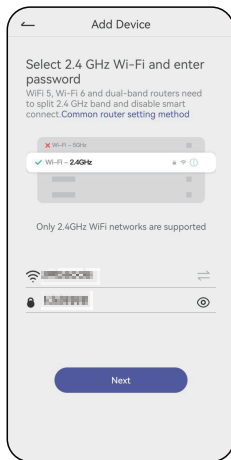
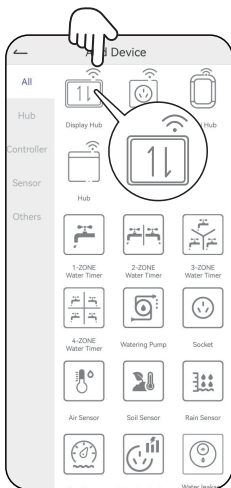
Tap "+" next to the found device before the countdown ends. Rename it and Save. If successful, the screen will display "JOIN" and the "📶" icon.

Note: After successfully adding the Display Hub, your phone can use any network to remotely control the hub, but your router needs to keep 2.4GHz available all the time.

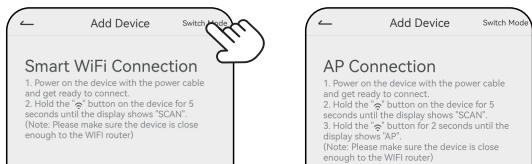
AP mode to connect the Wi-Fi weather station

If you can not connect to the Display Hub, please try AP mode:

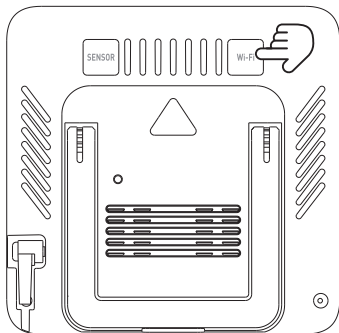
- Tap "+" to add a device on the HomGar Home page, then select the Display Hub.
- Select 2.4 GHz Wi-Fi and enter the password.



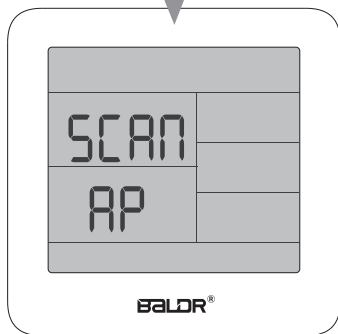
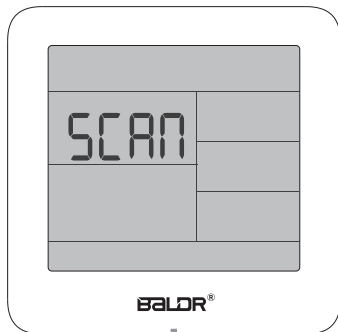
c. Tap "Switch Mode" to the AP Connection Mode page.



d. Hold the " Wi-Fi " button of the hub for 5 seconds till it displays "SCAN".

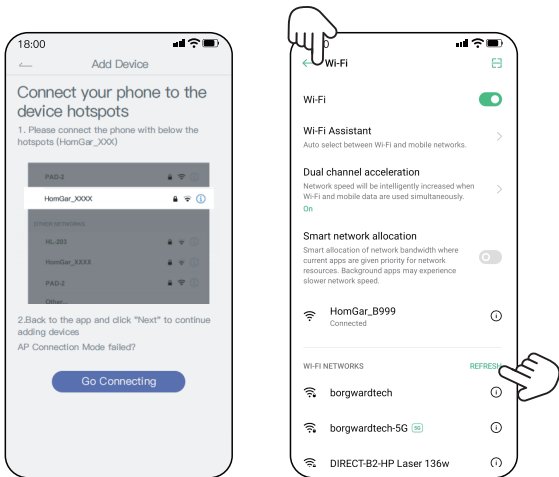


- e. Press and hold "Wi-Fi" button for 5 seconds till the screen display "SCAN", then press and hold "Wi-Fi" button for 3 seconds till the screen display "AP" with Wi-Fi symbol  flashing.



SCAN AP

f. Connect your phone to the device's Wi-Fi.



- Tap **"Go Connecting"** to connect the phone to the **" HomGar_XXXX "** Wi-Fi network. Please REFRESH your Wi-Fi networks if you can not find **" HomGar_XXXX "**.
- Select **" HomGar_XXXX "** Wi-Fi, then tap **←** back to HomGar app.
- Tap **"Next"** to continue.

