


# Sainlogic APP WiFi Setup Guide

1. Sainlogic Weather APP.....	2
2. Console Wifi Configuration Via APP.....	2
2.1 Add New Devices Via WiFi.....	2
2.2 Other Features on Weather APP.....	9
2.2.1 Add Existed WU Device.....	9
2.2.2 Weather Parameters Unit Set.....	11
2.2.3 FAQ (Trouble Shooting).....	11
2.2.4 Contact Us.....	12
3. Console Wifi Configuration Via Webpage.....	12
4. View the Weather Data Via Webpage.....	13
5. WiFi Connection Status.....	13
6. Time Server Sync Status.....	14
7. Firmware Upgrade on Display Console.....	14
8. Weather Server Registration.....	15
8.1 Sign up on Wunderground.com.....	15
8.2 Sign up on Weathercloud.net.....	19
9. Trouble Shooting Guide.....	21
10. WiFi Specifications.....	23

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.*

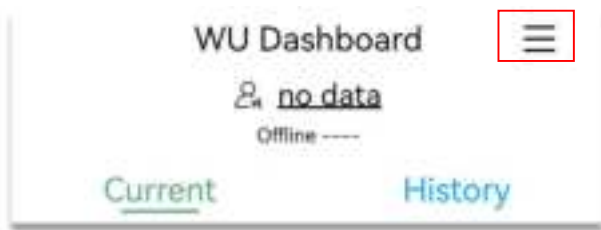
## 2. Console WiFi Configuration Via APP

 **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**”.



### 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”**.

## < 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.

check

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 will device!!

check



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

The screenshot shows the 'Wi-Fi network setup' section of a settings application. At the top, there is a 'Setting' header and a menu icon. Below the title, there are two input fields. The first field contains a list of Wi-Fi networks, with one selected. A red arrow points to this field with the text 'Select your WiFi Router(SSID) (Support only 2.4G Router)'. The second field contains a password. A red arrow points to this field with the text 'Router's WiFi Password'. Below these fields, the status is shown as 'Connected' and 'Connected IP: 192.168.10.95'. A red arrow points to this status with the text 'Status Display "Connected IP" When Connection Successfully'. Below the Wi-Fi section is the 'Weather Server Setup' section. It has a blue header and a blue instruction: 'Please paste the ID and key information. Do not write it down to avoid mistakes.' Below this, there are two links: 'Upload wunderground.com' and 'Upload weathercloud.net'. Under the first link, there are two input fields. The first contains a station ID. A red arrow points to it with the text 'Enter Your WU Station ID'. The second contains a station key. A red arrow points to it with the text 'Enter Your WU Station Key'. Under the second link, there are two input fields. The first contains a Weathercloud ID. A red arrow points to it with the text 'Enter Your Weathercloud ID'. The second contains a Weathercloud key. A red arrow points to it with the text 'Enter Your Weathercloud Key'. At the bottom of the page is a large grey button labeled 'Save'. A red arrow points to it with the text 'Press Save to Confirm the Setting'.

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

Save

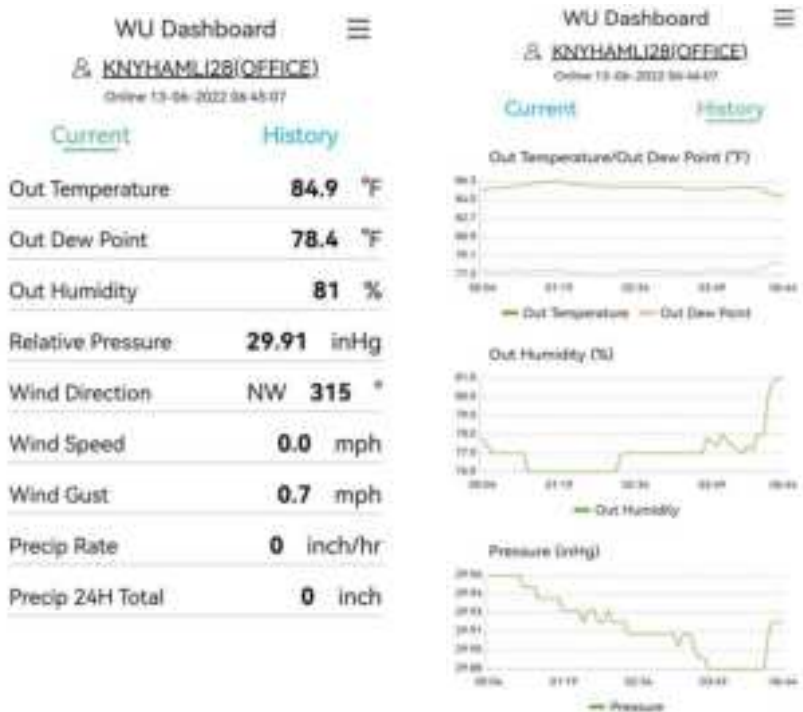
Press Save to Confirm the Setting



 **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)



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.

