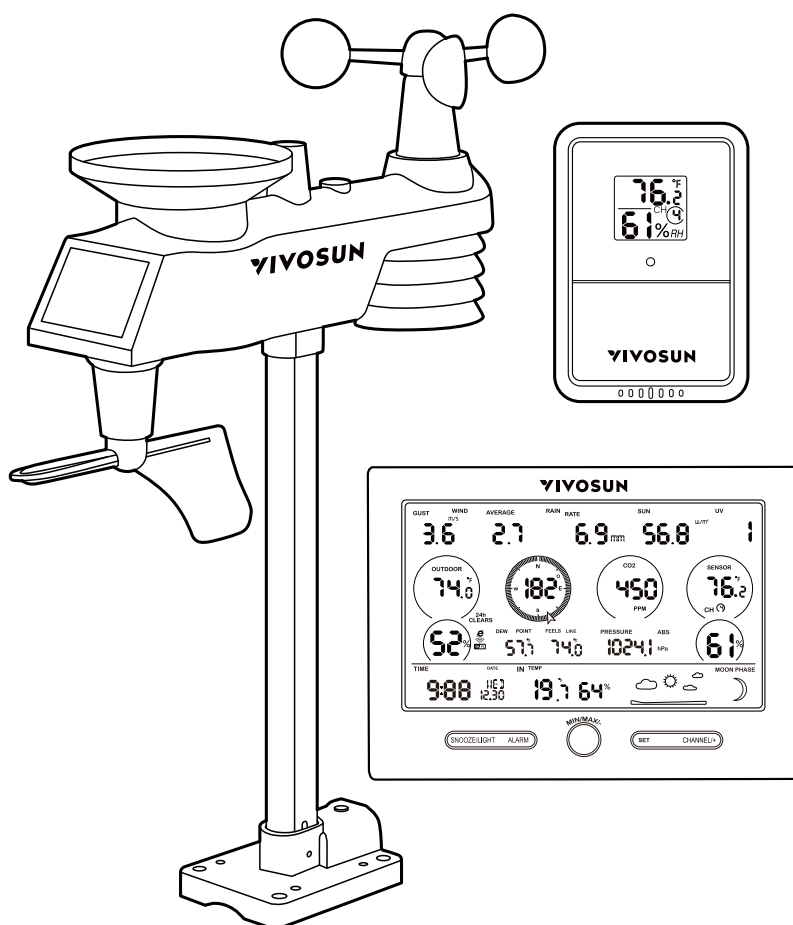


VIVOSUN

WIFI SIMPLE SETUP GUIDE

INSTRUCTION MANUAL



/ CONTENTS /

1. Weather Server Registration Guide.....	2
1.1 Sign up on Weathercloud.net.....	2
1.2 Sign up on Wunderground.com.....	5
2. WiFi Setup of Display Console.....	9
3. Quick Setup Instruction.....	11

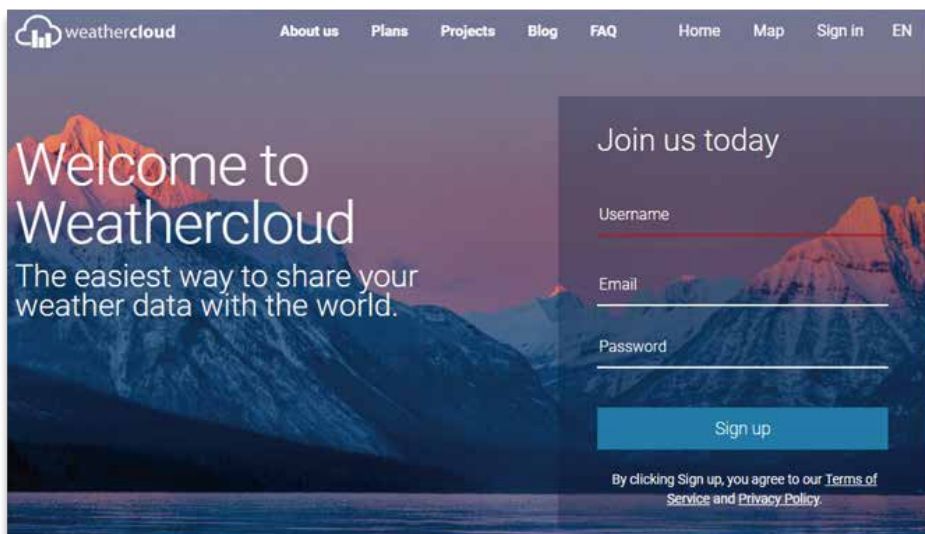
1. WEATHER SERVER REGISTRATION GUIDE

Note: If you have registered a Weathercloud or Wunderground account before, you only need to click “New Device” to add your new weather station information.

