

Sainlogic SA68 Plus

Wi-Fi Weather Station

QUICK START & USER GUIDE



SCAN FOR SETUP

Watch the Installation & Setup Video



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1. Introduction

Thank you for purchasing the Professional Wi-Fi Wireless Weather Station. The following user guide provides detailed instructions on installation, operation, and troubleshooting. This product is continually evolving and improving, particularly in its online services and associated applications.

To download the latest manuals and other information, please contact Customer Support.

Customer Support E-mail: info@sainlogic.com

Website: www.sainlogic.com

Customer Support Phone: +1 (888) 513-9823 (Mon-Fri 10 a.m. - 6 p.m., Eastern Standard Time)

2. Warning and Cautions

⚠ WARNING: Lightning strikes can be caused by any metal object, including your weather station mounting pole. Mounting your weather station during a storm is prohibited.

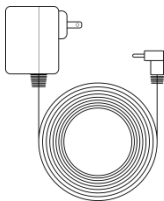
⚠ WARNING: Installing a weather station in an elevated location may result in injury or death, so perform as many preliminary checks and operations as possible on the ground and inside a building or house.

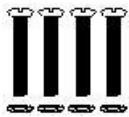
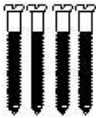
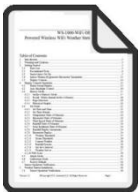
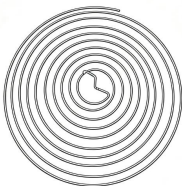
⚠ WARNING: Install the weather station on a clear, dry day.

3. Before You Begin

3.1 What's in the Box

You can find the following items in the box.

			
Console x 1	Outdoor Unit x 1	Power Adapter x 1	Mounting Pole x 1

			
Foot Mounting (with pole insert) x 1	Mounting Bracket Back Plate (pole mount) x 1	Pole Mounting Nuts (M3) / Bolts (Ø3) x 2	Pole Mounting Nuts (M5) / Bolts (Ø5) x 4
			
Pole Mounting Nuts (M5) / Bolts (Ø5) x 4	Manual x 1	Rain Filter x 1	

3.2 Have These Ready

Item	Why
Fresh batteries	Avoid pairing failures caused by weak batteries.
Compass / phone compass	Set wind direction.
Screwdriver	Battery cover and mounting hardware.
Phone with Bluetooth/Wi-Fi	App setup.
Stable mounting location	Prevent movement and false readings.
SAFETY Do not install or adjust the outdoor sensor during a storm. Use appropriate fall/lightning safety when mounting at height.	

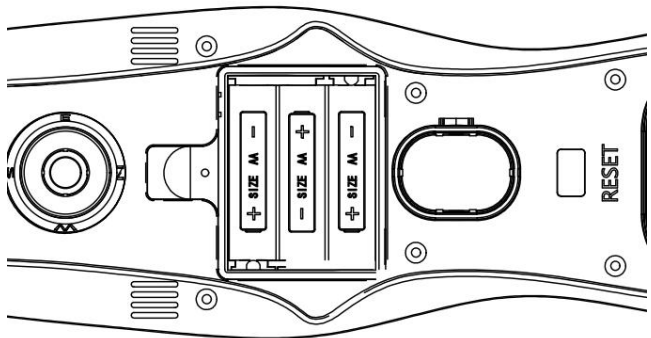
4. Quick Start

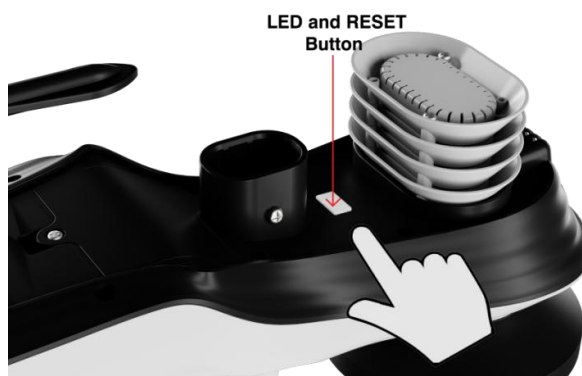
Section	Content	Page
5	Power & Pair the Outdoor Sensor	6-8

6	Installation Location	8-9
7.1-7.3	Wind Direction & Leveling	10-12
7.4	Mount the Outdoor Sensor	13-14
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5. Power & Pair the Outdoor Sensor

5.1. Install Outdoor Unit Batteries





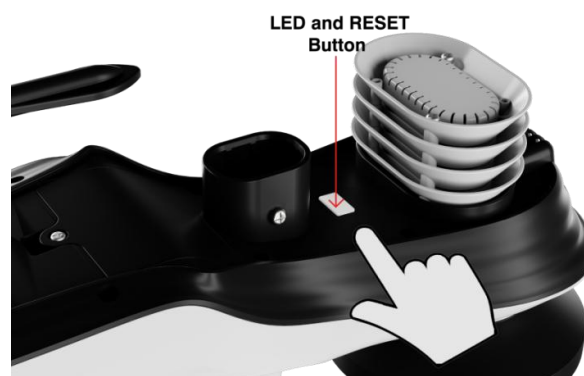
- Insert 3 fresh AA batteries matching polarity (+/-) markings.
- Insert negative (flat) end against spring first for each battery.
- Check rubber gasket around the battery door is clean and properly seated.
- Close battery door and tighten the screws (do not over-tighten).
- Press RESET button once (inside the battery compartment).

COLD WEATHER

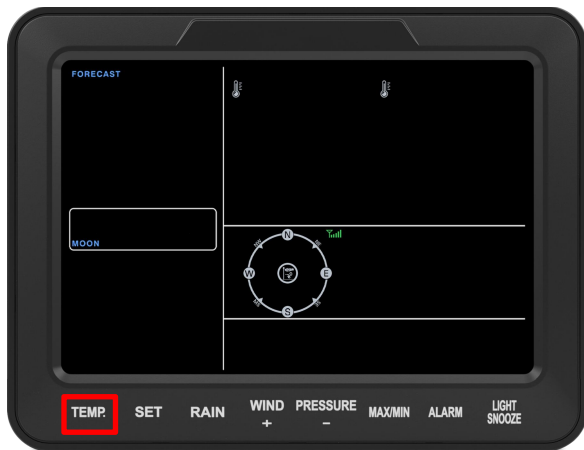
The supplied source manual recommends AA lithium batteries for cold-weather outdoor use.

5.2 Pair Outdoor Unit to Console

1. Hold TEMP for 3 seconds.
2. Press the RESET button once.



3. Wait while the search icon flashes.



4. Check Outdoor readings appear



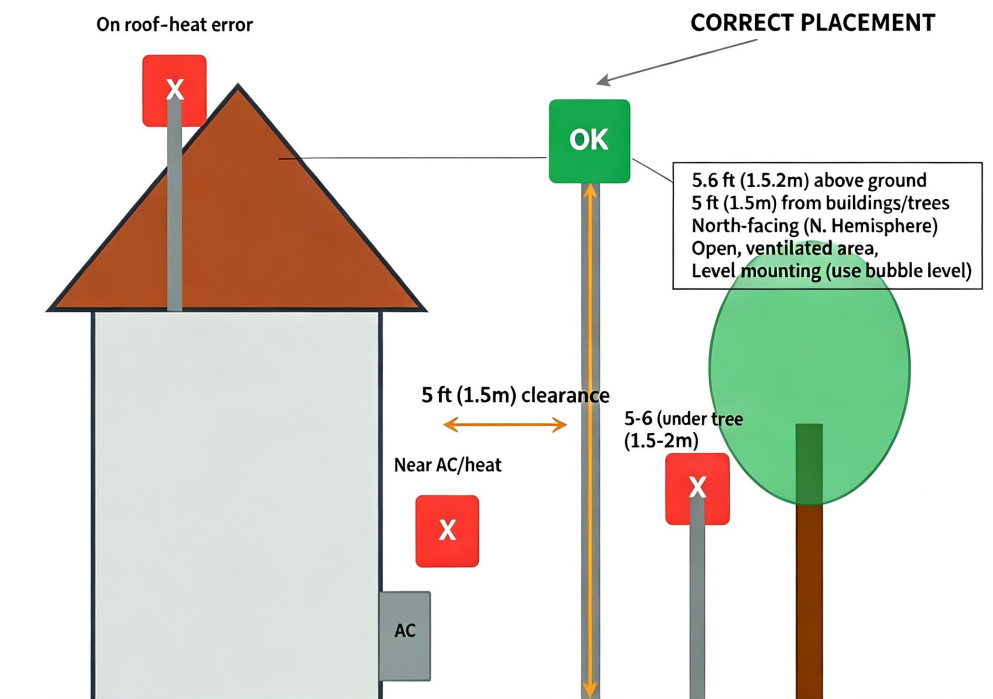
NO DATA?

Check batteries, repeat the pairing sequence once, and wait for the signal. Avoid repeatedly pressing buttons.