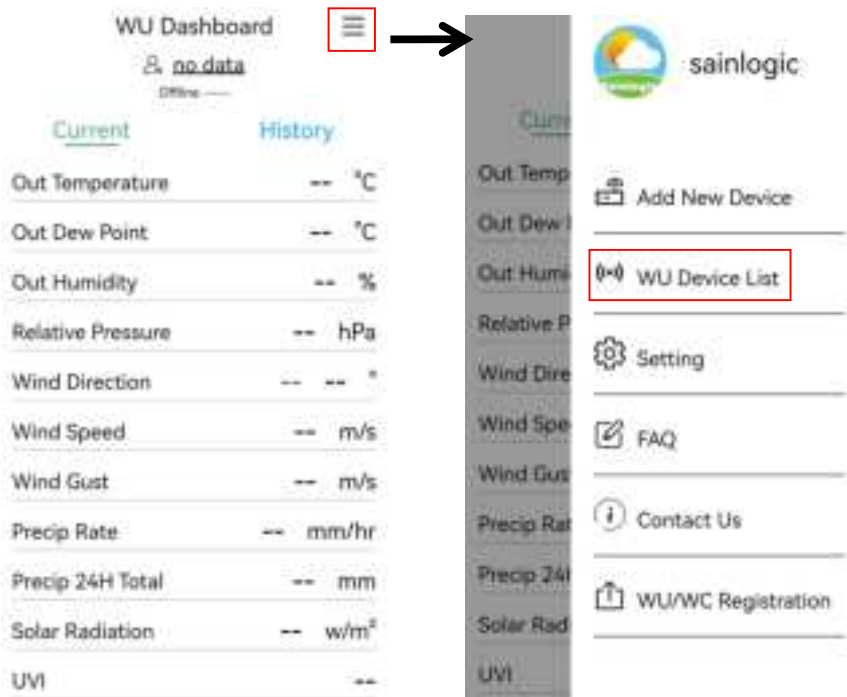


## 2.2 Other Features on Weather APP


### 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**”.



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 in information.

WU Device ID

Station Name

Save




WU Dashboard


KNYHAM128(Office)

Online 13-06-2022 02:57:14

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/m²
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

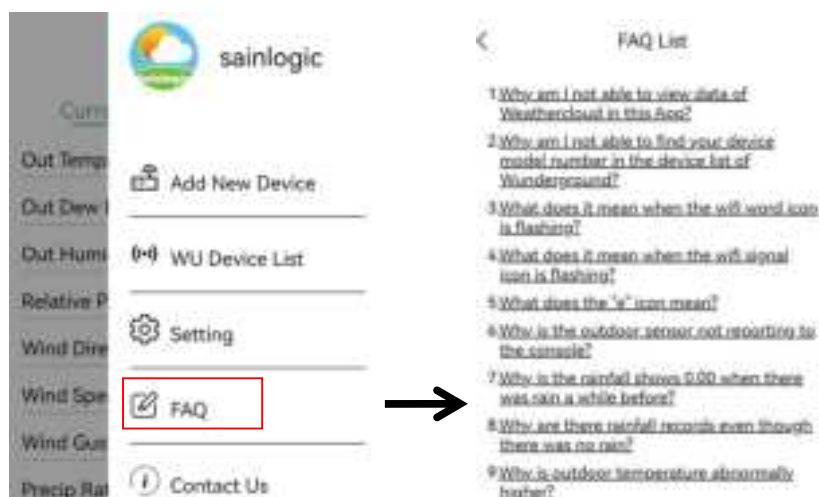
IGUSHA1(2)