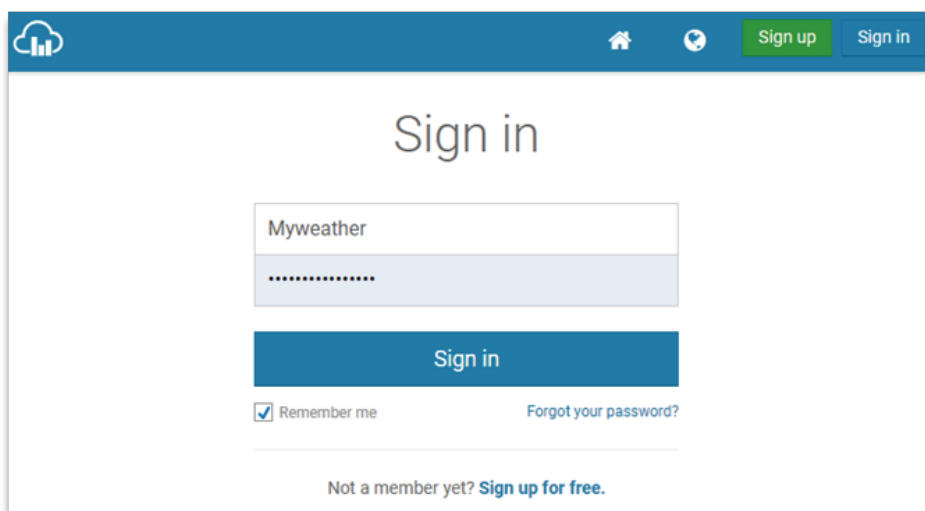
1.1 SIGN UP ON WEATHERCLOUD.NET

Note: You are advised to register on a laptop for a better experience.

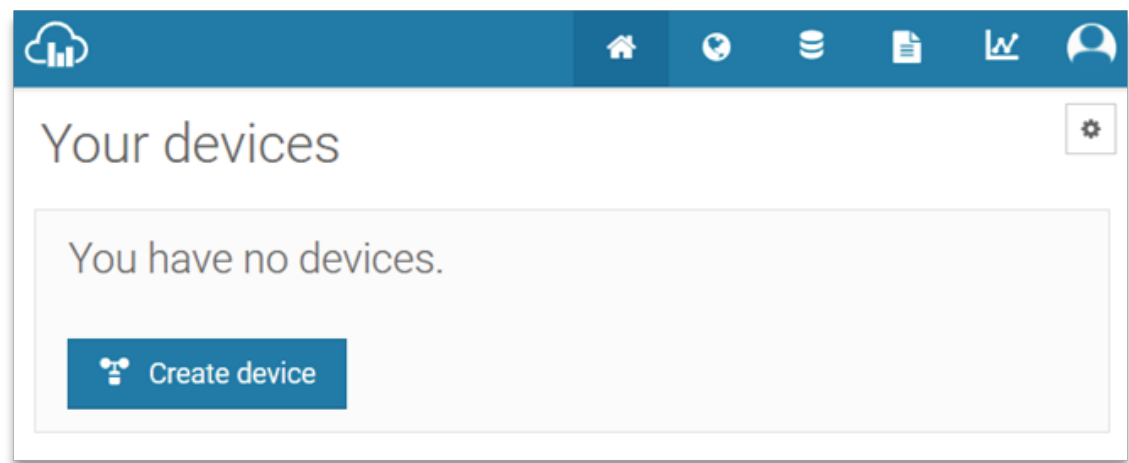
Visit <https://www.weathercloud.net> to sign up.

The image shows the Weathercloud website's registration 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 is a "Join us today" section with input fields for Username, Email, and Password, followed by a "Sign up" button. Below the button, it states "By clicking Sign up, you agree to our Terms of Service and Privacy Policy."

Sign in on the Weathercloud with Email and Password.

