

Sainlogic APP WiFi Setup Guide

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




Sainlogic iOS APP




Sainlogic Android APP


1. 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.*

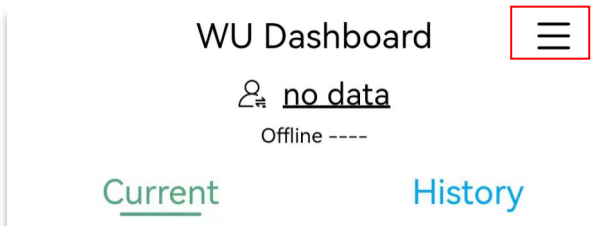
2. Console WiFi Configuration Via APP

 **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.*

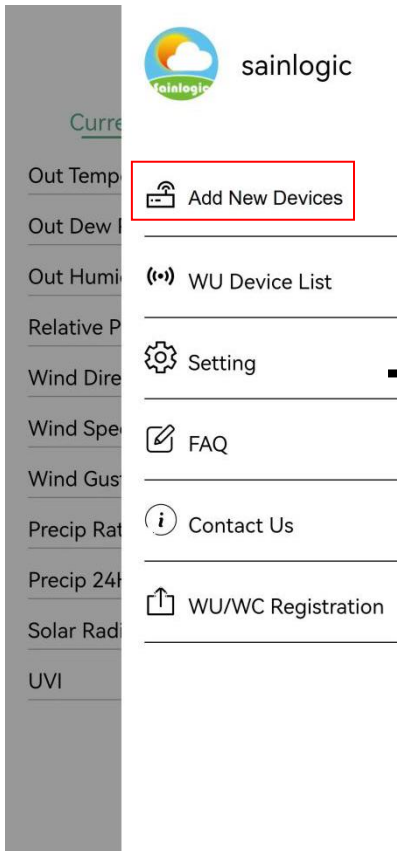
2.1 Add New Devices Via WiFi

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**”.



- < Wu Registration
- with your account information. If you do not have a WU account, sign up first.
3. In the upper right corner menu, select Member settings → My Devices → Add New Device.
 4. Follow the instruction and fill in necessary information. You can select any model number if you need to do so in the process.
 5. After the process completed you will get ID and key information like below. Please copy and save it for later use.

Do not write it down to avoid mistakes.

Your PWS

Station ID: KCO

Station Key: ES

Copy credentials



View Devices


You can register in WC website by visiting: www.weathercloud.net in a similar way.

Read the relative part of our detailed instruction manual if you have any problem in registration.

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.

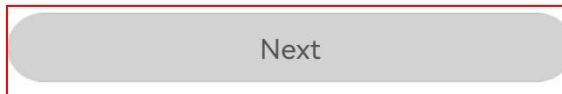
< Wi-Fi Configuration




1: Plug in the console with the included Power adaptor.




2: Make sure the WiFi word icon is flashing. If it is not, press and hold MIN/MAX button for 5 seconds until it begins flashing.



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.



WLAN



AVAILABLE NETWORKS

Sainlogic-F21780



Connected (no Internet access)

██████████ CH



Saved, encrypted (good quality)

██████████ UA



Saved, encrypted (available)

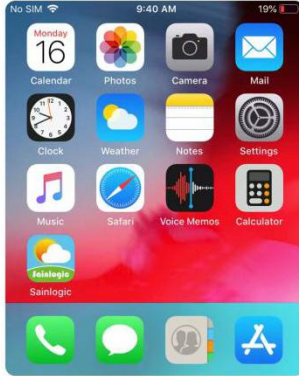
[Add network](#)

5. When the **“Sainlogic”** WiFi connected successfully, return back to APP and click the **“Check”** button on Wi-Fi Configuration Page.

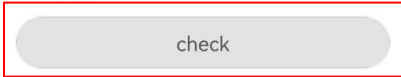
- ◆ *If the **“Sainlogic”** WiFi connect successfully, it will display **“Connected to the sainlogic device”**.*
- ◆ *If the **“Sainlogic”** WiFi connect failed, it will display **“Pls connect the sainlogic wifi device”**.*

< Wi-Fi Configuration

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 the Sainlogic).

