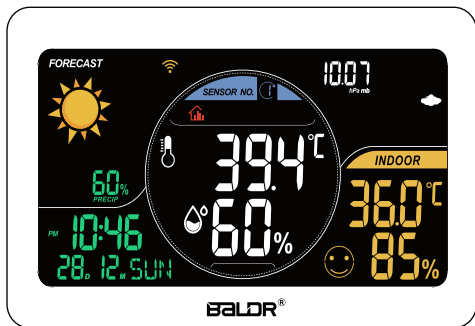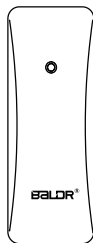# USER MANUAL

HG01   HS666

Welcome to the **BALDR** family! Please read the manual before using it and save this for future reference.

✉ Email: service@baldr.com

Thank you for choosing BALDR Wi-Fi weather station!

BALDR Electronic is a diversified company specialize in smart household electronic products. We founded it in 2015 and operated from vibrant Princeton, New Jersey. Our US based office and warehouses ensure speedy order delivery and timely customer support.
At BALDR, placing an order is just the beginning, we listen to our users' feedback and answer any inquires, working hard to make your shopping experience a pleasant journey.
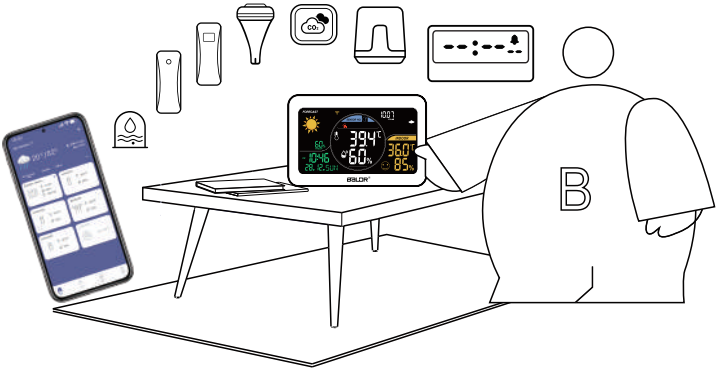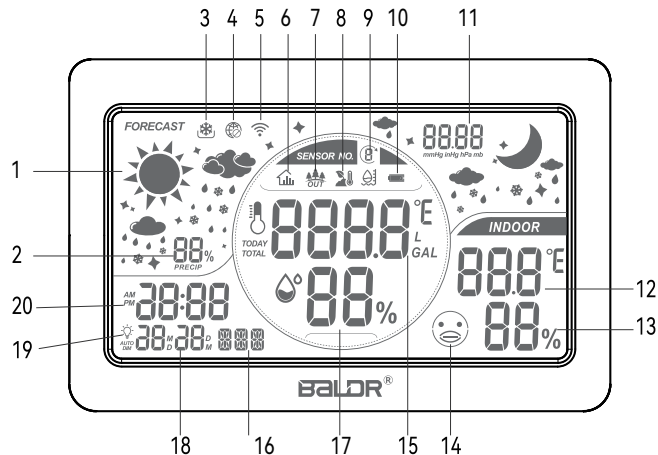
Baldr Electronic LLC
18 Middlesex Blvd,
Plainsboro, NJ 08536
US

Contents

1. INTRODUCTION

1.1 Wi-Fi Weather Station Hub Overview

1. Weather forecast

2. Rainfall probability
Range: 0%-99%

3. Freezing point alert icon
The icon will flash if temperature is 0℃~ 2.9℃(32℉~37.22℉),
will keep displaying if temperature   lower than 0℃(32℉).

4. Icon for failed server connection
If this icon appears, please reconnect the device.

5. WIFI signal indication

6. Indoor sensor indication

**7. Outdoor sensor indication**

8. Soil sensor indication

9. Sensor channel display
Every 5 seconds, each channel will display a cycle.

10. Low battery indicator of sensor

11. Barometric pressure

12. Indoor temperature

13. Indoor humidity

14. Indoor comfort level indicator

15. Outdoor temperature

16. Outdoor humidity

17. Weekday abbreviation

18. Calendar

19. Smart backlight mode

20. Current time 12/24 hr
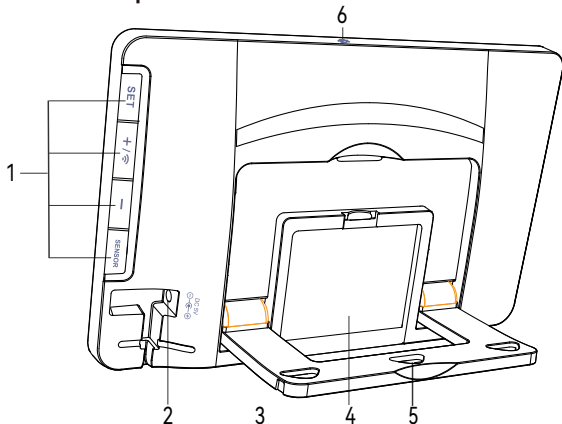
1. SET +/ 📶 – SENSOR buttons

2. DC Inlet

3. Standing bracket

4. Battery compartment

5. Wall mounting holes

6. Backlight button

⚠ **To get accurate readings, please keep the devices away from dust, humidity, rain, heat source and direct sunlight.**

