

Urageuxy Weather Station

WiFi Setup Guide

Display Console WiFi Quick Setup:

1. Power up the Console with Adapter
2. Make sure the WiFi icon is flashing for connection.
3. Open WiFi list of your Laptop and connect **Urageuxy WiFi**.

Note: This Urageuxy WiFi 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.

4. Input the IP address **http://192.168.5.1** into any browsers and fill in the needed information on the wifi weather setting page.

1) Router WiFi account name and password,

2) Wunderground, Weathercloud, PWSweather station ID and key (Refer Part 1 to register the weather server account)

5. Save the wifi web network, when the "**status**" display "**connected IP**", the wifi connection is successfully.

6. Disconnect the **Urageuxy WiFi** and connect back to your **home router**. If wifi connection and data uploading are successful, the icons  and  in the console will display solid.

Important Note* when you first power up the console:

1. If the WiFi icon is always flash and it's working normally, proceed with the wifi setup manual step by step.
2. If the WiFi icon flashes a few seconds and disappear, press the min/max button for 10 seconds to reset the indoor console, then the wifi icon will always flash for wifi setup connection.
3. If the WiFi icon keeps staying and no flash, press the Min/Max button for 3 seconds and the wifi icon will flash for wifi setup connection.

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1. Weather Server Registration Guide

 **Note:** If you have registered Wunderground, Pwsweather and Weathercloud account before, only need to create “**New Device**” to add your new weather station information

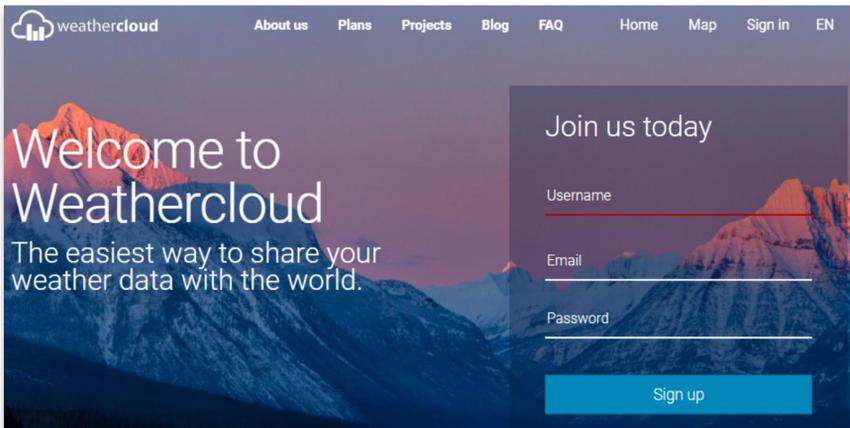
 **Note:** You can register one, both or all of wunderground, pwsweather, and weathercloud to upload the weather data.

 **Note:** Once the console WiFi configuration is completed, disconnect the Urageuxy WiFi and connect back to home router to upload the weather data.

 **Note:** After you completed the all procedures successfully, Sometimes you need to wait about 30 minutes to see the updated data online on weather server.

1.1 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. At the top left is the Weathercloud logo. The navigation menu includes 'About us', 'Plans', 'Projects', 'Blog', 'FAQ', 'Home', 'Map', 'Sign in', and 'EN'. The main content area has a large 'Welcome to Weathercloud' heading and the tagline 'The easiest way to share your weather data with the world.' On the right, there is a 'Join us today' section with three input fields for 'Username', 'Email', and 'Password', and a blue 'Sign up' button at the bottom.