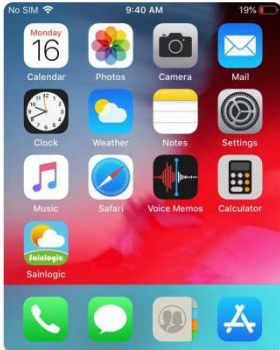


Link the SSID(such as Sainlogic-xxxxxx) with empty password.



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).

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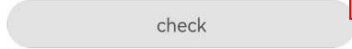
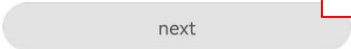


Link the SSID(such as Sainlogic-xxxxxx) with empty password.

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

Connected to the sainlogic device


Please connect the sainlogic wifi device!!!




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

Setting ☰

Wi-Fi network setup

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

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

 → Router's WiFi Password

Status:Connected
Connected IP:192.168.10.95 → 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

→ Press Save to Confirm the Setting

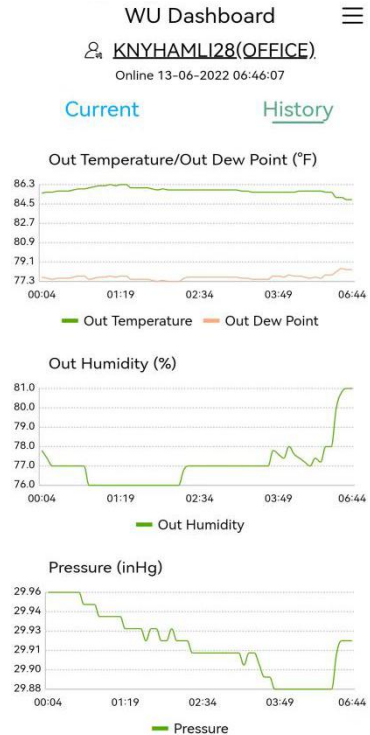
 **Note:** You can fill in one or both of wunderground and weathercloud Station ID and key to upload the weather data.



 **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	
<u>Current</u>	<u>History</u>
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.

2.2 Other Features on Weather APP

2.2.1 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**”.

The screenshot displays the 'WU Dashboard' interface. At the top, it shows 'no data' and 'Offline ----'. Below this, there are two tabs: 'Current' and 'History'. The 'Current' tab is active, showing a list of weather parameters with their respective units. A red box highlights the 'WU Device List' option in the bottom navigation menu, which is also indicated by a red box around the hamburger menu icon at the top left.

Parameter	Value	Unit
Out Temperature	--	°C
Out Dew Point	--	°C
Out Humidity	--	%
Relative Pressure	--	hPa
Wind Direction	-- --	°
Wind Speed	--	m/s
Wind Gust	--	m/s
Precip Rate	--	mm/hr
Precip 24H Total	--	mm
Solar Radiation	--	w/m ²
UVI	--	

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.

< WU Device List

+Add

* If you already have a device registered in WU , you can add it here by filling ID information.

✕

KNYHAML128

Office

Save



WU Dashboard ☰

📍 KNYHAML128(Office)
Online 13-06-2022 03:57:14

Current	History
Out Temperature	29.8 °C
Out Dew Point	25.5 °C
Out Humidity	78 %
Relative Pressure	1011.85 hPa
Wind Direction	NWN 293 °
Wind Speed	0.0 m/s
Wind Gust	0.0 m/s
Precip Rate	0.0 mm/hr
Precip 24H Total	0.0 mm
Solar Radiation	19.8 w/m ²
UVI	0

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

WU Dashboard

📍 ISANZH1(868)