Note: Please check if your phone is connecting to 2.4 GHz Wi-Fi before you connect to the **"HomGar_XXXX"** network and please disable the dualband router's smart connect setting. Decline your phone Wi-Fi Assistant to switch you to a better Wi-Fi network when similar Tips pop up. Please refresh your Wi-Fi NETWORKS if you can not find the **"HomGar_XXXX"** Wi-Fi.

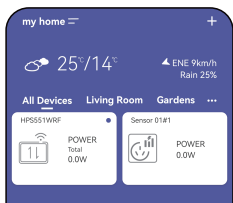
g. Auto pairing.

The power monitor hub will auto connect the Wi-Fi.

If successful, the weather station will display "JOIN" and the "📶" icon.

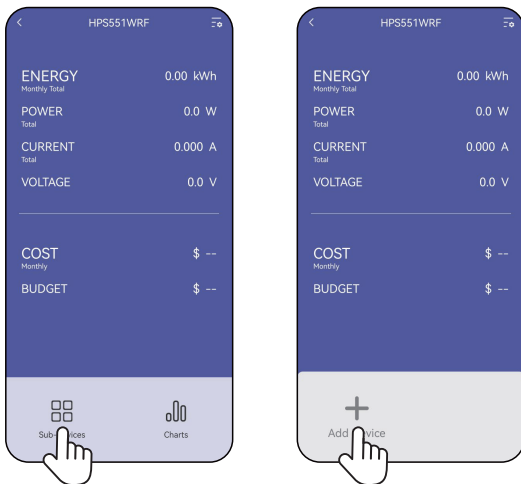


Note: If your power monitor hub is disconnected from the HomGar APP, all you need to do is log in to the APP again and the power monitor hub will automatically connect to the APP.

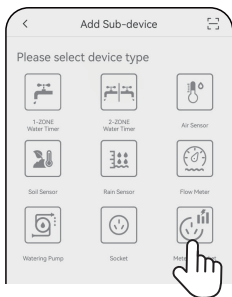


2.3 Connect Socket

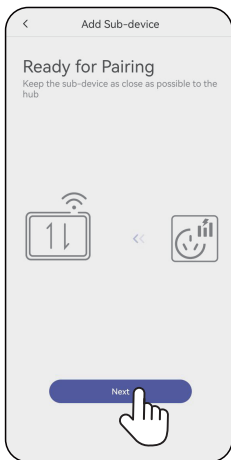
a. Press "Sub- devices" and "Add Device" on APP.



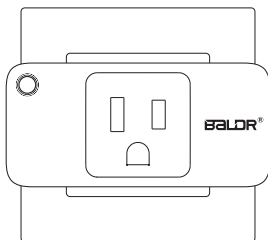
b. Select "Metering Socket" to pair with Wi-Fi power monitor hub.



c. Press "Next" to start pairing, the blue light on socket will flash quickly.

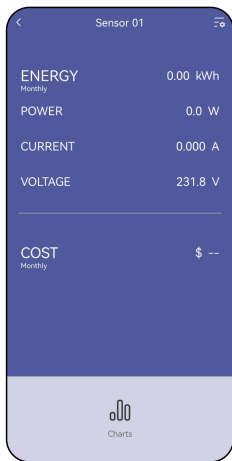


d. Plug the socket to outlet.



e. Data will show on the APP and the power monitor hub, and the blue light will always on.

(The data on APP and LCD show 0000, and it starts to monitor the power data of the devices you monitored. When the rate is not set, the rate part stays. ----)

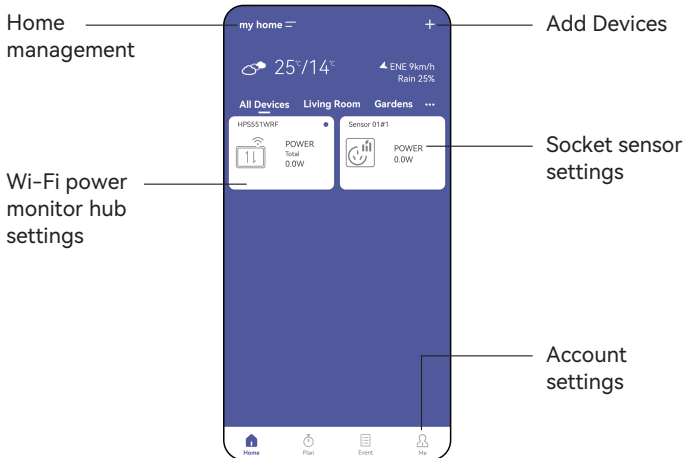


Tip:

- Repeat the steps above to add more socket sensors, there are up to 9 sensors can be added and show on the screen by switching sensors.
- Press "SENSOR" button to to switch to view the data on the LCD, the order is: SENSOR TOTAL→SENSOR 1→SENSOR 2→..... → Cycle mode (start from TOTAL, the cycle label appears on the right side) → SENSOR TOTAL.