The image shows the Weathercloud website's sign-in page. The header includes the Weathercloud logo and navigation links: Home, Map, Sign up, and Sign in. The main content area features a large background image of a mountain range. In the center, there is a "Sign in" section with input fields for "Myweather" (username) and a password field (masked with dots). Below the password field is a "Sign in" button. Under the button, there is a checkbox labeled "Remember me" and a link "Forgot your password?". At the bottom, it says "Not a member yet? Sign up for free."

Click the “Create Device” button.



All the fields with a red star “*” blank need to be filled in.

Note: Select any name or “other” in the Model list and select any link type

Basic information		Location	
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"/>

Name: Input any name

Model: Select any mode or “other”

Link type: Select any link type

Country
State/Province
City
Time zone:
Input local address

Click “**Get Coordinates**” to identify your location.

Website

www.example.com

Time zone *

(UTC-04:00) New York

Description

Coordinates

Get coordinates

Latitude *

Longitude *

Elevation

0.0

m

Height

0.0

m

Click the “**Create**” button at the bottom to save and complete.

Coordinates

Get coordinates

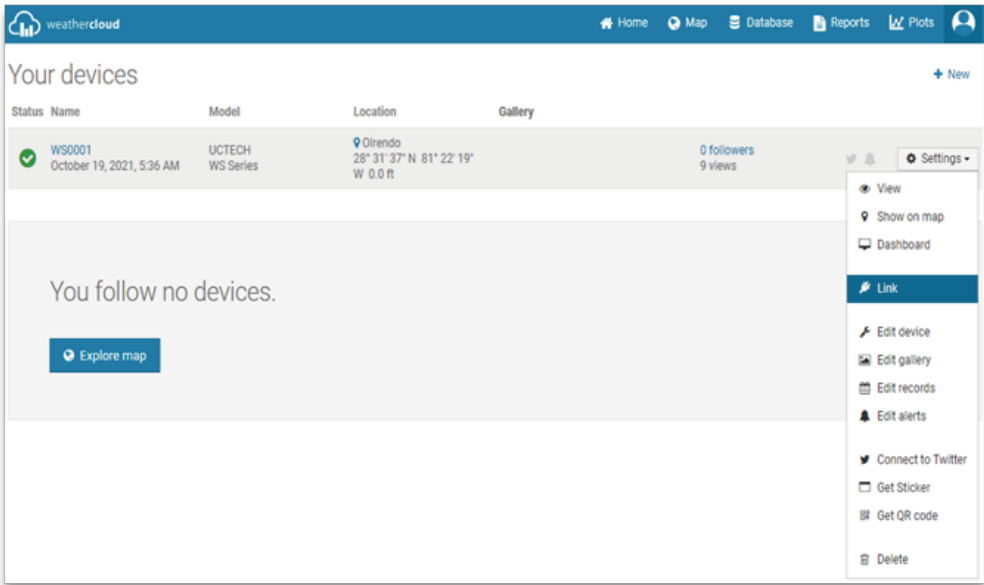
Latitude *

40.71277625634872

Longitude *

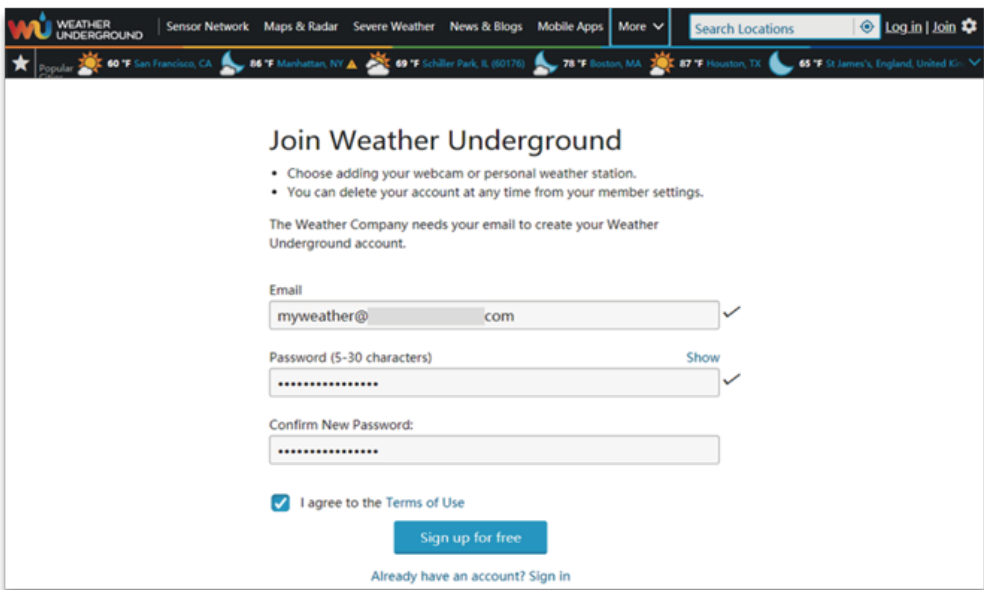
-74.00597425460125

Click the “Settings” button and select “link”. Copy and record the “Weathercloud ID” and “Key” information.

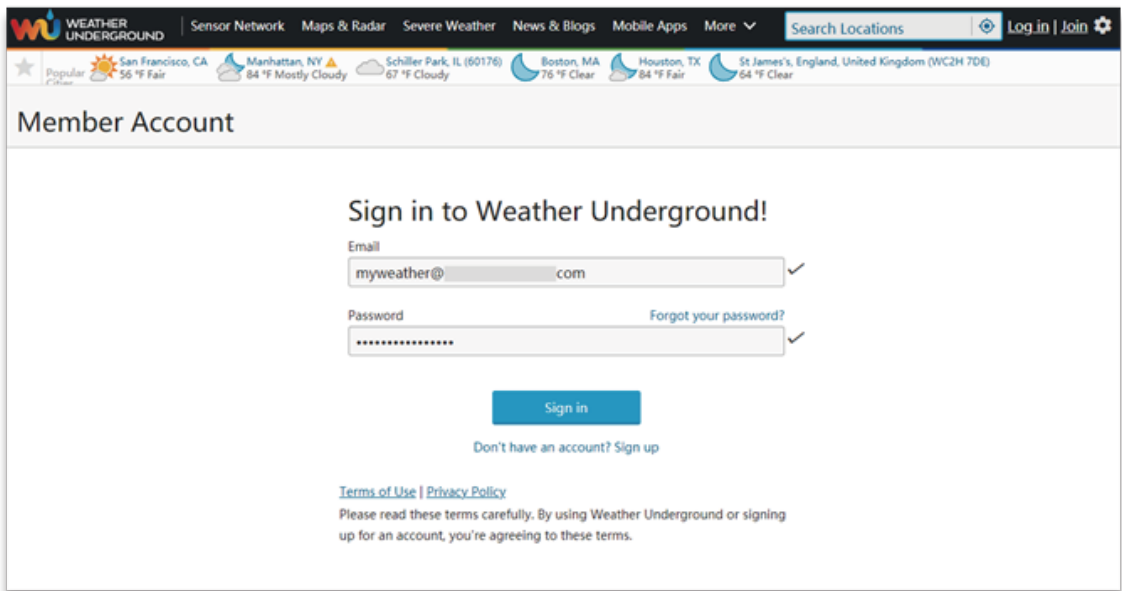


1.2 SIGN UP ON WUNDERGROUND.COM

Visit “<https://www.wunderground.com>” and click “Join” button. Fill in your Email and Password.