Online 15-06-2022 13:44:06

➔

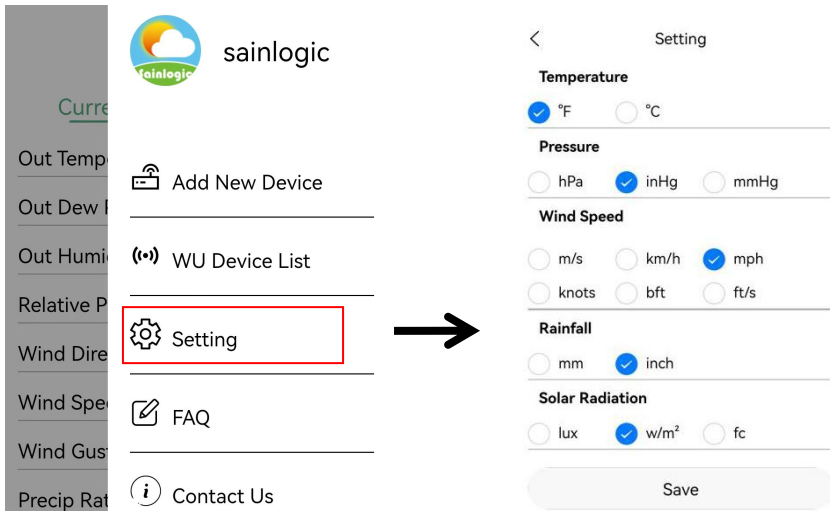
ISANZH1(868)

IMAZAP5

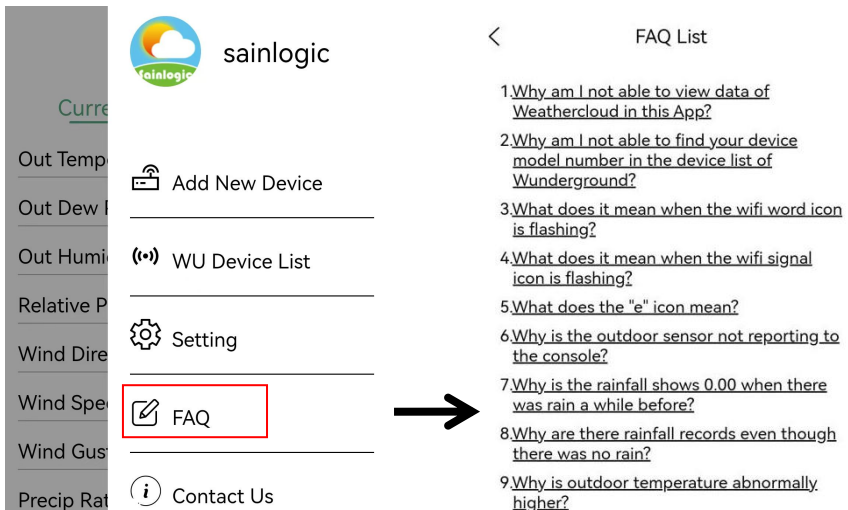
IGUSHA1(2)

IHONGKON189

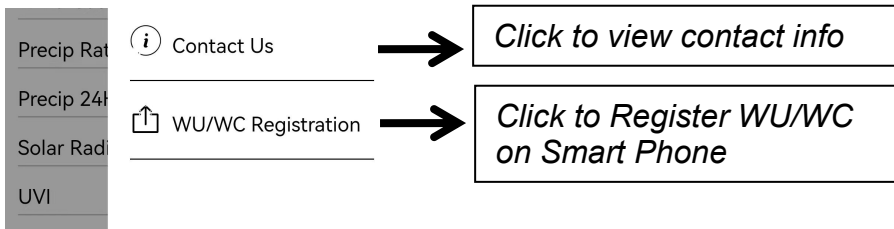
2.2.2 Weather Parameters Unit Set



2.2.3 FAQ (Trouble Shooting)




2.2.4 Contact Us



3. Console Wifi Configuration Via Webpage

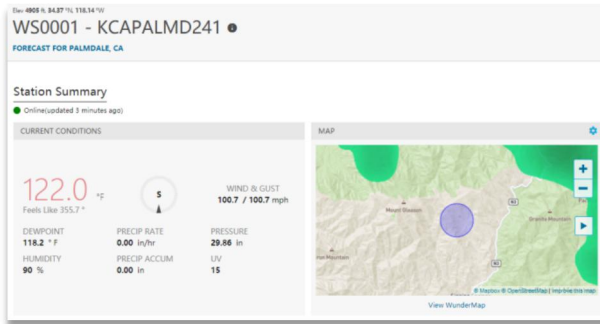
You can complete wifi configuration by webpage as well if you do not want to download an App.