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

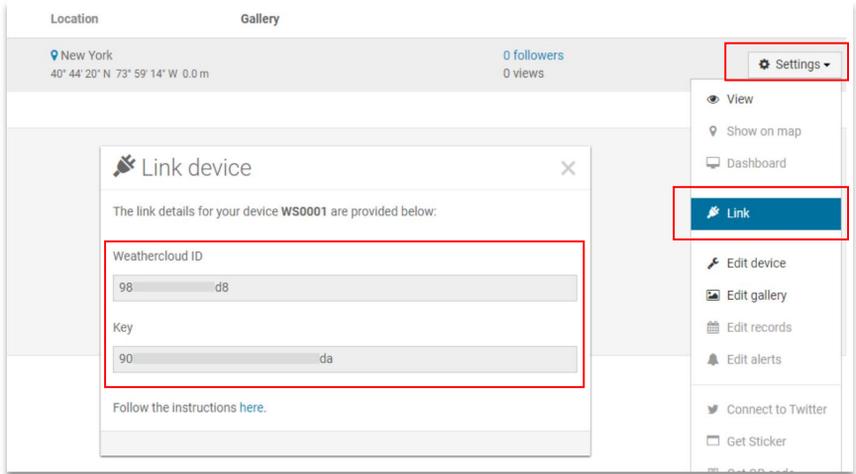
Latitude *

Longitude *

Elevation m

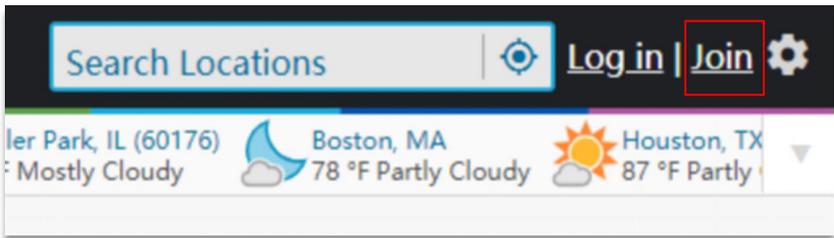
Height m

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



1.2 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
 ✓

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 [Log In](#) [Join](#)

Popular Cities: San Francisco, CA 56°F Fair Manhattan, NY 64°F Mostly Cloudy Schiller Park, IL (60176) 67°F Cloudy Boston, MA 71°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?](#)
 ✓

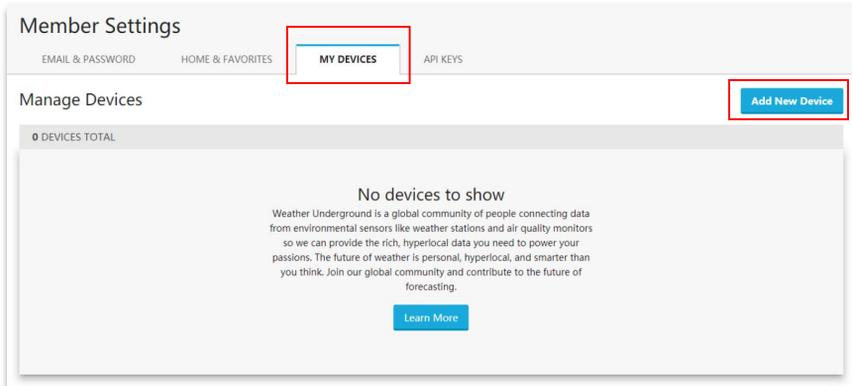
[Sign in](#)

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

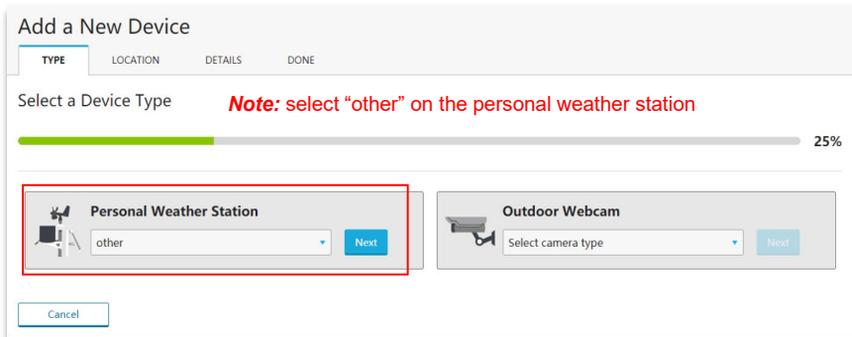
[Terms of Use](#) | [Privacy Policy](#)
Please read these terms carefully. By using Weather Underground or signing up for an account, you're agreeing to these terms.