6. Choose the Site & Mount

6.1 Site Survey

Proper placement is CRITICAL for accurate readings. Incorrect placement is the #1 cause of inaccurate measurements

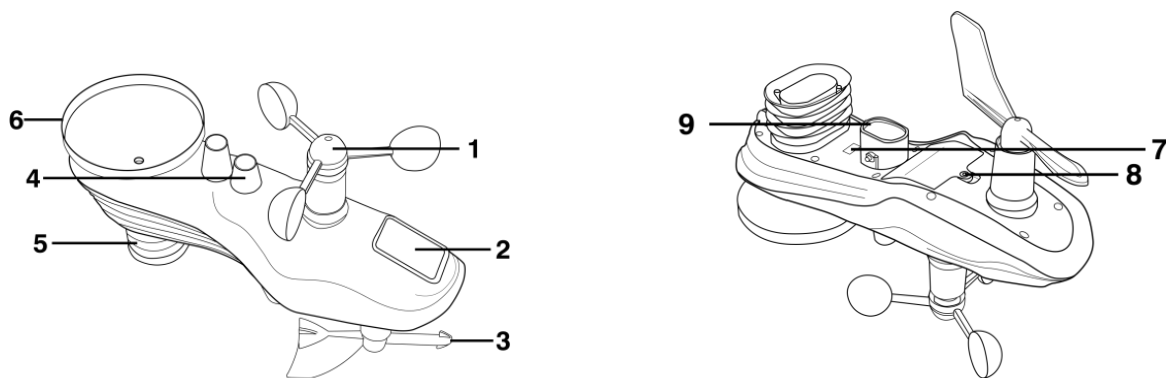


- Choose an open location with good wind exposure.
- Keep the rain collector clear of overhead obstructions.
- Avoid abnormal airflow caused by walls, roofs, and trees.
- Use a stable pole, bracket, or suitable mounting surface.
- Finish pairing and testing before permanent mounting.

WARNING

AVOID THESE COMMON MISTAKES! Do NOT mount the sensor: directly on a roof (heat radiation), above asphalt/concrete (heat radiation), near AC units/vents (artificial heat), in direct all-day sun (high temp error), under tree cover (blocks rain/wind), or closer than 5 feet to walls/structures.

6.2 Sensor Overview

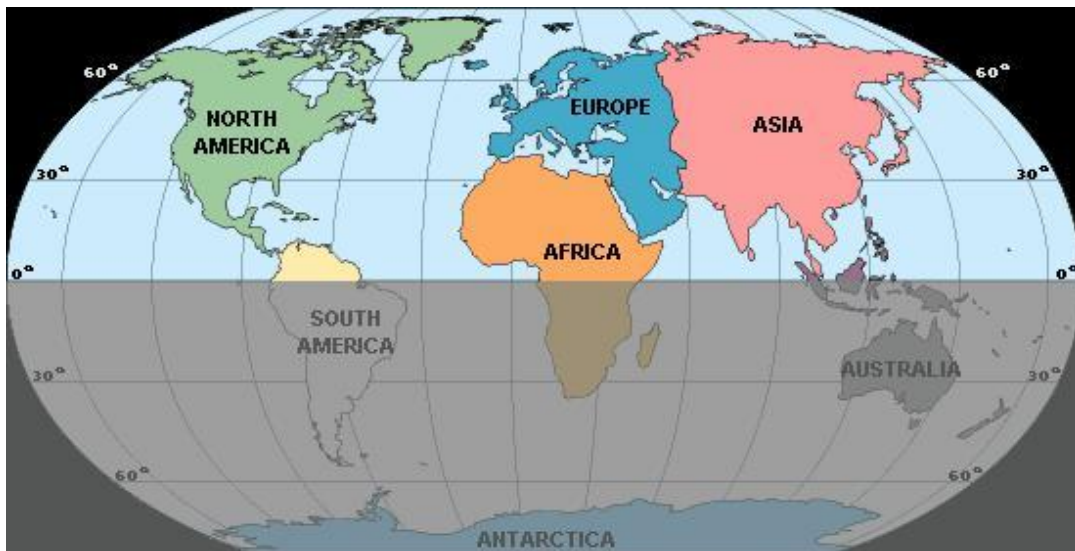


NO	Description	NO	Description
1	Wind Cup	6	Rain Collector
2	Solar Panel	7	Reset Button/LED Indicator
3	Wind Vane	8	Battery Door
4	Bubble Level	9	Mounting Pole Socket
5	Thermometer-Hygrometer Sensor		

7. Direction Alignment

Users located in the Northern Hemisphere, please use the Northern Hemisphere installation method. If you are located in the Southern Hemisphere, please use the Southern Hemisphere installation method.

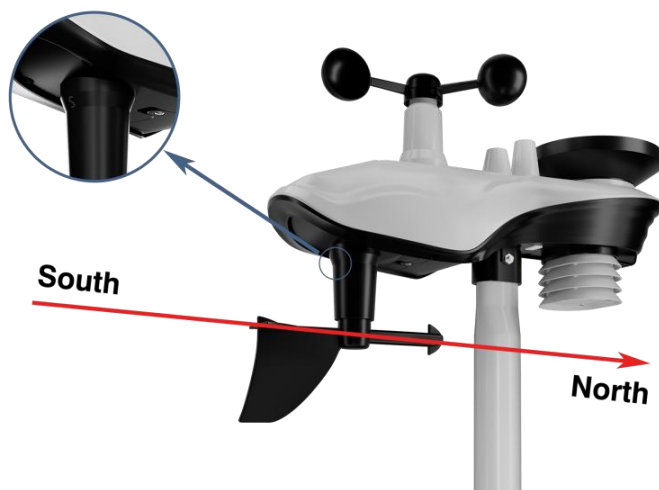
Northern Hemisphere



Southern Hemisphere

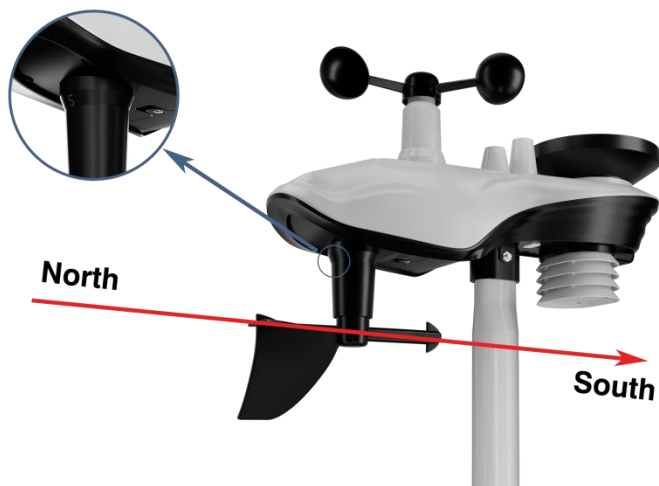
7.1 Northern Hemisphere Reference

- Use a compass to find SOUTH.
- Find the "S" mark on the sensor.
- Rotate the entire sensor assembly so "S" points SOUTH.
- Set the console region to NOR (Northern Hemisphere).



7.2 Southern Hemisphere Reference

- Use a compass to find NORTH.
- Find the "S" mark on the sensor.
- Rotate the entire sensor assembly so "S" points NORTH.
- Set the console region to SOU (Southern Hemisphere).



COMMON MISTAKE

Do not rotate only the wind vane. The entire sensor assembly must be oriented correctly.

7.3 Level the Sensor



Observe the bubble level next to the rain gauge to ensure the bubble is stable within the circle, keeping the sensor array completely level. If the sensor array is not level, the rain gauge will not measure accurately.

✓ CORRECT

Bubble centered inside the center circle.

✗ INCORRECT

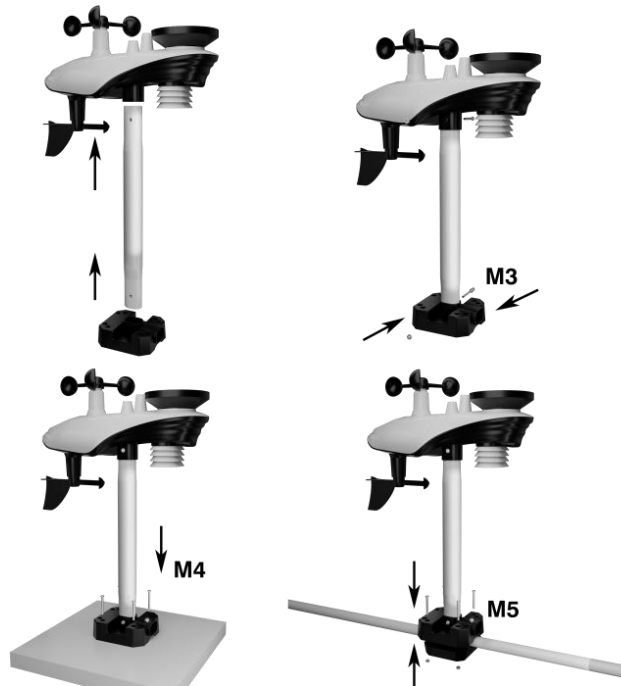
Bubble outside the center circle / sensor tilted.

WHY IT MATTERS

The supplied manual states that the sensor array should be level for accurate rainfall measurement.

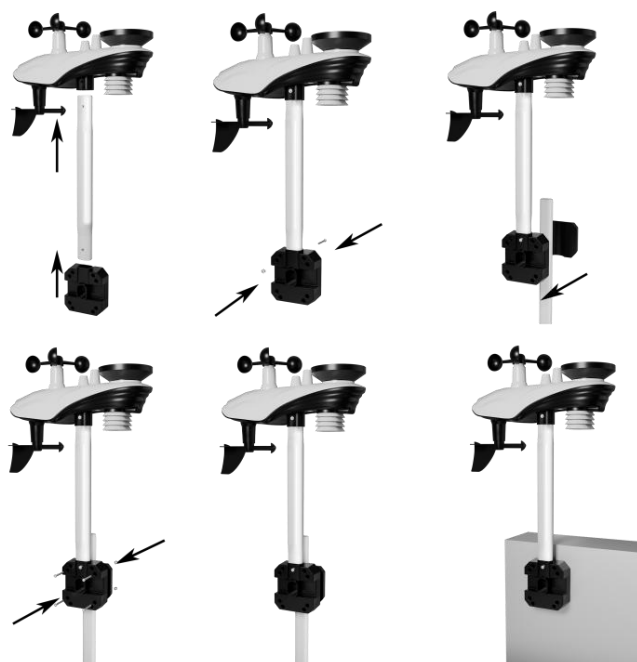
7.4 Mounting

7.4.1 Horizontal Mounting



Secure the sensor to the mounting bar/bracket with the supplied hardware, then secure the bar to a suitable support.