*Indoor comfort level indicator

😐	DRY: Humidity ≤40%
🙂	COMFORT: 40% ≤Humidity≤ 70% 20℃(68℉) ≤Temperature≤ 28℃ (82.4 ℉)
🙁	WET: Humidity ≥ 70%

EN

1.2 Weather forecast

Sunny	Partly Cloudy	Cloudy	Rainy	Snowy	Sunny/Partly cloudy (night)
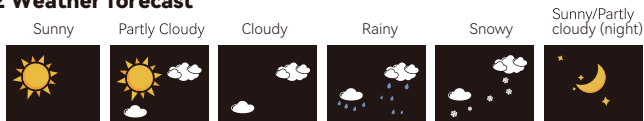
💡 Notes:

- **The GPS location is only used to receive the real-time weather forecast. None can check for your location in any way. Once you authorize it on app, you can get the most accurate weather conditions for your location. (My Home→ Home Management→ Home Settings→ Location)**
- **PRECIP icon shows the probability of rain. The percentage is from 1%-99%. The higher the percentage is, there is more chance to rain.**

* **25% PRECIP** — Today is a cloudy day, and the probability of rain is only 25%.

Buttons	Functions
【SET】	**Normal Mode:** • Press and hold to enter manual setting mode. • Press to save and go to next step.
【 +/📶 】	**Normal Mode:** • Press and hold to enter intelligent pairing mode, • Press and hold again to switch to AP pairing mode. **Manual Setting Mode:** • Press to increase value, • Press and hold to increase continuously.
【–】	**Manual Setting Mode:** • Press to decrease value. • Press and hold to decrease continuously.
【SENSOR】	**Normal Mode:** • Press to switch channel, • Press and hold to reconnect.
【🔆】	**Normal Mode:** • Press to adjust the brightness of the backlight. **Manual Setting Mode:** • Press to exist.

1.3 Outdoor Sensor Overview
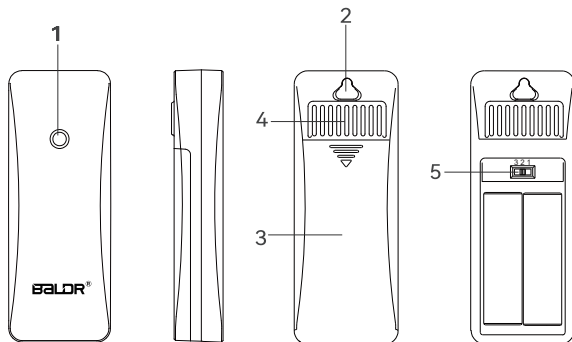
1. Indicator light

2. Hanging hole

3. Battery compartment

4. Sensor detection window

5. Channel Switch 1-2-3

Note:

· Please keep the detection window ventilated and avoid water ingress.

· Please make the sensor detection window to keep a appropriate distance about 2cm/0.79 inch from the wall.

1.4 Wireless Specifications

330 feet / 100 m in open air
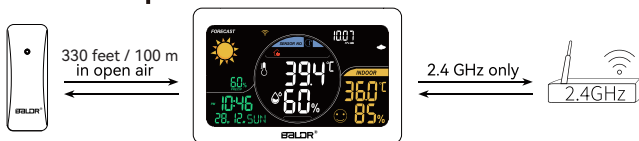
2.4 GHz only

• Transmission distance of RF signal (in open air): up to 330 feet.

• Update Rate of Outdoor Sensor: 2 minutes

• RF Frequency: 433.92 MHz.

• Wi-Fi Band: 2.4 GHz only.

*Obstacles such as walls, trees, and hills can cause significant signal loss.

*Water in the air (humidity) will affect the RF reception.

1.5 Measurement Specifications

Weather Station Gateway/Outdoor Sensor/Indoor Sensor Specifications			
Measurement	**Range**	**Accuracy**	**Resolution**
Indoor Temperature	-9.9ºC~50ºC (14ºF~122ºF)	±1.0℃(±1.5℉)	0.1℃(0.2ºF)
Outdoor Temperature	-40℃~+60℃ (-40ºF~140ºF)	±1.0℃(±1.5℉)	0.1℃(0.2ºF)
Indoor Humidity	1%RH~99%RH	±5%RH	1%
Outdoor Humidity	1%RH~99%RH	±5%RH	1%
Barometric Pressure	850~1050 hPa/mb (638~788 mmHg, 25.10~31.01 inHg)	±5 hPa/mb (±3.75 mmHg, ±0.148 inHg)	1hPa/mb (0.01 inHg, 0.1mmHg)

💡 **Note: The data are relative humidity and pressure value.**

1.6 Power Supply

WiFi Weather Station

・AC Adapter Input: 100-240 V, 50/60 Hz

　DC Output: 5.0V ⎓ 1.2 A

・3 × AA batteries（Not included)

💡 **Note： WiFi weather station (Display hub) requires adapter for full functional display. We do recommend using DC adapter for better performance.Note： WiFi weather station (Display hub) requires adapter for full functional display. We do recommend using DC adapter for better performance.**

Temperature Sensor

・2 × AA batteries（Not included)