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.

4. 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.



5. 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.

6. Time Server Sync Status

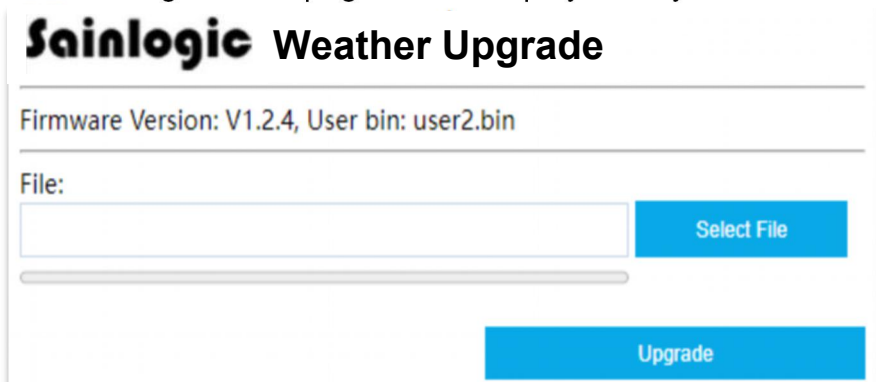
After the display console has connected to the internet, it will automatically connect the internet time server to obtain the time. Once the connection succeeds and the console's time has updated, the **SYNC** icon will appear on the LCD.

7. 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.



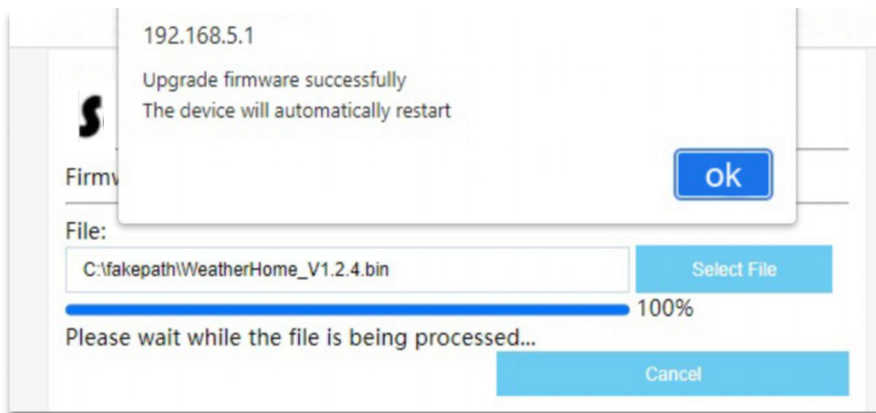
Sainlogic Weather Upgrade


Firmware Version: V1.2.4, User bin: user2.bin

File:


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 restart.



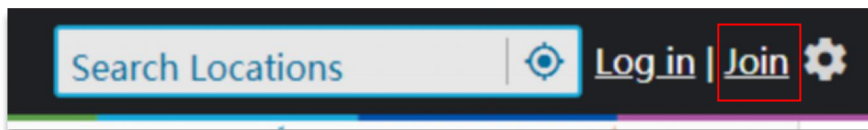
 **Note:** In this upgrade process, only update the **WiFi firmware**, the console doesn't reset.

8. Weather Server Registration

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

8.1 Sign up on 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.



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
myweather@.....com ✓

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


[Sign in](#)

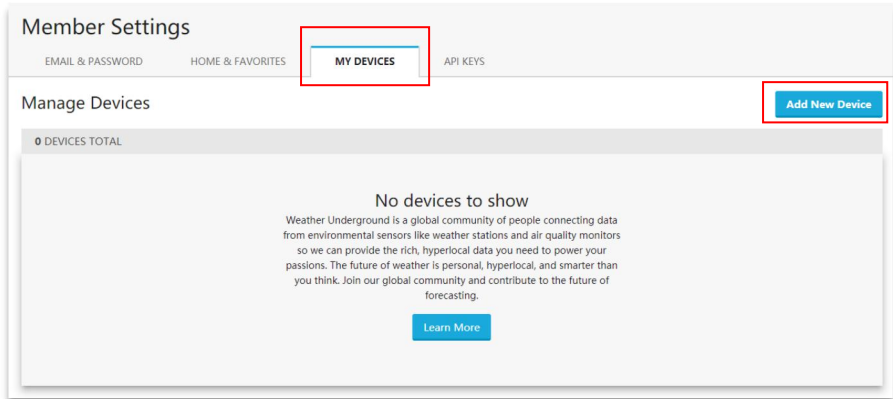
[Don't have an account? Sign up](#)