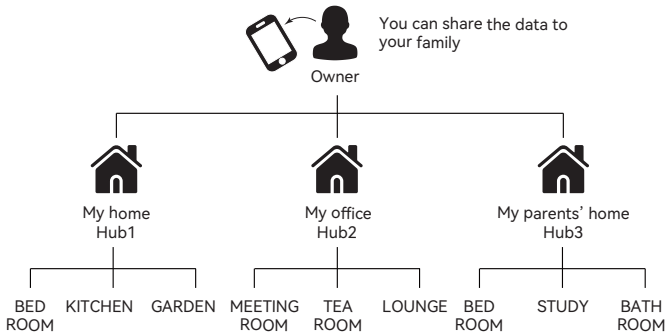
3. APP PROGRAMMING

3.1 HomGar App Home Page



3.2 HomGar App Guidelines

ACCOUNT SETTINGS → HOME MANAGEMENT → HOME SETTINGS.



3.3 Home Management

- **Add or Delete Home**

One HomGar account can create up to 20 Homes. We recommend creating one Home for one location.

- **Accept or Refuse other's HOME Invitation**

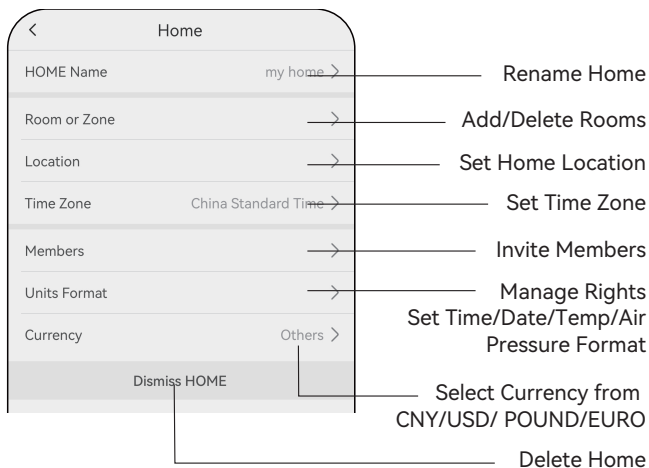
Each Home can share up to 100 Members.

3.4 Home Settings

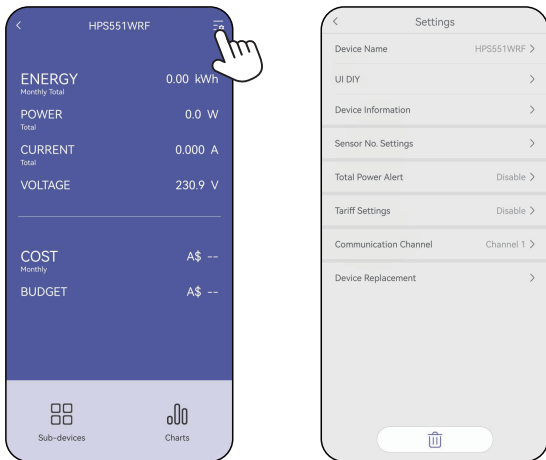
Each Home can be divided into a maximum of 20 Rooms. You can create "**Bedroom**", "**Kitchen**", "**Garden**" in "**My Home**". All devices in all Rooms of "**My Home**" will be displayed in "**All Devices**".

Update Your Location

Set your home location for an online weather forecast.

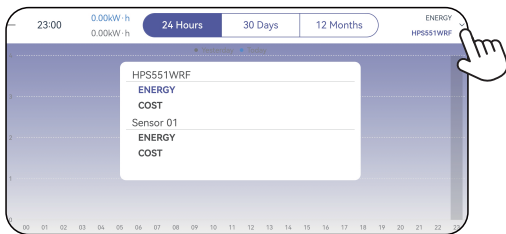


3.5 Wi-Fi Power Monitor Setting



3.5.1 Charts--Historical Statistics

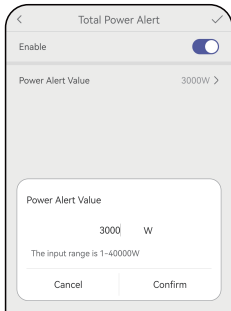
Check the chart about energy or cost hourly, daily or monthly.