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 .



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)

Surface Type:

Elevation: (Required)

Associate Webcam:

Device Hardware: (Required)

Height 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.

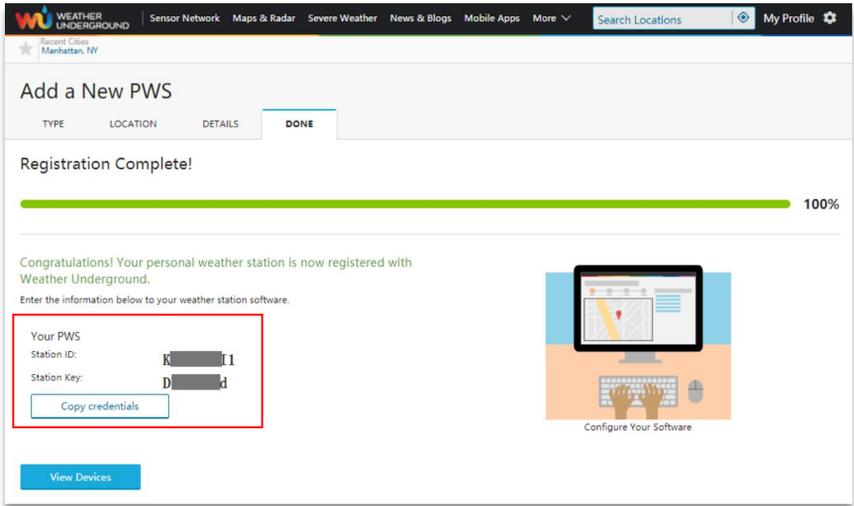
[Learn more about how we take your privacy seriously](#)

(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 further use

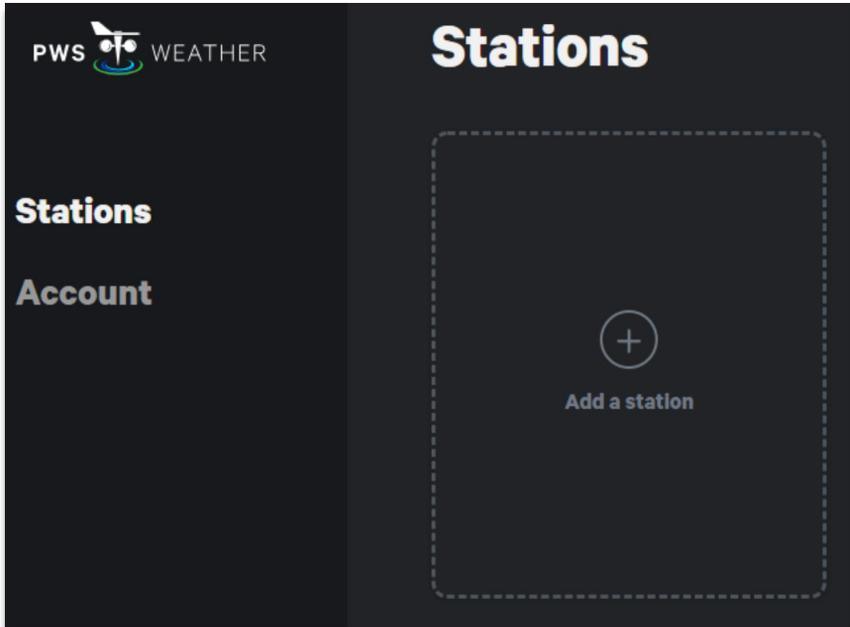


1.3 Sign up on Pwsweather.com

1. Visit the <https://www.pwsweather.com/> website, click the ***“REGISTER”*** button to sign up.



2. Input a Username, Email and Password, and click the “**Sign up**” button to create your free account.
3. Check your registered email to activate your account.
4. log into your account with registered Email and Password.
5. Click the “**Add a station**” to enter into “**Profile**” and “**Location**” detail Page.

