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Sainlogic

sainlogic Weather Station App



Specifications

- Compatibility: iOS 12.0 or higher, Android devices
- Power Requirement: Power adapter
- Wireless Connectivity: Wi-Fi
- Range: Up to 16ft (5m)



Download the “Sainlogic” app in Google Play or Apple App Store.



Sainlogic iOS APP



Sainlogic Android APP

Sainlogic Weather APP



- Search the “Sainlogic” app on the Apple APP Store or Google Play Store and download into your iOS or Android Smart devices (Smart Phone or Tablet).
- **Note:** If you are using an iPhone or iPad, make sure IOS version is 12.0 or upper. If not please update accordingly.

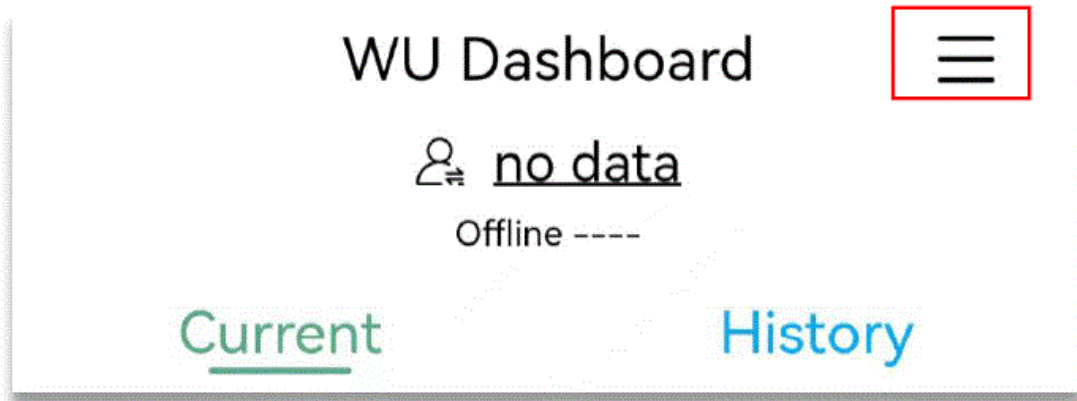
Console WiFi Configuration Via APP

- **Note:** Wi-Fi function only works when power adapter is plugged in.
- **Note:** Make sure Location Services(GPS) in your smart phone are ON, and Allow “Sainlogic” to use your location, otherwise wifi configuration can not be proceeded.

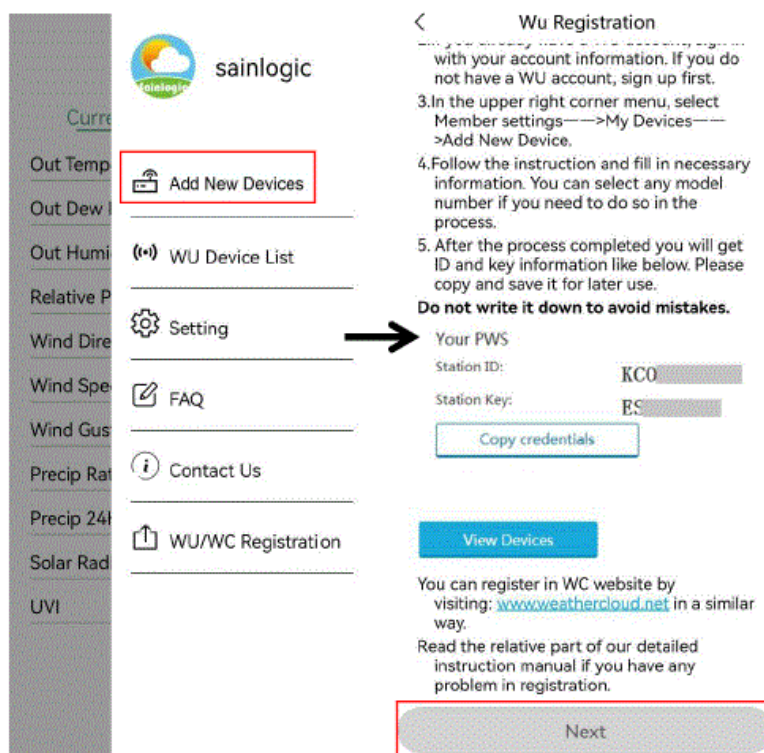
Add New Devices Via WiFi



1. Click the Home List and select the “Add New Devices”.



2. In WU Registration Page, follow the steps to sign in and add a new device. If you have any problem in these steps please refer to weather server registration in part 8. After the new device is created and Station ID and Key information is available, press “Next”.



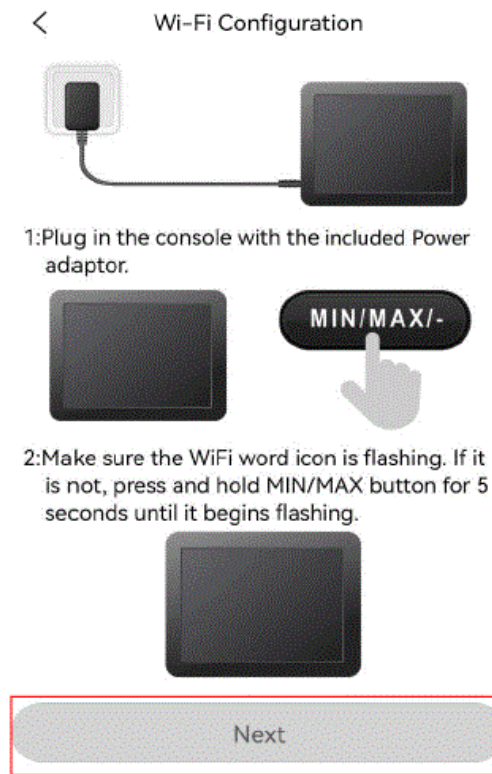
3. WiFi Configuration

Note: Power up the weather station console with adapter in this step, the WiFi icon



will flash to signify that it has entered WAP (wireless access point) mode, and is ready for WiFi settings.

