Citizens Weather Observing Program (CWOP)
Configuration for *MeteoBridge* Users
Including Ambient WeatherBridge versions

(Last updated: 13 August 2016)

1.) Gather Station Location Data

- You will need your Latitude and Longitude in decimal degrees, and Elevation in metres.
- See the How-To "Signing up for CWOP" for methods to obtain your station location data:
  www.weather.gov/media/epz/mesonet/CWOP-SignUp.pdf

2.) Get a CWOP Station ID:

   With any web browser, fill out the form at:
   http://www.findu.com/citizenweather/cw_form.html

> The CWOP website is a little "old-fashioned" and unpolished, and it contains far more information than the average user needs. Don't worry about the parts of the form mentioning "Packet Checking" and "MADIS tech support."

CITIZEN WEATHER PROGRAM REGISTRATION FORM

To obtain a DW number fill in the form below. You will receive an e-mail reply with your assigned number (similar to "DW1234").

If you have questions, please contact your software provider, or send email to Randy at NOAA. Several different ways to check your data packets are at **Packet Checking**.

If you also send your weather data to another internet site, please contact MADIS technical support so they will be aware of the possibility of duplicate data.

Thank you for participating in the Citizen Weather Program!

First name	John
Last name	Doe
email	johndoe@anonymous.net
Nearby town	Hurricane
State (country if outside US)	WV
Zip Code (if US)	25526
Elevation	215 (meters above sea level)

[Send my DW number!]

- Make sure you use a valid email address (don't worry – no SPAM).

- If you are a business or agency, you may wish to use its name in place of "First Name" and "Last Name." Otherwise, use whoever will be the primary contact.

- If you need help with any of these steps, or finding your location or elevation, send an email to: *cwop-support@noaa.gov*.

2.) Send the form, then make note of your CWOP Station ID:

> **Your Citizen's Weather Account Number is: DWxxxx**
>
> An email will be sent to John Doe (johndoe@anonymous.net) confirming this number.

3.) Connect to MeteoBridge software through a web browser:

- This assumes you've already physically setup your MeteoBridge and know its assigned IP address – see MeteoBridge documentation for more information.

- If you forgot the IP Address assigned to your MeteoBridge, please see the section "Findout IP" in the MeteoBridge "Getting Started" guide (http://www.meteobridge.com/wiki/index.php/Getting_Started).

  If you are connected to a wireless router, you may also be able to find the assigned IP address by accessing the router's configuration and viewing the list of connected devices.

  You may also use IP Scanning software. Some options are listed at http://www.ambientweather.com/wb.html.

- If you have the IP Address for your MeteoBridge, simply type the IP Address into your favorite web browser.

4.) Ensure Lat/Lon is Correct
When the MeteoBridge portal comes up, click on the 'System' Tab.
Ensure your Latitude and Longitude are correct, as well as your Time Zone.

If you make any changes, be sure to click on the "Save and Apply" button on the very bottom of the page (not shown).

| Setup Network | Select Station | Weather Network | Push Services | System | License | Live Data |

System

Platform:	Asus WL-330N3G
RAM:	29992 kB total, 5728 kB free (80% used)
Software Version:	Linux/OpenWrt 3.3.8 mips, MeteoBridge 1.0
Uptime:	0 hours, 2 minutes