7.4.2 Vertical Mounting



Secure the sensor to the mounting bar/bracket and fasten the bar to the vertical support using the supplied hardware.

FINAL MOUNTING CHECK

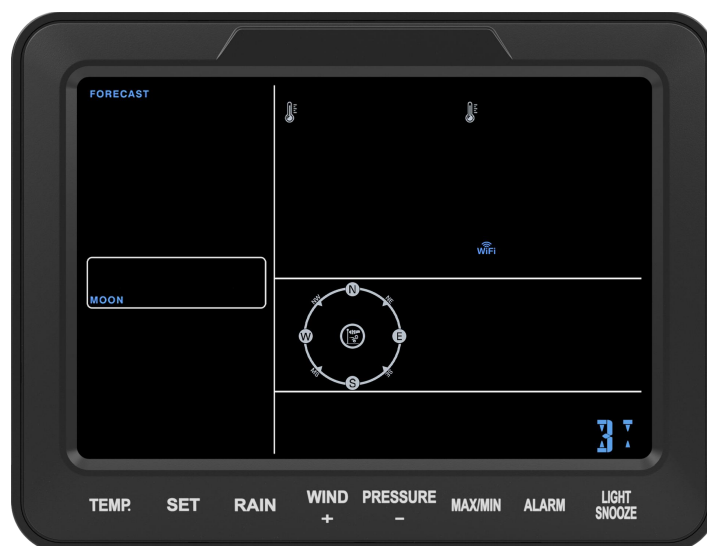
✓ Level ✓ Correct hemisphere ✓ “S” points South for NOR installation ✓ Battery door closed ✓ Hardware tight ✓ Console receiving data

8. Inercom App & Wi-Fi Setup

8.1 Before You Start

- Download the inercom app from the app store
- Phone Bluetooth ON.
- Phone Wi-Fi ON.
- Wi-Fi SSID and password ready.
- Console powered by the adapter.
- Outdoor sensor data is already visible on the console.

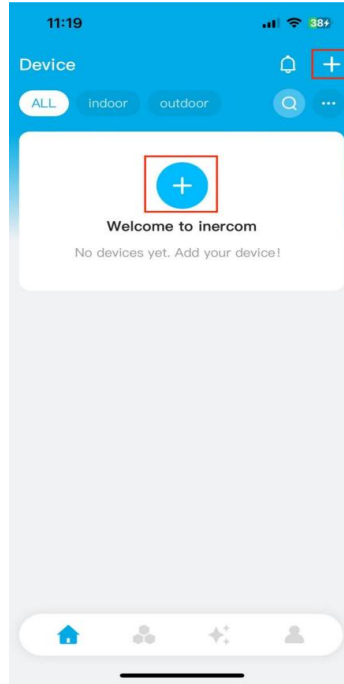
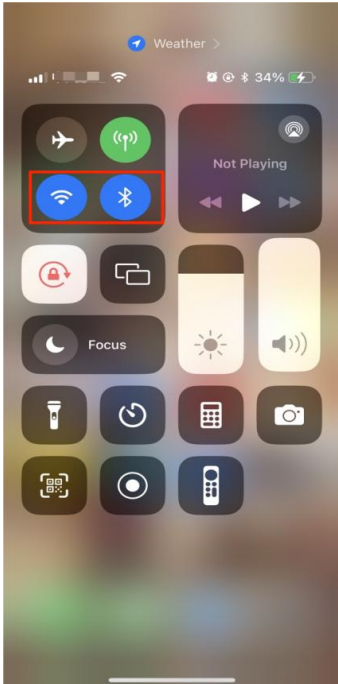
8.2 Enter Network Setup Mode



Press and hold **WIND+** for the network setup function described in the source manual.

8.3 Add the Station

1. Open the Inercom app and start adding the station.



2. Add Your Weather Station

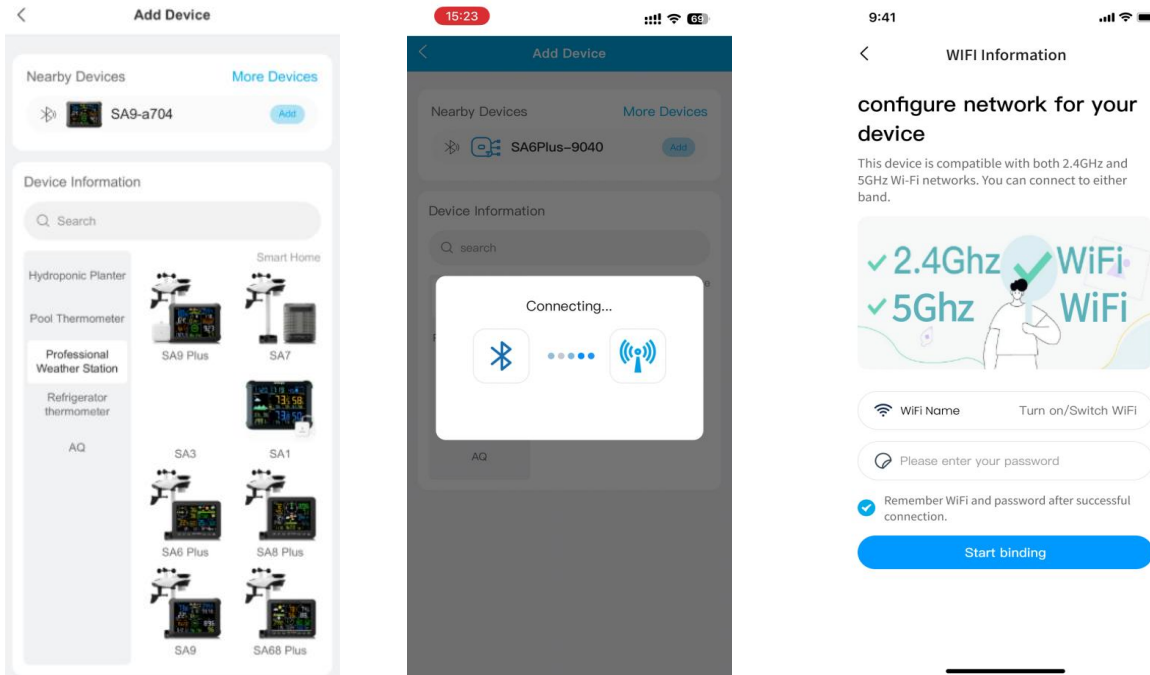
The app provides two ways to add your weather station.

Option 1 — Auto-Detect

Put the console into **Wi-Fi Configuration Mode**.

The app will automatically detect the device and display the **Device ID** at the top of the app screen.

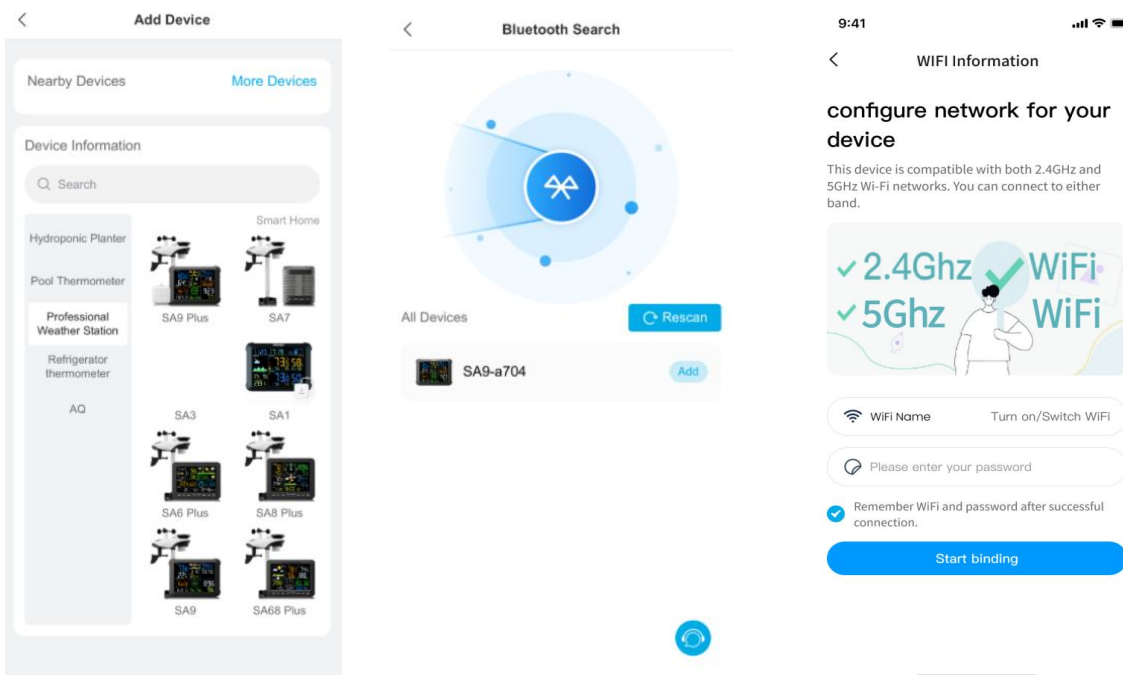
Tap "Add" to continue. Then select your Wi-Fi network and enter your password.