💡 **Note: please use brand new alkaline batteries with high quality for better performance. Do not mix using the old and new batteries. Heavy duty or rechargeable batteries are not recommended.**

2. INSTALLATION

2.1 Install App on Your Phone

• 1. Search and download HOMGAR on:

or scan the QR code to download:

| IOS | Android | Set up video |

• 2. Create an account and log in:

Follow the prompts to register a HomGar account with your email.
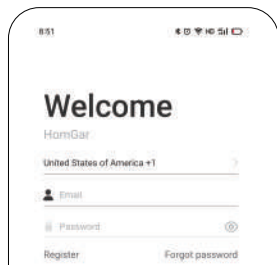
Please choose your nation to get the common units such as $°C$ or $°F$.
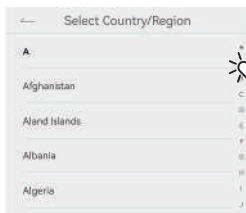
Tap the Initial word of you nation to fast find it out.

6

If do not receive the code:
1 . Please check if the registered email address is correct.
2 . Please check the spam mailbox.
3 . Please check if the country/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 **account@homgarus.com**
* If the mail is completely blocked , please call us or mail to baldrservice@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 Weather Station

• 1. Add device on the HomGar Home page:
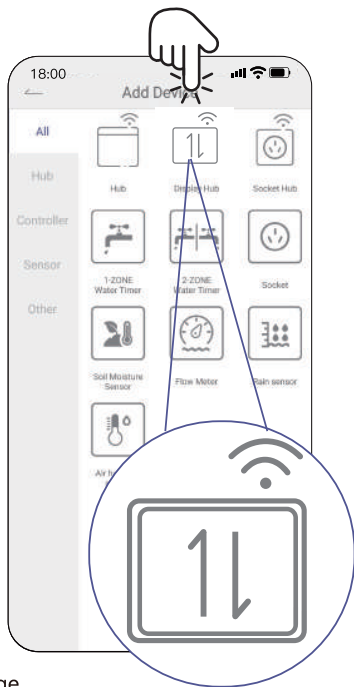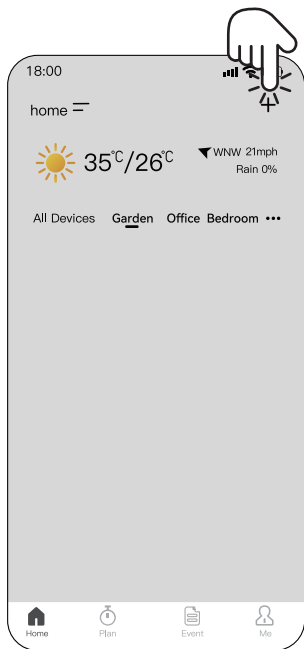
Tap "+" on the HomGar Home page.
Select the Display Hub to add.

• 2. Select 2.4 GHz Wi-Fi and enter the password:
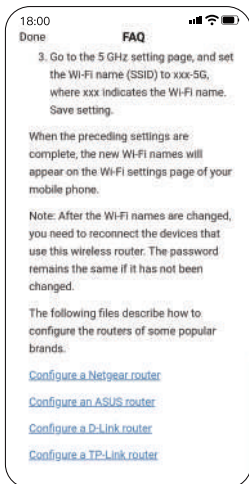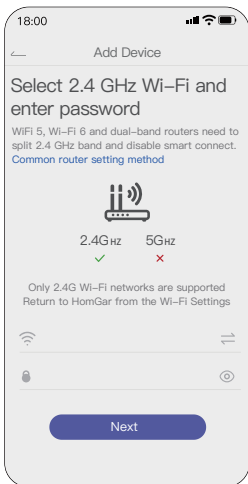
This Wi-Fi weather station hub only works with 2.4 GHz Wi-Fi.
If your router is WiFi 5, Wi-Fi 6, or dual-band router, you need
to split the 2.4 GHz band and disable smart connect.
Tap " Common router setting method" to learn how to configure
common routers, and scroll to the bottom for detailed setup
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 2.4 GHz 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.**

• 3. Hold the【+/ 🛜】 button of the hub for 5 seconds till it displays "SCAN":

Power on the weather station hub by DC adapter.
**We do recommend using DC adapter for better performance.
Batteries provide backup power only in an emergency.**
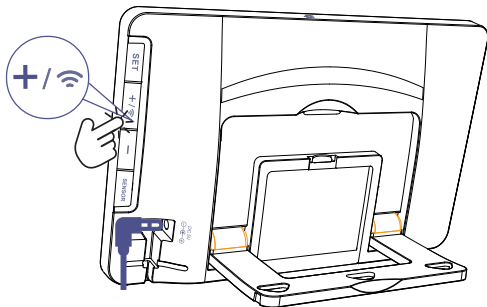
Press and hold【+/ 🛜】 button until the hub shows "SCAN",
then open the APP to finish the rest steps for connection:
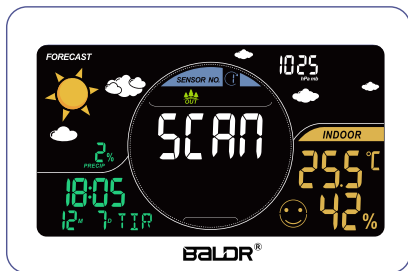
• **4. Auto pairing and add the found device:**
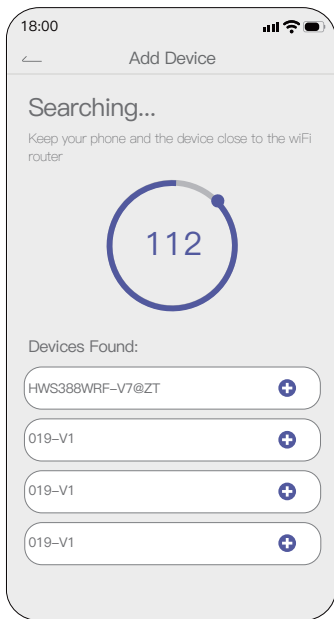
Tap "+" next to the found device before the countdown ends.
Rename it and Save. If successful, the screen will display "JOIN" and
the " 🛜 " icon.