Tip: Click " ∨ " to select and switch to the item you need to check.

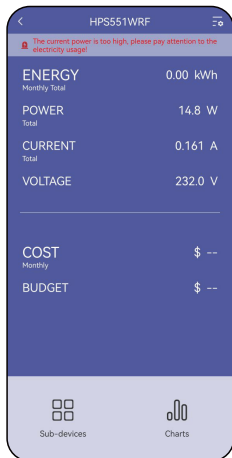
3.5.2 Total Power Alert

1) Set total power alert of the devices monitored.

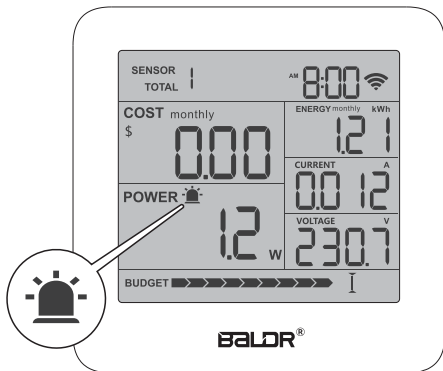


2) Alert Notification (Via APP or Screen selectable)

a. When the APP alert is turned on, it will send a message push (provided that the push function is turned on), and the power number will turn red.



- b. When the LCD alert is turned on, the alert logo will always be displayed and there will be a bibi sound alert until the power drops back to the alert line, or manually turn off the audible alert via the button.

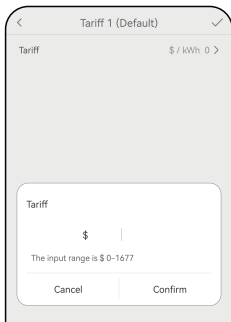


Tip: After manually turning off the sound by touch the top button, the sound will be suspended for 5min, if the power is still higher than the alarm value after 5min, it will bibi again. The alarm value function can be set for multiple sensors, if there are multiple sensors connected or in auto switching mode, only the alarmed sensor will be displayed, if multiple sensors are alarmed at the same time, only the alarmed sensor will be displayed and switched among these sensors automatically.

3.5.3 Tariff Settings

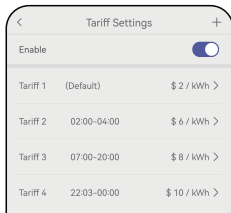
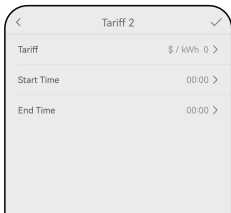
1) Click on Tariff Setting to set rates, click Tariff 1 (default) to set the first and default rate.

When the different tariffs are set not to cover the entire day, the tariffs for the uncovered period will be calculated according to Tariff 1 by default.



2) Set billing standard, start time, end time for each tariff.

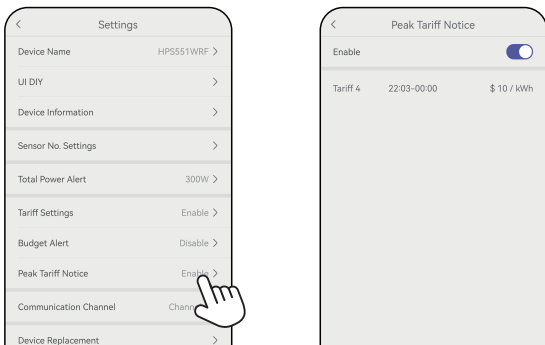
After setting the billing standard, the APP and the LCD will start to show today's electricity cost accumulation.



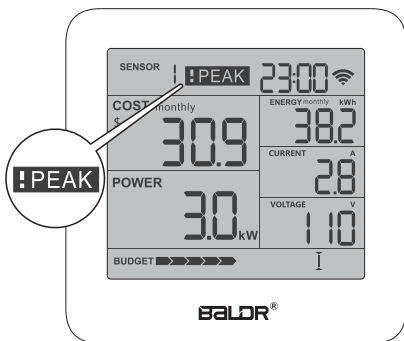
Example

3.5.4 Peak Tariff Notice

- 1) When multi-rate is turned on, the peak rate alert function can be turned on in the settings.