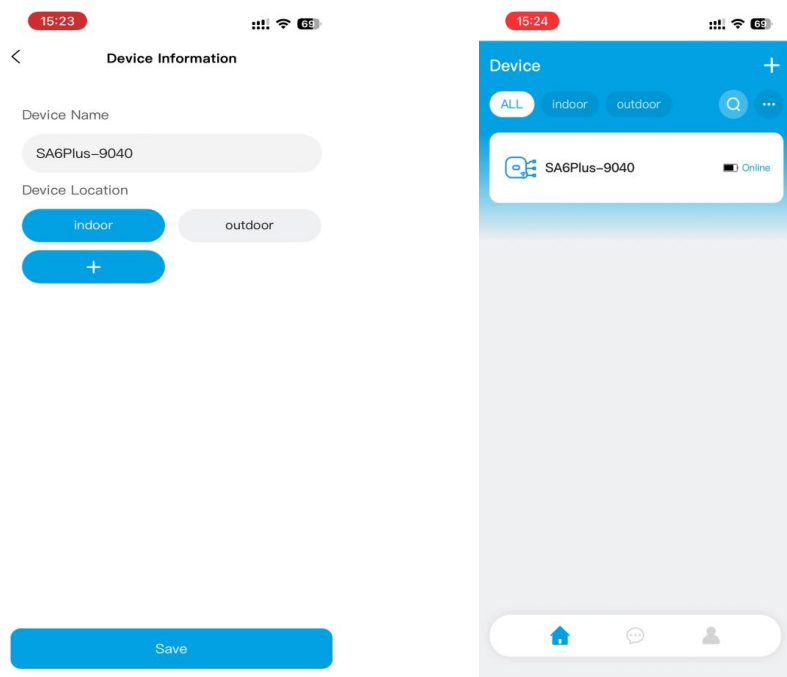
Option 2 — Select Your Model

If the device is not detected automatically:

1. Select your **weather station model** manually.
2. The app will enter **Bluetooth Search Mode**.
3. When your device appears, tap "**Add**".
4. The app will open the **Wi-Fi Connection** page.
5. Select your Wi-Fi network and enter your password.



3. Name the device and finish setup.



Wi-Fi NOTE:

Dual-band router supporting 2.4 GHz and 5 GHz bands.

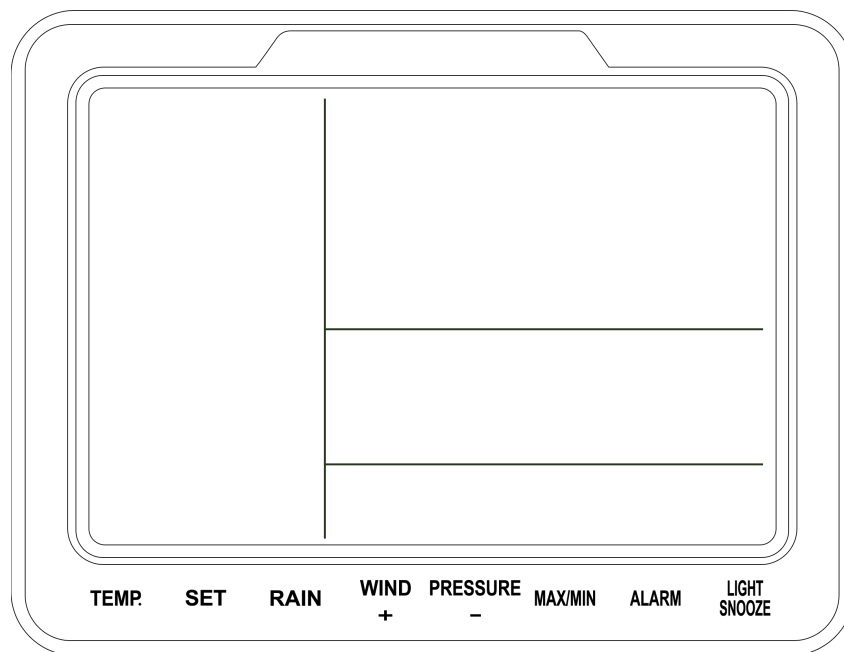
8.4 Wi-Fi Troubleshooting

What you see	Check first	Next action
App cannot find the station	Is the console in network setup mode?	Repeat the network-setup button sequence.
Password rejected	SSID/password exact?	Re-enter carefully.
Connected but no cloud data	Does the router have internet?	Wait for synchronization, then verify app settings.
Wi-Fi keeps dropping	Is the console far from the router?	Move the console closer during setup.
Still cannot connect	App/firmware current?	Check the latest production setup instructions before resetting.

9. Display & Buttons

9.1 Display Button

The display combines outdoor weather, indoor conditions, pressure, rainfall, wind, and related readings.

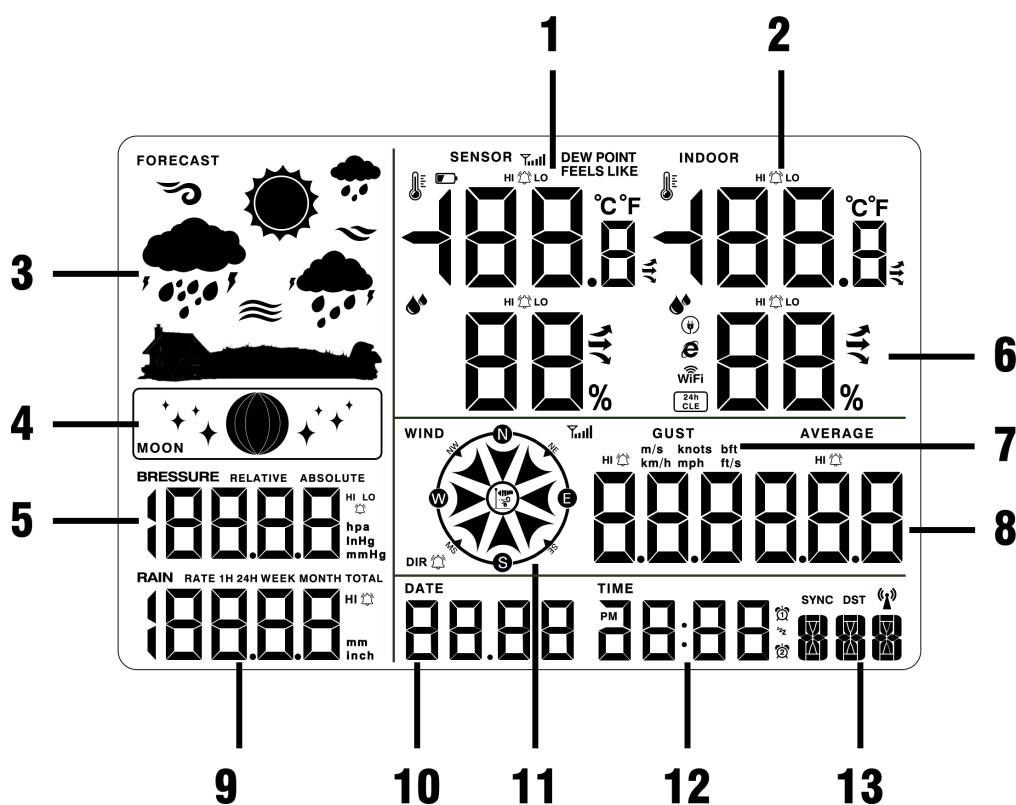


Key	Description
TEMP	1. Long press to pair the indoor and outdoor units 2. Click to switch (dew point, feels like, temp)
SET	1. Click to switch the displayed time (year, month, day, second, week) 2. Long press to enter the settings interface and click to switch to the next item
RAIN	1. Long press to clear rainfall 2. Click to switch rainfall display (1 h, 24 h, week, month, total)
WIND +	1. Long press to enter the network distribution, SET to switch to network distribution mode 2. Increase the value when setting parameters

PRESSURE -	1. Long press to view IP address 2. Click to switch to display pressure (REL/ABS) 3. Reduce the value when setting parameters
MAX/MIN	1. Click to enter the maximum/minimum value interface 2. Long press to display MAC address
ALARM	1. Long press to set alarm information 2. Click to enter the high alarm information interface, low alarm interface 3. Set alarm parameters, long press the alarm button to clear the data
LIGHT SNOOZE	1. In normal mode, click to adjust the backlight brightness 2. In the setting mode, click to return to normal mode 3. Long press to turn on or off the constant light mode

9.2 Display Console

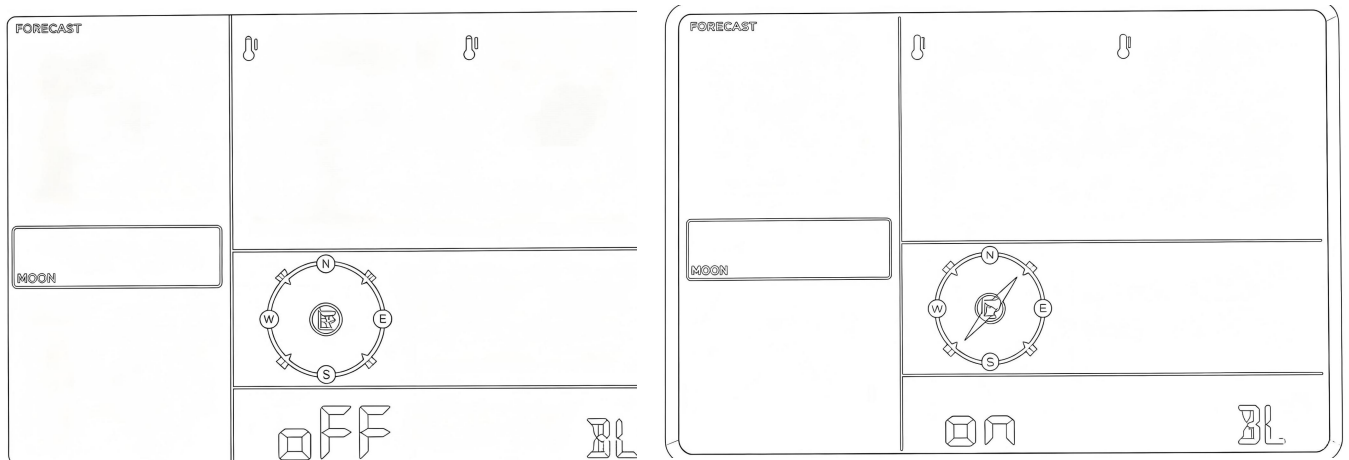
The following figure shows the layout of all the data on the display.