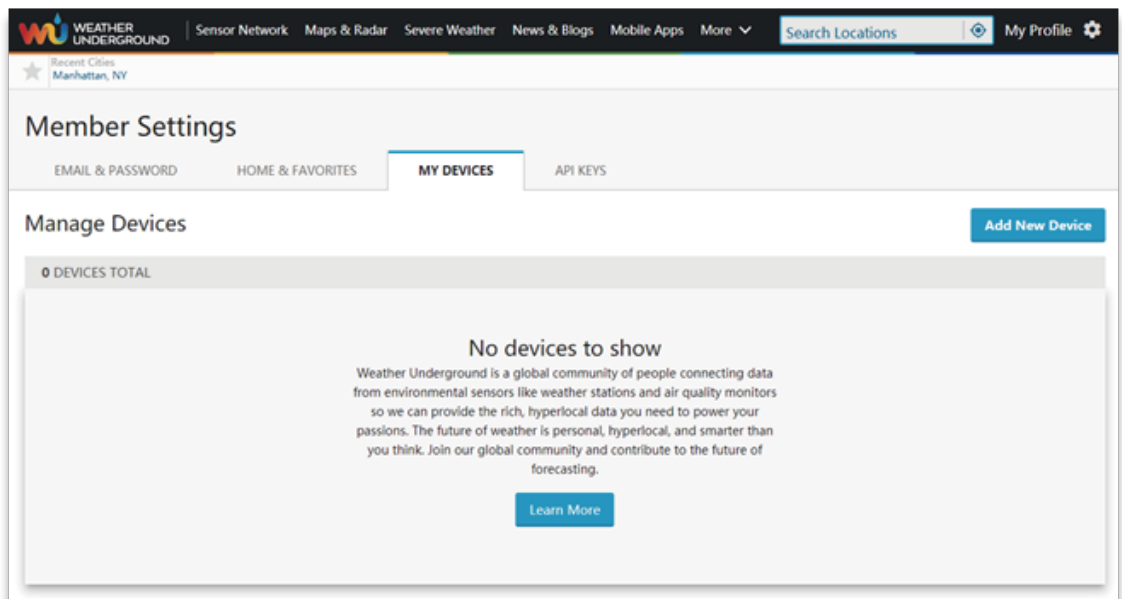


Sign in with your Email and Password.



The screenshot shows the Weather Underground website's sign-in page. At the top, there's a navigation bar with links like '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 weather forecasts for various cities is displayed. The main heading is 'Member Account'. The sign-in form includes an 'Email' field with the placeholder 'myweather@.com', a 'Password' field with masked characters, and a 'Forgot your password?' link. A blue 'Sign in' button is centered below the fields. Below the button, there's 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: 'Please read these terms carefully. By using Weather Underground or signing up for an account, you're agreeing to these terms.'

Click “My Profile” and select “My Devices” to Add New Devices.



The screenshot shows the 'Member Settings' page on the Weather Underground website. The 'MY DEVICES' tab is selected. The page title is 'Manage Devices'. There's an 'Add New Device' button in the top right corner. Below the title, it says '0 DEVICES TOTAL'. A message states 'No devices to show' and explains that Weather Underground is a global community of people connecting data from environmental sensors. A 'Learn More' button is at the bottom of the message box. The navigation bar at the top includes 'My Profile' and a settings gear icon.

Note: Select any model or other in the Personal Weather Station drop down List, then click “Next”.

There is no need to select any Outdoor Webcam here.

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

Recent Cities
Manhattan, NY

Add a New Device

TYPE | LOCATION | DETAILS | DONE

Select a Device Type

25%

Personal Weather Station

other ▾ Next

Outdoor Webcam

Select camera type ▾ Next

Cancel

Select or input your local address.
Click “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

Map showing location of Mounds View, IA.

Click “I Accept” and “Next”.

Name:(Required)	Surface Type:
<input type="text" value="WS0001"/>	<input type="text"/>
Elevation:(Required)	Associate Webcam:
<input type="text" value="4905"/>	<input type="text" value="Select WebCams"/>
Device Hardware:(Required)	
<input type="text" value="other"/>	
Height Above Ground:	
<input type="text" value="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.


Name: Input any name

Device Hardware: Select any model here

Copy and record the “Station ID” and “Key”.


WEATHER UNDERGROUND
Recent Cities
 Manhattan, NY

[Sensor Network](#)
[Maps & Radar](#)
[Severe Weather](#)
[News & Blogs](#)
[Mobile Apps](#)
[More ▾](#)

[My Profile](#)


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: KXXXXXXXXXX1

Station Key: DXXXXXXXXXXd

[Copy credentials](#)