Note: You can not connect two or more devices at the same time in WAP mode. After make sure the console is plugged in and wifi icon is flashing. Press “Next” button.



4. Click the “Setting” icon on the Smart phone, select the WLAN List, and connect to the “Sainlogic” WiFi. Follow the steps of the flash video in the App.

Note: Place the router and display console less than 16ft (5m) to ensure that the WiFi signal is stable.

Note: This “Sainlogic” network does not require any password, you can connect directly. If you are unable to connect, check if your firewall (router or windows system) stops unfamiliar network connections.



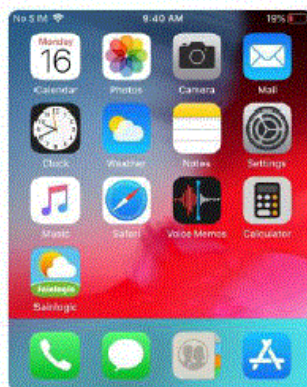
5. When the “Sainlogic” WiFi connected successfully, return back to APP and click the

“Check” button on Wi-Fi Configuration Page.

- If the “Sainlogic” WiFi connect successfully, it will display “Connected to the sainlogic device”.
- If the “Sainlogic” WiFi connect failed, it will display “Pls connect the sainlogic wifi device”.



Follow the below steps to connect to the console's Sainlogic-xxxxxx WiFi network, (Your console's WiFi network name may be slightly different, but will always begin with Sainlogic).



Link the SSID(such as Sainlogic-xxxxxx) with empty password.

Connected to the sainlogic device



next

Follow the below steps to connect to the console's Sainlogic-xxxxxx WiFi network, (Your console's WiFi network name may be slightly different, but will always begin with Sainlogic).



Link the SSID(such as Sainlogic-xxxxxx) with empty password.

Please connect the sainlogic wifi device!!!



check

6. In Wi-Fi Network Setup page, fill in all the information and click the “Save” button.

Setting

☰

Wi-Fi network setup

🔍

Select the menu and choose your 2.4 GHz WIFI router, or type in your router's name (SSID) above.

👁

Status: Connected
Connected IP: 192.168.10.95

→ Select your WiFi Router(SSID)
(Support only 2.4G Router)

→ Router's WiFi Password

→ Status Display "Connected IP"
When Connection Successfully

Weather Server Setup

Please paste the ID and key information. Do not write it down to avoid mistakes.

Upload wunderground.com

→ Enter Your WU Station ID

→ Enter Your WU Station Key

Upload weathercloud.net

→ Enter Your Weathercloud ID

→ Enter Your Weathercloud Key

Save

→ Press Save to Confirm the Setting

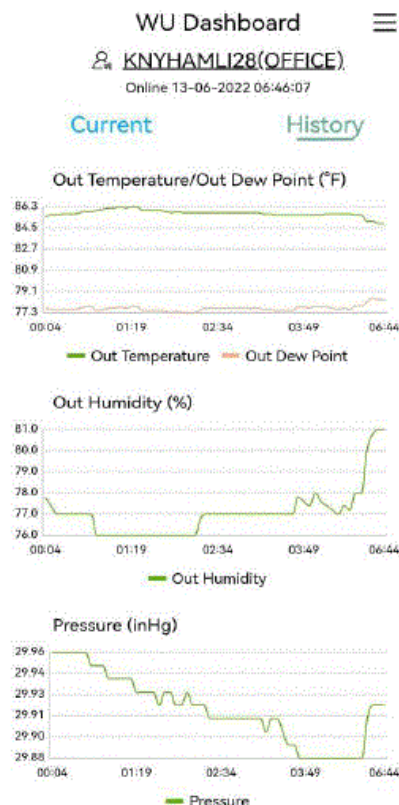
Note: You can fill in one or both of wunderground and weathercloud Station ID and key to upload the weather data.



Note: When Input station ID and key, copy and paste source text strictly (Take notice of space and upper or lower case of letters here).

Note: WLAN Networks with hidden SSIDS cannot be recognized for the “Network” entry. If the SSID of your WLAN is hidden, you will have to enter it manually.

7. After above set-up completed, go back to Home Page. The Current and History weather data will display after a while. (After the real-time data comes out, it takes 1-5 minutes for historical data to be available)

WU Dashboard	
KNYHAML128(OFFICE)	
Online 13-06-2022 06:45:07	
Current	History
Out Temperature	84.9 °F
Out Dew Point	78.4 °F
Out Humidity	81 %
Relative Pressure	29.91 inHg
Wind Direction	NW 315 °
Wind Speed	0.0 mph
Wind Gust	0.7 mph
Precip Rate	0 inch/hr
Precip 24H Total	0 inch



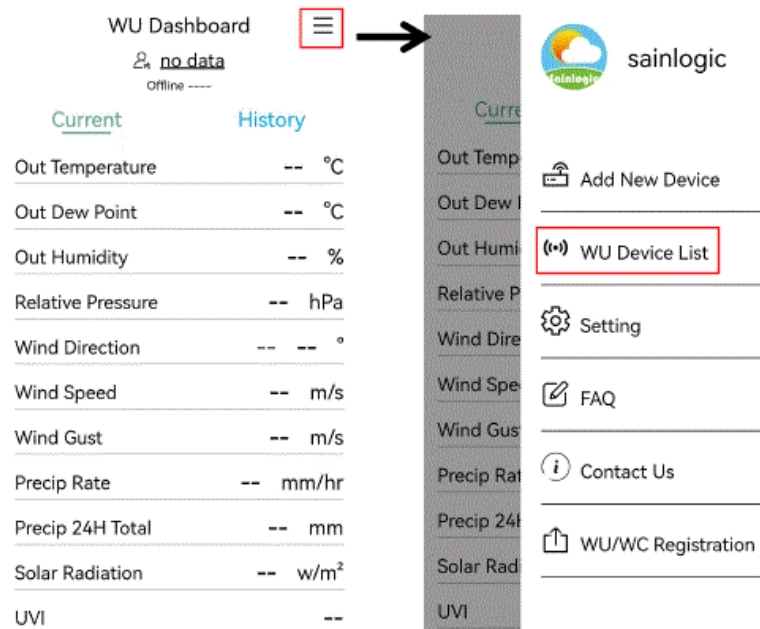
8. Once WiFi network and Weather Server Setup page connected successfully, disconnect sainlogic wifi and connect your home router wifi, the indoor display console wifi icon  and  icon will display solid for weather data uploading to weather server.