* 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:

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

• 3. Tap "Switch Mode" to the AP Connection Mode page.

18:00   📶 📶

←   **Add Device**   Switch Mode

Smart WiFi Connection Mode

1.Turn on the power of the device and makesure the device is ready for connecting.
2.Hold the "⌒" button of the hub for 5 seconds till it displays "SCAN".
(Note: Please power up the hub via AC adapter during the connection process)

18:00   📶 🛜 🔋

←   **Add Devic e**   Switch Mode

AP Connection Mode

1.Hold the "⌒" button of the hub for 5 seconds till it displays "SCAN".
(Note: Please power up the hub via AC adapter during the connection process)
2.Hold the "⌒" button again for 3 seconds till it displays "SCAN AP".

• 4. Hold the [+/⌒] button of the hub for 5 seconds till it displays "SCAN".

Hold the【+/ 📶】button again for 3 seconds till it displays "SCAN AP".

SCAN AP

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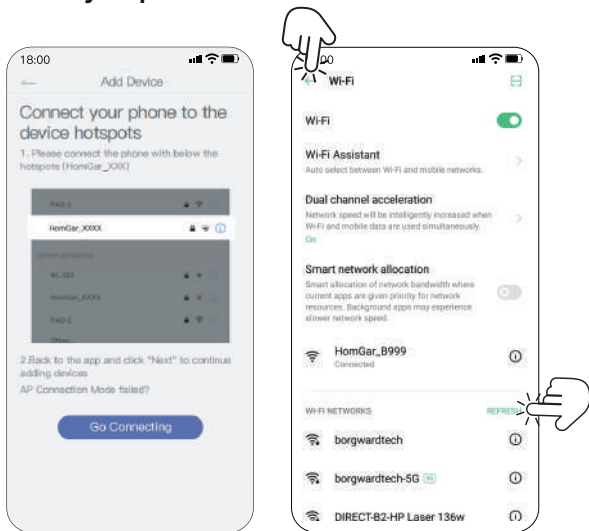
· Tap "Go Connecting" to connect the phone to the "HomGar_XXXX" Wi-Fi network. Please REFRESH your Wi-Fi networks if you can not find "HomGar_XXXX".
· Select "HomGar_XXXX" Wi-Fi, then tap "←" back to HomGar app.
· Tap "Next" to continue.

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 dual-band 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 2.4 GHz Wi-Fi.

• 6. Auto pairing
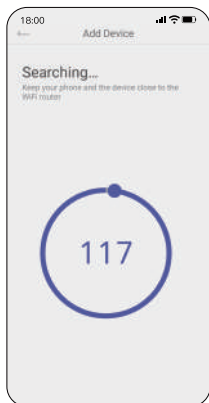
The weather station hub will auto connect the Wi-Fi.

If successful, the weather station will display "JOIN" and the " 📶 " icon.
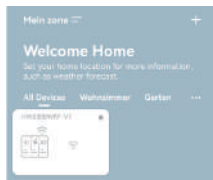
NOTE:
If your weather station hub is disconnected from the HomGar APP, all you need to do is log in to the APP again and the weather station hub will automatically connect to the APP.

2.3 Connect the Outdoor Sensor

• 1. Press the "SENSOR" button till the weather station shows SENSOR NO 1.
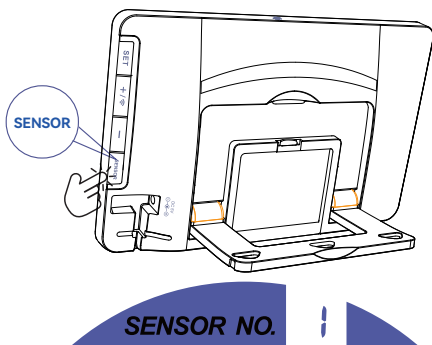
SENSOR NO.