IHONGKON1E9

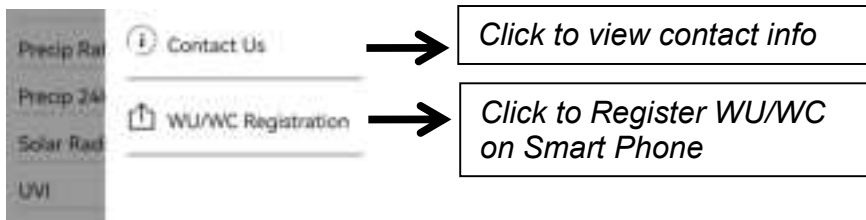
## 2.2.2 Weather Parameters Unit Set



## 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

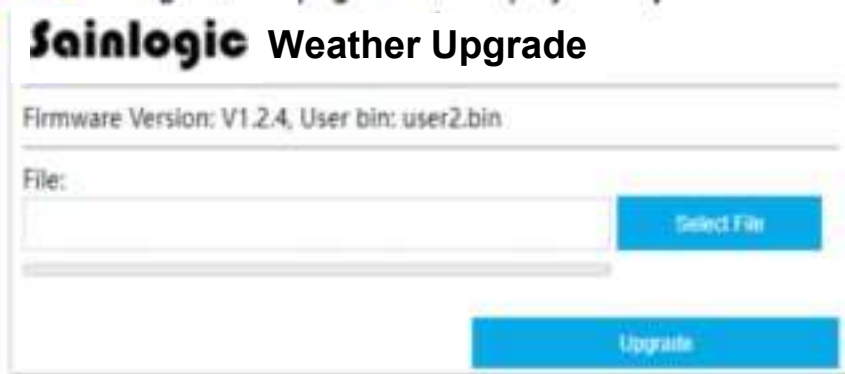
After the display console has connected to the internet, it will automatically connect the internet time server to obtain the time. Once the connection succeeds and the console's time has updated, the **SYNC** icon will appear on the LCD.

## 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.**

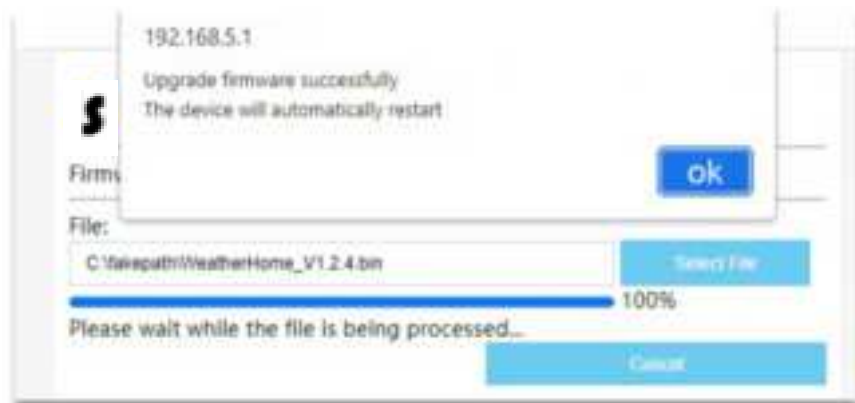
2. Once WiFi connected, enter the following IP address into the browser's address bar: **<http://192.168.5.1/upgrade.html>**, the following website page will be displayed on your browser.




The screenshot shows a web browser displaying the "Sainlogic Weather Upgrade" page. At the top, it says "Firmware Version: V1.2.4, User bin: user2.bin". Below this is a "File:" label followed by a text input field. To the right of the input field is a blue button labeled "Select File". At the bottom of the page is a large blue button labeled "Upgrade".


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

 ✓

Password (5-30 characters) [View](#)

 ✓

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.

## Member Account

### Sign in to Weather Underground!

Email

 ✓

Password [Forgot your password?](#)

 ✓

[Sign in](#)