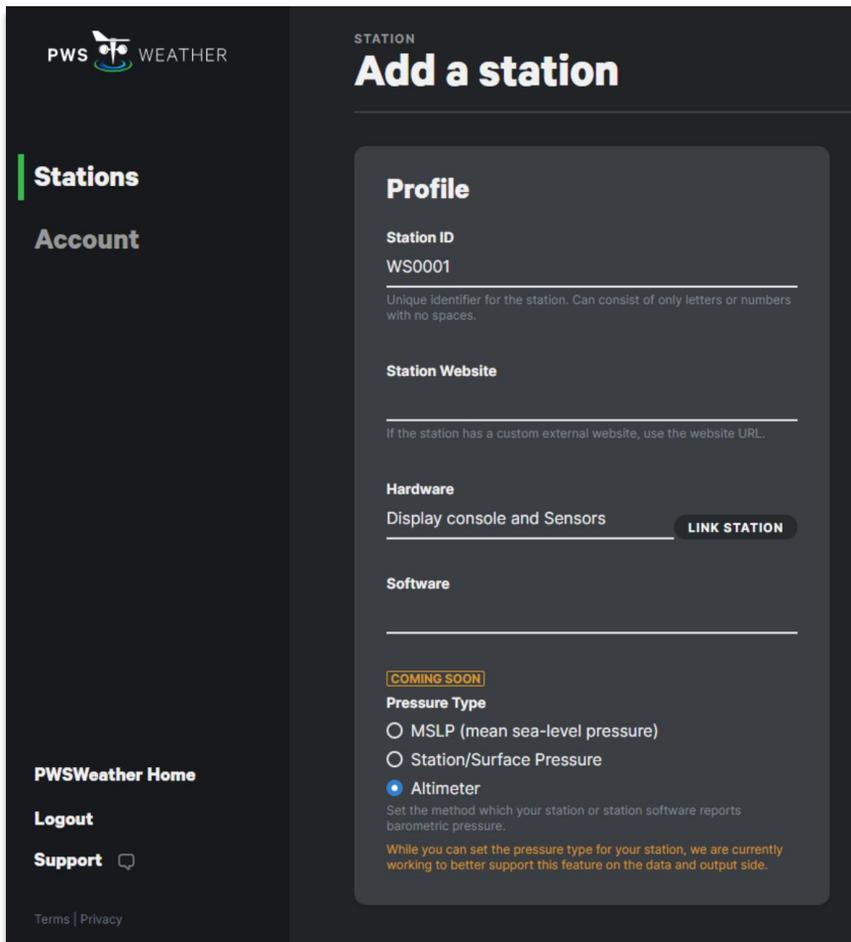


6. On the **Profile** Page, enter the "**Station ID**", "**Hardware**" and select your location "**Pressure type**".

 **Note:** “**Station ID**” needs to write manually and can’t change in future.

7. In **Location** Page, fill in the weather station local address and choose coordinate “**precision**”, and input the “**Elevation**” part.

8. Once you filled in all the needed information, click the **“SAVE STATION”** button on the top right.



 **Note:** Use the buttons “+” and “-” to zoom in or out on the map as displayed. You can move the cross on the map to your own accurate location.

 **Note:** You can provide the station elevation or perform a lookup to automatically determine the elevation based on the current coordinates above. A valid latitude/longitude coordinate is required above to determine the elevation via the lookup option.

Location

ADDRESS **COORDINATE**

Provide the physical address for your station below. The latitude/longitude coordinate can be automatically determined based on the address you provide using the "Geocode Address" control.

Changing your location will reset your station status. This means it may take up to five days before it is available again on PWSWeather.com. After sending reliable data associated with this new location, you station will be display again.