• **2. Press and hold the "SENSOR" button until the flashing dashes appear on the screen.**
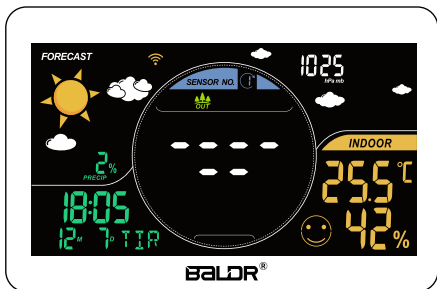
• **3. Dip switch 1 in the sensor set before installing of batteries.**

• **4. Inset two AA batteries and wait for auto pairing.**
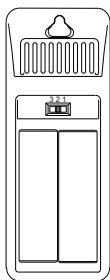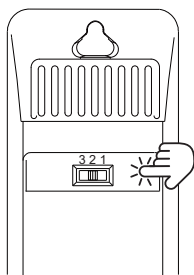
• **5. Repeat steps 1 ~ 4 to add sensor 2, and sensor 3.**

NOTE:
If your sensor is disconnected from the HomGar APP or weather station, you can remove the sensor's batteries and reinstall it, and the sensor will automatically connect to the weather station or APP.

2.4 Install the Outdoor Sensor

Make sure each sensor is placed properly for accurate monitoring value by:
 • Do not directly expose the outdoor sensor to rain, sunlight or close to any heat source.

 • Keep well-ventilated and leave a certain space of gap between the sensor and the wall for sensor accuracy.
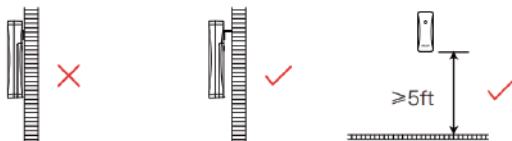
 • Place the sensor at a height of about 5-8 ft vertically.
 • keep away from strong interference sources such as TVs, microwaves, computers and etc.
 • Keep the obstacles between the units as few as possible, walls and trees will greatly weaken the signal.
 • Please place the sensor as near as possible to the main unit. If the sensor goes offline frequently.
 • Vertically placement is required:

Place on a
stable surface

Hang from the back
hole using a nail
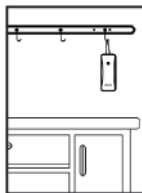
Lift with a rope

2.5 SENSOR NO. and Channels Introduction

SENSOR NO.

Channel 0: None sensor channel.
This channel is not paired with any sensor. It is a real-time temperature humidity forecast, and the data comes from the internet.

SENSOR NO. 1~3

Channel 1~3: Outdoor/ Pool Temperature Channels.
These channels are paired with outdoor temperature sensors and pool temperature sensors. These sensors can detect and record air/water temperature/humidity.

SENSOR NO. 4~8

Channel 4~8: Soil Moisture Channels.
These channels are paired with soil moisture sensors. These sensors can detect and record soil temperature and humidity. BALDR Wi-Fi weather station and RainPoint HomGar Series are compatible with each other.

SENSOR NO. 9

Channel 9: Rain Gauge Channel.
This channel is paired with a rain gauge sensor. The sensor can detect and record local rainfall.

SENSOR NO.

Channel Looping:
This loop mark indicates that the screen will continue to loop through different channels. Press the SENSOR button to get SENSOR NO. Back to "1" to turn cycle mode on or off.

3. APP PROGRAMMING

3.1 HomGar App Home Page

Home Management

Add Devices

Weather Station Hub Settings

Home Settings

Outdoor Sensor Settings

Accout Settings

```
18:00                          📶 🛜 🔋
home ≡                              +

☀️ 35℃/26℃        ◤WNW 21mph
                         Rain 0%

All Devices   Living room   Bedroom   •••

HWS388WRF-V7        ●    sensor 1#1
  🛜  🌡 24.5℃          🌡 26.4℃
 1↑  💧 59%            💧 49%
     ⊘ 1016mb

sensor 2#2              sensor 3#3
  🌡 25.5℃             🌡 25.1℃
  💧 62%               💧 61%


🏠        ⏱        📋        👥
Home    Plan    Event     Me
```
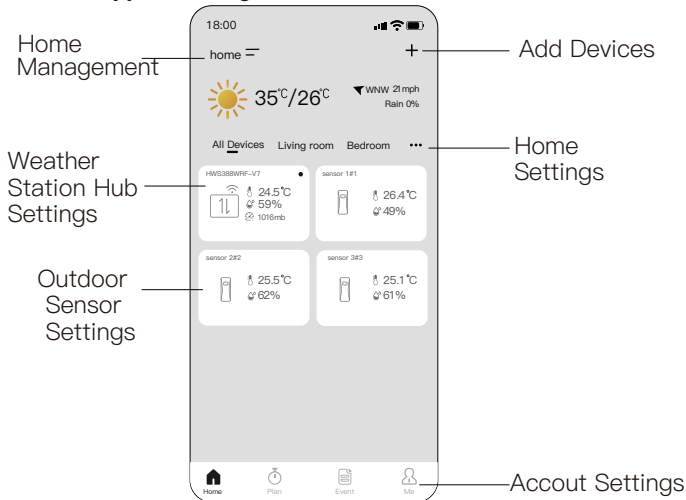
3.2 HomGar App Guidelines

ACCOUNT SETTNGS

👤 You can share the data to your family

Owner

HOME MANAGEMENT

HOME SETTINGS

🏠 My home
Hub1

BEDROOM   KITCHEN   GARDEN

🏠 My office
Hub2

MEETING ROOM   TEA ROOM   LOUNGE

🏠 My parents' home
Hub3

BEDROOM   STUDY   BATHROOM

20
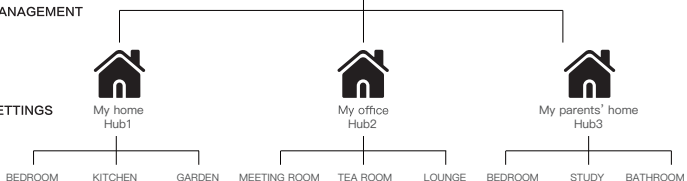
3.3 Home Management

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.
* The GPS location is only used to get the local weather forecast and temperature and humidity in channel 0 from online.
  None can check for your location in any way.