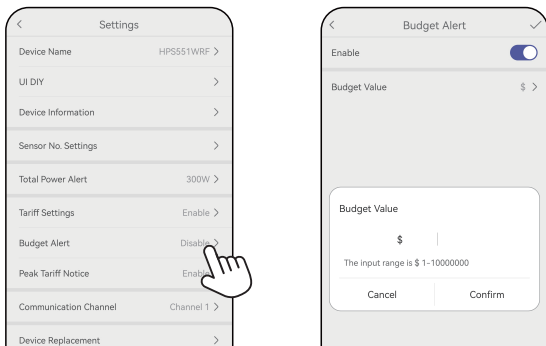


- 2) When the time is in the period of higher rate, "**PEAK**" will be displayed on the APP and LCD that it is currently in the period of peak rate. (Default Off)



3.5.5 Electricity Budget and Reminder

- 1) Set the budget value of the current month's electricity, which will be shown in the BUDGET on the LCD.



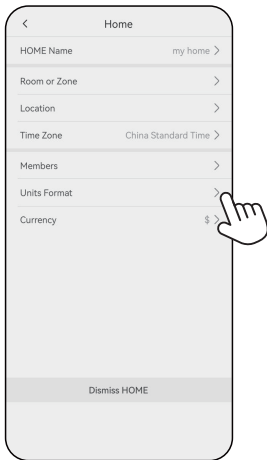
- 2) The whole budget bar is divided into 10 squares evenly, and the electricity cost represented by each square is automatically calculated by the system.

At the beginning, the first grid is lit by default. When the month's electricity bill reaches and exceeds the budget for the first time, a prompt message will be pushed on the APP and pushed to the cell phone front desk.





3.6 Time Function

The default time format is 24H, and start from 8:00. After the hub connected to Wi-Fi, the time will automatically synchronizes to the Internet. The format can be changed on home management of settings.



3.7 Backlight Brightness Adjustment

- 1) Touch the top  | zZ button to adjust the brightness of backlight from Off-10%-30%-50%-100%.
- 2) When the alert turns on, touch the top  | zZ button to turn off the alert.

4. TROUBLESHOOTING

What happen	Factors	Solutions
Can't receive the verification code.	<ul style="list-style-type: none"> • Wrong email address. • The verification email was marked as spam or blocked. 	<ul style="list-style-type: none"> • Check your email address and ensure your country/region are correct. • Resend and check your spam mailbox. • Change the verification method. • Contact us for help, we will manually create an account for you.
Can't log in to the HomGar app.	<ul style="list-style-type: none"> • Incorrect account name or password. • Poor network. 	<ul style="list-style-type: none"> • Check your account name and password. If you forgot password, please tap "Forgot password". • Change to a better network and try again. • Contact us for help.
Power monitor hub can't connect to Wi-Fi.	<ul style="list-style-type: none"> • Not 2.4 GHz Wi-Fi. • Add a wrong device. • Defective product. 	<ul style="list-style-type: none"> • Please see the user manual for more details. • Contact us for a free replacement.
Power monitor hub offline and icon turns grey.	<ul style="list-style-type: none"> • Poor network. • The router has been rebooted or the Wi-Fi password has been changed. • The product displays SCAN or SCAN AP by mistakenly pressing the "Wi-Fi" button. 	<ul style="list-style-type: none"> • Move the power monitor hub close to the Wi-Fi router for better network. • You need to reconnect the Wi-Fi power monitor hub. For more details, please see user manual . (Please do not delete the grayed-out display hub icon, otherwise the original settings and data will not be retained after reconnection.)

What happen	Factors	Solutions
<p>How to make the product exit "SCAN" "SCAN AP" mode?</p>	<ul style="list-style-type: none"> • Neither mode can be exited, you need to wait for the connection to time out and exit automatically. • You can force restart the product by re-powering it. 	<p>Please Note: once you press and hold the "Wi-Fi" button, the weather station will erase the original network configuration information, and you need to reconfigure the network. So in "SCAN" "SCAN AP" mode, please add the device in the app and follow the next step to reconnect the Wi-Fi.</p>

5. WARRANTY

BALDR provides a 1-year limited warranty on this product against manufacturing defects in materials and workmanship.

For more help:

Email: service@baldr.com