No	Description	No	Description
1	Outdoor Temperature	8	Average Wind Speed
2	Indoor Temperature	9	Rainfall
3	Weather Icon	10	Date
4	Moon Phase	11	Outdoor Humidity
5	Barometric Pressure	12	Wind Direction
6	Humidity	13	Week/Second
7	Wind Gust		

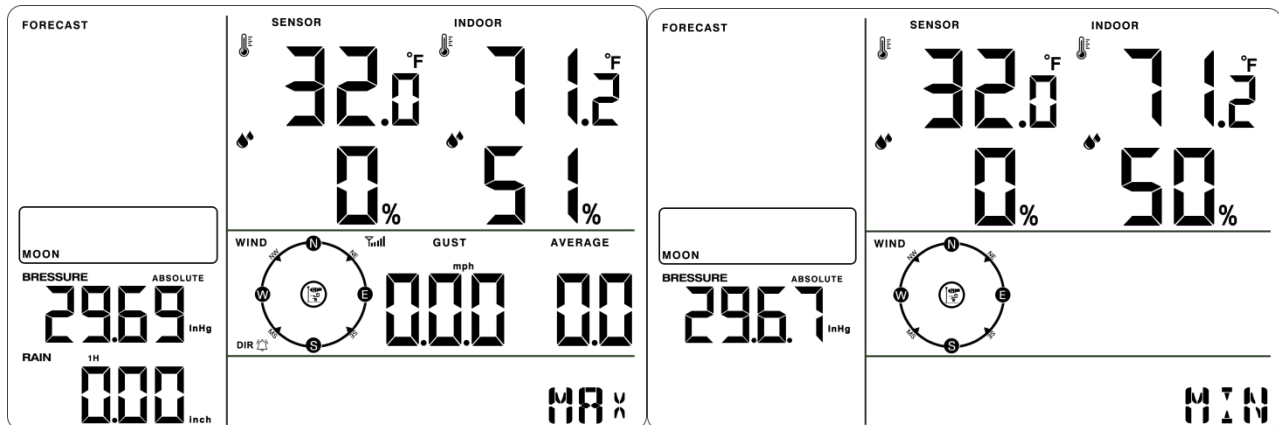
10. Everyday Use

10.1 Backlight



- Short press [SNOOZE] key to toggle the backlight between High, Low level, and off.
- Press and hold SNOOZE for continuous backlight on/off.

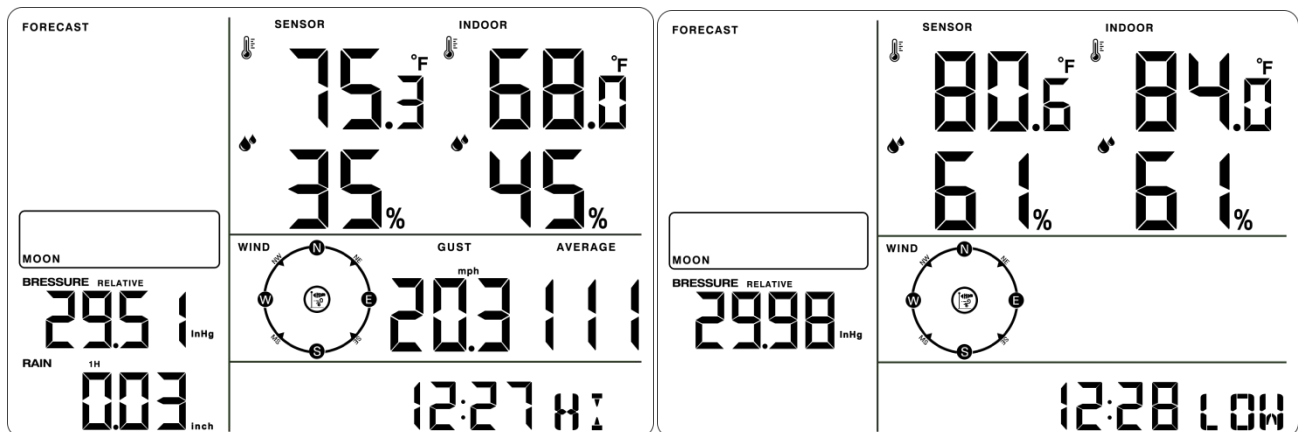
10.2 MAX / MIN



- Press MAX/MIN to view maximum readings.
- Press again to view minimum readings.
- Hold MAX/MIN to clear displayed max-min values.
- Press SNOOZE to exit max-min mode and return to normal display.

10.3 Alarms

10.3.1 Viewing High/Low Alarm Values



- Press ALARM to view High readings.
- Press again to view Low readings.
- Press SNOOZE to exit Viewing Alarm mode and return to normal display.

10.3.2 Alarm Trigger

When readings trigger an alarm, the alarm icon flashes and the buzzer sounds. Press any key to silence the buzzer.

10.3.3 Alarm Setting

Please follow the steps below to set the alarm value.

1. Press the ALARM key for at least 3 seconds to enter the alarm mode.
2. Next, press the SET key once, and the first alarm parameter will begin flashing (alarm hour). (Note: Press the SET key to switch parameters.)
3. Press the [+] or [-] key to increase or decrease the alarm settings.
4. Press the ALARM key to turn on (the alarm icon will appear) and off the alarm.
5. Press the SNOOZE/LIGHT key once at any time to return to the normal mode.

After 30 seconds of inactivity, the alarm mode will time out and return to the normal mode.

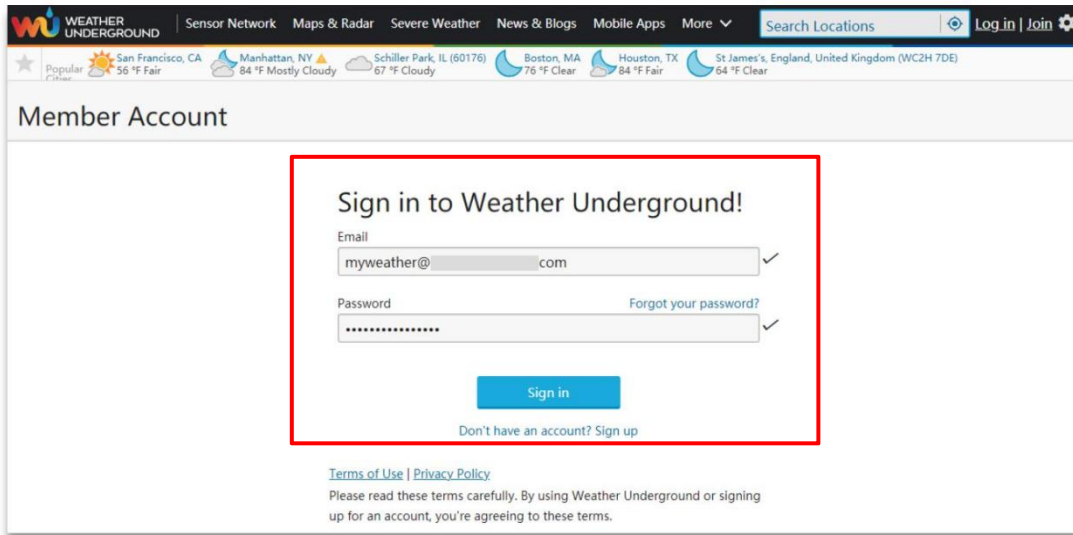
11. Weather Underground & Weathercloud

11.1 For Weather Underground (WU)

1. Visit the “<https://www.wunderground.com>” website. Click the “Join” button, input your e-mail and password, and select the “Sign up for free” button to create your own account.

A screenshot of the 'Join Weather Underground' form. The form includes fields for Email, Password (5-30 characters), and Confirm New Password. There is a checkbox for 'I agree to the Terms of Use' and a 'Sign up for free' button. A red rectangular box highlights the entire registration section, including the input fields and the terms checkbox.

2. Click the “Sign in” button to log in, and switch to the **Member Settings** page.



The image shows the Weather Underground Member Account sign-in page. At the top, there is a navigation bar with links for Sensor Network, Maps & Radar, Severe Weather, News & Blogs, Mobile Apps, and More. A search bar for locations is also present. Below the navigation bar, a row of popular cities is displayed with their current weather conditions. The main heading is "Member Account". A red box highlights the sign-in form, which includes the title "Sign in to Weather Underground!", an email input field with the placeholder "myweather@com", a password input field with a "Forgot your password?" link, and a "Sign in" button. Below the button is a link for "Don't have an account? Sign up". At the bottom, there are links for "Terms of Use" and "Privacy Policy", followed by a disclaimer about agreeing to terms.

WEATHER UNDERGROUND | Sensor Network | Maps & Radar | Severe Weather | News & Blogs | Mobile Apps | More | Search Locations | Log in | Join

Popular Cities: San Francisco, CA 56°F Fair | Manhattan, NY 84°F Mostly Cloudy | Schiller Park, IL (60176) 67°F Cloudy | Boston, MA 76°F Clear | Houston, TX 84°F Fair | St James's, England, United Kingdom (WC2H 7DE) 64°F Clear

Member Account

Sign in to Weather Underground!