Other Features on Weather APP

Add Existed WU Device

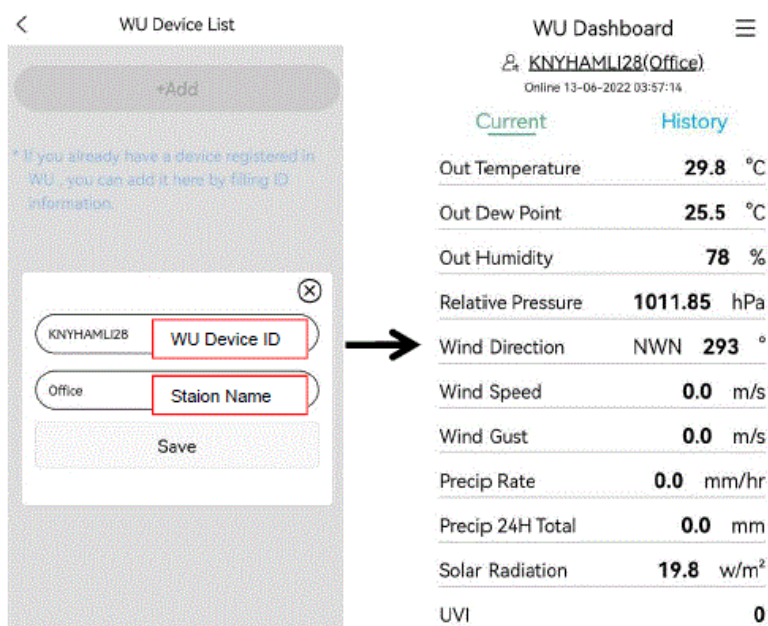
Add Existed WU Device: If you already have a sainlogic weather station which has been registered with a WU Station ID, you can add it in this App for data view.

1. Click the home List and select the "WU Device List".

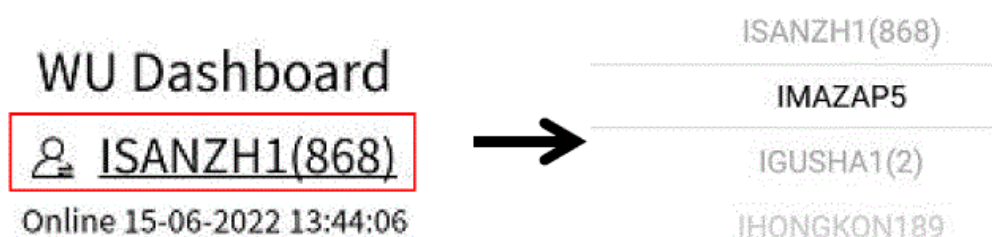


2. Input the WU Station ID and Station Name, click the “Save” button and the WU weather data will display.

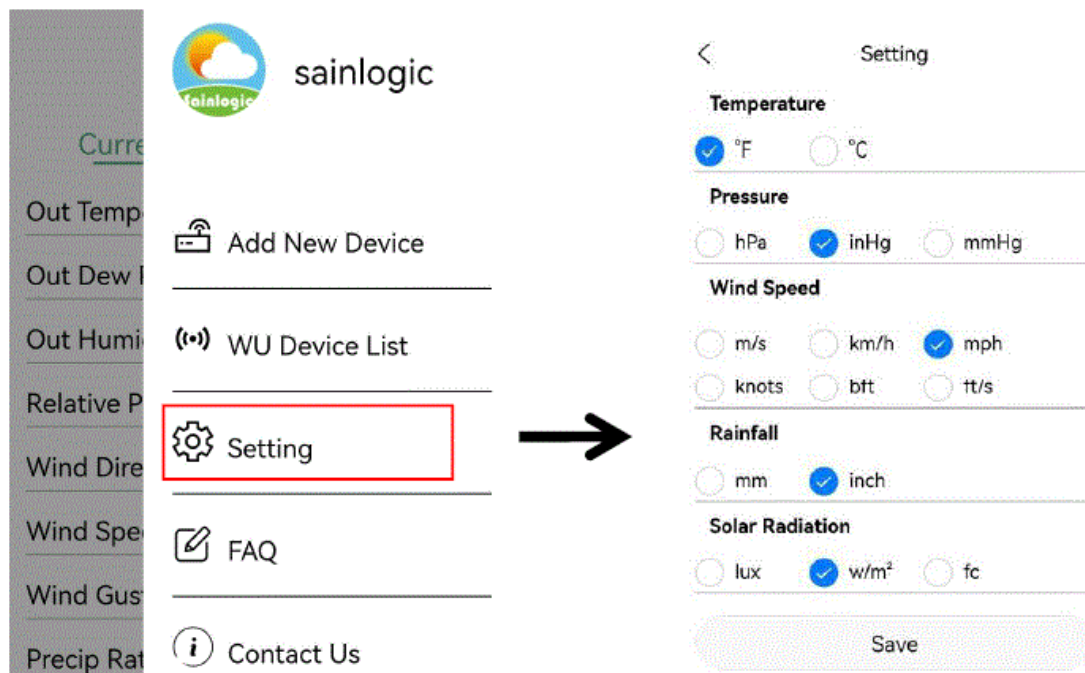
- **Note:** The station name is optional, you can leave it empty or fill in any name such as room, office, etc.