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

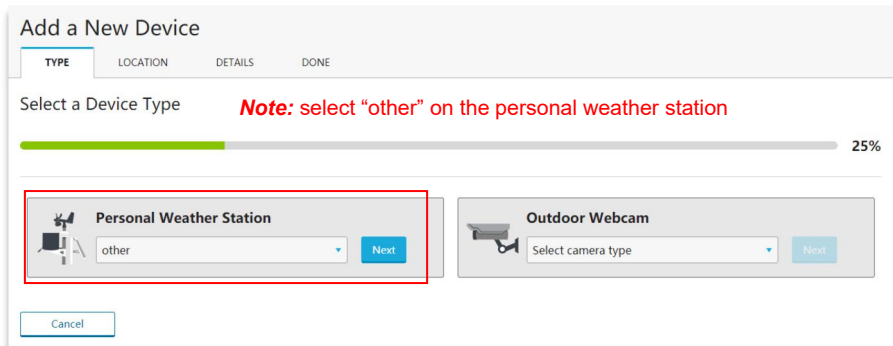
Please read these terms carefully. By using Weather Underground or signing up for an account, you're agreeing to these terms.

3. Select **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 .



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



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%

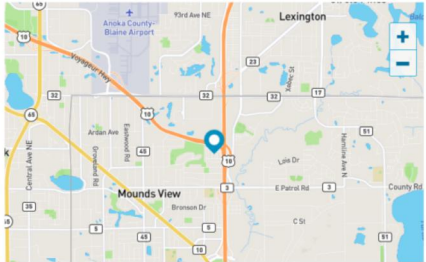
Device Location:

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



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%

Name:(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](#)

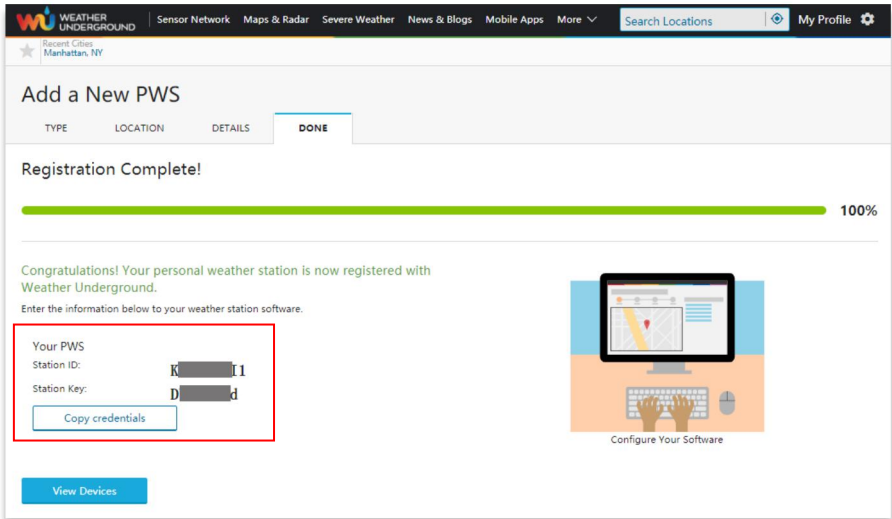
(Required)

I Accept I Deny

Email Preferences:

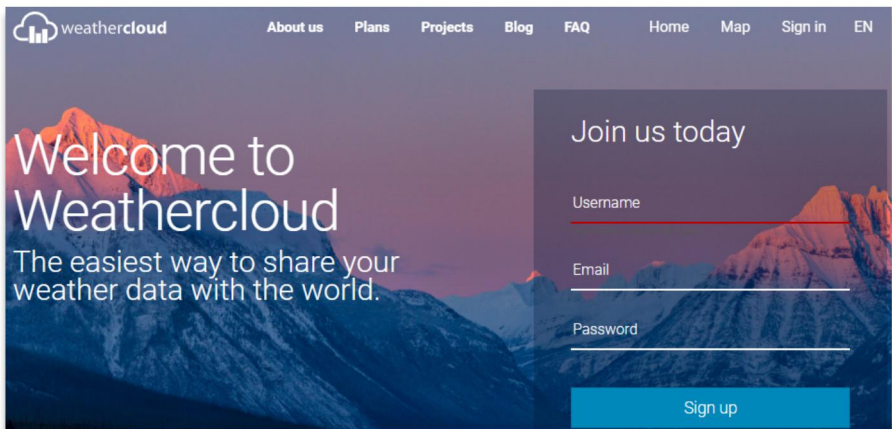
I would like to receive PWS notifications.

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



8.2 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.



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 *	<input type="text" value="WS0001"/>	Country *	<input type="text" value="United States"/>
Model *	<input type="text" value="WS Series"/>	State / Province *	<input type="text" value="New York"/>
Link type *	<input type="text" value="Weather Setup"/>	City *	<input type="text" value="New York"/>
Website	<input type="text" value="www.example.com"/>	Time zone *	<input type="text" value="(UTC-04:00) New York"/>

Coordinates

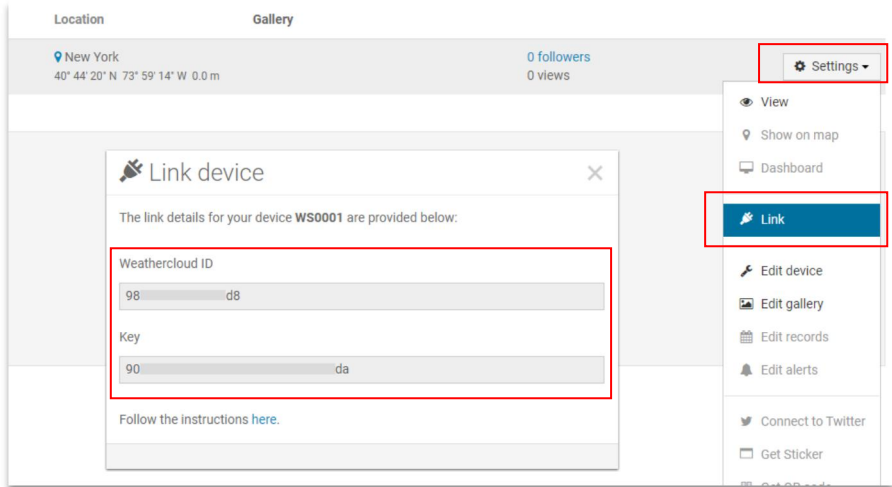
Latitude *

Longitude *


Elevation m

Height m

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



9. Trouble Shooting Guide

<p>WiFi does not display on console</p>	<p>Check your router for problems.</p> <p>Check WiFi symbol on the display. If wireless connectivity is successful the WiFi icon  will be displayed all the time</p> <ul style="list-style-type: none"> Make sure your modem WiFi settings are correct (network name, and password). <p>Make sure the console is plugged into AC power. The console will not connect to WiFi when powered by batteries only.</p>
---	---

	<p>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</p> <p>The console does not support guest networks.</p>
<p>Data not reporting to www.wunderground.com or www.weathercloud.net</p>	<p>Confirm your station key is correct. It is the password you registered on Wunderground.com.</p> <p>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.</p> <p>Confirm your station ID is correct.</p> <p>Make sure the date and time is correct on the console. If incorrect, you may be reporting old data, not real time data.</p> <p>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.</p>

10. 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)

Manufacturer:

Sainlogic High Tech Innovation Co.,LTD
F9,De Zhong Industrial Park,
Li Pu Street,Shenzhen,China
Post:518001

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