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

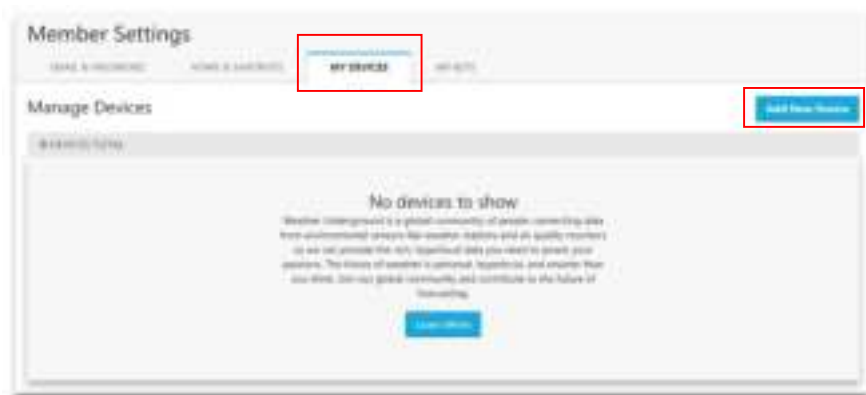
[Forgot Your Username/Password](#)

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

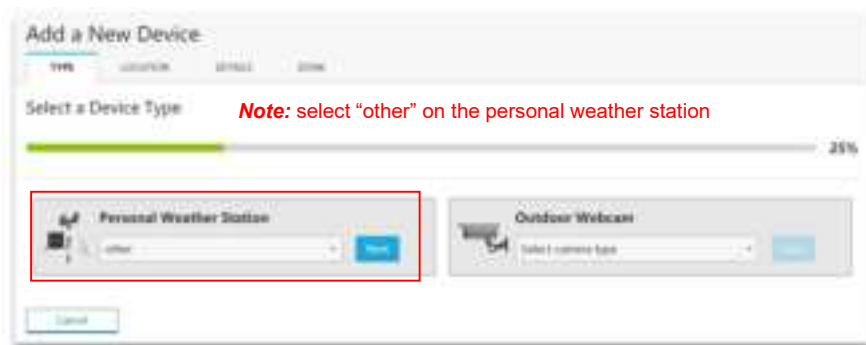


3. Select **My Devices** tab and click **“Add New Devices”**.

 **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**

10% LOCATION 50% 50%

Set Device Name & Location

Device Location:

☒ Address ☐ Manual

Manual View


Point coordinates for device location (optional)

Latitude (N/A)

Long. (N/A)

Neighborhood (N/A)

Time Zone (N/A)



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

**Add a New PWS**

10% LOCATION 50% 50% 75%

Tell Us More About Your Device

Device Name (Required)

Device Type

Device Model (Required)

Device Software Version

Device Hardware Version

Device Name (Required)

Device Name (Required)

You Make Our Forecasts More Accurate. We Respect Your Privacy

Consent to the Weather Underground community for sharing some information about yourself and your device. We use this information to manage our account and to improve the accuracy of our weather and forecast services. We have also shared this data for commercial purposes, such as your device location.

I have read and agree to the privacy policy.

☒ I Agree ☐ I Deny

Send Preferences

☐ I would like to receive email 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 \*

Country \*

Model \*

State / Province \*

Link type \*

City \*

Website

Time zone \*

Coordinates

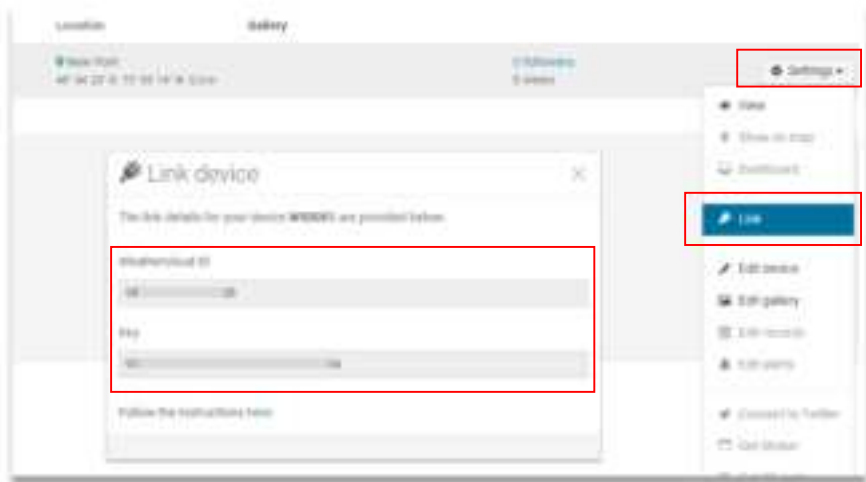
Latitude \*

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> <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>
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	<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

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

## **Manufacturer:**

Sainlogic HighTech Innovation Co.,LTD

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Jacksonville, FL 32256

United State

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