Email
myweather@com ✓

Password
***** ✓ [Forgot your password?](#)

[Sign in](#)

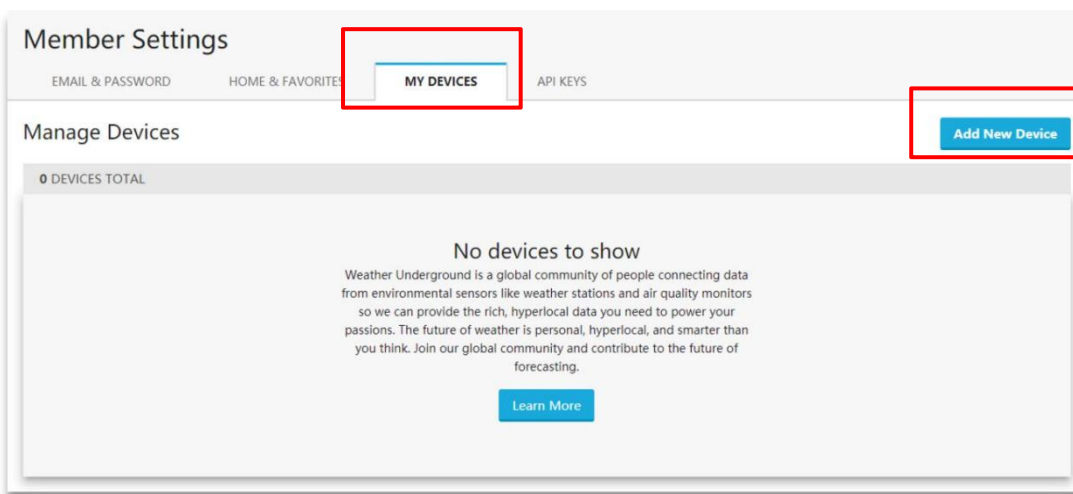
[Don't have an account? Sign up](#)

[Terms of Use](#) | [Privacy Policy](#)

Please read these terms carefully. By using Weather Underground or signing up for an account, you're agreeing to these terms.

3. Select the My Devices tab and click "Add New Device".

Note: On the "Add New Devices" page, set the "TYPE", "LOCATION", "DETAILS", and "DONE" pages step-by-step until 100% completed.



The image shows the Weather Underground Member Settings page. The "MY DEVICES" tab is selected and highlighted with a red box. Below the tabs, there is a "Manage Devices" section. A red box highlights the "Add New Device" button in the top right corner. The main content area shows "0 DEVICES TOTAL" and a message stating "No devices to show". The message explains that Weather Underground is a global community of people connecting data from environmental sensors like weather stations and air quality monitors. It encourages users to join the community and contribute to the future of forecasting. A "Learn More" button is located at the bottom of the message.

Member Settings

EMAIL & PASSWORD | HOME & FAVORITES | **MY DEVICES** | API KEYS

Manage Devices

[Add New Device](#)

0 DEVICES TOTAL

No devices to show

Weather Underground is a global community of people connecting data from environmental sensors like weather stations and air quality monitors so we can provide the rich, hyperlocal data you need to power your passions. The future of weather is personal, hyperlocal, and smarter than you think. Join our global community and contribute to the future of forecasting.

[Learn More](#)

4. On the **TYPE** page, click the "Personal Weather Station" drop-down list to select "Other".

Add a New Device

TYPE LOCATION DETAILS DONE

Select a Device Type

25%


Personal Weather Station
 Next


Outdoor Webcam
 Next

Cancel

5. On the **LOCATION** page, select the "**Address**" or "**Manual**" option, find and input your local position, then press "**Next**".

Add a New PWS

TYPE LOCATION DETAILS DONE

Set Device Name & Location

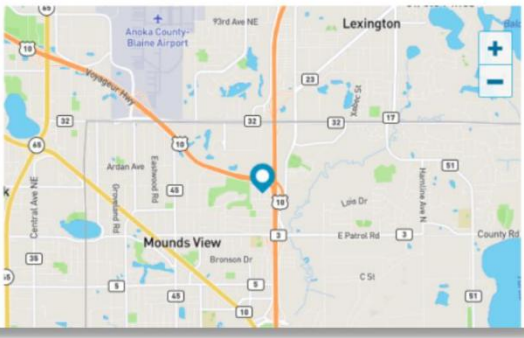
50%

Device Location:
☒ Address ☐ Manual

Your Location has been verified and added!

Elevation: 915 ft.
Lat, Lon: 45.114, -93.191
Neighborhood: Mounds View
Time Zone: America/Chicago

Back **Next**



6. On the **DETAILS** page, fill in the "**Required**" information, then press "**Next**".

Add a New PWS

TYPE LOCATION **DETAILS** DONE

Tell Us More About Your Device

75%

Name: (Required)
WS0001

Surface Type:
[Dropdown]

Elevation: (Required)
4905

Associate Webcam:
Select WebCams [Dropdown]

Device Hardware: (Required)
other [Dropdown]

Height Above Ground:
Ft. Above Ground [Text]

You Make Our Forecasts More Accurate, We Respect Your Privacy
Contribute to the Weather Underground community by sharing some information about yourself and your sensor. We use this information to manage your account and to improve the experience from the Weather Underground community. We may also share certain data for commercial purposes, such as your sensor location.
[Learn more about how we take your privacy seriously](#)

(Required)
☒ I Accept ☐ I Deny

Email Preferences:
☐ I would like to receive PWS notifications.

Back Next

7. On the **DONE** page, the device's "**Station ID**" and "**Station Key**" are shown. Copy and record the information for later use.

WEATHER UNDERGROUND | Sensor Network | Maps & Radar | Severe Weather | News & Blogs | Mobile Apps | More | Search Locations | My Profile

Recent Cities
Manhattan, NY

Add a New PWS

TYPE LOCATION DETAILS **DONE**

Registration Complete!

100%

Congratulations! Your personal weather station is now registered with Weather Underground.

Enter the information below to your weather station software.

Your PWS
Station ID: K[Redacted]1
Station Key: D[Redacted]d

Copy credentials

Configure Your Software

View Devices

8. Click to view the API keys.

Member Settings

[PROFILE](#)
[SUBSCRIPTION](#)
[HOME & FAVORITES](#)
[MY DEVICES](#)
[API KEYS](#)

Your API Key

.....

Expires: Fri, 24 May 2024 06:41:51 GMT

[Copy to Clipboard](#)
[Show Key](#)

☐ I agree to the [Terms of Service](#)

[Regenerate Key](#)

[Delete Key](#)

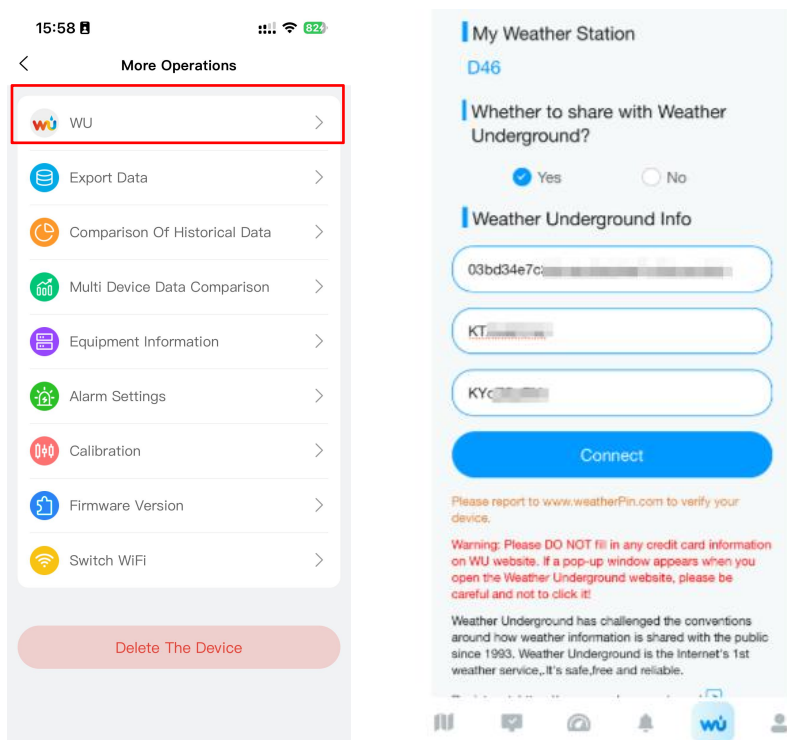
Ready to use your key?

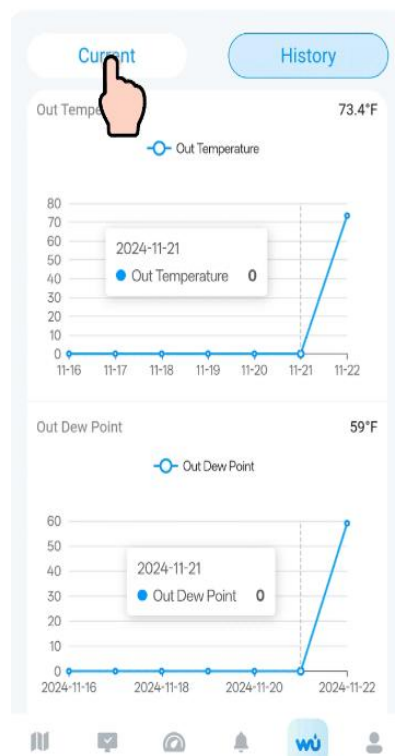
[View API Documentation](#)

9. After registration, please copy and paste the API KEYS, ID, and KEYS to the WU board. Due to the network speed problem, you may need to wait for a period of time (about 2-5 minutes) before data is synchronized.

After a successful connection, the weather station will be online at Weather Underground. If it is not online in time, please check the API keys.

ID and KEYS carefully to see if they are entered correctly. Please exit the app and re-enter to try again.





11.2 For Weathercloud (WC)

 **Note:** This is best done on a computer desktop or laptop.

1. **Visit :** <https://weathercloud.net/> and enter a username, email, and password (It is your login password for the website. It is not your email password. So no privacy will be exposed).

Check your email and click the verification link to activate your account.

The screenshot shows the Weathercloud website's sign-up page. The header includes the Weathercloud logo and navigation links: About us, Plans, Projects, Blog, FAQ, Home, Map, Sign in, and EN. The main content area features a large background image of a mountain range with the text 'Welcome to Weathercloud' and 'The easiest way to share your weather data with the world.' On the right, there is a 'Join us today' section with input fields for Username, Email, and Password, followed by a blue 'Sign up' button. Below the button, it states: 'By clicking Sign up, you agree to our [Terms of Service](#) and [Privacy Policy](#).'