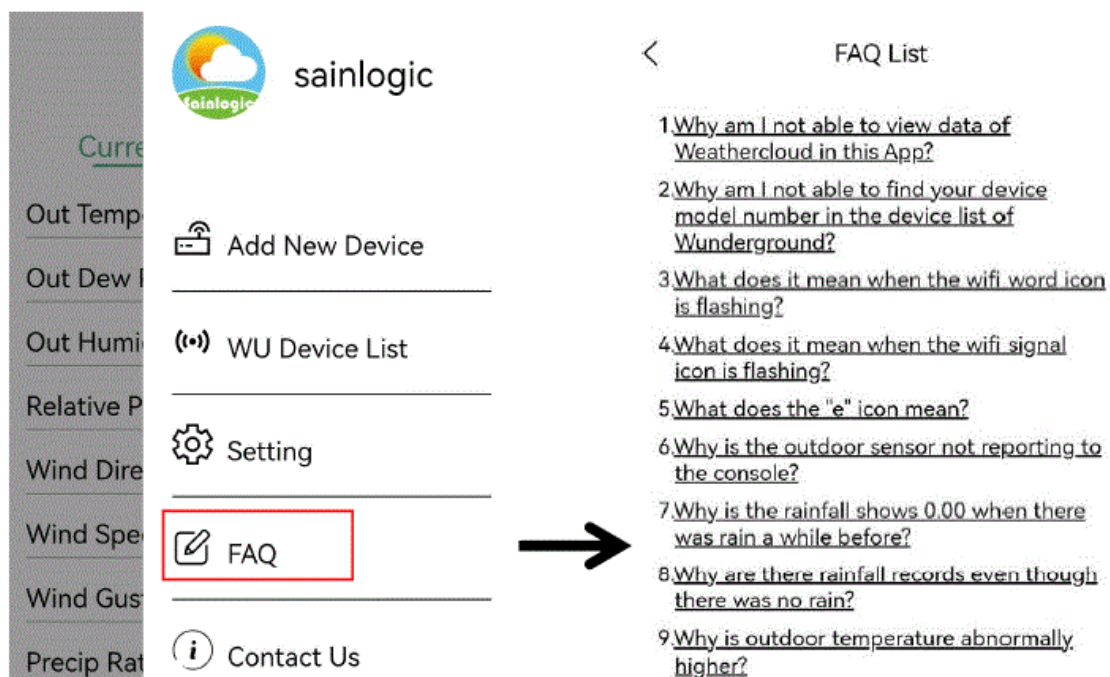
- **Note:** If you have added more than one WU devices, click the WU device below to easily select other devices in the list.



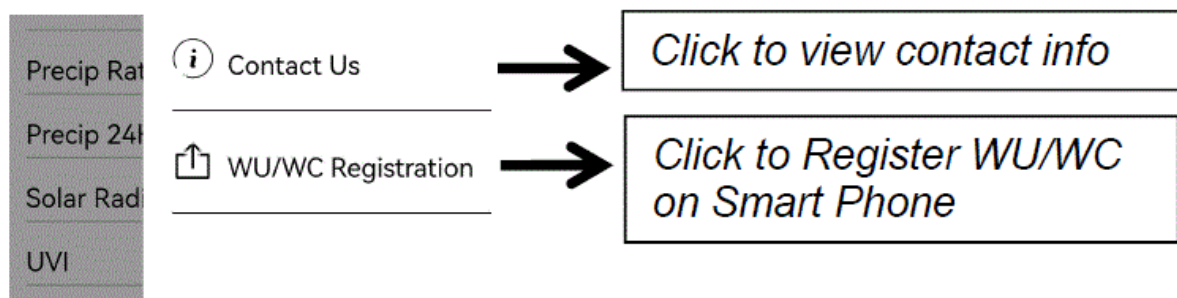
Weather Parameters Unit Set



FAQ (Trouble Shooting)



Contact Us



Console Wifi Configuration Via Webpage

You can complete wifi configuration by webpage as well if you do not want to download an App.

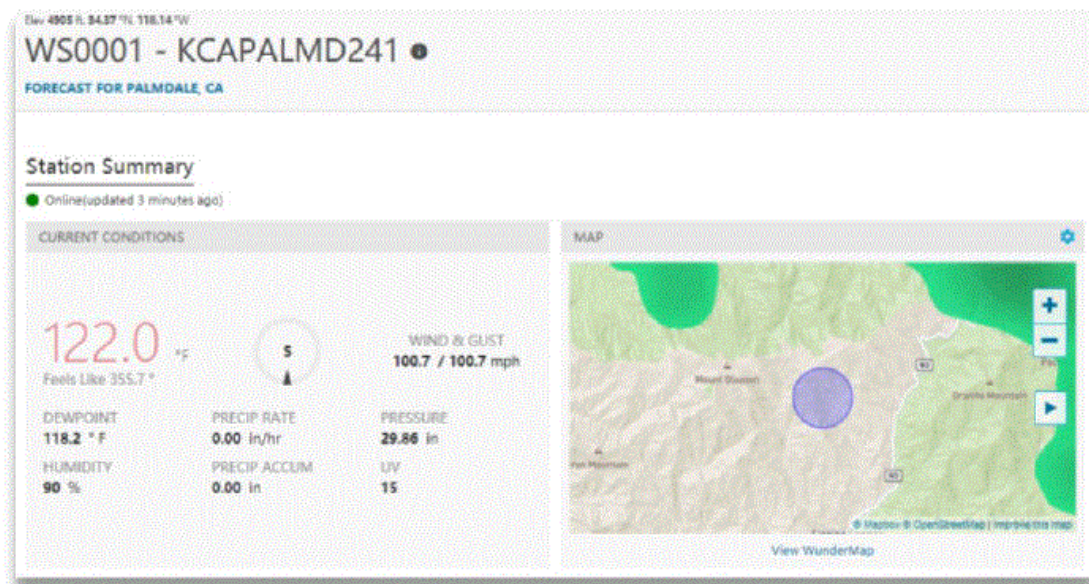
1. Power up the display console with an adapter.
2. Make sure that the WiFi icon is flashing on the console.(If the WiFi icon remains on solidly, long-press Min/Max key for 3 seconds and the wifi icon will flash again)
3. Open WLAN list in your laptop (smart phone or Ipad) and select the “Sainlogic” WiFi.
(This network does not require any password, you can connect directly)
4. When the “Sainlogic” WiFi is connected successfully, input the IP address <http://192.168.5.1> into any browser, and the “WiFi Network Setup” Page will display
(Same as APP “WiFi Network Setup” page).
5. Select your home 2.4G router WiFi and input the password. Fill in with WU/WC device ID and Key.
6. Save the “WiFi Network Setup” Page and the status display “Connected IP”, then the console WiFi connection succeeds.
7. Disconnect Sainlogic wifi and connect your home router wifi. The console wifi icon and “e” icon will display solid for weather data uploading to WU/WC web page .