18:00	📶 🛜 🔋
← Home Settings	
Name	My Home >	— Rename Home
Room or Zone	>	— Add/Delete Rooms
Location	>	— Set Home Location
Time Zone	Eastern Standard Time >	— Set Time Zone
Members	>	— Invite Members / Manage Rights
Units Format	>	— Set Time/Date/Temp/Air Pressure Format
Dismiss Home		— Delete Home
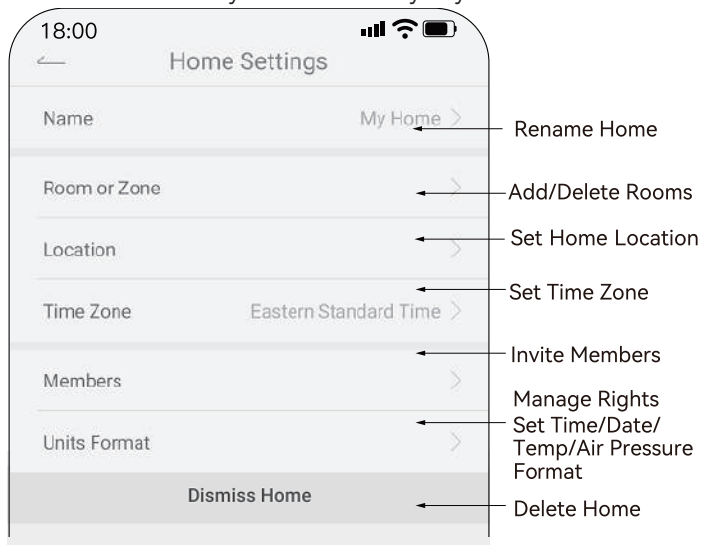
3.5 Wi-Fi Weather Station Settings
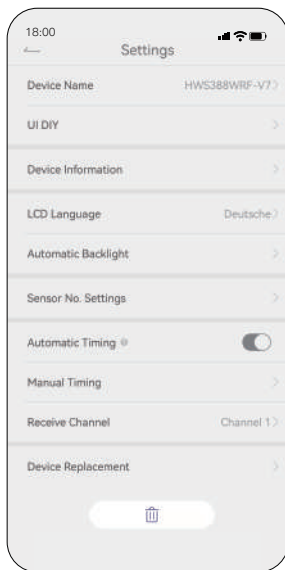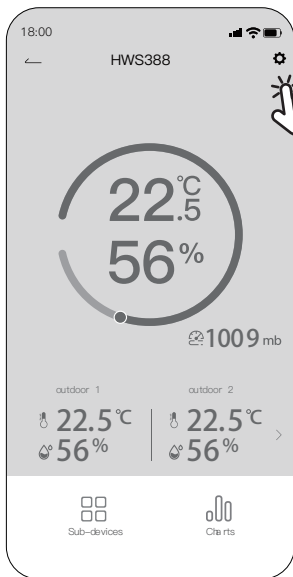
"Charts": check the curve chart about temperature/ humidity/ air pressure of 24hours/10 days/more.

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

| Buttons	Function
"⚙"	Enter setting page to edit the device name, view device information, set the display language of the weather station hub, adjust automatic backlight and so on.
UI DIY	Set the background image and font color at lower right corner of "UI DIY" page.
LCD Language	Set the weekday abbreviation in 7 languages on weather station hub.
Automatic Backlight	Set automatic backlight time periods and backlight levels.
Automatic Timing	Click it to automatically to receive the correct time all the time.
Manual Timing	Click it to manually to receive the correct time one time.
Device Replacement	Transfer the data of old devices that record the temperature/ humidity/ air pressure to new devices.
Sensor No. Settings	Set channel 1/2/3 sensor, adjust the sorting of channel 4-9. Click " ≡↓ ", " ⊖ "and" ⊕ "to resort and exit. To re-add a device that has been removed from display, click "Re-add".

Note: After deleting the weather station hub, the data recorded by this weather station will be deleted synchronously! If your weather station is offline or it restarts after powering off, please do not delete the device. It will automatically reconnect after powering up, and it will also come back online when the Wi-Fi signal gets better.