Security

New Password:
New Password:
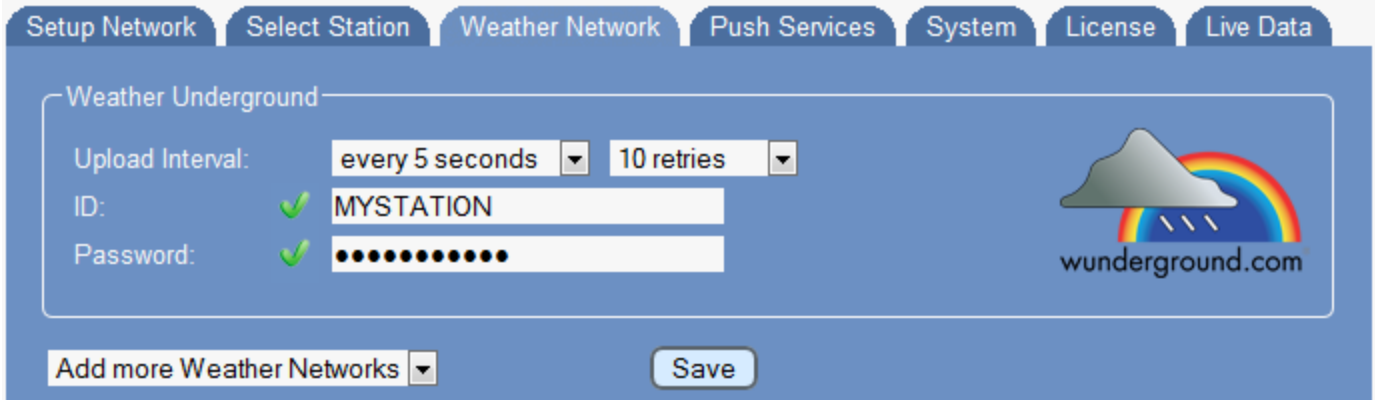Remote Support: ☑ Allow *smartbedded UG* remote login when provided the MAC

Localiziation

UTC:	2013-02-16 22:49
Local Time:	2013-02-16 23:49
Language:	English ▾ Download Language File
Timezone:	Europe/Berlin ▾	← Time Zone
Latitude:	[redacted] ⓘ	← Lat/Lon
Longitude:	[redacted] ⓘ
Annual Rain:	starts at January ▾

5.) Click on the "Weather Network" Tab.

- An entry for the Weather Underground (WU) Network comes up first by default. You may wish to send your data to WU as well as CWOP, but keep in mind that if you only send data to WU, your data does not get shared with NOAA/NWS, MesoWest, etc.
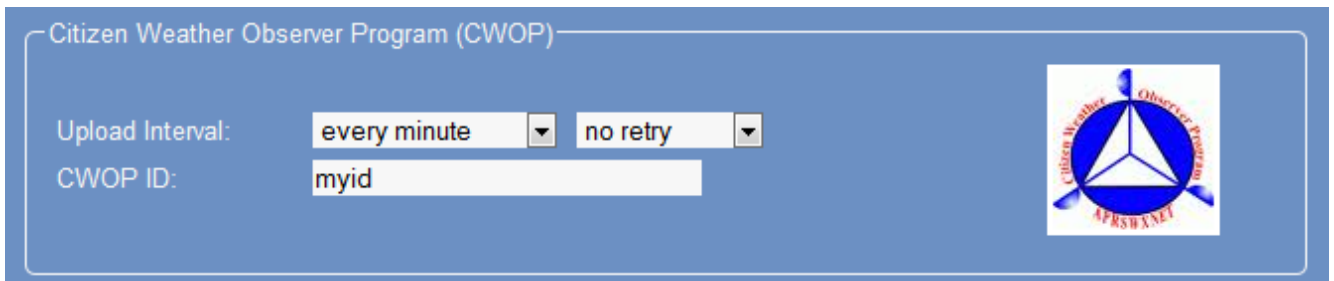

- Click on the "Add more Weather Networks" drop-down menu, and select 'Citizen Weather Observer Program (CWOP)'.

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- Set the "Upload Interval" to 'every minute' or 'every 5 minutes'.

- Enter the CWOP ID you received in Steps 1-2 (should begin with the letters 'EW').

- Click on the "Save" button.

6.) Check for Data:

- Browse to the following web address, using your CWOP Station ID at the end:
  http://www.findu.com/cgi-bin/wx.cgi?call=YOUR_CWOP_ID_HERE

- For example, if your Station ID was CW0958, you would enter:
  http://www.findu.com/cgi-bin/wx.cgi?call=CW0958

Note: It may take up to 15 minutes for data to start appearing.
Also Note: The date/time stamp used on the above site is in the form YYYYMMDDhhmmss in UTC time. For example "20120402145210" means April 2, 2012 at 14:52 UTC (and 10 seconds).

7.) Let us know you're online!

• You should receive an email from CWOP asking you to check your station location and make sure your data is flowing.

8.) MesoWest/MADIS Updates:

• After being added to the data feed, within a week your station's data should start showing up on web sites such as MesoWest (mesowest.utah.edu).