Country
United States

Physical Address
145 Sixth Avenue, Manhattan

City
New York

State
New York

Zip Code
10041

GEOCODE ADDRESS



Pan and/or zoom to re-center the map. Your station coordinates will be updated using the current center coordinate of the map above.

Latitude
40.74309523218185

Longitude
-73.95321358615419

Precision

- Precise
- Block (40.743, -73.953)
- Neighborhood (40.74, -73.95)

Adjust the precision of the station's coordinate when displayed publicly on a map or within API results. Less exact precision will result in your station appearing at a more generalized location at a city block or neighborhood level.

Elevation
10 feet **LOOKUP**

Provide the station elevation or perform a lookup to automatically determine the elevation based on the current coordinates above. A valid latitude/longitude coordinate is required above to determine the elevation via the lookup option.

9. When the **Station** created, click the "**EDIT**" button to station profile page. The **API key** appears on the bottom and copy for further use.

Logout

Support 

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API Key 5c6b29878317d876d1d1664c1!  **REGENERATE**

Use this unique key when posting data to the PWSWeather API from your weather station software. You can generate a new key, but you must also update the key used when posting data to the API.

 **Note:** Keep and record the **Station ID** and **API key** for further use.

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

2. Console Wifi Configuration Via Webpage

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

2.1 Power On Display Console

When you first power up the console with adapter, the WiFi icon  will flash to signify that it has entered **WAP mode (wireless access point)**, and is ready for WiFi settings.

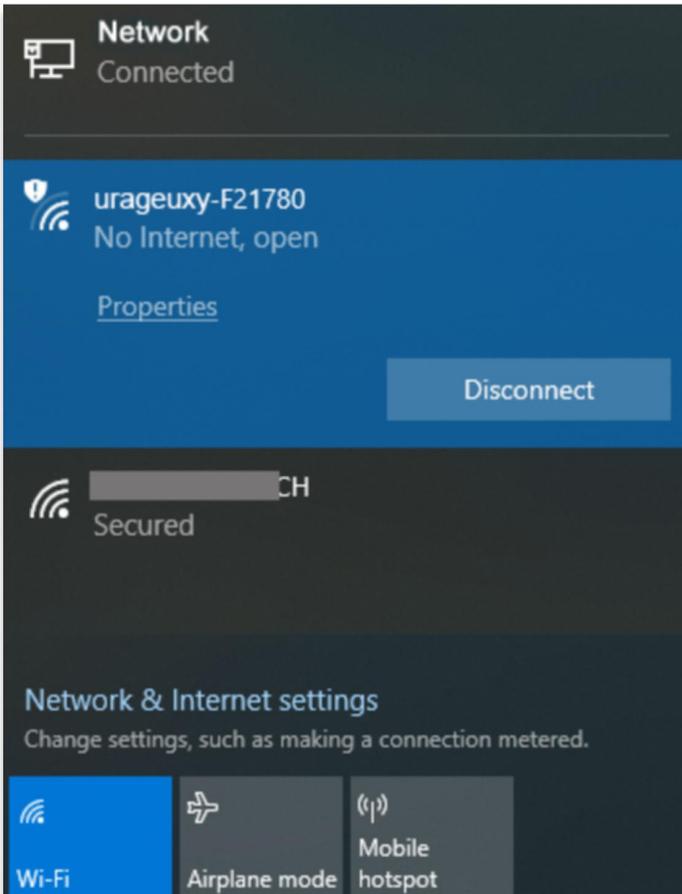
 **Note:** *If the WiFi icon stay solid without flash, press and hold the console Min/Max button for three seconds in normal mode, the WiFi icon will flash again for WiFi connection.*

 **Note:** *If the WiFi icon disappear, press the console Min/Max key for 3 seconds and replug in the power adapter at the same time to factory reset, the WiFi icon will flash again for WiFi connection.*

 **Note:** *In WAP mode, you cannot connect two or more devices at the same time.*

2.2 Connect Smart Device to Console WiFi

Use your personal Laptop(PC), Tablet, or Smart Phone to connect the console WiFi. The display console network name begins with **“Urageuxy”** and **a unique code**.