Note: Sometimes you need to wait about 30 minutes to see the updated data online.

View the Weather Data Via Webpage







Log into <https://www.wunderground.com/> with previously registered Email and Password.

Or Visit: <https://www.wunderground.com/dashboard/pws/STATIONID>, where STATIONID is your weather station ID (example, KCAPALMD241).



Note: Any issues about WU/WC registration process, you can contact WU/WC support or us.

WiFi Connection Status

-  **WiFi icon is always on:** The display console is connected with your WiFi router.
-  **WiFi icon keep flashing:** WiFi signal is not stable or the display console is trying to connect the router.
-  **WiFi icon is gone:** The display console is not connected to the WiFi router. (Press the Min/Max key for 3 seconds and re-plug the power adapter at the same time to reset, the WiFi icon will flash again)
- When the console successfully connects to your any website of weather servers, the data signal icon  will appear on the LCD display.
- If the data signal icon  stay on, the weather station display console is currently uploading to the server. If the icon  disappears, the console is not connected to the weather server for more than 30 minutes.

Time Server Sync Status

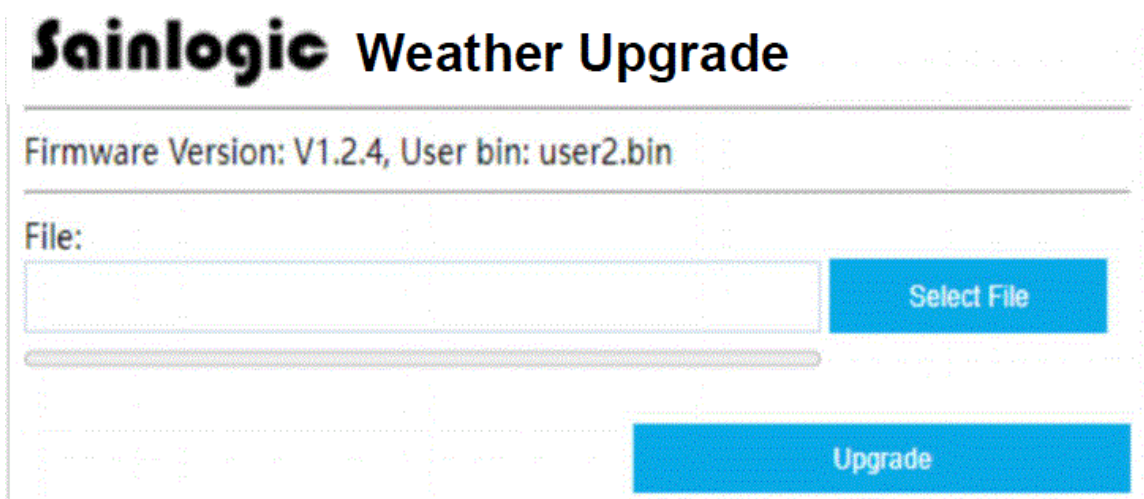
After the display console has connected to the internet, it will automatically connect the internet time server to obtain the time. Once the connection succeeds and the console's

time has updated, the SYNC icon will appear on the LCD.

Display Console Firmware Upgrade

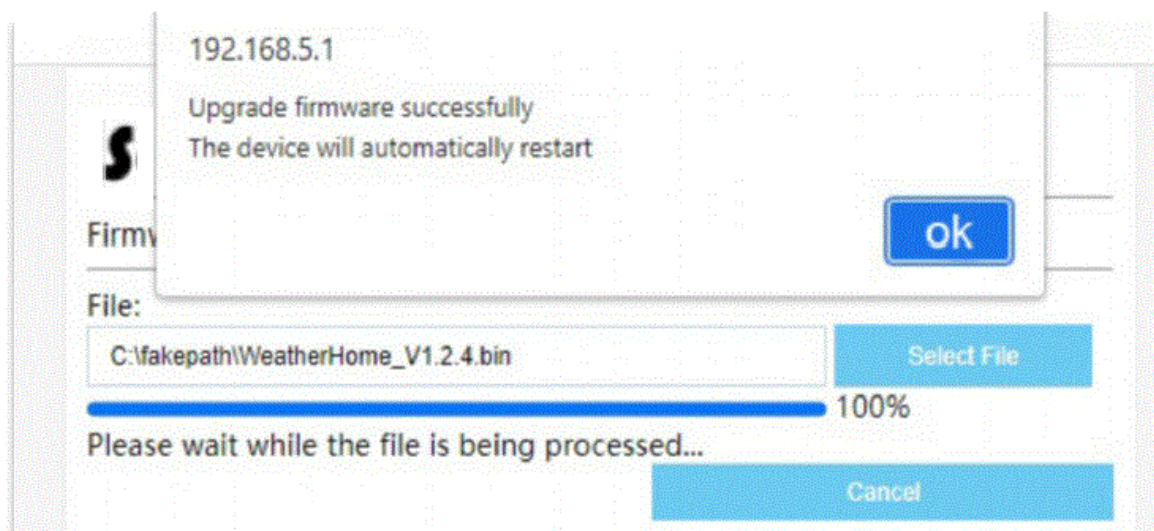
You may get the latest firmware of the console and upgrade as below.

1. Connect the Display Console Sainlogic WiFi first on laptop, or Smart devices.
2. Once WiFi connected, enter the following IP address into the browser's address bar: <http://192.168.5.1/upgrade.html>, the following website page will be displayed on your browser.



The screenshot shows a web browser window with the title "Sainlogic Weather Upgrade". Below the title, it displays "Firmware Version: V1.2.4, User bin: user2.bin". There is a "File:" label followed by a text input field and a blue "Select File" button. Below the input field is a progress bar. At the bottom right, there is a large blue "Upgrade" button.