3.6 Outdoor Sensor Settings
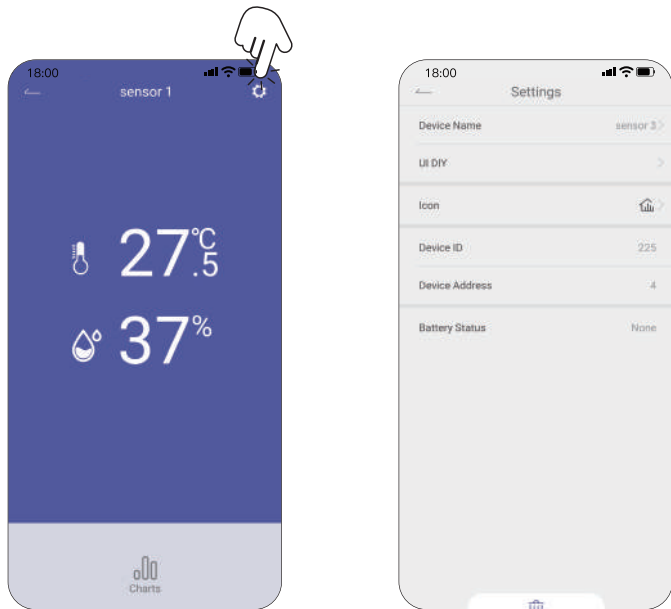
Charts: You can check the 24 hours, 10 days, and more historical temperature/ humidity data via the charts.

Setting: Edit your device name, DIY UI, check the battery status.

🗑 **Note: After deleting the outdoor sensor, the data recorded by this sensor will be deleted synchronously!** If your sensor is offline or it restarts after powering off, please do not delete the device. It will automatically reconnect after powering on, and it will also come back online when the RF signal gets better.

3.7 Account Settings
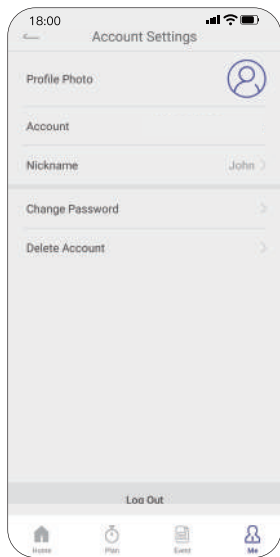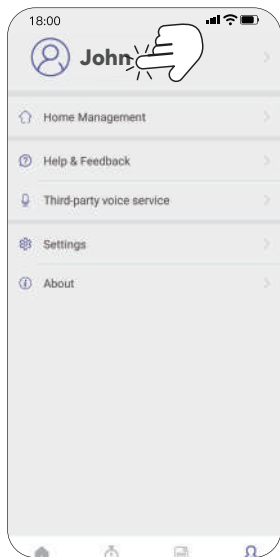
Account Setting: Change your profile photo, nickname, password or delete the account.

3.8 Backlight
How to Adjust the Backlight?
In Normal Mode:
When powered on DC adapter, the screen of the weather station hub will permanently light up until you press the button to adjust the brightness.
In APP:
(My Devices(Weather Station Hub)→ Weather Station Settings→ Automatic Backlight→ Adjust the Backlight)

3.9 Supplement About Time Setting Manually

Step1: Get the Indoor and Outdoor Data

(1)Power on the weather station hub by DC Adapter. The indoor humidity & temperature will display on the screen as well as the barometric pressure.

(2)Hold the "SENSOR" button to start RF reception. The "----" will flash on the screen.
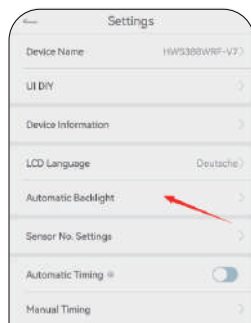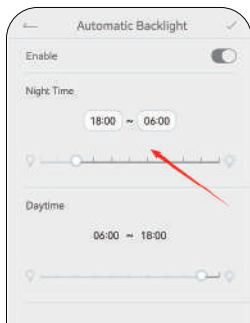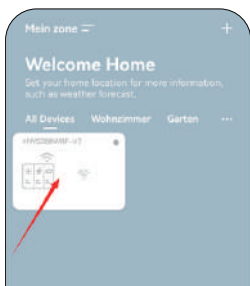
(3)Open the cover of the sensor. Set up the sensor channel to CH1. Inset 2 new "AA" standard alkaline batteries into the sensor. The outdoor humidity & temperature will display on the screen.

(Note:You only need to hold the SENSOR button to get connection for the first time. The sensors will auto paring with weather station again after re-power.)

Step2: Set Time in order

(1)Language Abbreviation: Hold " SET" button about 3 seconds to +/ 📶 time setting. The "Language Abbreviation" value will flash. Press "   " or "-" button to select appropriate language abbreviation. (Please check as below.) Press "SET" button to confirm.

Language	German	Italian	Spanish	Danish	Dutch	English	French
Abbreviation	GER	ITA	SPA	DAN	DUT	ENG	FRE

(2)Barometric Pressure: The barometric pressure value will appear and the unit of barometric pressure will flash. Press ""or "-" button to select the unit of barometric pressure you like. Press "SET" button to confirm.
(3)℃ /℉ Temperature: The unit of temperature will be flash. Press " +/ 📶 " or "-" button to select t ℃ or ℉ unit. Press "SET" button to confirm.
(4)Year: "2021" Year, a default value, will be displayed on the screen. Press ""or "-" button to adjust the value. Press "SET" button to confirm.