2.3 Display Console Network Setup

Once you connect the “**Urageuxy**” WiFi successfully, input the IP address **<http://192.168.5.1>** into any Web browsers.

 **Note:** Make sure that you include the protocol “**http://**” (“**http://192.168.5.1**” instead of “**192.168.5.1**”).

2.3.1 Router WiFi and Weather Server Setup

1. Fill in and check all the settings below, if you confirm that all information is correct, click the button “**Save**”.

The screenshot shows the irogeuxy settings page in a browser. The address bar contains 'http://192.168.5.1'. The page is divided into two main sections: 'Wi-Fi network setup' and 'Weather server setup'. The 'Wi-Fi network setup' section includes a 'Network' dropdown menu, a 'Password' field, and a status display showing 'Connected. IP: 192.168.10.210'. The 'Weather server setup' section includes three sections for uploading data to 'wunderground.com', 'weathercloud.net', and 'pwsweather.com', each with an 'ID' and 'Key' field. A blue 'Save' button is located at the bottom of the page. Red arrows point to various elements: the address bar, the Network dropdown, the Password field, the status display, the 'Save' button, and the ID and Key fields for each weather service.

Input IP address into browser (http://192.168.5.1)

Select your WiFi Router(SSID) (Support only 2.4 GHz Router)

Router's WiFi Password

Status display "Connected" IP (Success) once click the the save key

Confirm to upload into wundergournd.com

Enter Your Station ID

Enter Your Station Key

Confirm to upload into weathercloud.net

Enter Your Weathercloud ID

Enter Your Weathercloud Key

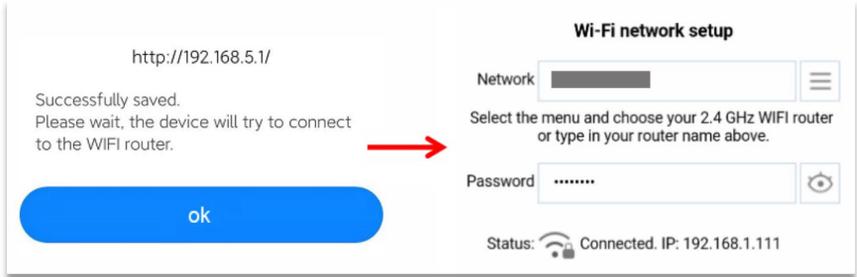
Confirm to upload into pwsweather.com

Enter Your pwsweather ID

Enter Your pwsweather API Key

Press Save to Confirm the Setting

2. Once saved the “WiFi network setup” page, click the below “**ok**” button and the status will display “**connected IP**” (WiFi connection successfully).



3. When “**WiFi Network Setup**” saved, disconnect your smart device from **urageuxy** wifi, and connect your home router wifi for weather data uploading and updates.

 **Note:** You can fill in one, both or all of weather server 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.

2.3.2 WiFi Connection Status

When the display console successfully connected to any weather servers, The WiFi icon  and the data upload icon  will appear and stay solid on the display for weather data uploading and updates.

- ◆  **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.
- If the data upload icon  stay on, the weather station 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.

2.3.3 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, and the **SYNC** icon will appear on the LCD.

 *Note: when WiFi connected successfully, the console time will updates automatically without manually setting.*

2.3.4 Time Zone

The display console time zone will match your local time zone automatically once console WiFi connection succeed. (***no need manually setting***).

3. View the Weather Data Via Internet

3.1 View weather station data on weathercloud

Visit <https://www.weathercloud.net/> with your previously registered Email and Password, you will be automatically directed to the weather data of your weather station (If it has recently synced data to Weathercloud).