3. Click "Select File" button and select the binary file (extension ".bin") intended for updating your display console.
4. Click "Upgrade" and start to update. Once the process has been successfully completed, a prompt page will remind you that the WiFi firmware will automatically restarted.



The screenshot shows the same web browser window as before, but now it displays a success message: "192.168.5.1 Upgrade firmware successfully The device will automatically restart". There is a blue "ok" button. Below the message, the "File:" label is followed by a text input field containing "C:\fakepath\WeatherHome_V1.2.4.bin" and a blue "Select File" button. Below the input field is a progress bar that is filled with blue and labeled "100%". At the bottom, there is a blue "Cancel" button.

Note: In this upgrade process, only update the WiFi firmware, the console doesn't reset.

Weather Server Registration

Note: If you already have a Wunderground or Weathercloud account, you can skip this step and create “New Device” directly.

Sign up on [Wunderground.com](https://www.wunderground.com)

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

Search Locations | Log in | **Join**

Member Account

Join Weather Underground

- Choose adding your webcam or personal weather station.
- You can delete your account at any time from your member settings.

The Weather Company needs your email to create your Weather Underground account.

Email: myweather@com ✓

Password (5-30 characters): Show ✓

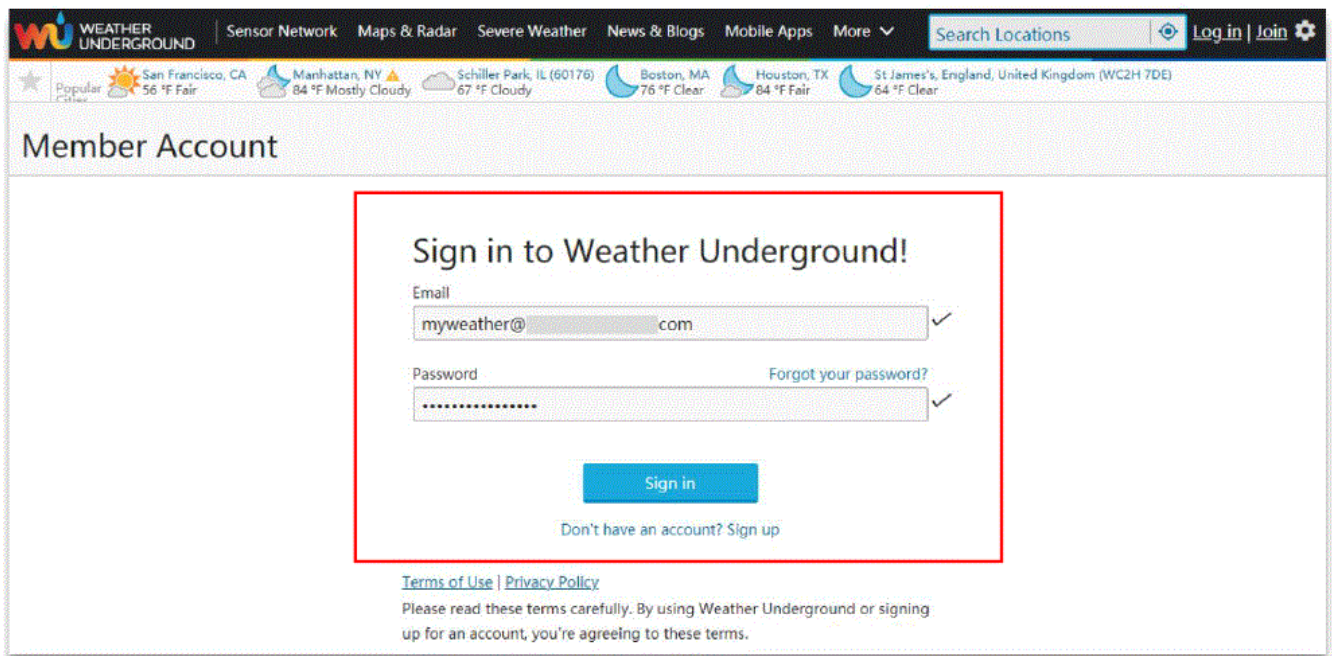
Confirm New Password:

☒ I agree to the Terms of Use

Sign up for free

[Already have an account? Sign in](#)

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



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
 ✓

Password [Forgot your password?](#)
 ✓

[Sign in](#)

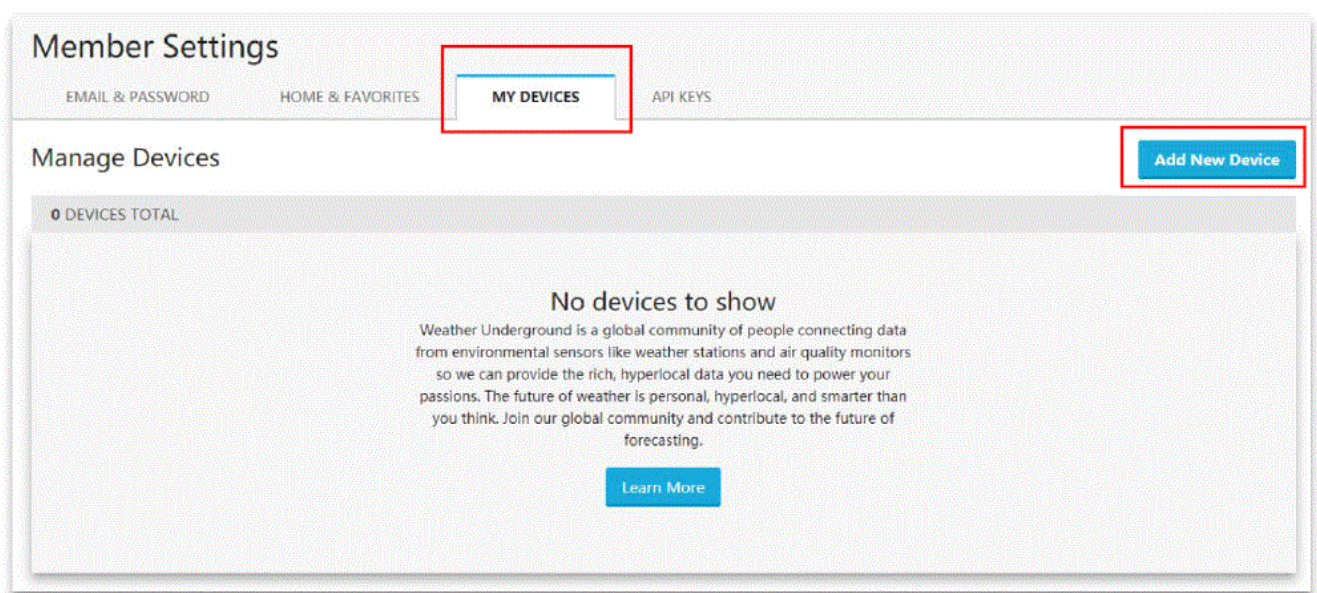
[Don't have an account? Sign up](#)