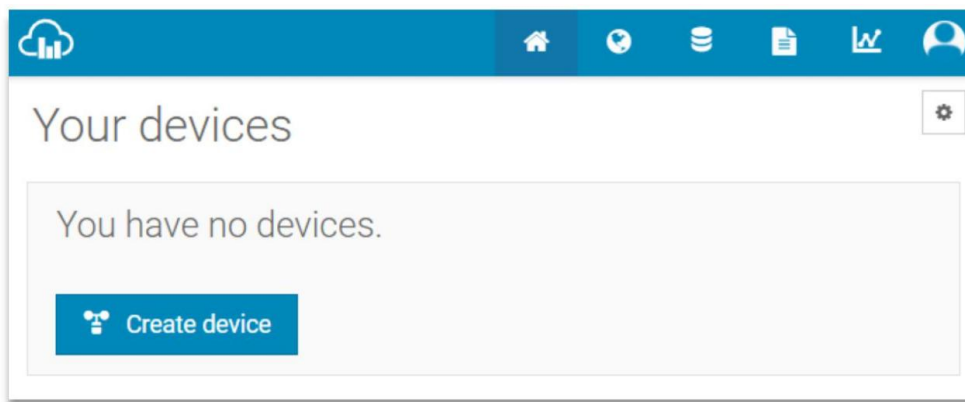
2. Create Device

Log in and click "**Create device**" in the top right corner.

Fill in the device information:

- Name: Name of your weather station
- Model: Select your device model (you can choose "**other**")
- Location: Pin your installation site on the map

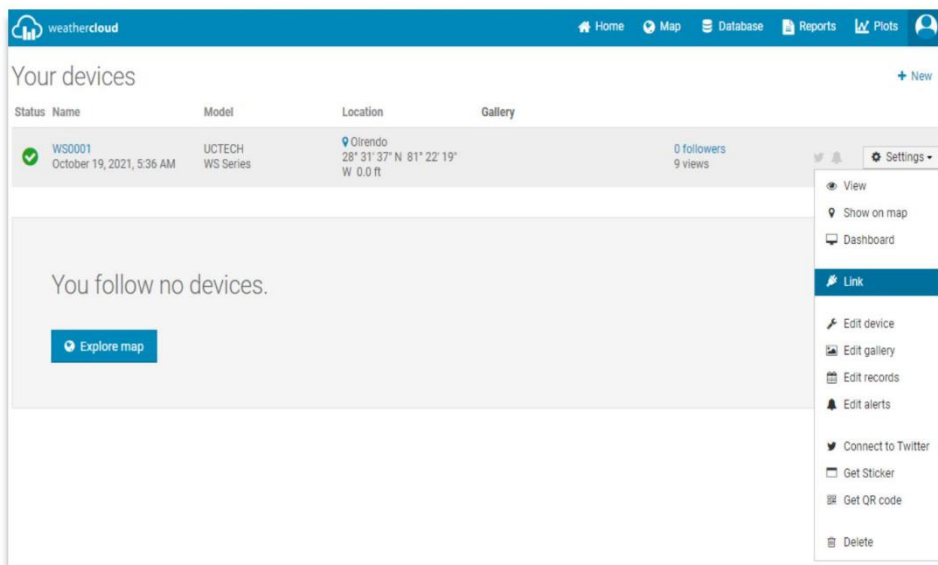
Click Create to save.



Basic information	Location
Name * SA68	Country * Select country
Model * Other	State / Province * Select state / province
Link type * Other	City *
Website www.example.com	Time zone * (UTC+00:00) UTC
Description	Coordinates Get coordinates Latitude * Longitude * Elevation 0.0 m Height 0.0 m

3. Get ID & Key

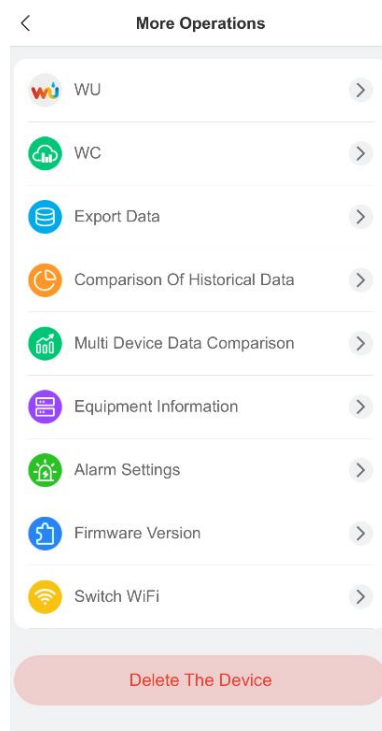
- Find your station in the device list and click **Settings -> Link**.
- Copy and save the **Weathercloud ID** and **Key**.

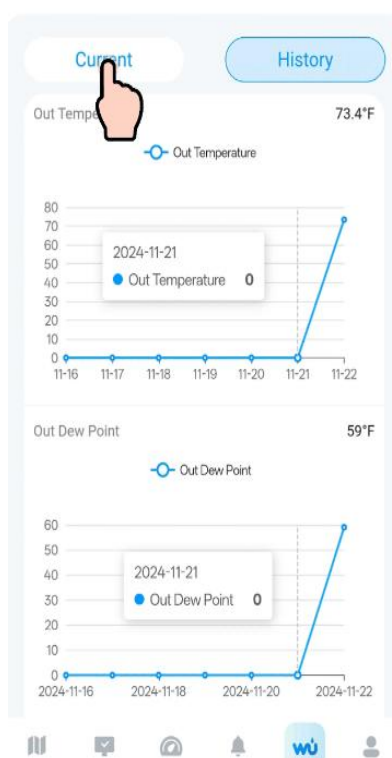
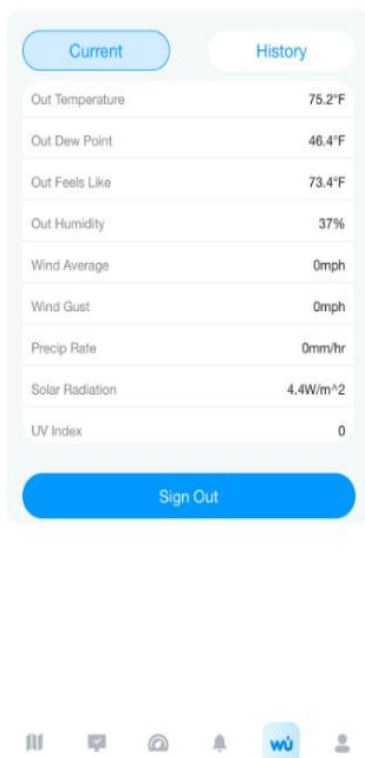


4. Configure Device/App

 **Note:** Please update your device to the **latest firmware**; otherwise, data will not be successfully uploaded to Weather Cloud.

Paste the copied Weathercloud ID and Key, then tap "**Connect**".





12. Settings & Calibration

12.1 Set mode

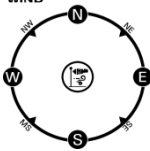
*[SET] + 3 seconds means press and hold the SET button for three seconds.

*[SET] means press the SET button.

Most users can leave these settings at their defaults. Use them only after basic setup is complete.

NO	Command	Mode	Settings	Image
1	[SET]+3 sec	Enter Set Mode, Beep On or Off	Press [WIND +] or [PRESSURE/-] to switch OFF and ON. This will prevent the beep from sounding when pressing any button	 

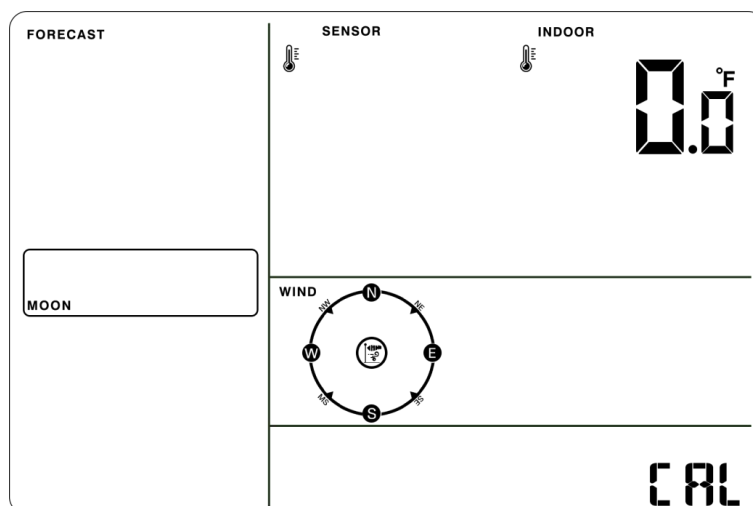
2	[SET]	Time SYNC	- Press the [WIND +] key or [PRESSURE/-] to toggle the synchronized time on/off. - Synchronize the device with the time and date via WiFi.	SYNC OFF
3	[SET]	DST	Press the [WIND +] or [PRESSURE/-] to toggle DST on/off.	DST OFF
4	[SET]	12/24-Hour Format	Press the [WIND +] or [PRESSURE/-] key to toggle between 12-hour and 24-hour.	12H
5	[SET]	Hour	Press the [WIND +] or [PRESSURE/-] key to adjust the hours up or down. The PM icon will be displayed during the afternoon hours.	TIME PM 5:43
6	[SET]	Minute	Press the [WIND +] or [PRESSURE/-] key to adjust the minutes up or down.	
7	[SET]	Date Format	Press the [WIND +] or [PRESSURE/-] key to toggle between M-D and D-M.	M-D DATE 11.30
8	[SET]	Month	Press the [WIND +] or [PRESSURE/-] key to adjust the calendar month.	
9	[SET]	Day	Press the [WIND +] or [PRESSURE/-] key to adjust the calendar day.	
10	[SET]	Year	Press the [WIND +] or [PRESSURE/-] key to adjust the calendar year.	2025