 **Note:** When weather data upload to the **weathercloud** successfully, the status will display “**Online**” .

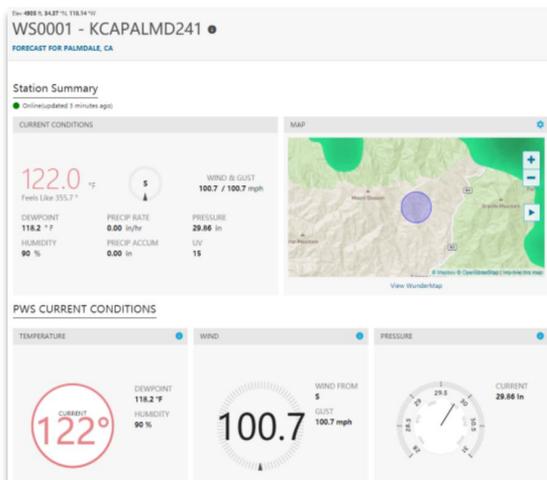


3.2 View weather station data on wunderground

Visit <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: When weather data upload to the wunderground successfully, the status will display **“Online”**.



3.3 View weather station data on pswweather

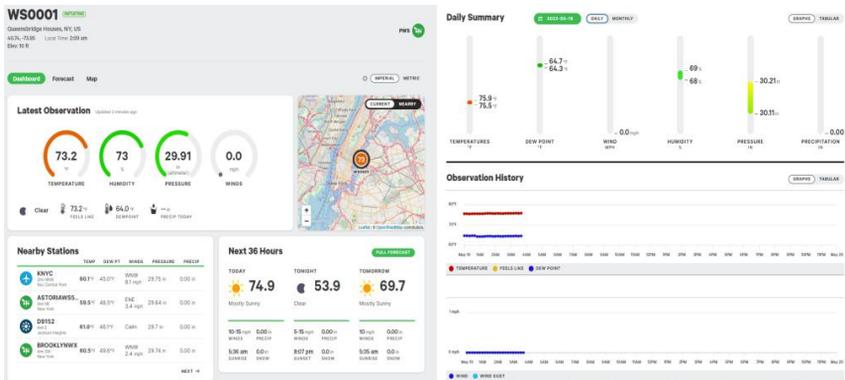
Visit <https://www.pswweather.com/> and sign in with your previously registered Email and Password. Then select “**Dashboard**” button under the station name.

You can also access the station directly without login by using the following URL:

[**https://www.pswweather.com/station/psw/\(your station ID Name\)**](https://www.pswweather.com/station/psw/(your station ID Name))



Note: When weather data upload to the pswweather successfully, the status will display “**INACTIVE—ACTIVE**”.



4. Weather Server App (WU, WC, PWS)

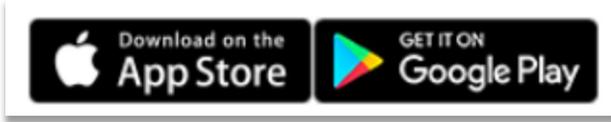
Weathercloud: The weathercloud APP for iOS and Android is not yet available. Meanwhile, we suggest you add website to

the Home screen  of your mobile device with "Add to Home Screen" option for quick access.

On iOS: Open weathercloud on your Safari browser, tap on the Share icon and then tap on Add to Home Screen.

On Android: Open Weathercloud on your browser, tap on Menu and then tap on Add to Home Screen.

WeatherUnderground: App is available on Apple APP Store for iPhone, and Google Play Store for Android smart phone.



PWSWeather: The Pwsweather currently have no APP to download. However, you can navigate to any page you'd like from your mobile device and add that page to your home screen with your device's "Add to Home Screen" option.

5. Other Features on Weather Server

5.1 Weather Parameters Unit

WC: Click the “” button on Dashboard to switch the weather parameters units between imperial and metric.

WU: Click the “” button on Dashboard to switch the °C / °F, and the other weather data unit will change automatically from imperial to metric.

PWS: On the DASHBOARD, click the “” to switch the weather parameters units in imperial, metric or custom.

5.2 Weather Parameters Display

1) **WC:** The weathercloud web can display inside and outside weather data of weather station.

Inside: Temperature, dew point, heat index, humidity.