[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 My Devices tab and click “Add New Devices”.

Note: In “Add New Devices” page set the “TYPE”, “LOCATION”, “DETAILS” and “DONE” page step by step until 100% completion .



Member Settings

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

Manage Devices

[Add New Device](#)

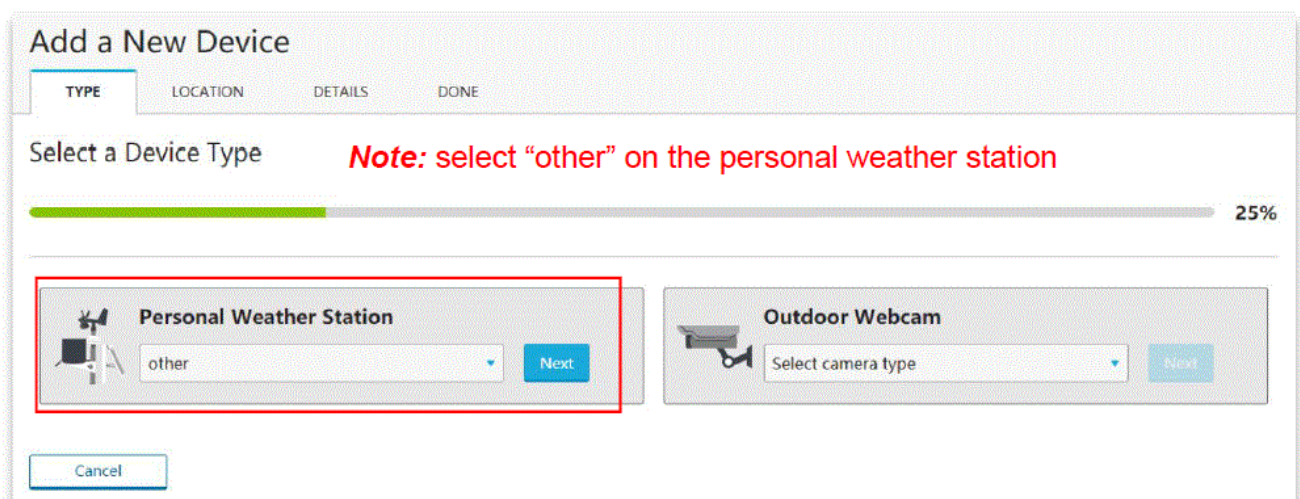
0 DEVICES TOTAL

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. In TYPE Page, click “Personal Weather Station” drop-down list to select “Other”.



Add a New Device

TYPE | LOCATION | DETAILS | DONE

Select a Device Type **Note: select “other” on the personal weather station**

25%

Personal Weather Station

other [Next](#)

Outdoor Webcam

Select camera type [Next](#)

[Cancel](#)

5. In LOCATION Page, Select “Address” or “Manual” Option, find and input your local

position and press “Next”.

Add a New PWS

TYPE LOCATION DETAILS DONE

Set Device Name & Location

50%

Device Location:

☒ Address ☐ Manual

Mounds View

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. In DETAILS Page , Fill in the “Required” information and Press “Next”.

Add a New PWS

TYPE LOCATION DETAILS DONE

Tell Us More About Your Device

75%

Names (Required)

WS0001

Surface Type:

Elevation (Required)

4905

Associate Webcam:

Select WebCams

Device Hardware (Required)

other

Height Above Ground:

Ft. Above Ground

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. In DONE Page, the device “Station ID” and “Station Key” are shown, copy and record the information for late use

The screenshot shows the 'Add a New PWS' page on the Weather Underground website. The page has a navigation bar at the top with links like 'Sensor Network', 'Maps & Radar', 'Severe Weather', 'News & Blogs', 'Mobile Apps', and 'More'. Below the navigation bar, there's a section titled 'Add a New PWS' with tabs for 'TYPE', 'LOCATION', 'DETAILS', and 'DONE'. The 'DONE' tab is selected, and a green progress bar indicates 'Registration Complete! 100%'. A message says 'Congratulations! Your personal weather station is now registered with Weather Underground.' Below this, it says 'Enter the information below to your weather station software.' A red box highlights the 'Your PWS' section, which contains 'Station ID: K[redacted]I' and 'Station Key: D[redacted]d', along with a 'Copy credentials' button. To the right, there's an illustration of a computer monitor and keyboard with the text 'Configure Your Software'. At the bottom left, there's a 'View Devices' button.

Sign up on Weathercloud.net

1. Visit the <https://www.weathercloud.net> website, input a Username, Email and Password, and click the “Sign up” button to create a free and new 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. On the left, it says 'Welcome to Weathercloud' and 'The easiest way to share your weather data with the world.' On the right, there's a 'Join us today' section with a sign-up form. The form has three input fields: 'Username', 'Email', and 'Password', each with a red underline. Below the fields is a blue 'Sign up' button.

2. Check your registered email to activate your account.
3. Sign in to your account and click “Create device”.
4. Fill in all the required “Red Star” part and click “Create” **Note:** Select “other” in Model list and any link type.