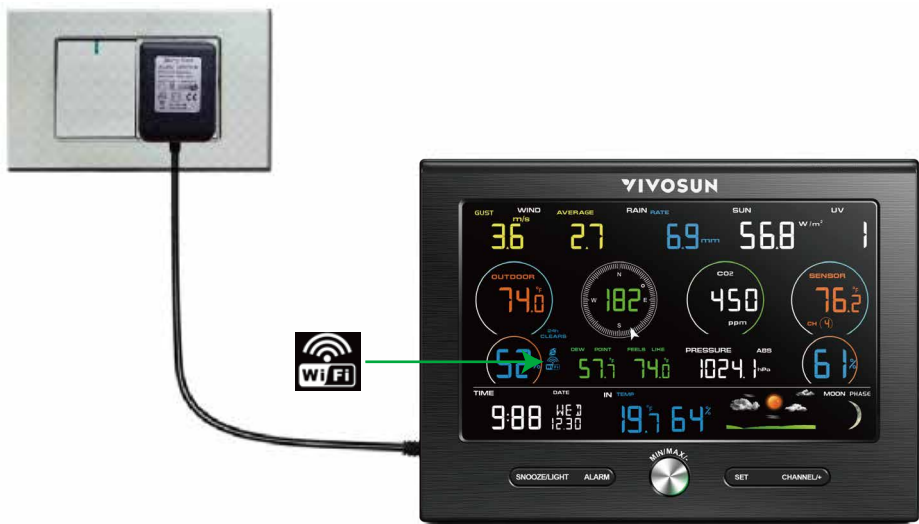
Configure Your Software

[View Devices](#)


2. WIFI SETUP OF DISPLAY CONSOLE

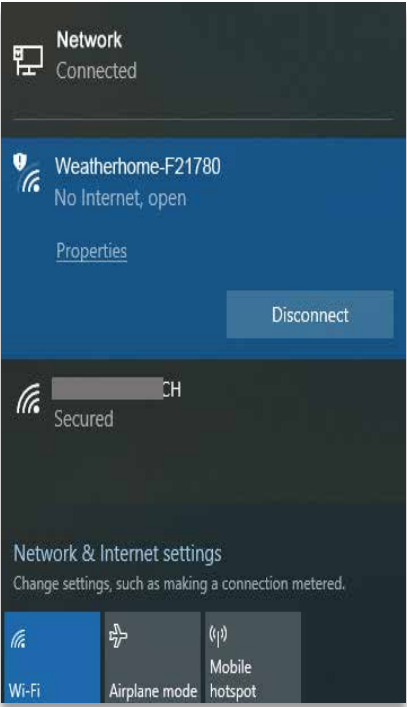
1. Plug in the adapter and power up the console.
2. Make sure the WiFi icon  is flashing.

When data is uploading, this icon  will appear.



Open your laptop's WiFi list and select the Weatherhome WLAN. (This network does not require any password; you can connect directly. If you are unable to connect, check if your firewall is stopping any unfamiliar network connections.)

Note: When powering up the console, if the WiFi displays without flashing press the Min/Max key 3 seconds until the WiFi word icon  is flashing.



After the WLAN is connected, enter the following IP address into any internet browser’s address bar: `http://192.168.5.1` (make sure you include the header “`http://`”, not just “`192.168.5.1`”) to access the console’s web interface.

Copy and paste ID and key information from the WU or WC website. Fill in all the other blank fields and click the “Save” button.

Click “Save” and “connected IP” will display, indicating that the connection has been successful and you can view your data on the WU or WC website.

← → ↻

http://192.168.5.1/

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

Weather Setting

Wi-Fi network setup

Network

CH

⋮


Select the menu and choose your 2.4 GHz WIFI router or type in your router name above.

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

Password

👁

→ Router's WiFi Password

Status:  Connected. IP: 192.168.10.220

Weather server setup

Upload wunderground.com

→ Confirm to upload into wundergournd.com

wunderground ID

K

1

→ Enter Your Station ID

Password

N

M

→ Enter Your Station Key

Upload weathercloud.net

→ Confirm to upload into weathercloud.net

weathercloud ID

98

ds

→ Enter Your Weathercloud ID

Key

907

dda

→ Enter Your Weathercloud Key

Time Zone Setup

Time Zone

(UTC-07:00) Mountain Time (US & Canada)

▼

→ Time Zone Settings

Automatically adjust clock for Daylight Saving Time ☒

→ DST ON/OFF

Save

→ Press Save to Confirm the Setting

Note: Once WiFi is connected and data is being uploaded, the WiFi and weather data uploading icons will remain solid.

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

3. QUICK SETUP INSTRUCTION

This instruction helps you verify whether the unit is working properly after unboxing.

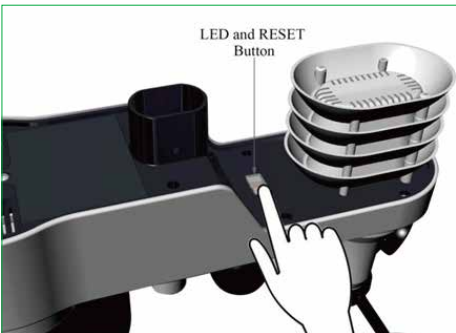
1. Install Batteries for Outdoor Sensor Array



Remove the battery door on the back of the sensor by removing the set screw.