Outside: Temperature, humidity, pressure, dew point, wind chill (Feels like), heat index, rainfall, sunlight, UV, wind speed gust and average.

2) **WU:** The weatherunderground web only display outside

weather data of weather station.

Outside: Temperature, humidity, pressure, dew point, rainfall, wind speed gust and average.

3) **PWS:** The pwsweather web only display outside weather data of weather station.

Outside: Temperature, humidity, pressure, dew point, feels like, rainfall, wind speed gust and average, sunlight and UV.

5.3 Download Weather Data

WC: Support weather data download on the Dashboard “**Database**” web-page.

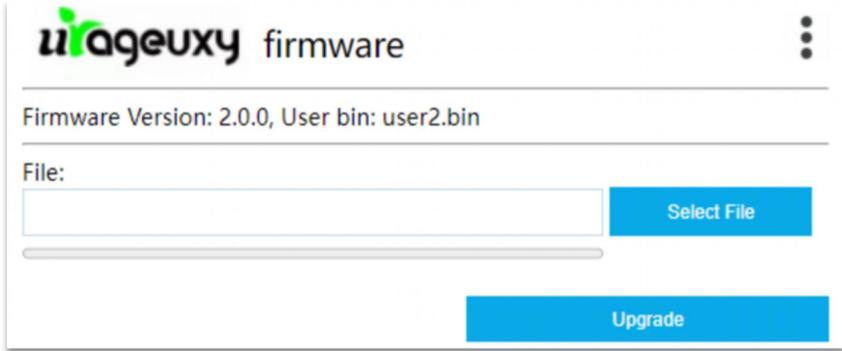
WU: Not support weather data download.

PWS: Support download on dashboard “**OBSERVATION**” part.

6. Display Console Firmware Upgrade

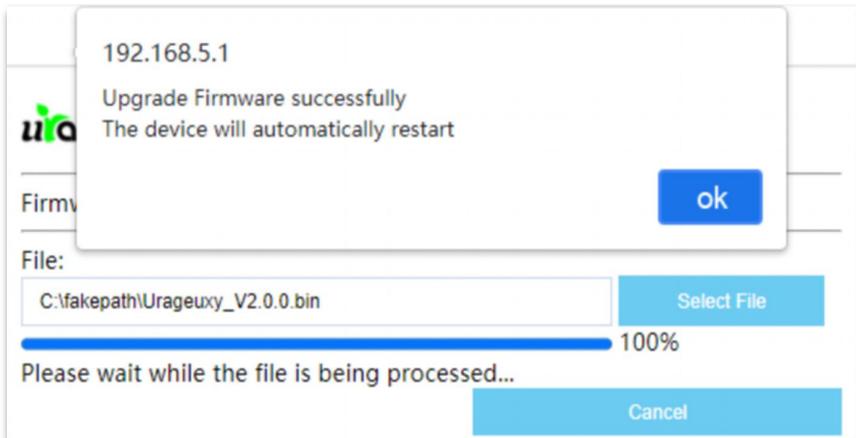
You may get the latest firmware of the console and upgrade as below :

- 1) Long Press the MIN/Max/- button on the display console for 3 seconds and the WiFi icon will flash.
- 2) Connect the “**Urageuxy**” WiFi on your Laptop or smart phone network.
- 3) Once WiFi connected, enter the 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.



4) Now click **“Select File”** button and select the binary file (extension “.bin”) .

5) 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, once the upgrade is completed, the console will automatically exit WAP mode.

7. 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> <p>Make sure your modem WiFi settings are correct (network name, and password).</p> <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 Wunderground. or Weathercloud</p>	<p>Confirm your station key is correct. It is not the password you registered on Wunderground.com.</p> <p>Your Wunderground.com password cannot begin with a non-alphanumeric character (a limitation of Wundeground.com, not the station).</p>

	<p>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>
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8. 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)

We'd like to address any issues or concerns you have. Your concerns is important to us so please contact us and we'll work to resolve your issues.

Technical Support:
ucweatherstation@gmail.com