Create new device

[< Back](#)

Basic information

Location

Note: Select "other" in Model list and any link type

Name * WS0001

Country * United States

Model * WS Series

State / Province * New York


Link type * Weather Setup

City * New York

Website www.example.com

Time zone * (UTC-04:00) New York

Coordinates

 Get coordinates

Latitude * 40.71277625634872

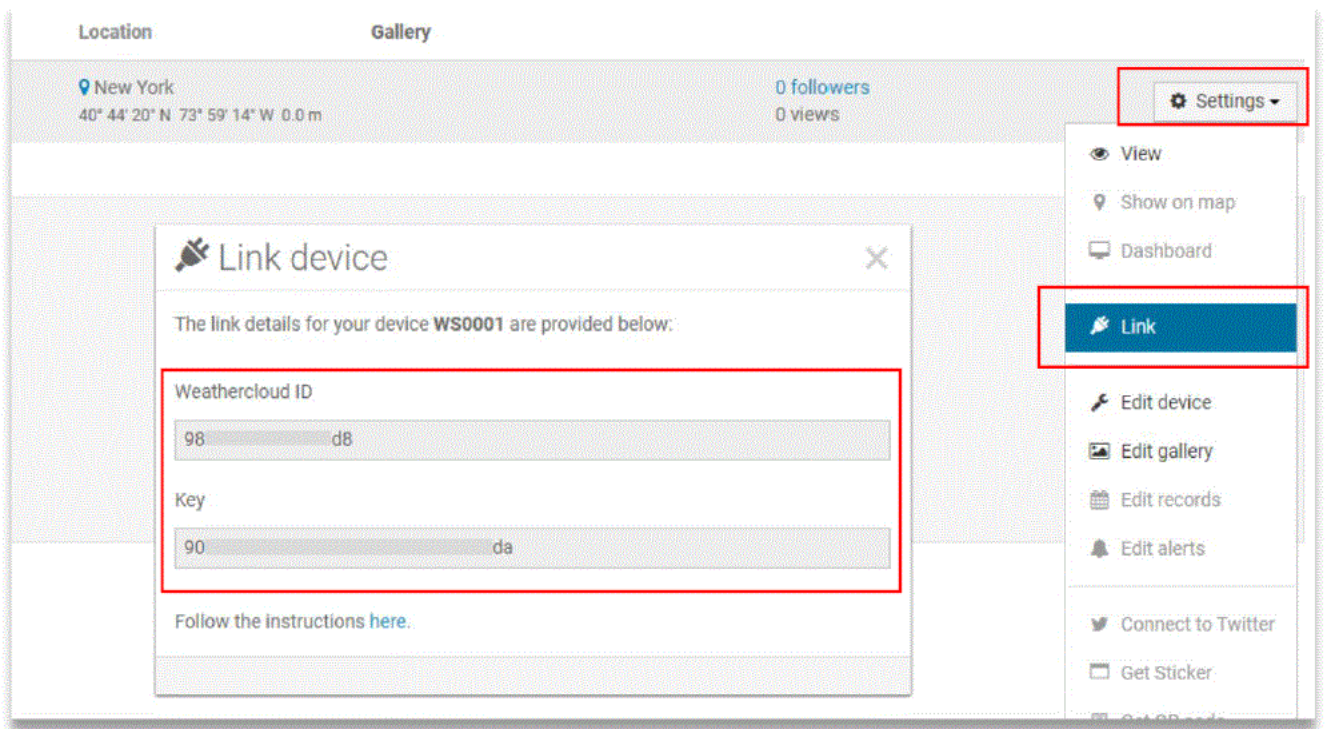
Longitude * -74.00597425460125

Elevation 0.0 m

Height 0.0 m

✓ Create

5. Click link in the Settings list to find and record the "weathercloud ID" and "Key" information for later use.



WiFi Specifications


WIFI Standard:	802.11 b/g/n
WiFi Console RF Frequency:	2.4 GHz
Device Compatibility:	Build-in WiFi with WAP Mode, Smart Device (laptops, computers, smart phones and smart pads).
Web Browser Compatibility:	HTML 5 (such as the latest versions of Chrome, Safari, IE, Edge, Firefox or Opera).
Line of sight WiFi RF transmission (in open air):	80ft (20m)

Trouble Shooting Guide

WiFi does not display on console

- Check your router for problems.
- Check WiFi symbol on the display. If wireless connectivity is successful the



- WiFi icon  will be displayed all the time.
- Make sure your modem WiFi settings are correct (network name, and password).
- Make sure the console is plugged into AC power. The console will not connect to WiFi when powered by batteries only.
- The console only supports and connects to 2.4GHz routers. If you own a 5 GHz router, and it is a dual band router, you will need to select 2.4GHz in operation
- The console does not support guest networks.

Data not reporting to www.wunderground.com or www.weathercloud.net

- Confirm your station key is correct. It is the password you registered on Wunderground.com.
- Your Wunderground.com password cannot begin with a non-alphanumeric character (a limitation of Wunderground.com, not the station). Example, \$worknet is not a valid password, but worknet\$ is valid.
- Confirm your station ID is correct.
- Make sure the date and time is correct on the console. If incorrect, you may be reporting old data, not real time data.
- Make sure your time zone is set properly. If incorrect, you may be reporting old data, not real time data. Check your router firewall settings. The console sends data via Port 80.

Manufacturer:


- Sainlogic High TechInnovation Co.,LTD
- 1034 2 Cypr ess Lakes Dr,
- Ja cksonville, FL 32256
- United State
- www.sainlogic.com
- Email: info@sainlogic.com

FAQ

Q: What should I do if I cannot connect to Sainlogic WiFi?

A: If you are unable to connect, check if your firewall (router or Windows system) blocks unfamiliar network connections. Additionally, ensure that you are within range and have followed the setup instructions carefully.

Documents / Resources

	sainlogic Weather Station App [pdf] User Guide Weather Station App, Station App, App
-----------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------

References

- [User Manual](#)

app, Sainlogic, Station App, Weather Station

Sainlogic App

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Email

Website

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