11	[SET]	MAX/MIN Clearing	The maximum/minimum value can be set to daily (midnight) or manually cleared. Press the [WIND +] or [PRESSURE/-] key to toggle between ON (24-hour clearing) and OFF (manual).	 
12	[SET]	Temperature Measurement Unit	Press the [WIND +] or [PRESSURE/-] keys to toggle between °F and °C measurement units.	
13	[SET]	Barometric Pressure unit	Press the [WIND +] or [PRESSURE/-] key to toggle the pressure unit between mm Hg, inHg, or hPa.	BARO inHg
14	[SET]	Rainfall Measurement Unit	Press the [WIND +] or [PRESSURE/-] key to toggle the rainfall unit between mm and inches.	RAIN inch
15	[SET]	Wind Speed Measurement Unit	Press the [WIND +] or [PRESSURE/-] key to toggle the wind speed unit between m/s, km/h, mph, knots bft, or ft/s.	WIND  mph
16	[SET]	Pressure Threshold Setting	Press the [WIND +] or [PRESSURE/-] key to change the pressure threshold from 2 hPa to 4 hPa.	BARO 2 hPa
17	[SET]	Weather Icon Settings	Press the [WIND +] or [PRESSURE/-] key to select the initial weather icon for a sunny, less cloudy, cloudy, or rainy day	

18	[SET]	Location Area (default value: Northern Hemisphere)	Press the [WIND +] or [PRESSURE/-] key to toggle the geographic location of the Northern Hemisphere (NOR) or Southern Hemisphere (SOU).	NOR
19	[SET]	Exit Setup Mode	Press the SET or LIGHT SNOOZE key to exit setup mode.	

12.2 Calibration mode

12.2.1 Calibration Settings



1. Press and hold the [TEMP] and [MAX/MIN] buttons at the same time for 3 seconds to enter calibration mode. The CAL icon will be displayed.

2. Press the SET key to switch.

3. Press the WIND+ key or PRESSURE- key to increase or decrease the temperature reading.

Press and hold the WIND+ key or PRESSURE- key for three seconds to quickly increase or decrease the temperature reading.

(After setting the data, please press the "SET" button to proceed to the next parameter setting. This will save the settings.)

4. Press the ALARM key to reset the current value.

5. Press the LIGHT SNOOZE to exit the mode.

12.2.2 Calibration Ranges

The following chart summarizes the calibration ranges allowed for weather stations.

Parameter	Range
Indoor Temperature	$\pm 9^{\circ}\text{F}$ ($\pm 5^{\circ}\text{C}$)
Outdoor Temperature	$\pm 9^{\circ}\text{F}$ ($\pm 5^{\circ}\text{C}$)
Indoor Humidity	$\pm 9\%$
Outdoor Humidity	$\pm 9\%$
Absolute Pressure	± 0.27 inHg
Relative Pressure	± 0.27 inHg
Wind Speed	0.5-1.5
Rainfall	0.5-1.5

13. Troubleshooting — What Do You See?

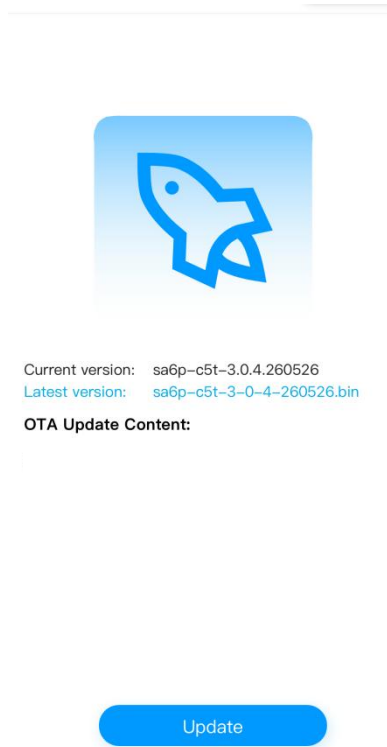
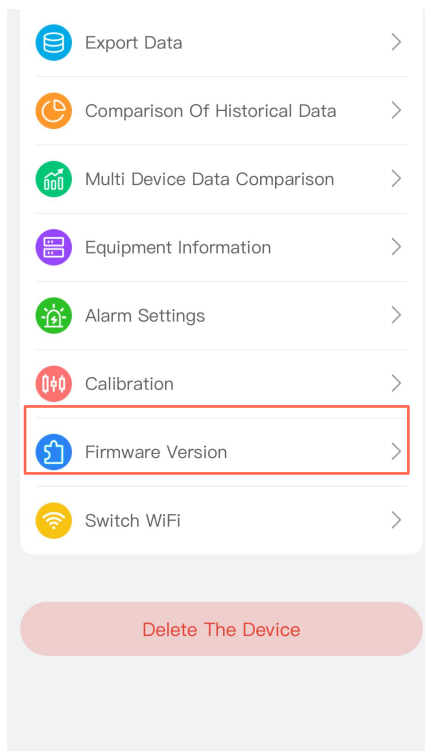
Symptom	Check First	Action
Outdoor temperature/humidity shows --.-	Batteries / pairing	Check outdoor batteries → repeat pairing → wait for the signal.
Wind direction is wrong	S/South + NOR/SOU	Check "S" points South → verify NOR/SOU → re-orient the entire sensor.
Rainfall is inaccurate	Bubble / funnel	Center the bubble → inspect the rain funnel → remove debris → verify units/history.
Display is blank	Power adapter / outlet	Reconnect power; check backup batteries.
Display is dim	Brightness setting	Press SNOOZE to cycle brightness.

App cannot connect	Bluetooth/Wi-Fi / setup mode	Bluetooth/Wi-Fi ON → network setup mode → correct SSID/password → verify production Wi-Fi requirement.
Forecast seems wrong	/	The forecast icon represents a future trend, not a live description of current conditions.
Online service is not updating	ID/Key / Internet	Verify Station ID/Key → confirm internet → allow synchronization → recheck credentials
App data sync delayed or refreshing slowly	Upload interval differences (Device & App sync times are separate)	Device and App upload on different cycles → pull down App screen to force sync → wait for the next reporting interval.
WiFi Connection unstable / Pairing failed	Router Dual-Band Smart Connect (2.4G & 5G combined)	Hybrid/Mesh routers may reject device on combined SSIDs → access router settings to separate 2.4G and 5G → reconnect to 2.4G Wi-Fi only.
SUPPORT TIP: When contacting support, send the model number, a photo/video of the problem, and the troubleshooting steps already completed.		

14. Maintenance

14.1 Firmware upgrade

When your app receives a firmware upgrade notification, follow the steps below to upgrade the firmware remotely.



14.2 Reset and Factory Reset

To reset the console to factory default settings (including Wi-Fi, weather server, and display settings), please follow these steps:

1. Remove the battery and disconnect the adapter to turn off the console power.
2. Connect the adapter and turn on the power.
3. When all layouts appear on the screen, simultaneously press and hold the MAX/MIN button for three seconds until the console startup process is complete.
4. Replace the battery.

14.3 Check the Outdoor Sensor

Periodically check that:

- The outdoor sensor is still level.
- The mounting hardware is tight and secure.
- The wind cups rotate freely.
- The wind vane moves freely.

- The rain collector is firmly attached.
- The sensor is still correctly oriented.

IMPORTANT: After strong winds or severe weather, inspect the mounting hardware and sensor orientation before relying on the readings.

14.4 Battery Replacement

Replace the outdoor sensor batteries when readings become intermittent or the sensor stops transmitting. Install 3 fresh AA batteries with the correct polarity.

15. Specifications

15.1 Wireless Specifications

Wireless transmission	Specifications
Outdoor sensor update frequency	60 sec
Outdoor Batteries	3 x AA size 1.5V batteries (not included) (Non-rechargeable Lithium batteries recommended)
Indoor Batteries	3 x AAA 1.5V batteries (not included)
Display Power	5V = 1.0A
Sensor array RF frequency	915 MHz (US)
Wi-Fi console RF frequency	2.4 GHz & 5 GHz
RF transmission range	442 ft (135 m) in open field

15.2 Measurement Specifications

Measurement	Range	Accuracy
Indoor temperature	0–60 °C (32–140 °F)	±0.2 °C / ±0.36 °F
Outdoor temperature	–40–60 °C (–40–140 °F)	±0.2 °C / ±0.36 °F
Indoor humidity	10–99% RH	± 1.8% RH

Outdoor humidity	10–99% RH	± 1.8% RH
Rainfall	0–9999 mm	0.3 mm / 1 mm; see source manual for accuracy
Wind direction	0–360°	1°
Wind speed	0–50 m/s	0.1 m/s

16.Support

Email: info@sainlogic.com

Website: www.sainlogic.com

Phone: +1 (888) 513-9823

Support hours shown in the supplied manual: Monday–Friday, 10 a.m.–6 p.m. Eastern Time.

17. Warranty Information

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

This limited warranty takes effect on the date of original purchase and is valid only for the product purchased and only for the original purchaser of this product. To obtain warranty service, the purchaser must contact us to determine the problem and service procedure.

Warranty service is provided solely by us. Please provide the original sales invoice (with the date shown) as proof of purchase if required.

Our warranty covers all defects in materials and workmanship except:

- (1) Damage caused by accident, unreasonable use, or neglect (lack of reasonable and necessary maintenance);
- (2) Damage caused by failure to follow the instructions in the user's manual;
- (3) Damage caused by self-repair or alteration;
- (4) Equipment not intended for personal use;
- (5) Applications and uses of this product that do not correspond to the intended use;

(6) The product is unable to receive signals due to any source of interference or metal obstruction;

FCC Statement

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC ID: 2BP5V-ZK101