Insert 3xAA batteries in the battery compartment.



Close the battery door and tighten the set screw. The sensor LED indicator will light for 3 seconds, and then flash once every 16 seconds thereafter. Each time it flashes, the sensor is transmitting data.

2. Plug in Adapter for Indoor Console

Pull out the stand on the back.




Connect the indoor console with the power adaptor.



No Outdoor Sensor Data



Outdoor Sensor Data Updates

The console instantly displays indoor information, and outdoor sensor data updates on the display within a few minutes. Do not press any buttons until the outside transmitter reports in, otherwise the outdoor sensor search mode will be terminated. When the outdoor transmitter data has been received, the console will automatically switch to normal mode from which all further settings can be performed. While in search mode, the remote search  icon will be constantly displayed.

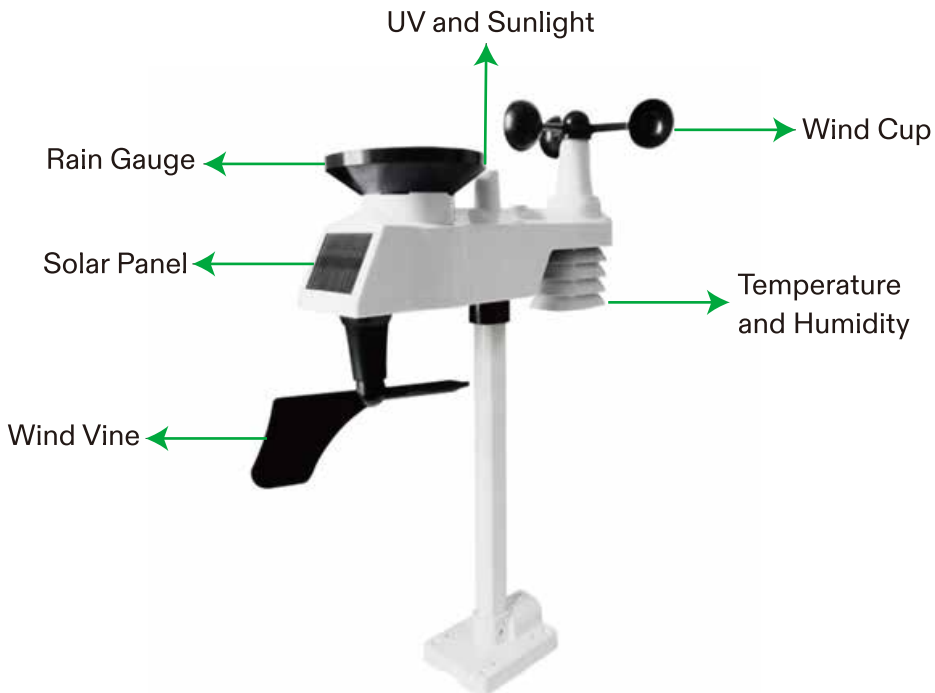
3. Sensors Verification

Put outdoor sensor array and the indoor console in the same, well-ventilated location.

1. Verify temperature and humidity. The difference between indoor and outdoor temperatures should be within 4°F/2°C. The difference between indoor and outdoor humidity should be within 10%. Usually the indoor temperature is a little bit higher than outdoor temperature due to warming up effect of the backlight. Let the unit stabilize for at least 30 minutes.

2. Verify wind speed and wind direction. Spin the wind cup and the wind vane and make sure the wind speed and wind direction information on the display updates.

3. Verifying Rain gauge. Tip the sensor array back and forth several times. You should hear a “clicking” sound within the rain gauge. Verify the rain reading on the display console is not reading 0.00. Each “click” represents 0.01 inches of rainfall.