(5)MD/DM Format: The "M& D" symbol will flash. (M: Month, D: Date).
Press " +/⬥ " or "-" button to select M/D or D/M format. Press "SET" button to confirm.

(6)Month: The "month" symbol will flash. Press " +/⬥ " or "-" button to adjust the value. Press "SET" button to confirm.

(7)Date: The "date" symbol will flash. Press " +/⬥ " or "-" button to adjust the value. Press "SET" button to confirm.

(8)12H or 24H Format: The 12 or 24 Hour Format display begins to flash. Press " +/⬥ " or "-" button to adjust the value. Press "SET" button to confirm.

(9)Hour:The "hour" symbol will flash. Press " +/⬥" or "-" button to adjust the value. Press "SET" button to confirm.

(10)Minute:The "minute" symbol will flash. Press " +/⬥" or "-" button to adjust the value. Press "SET" button to confirm. After all above steps are finished, the device will automatically exit.

4.Troubleshooting

What happend	Factors	Solutions
Can't receive the verification code	1. Wrong email address. 2. The verification email was marked as spam or blocked.	1. Check your email address and ensure your country/region are correct. 2. Resend and check your spam mailbox. 3. Change the verification method. 4. Contact us for help, we will manually create an account for you.

What happend	Factors	Solutions
Can't log in to the HomGar app.	1. Incorrect account name or password. 2. Poor network.	1. Check your account name and password. If you forgot password, please tap "Forgot password". 2. Change to a better network and try again. 3. Contact us for help.
Weather station can't connect to Wi-Fi	1. Not 2.4 GHz Wi-Fi. 2. Add a wrong device. 3. Defective product.	1. Please see pages 6 to 16 of the user manual for more details. 2. Contact us for a free replacement.
Outdoor sensor can't connect to weather station	1. Incorrect connec -tion steps. 2. Sensor battery depletion. 3. Sensor may be defective.	1.Please power on weather station first and then power on sensor. 2.Replace the new batteries. 3.Contact us to replace a new sensor.
Weather station offline and icon turns grey	1. Poor network. 2. The router has been rebooted or the Wi-Fi password has been changed. 3. The product displays SCAN or SCAN AP by mistakenly pressing the "+/ 🛜 " button.	1. Move the weather station close to the Wi-Fi router for better network. 2. You need to reconnect the Wi-Fi weather station. For more details, please see user manual pages 6 to 16. (Please do not delete the grayed-out display hub icon, otherwise the original settings and data will not be retained after reconnection.)

What happend	Factors	Solutions
How to make the product exit "SCAN" "SCAN AP" mode?	1.Neither mode can be exited, you need to wait for the conne -ction to time out and exit automatically. 2.You can force restart the product by re-powering it.	Please Note: once you press and hold the "+/ 🛜 " 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.
Outdoor sensor offline	1. The RF signal is poor or the RF signal is interfered. 2. Sensor batteries are almost dead. 3. Sensor is broken.	1. Please remove and reinsert the batteries to reconnect. 2. Walls, trees, and window film will weaken the RF signal, please move the sensor closer to the weather station. 3. Replace with new batteries and reconnect. 4. After reinserting the new batteries, the sensor light will flash red immediately and every 3 minutes thereafter. If no red light is seen, the sensor is damaged. Contact us for brand new replacement.

What happend	Factors	Solutions
		5. Please do not delete the grayed-out sensor icon, otherwise the original settings and data will not be retained after reconnection.
wrong date and time	Time zone was wrong. Or Manually set the time was wrong.	1. Check for the yellow Wi-Fi icon in the upper left corner of the screen. If not, reconnect to Wi-Fi. (1) Enter the wifi weather station setting page to turn on "Automatic Timing" function to receive the correct time. (2)Check if your time zone is correct: Open the HomGar app→ Tap "..." on the Home page to Home Settings→ Tap "Time Zone"→ Select the correct time zone 2.Please set the correct the year, the month and the day in weather station hub. Please refer to 27th page.

What happend	Factors	Solutions
inaccurate weather forecast	1. Weather forecasts are based on online weather forecasts and local data analysis Can't be 100% accurate. "PRECIP" on the screen indicates the probability of rain. 2. Wrong location information.	1. "PRECIP" is also a more important parameter, you need to consider the probability of rain. 2. Check if your location is correct: Open the HomGar app→ Tap "..." on the Home page to Home Settings→ Tap "Location"→ Update the correct location information
Inaccurate temperature, humidity	1. Under strong sunshine. 2. Beside heat source 3. Distance between sensor and main unit is too close. 4.Related to power supply. 5.Sensor may be broken.	1.Do not expose the sensor to strong sunshine or heavy rain drop. 2.Do not put the sensor beside heat source. 3.Sensor and main unit should be at least 15 cm. 4.Replace the new batteries. 5.Contact us to replace the new sensor.
The background light automatically dims	Automatic brightness adjustment is set in the APP.	Tap the weather station icon on the Home page→ Tap the Settings on the upper right corner→ Tap Automatic backlight→ Turn off Automatic backlight and save

5.Warranty

BALDR provides a 3-year limited warranty on this product against manufacturing defects in materials and workmanship.

For more help:

Email: service@baldr.com