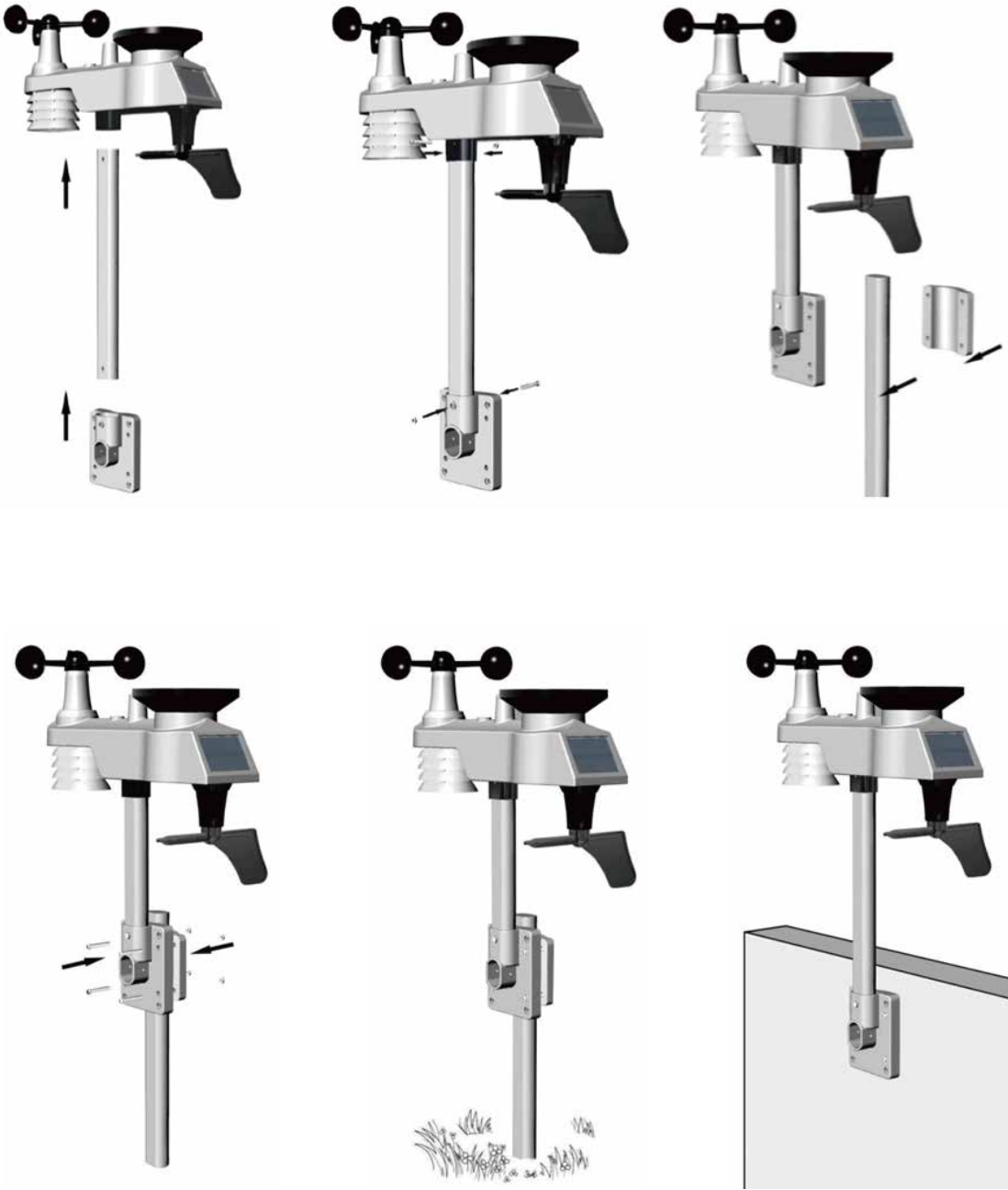
4. Outdoor Integrated Sensor Installation

Fasten the integrated transmitter to mounting pole brackets with foot-mounting, two $\varnothing 3$ bolts and M3 nuts. Tighten the mounting pole to your existing mounting pole with the four $\varnothing 5$ Bolts and M5 Nuts assembly, or fix on the wall with four tapping screws. Please ensure that the outdoor transmitter is fixed particularly tightly, otherwise windy conditions cause the transmitter to shake and thus misread the rainfall data.

Install the sensor array at least four times the distance of the height of the tallest obstruction.



Horizontal Installation



Vertical Installation



WIFI SETUP GUIDE

MANUAL



Chat Support



Product Inquiry



Orders FAQ



Product Assembly



Notes

DESIGNED BY **VIVOSUN** IN CALIFORNIA
Made in P.R.C