
Ambient Weather WeatherBridge Universal Weather Station Server Quick Start Guide



Table of Contents

1.	Introduction.....	2
2.	Packing List	3
3.	Connections.....	3
3.1	USB Connection.....	3
3.2	IP Connection	6
3.2.1	Davis Vantage Pro and VantageVue IP Data Logger	6
3.2.2	Acurite Internet-Bridge	6
3.2.3	Ambient Weather ObserverIP	6
4.	IP Addressing (finding the WeatherBridge)	7
4.1	Magic IP Finder (preferred).....	7
4.2	Software Scan Tool (alternate IP finder)	7
4.3	Reading the Blinks from the Status/Reset Light (alternate IP finder)	8
4.4	Using USB Stick (alternate IP finder)	9
5.	Browser Access	9
6.	License	9
7.	System.....	10
7.1	Network.....	10
7.2	Security (password).....	11
7.2.1	Remote Login.....	11
7.3	Localization	11
8.	Setup Network.....	13
8.1	Type of Connection and Configuring WiFi	13
8.2	IP Address.....	13
8.3	Restoring the default IP Address	13
8.4	Restoring to Factory Default	13
8.5	Advanced Network Settings	13
9.	Select Station.....	14
9.1	Weather Station Type.....	14
9.2	WeatherLinkIP (WLIP)	15
9.3	Altitude.....	15
10.	Live Data	17
11.	Weather Network.....	18
11.1	Wunderground.com (Weather Underground)	18
11.2	Other Web Hosting Services.....	19
12.	Push Services (Email, Twitter, http, ftp and mysql)	20
13.	Communication with PC and Mac software (Davis Instruments only)	21
13.1	WeatherLink Software.....	21
13.2	Virtual Weather Station	22
13.3	WeatherSnoop for Mac.....	23
14.	More Information	24
15.	Liability Disclaimer.....	24
16.	Warranty Information	25

1. Introduction



Note: For technical issues, please email the developer: info@meteohub.de.

Please reference Section 7.2.1 for instructions on providing remote access to the developer. Provide the URL and your password.

The following quick start programming guide provides basic instructions for connecting your WeatherBridge to your weather station and router and the Internet. This is a supplement to the detailed information provided at www.MeteoBridge.com.

Note: Ambient Weather uses the terms WeatherBridge and MeteoBridge interchangeably. WeatherBridge is the complete product, including the Linux computer (TP-LINK), and operating system. The operating system is referred to as MeteoBridge, developed by smartbedded UG, on the web at www.MeteoBridge.com.

Note: The WeatherBridge has been programmed and licensed by Ambient Weather before you receive it. For warranty replacement, please contact Ambient Weather directly. Ambient Weather warranties this product for 1 year.

2. Packing List

The packing list is as follows:

No	Description	Image
1	WeatherBridge Computer	
2	WeatherBridge Power Adapter	
3	WeatherBridge Power USB Cable	
4	Ethernet Cable	
5	USB Hub Converter (optional)	

Figure 1

3. Connections

There are two weather station connections supported by the WeatherBridge:

1. USB (reference Section 3.1)
2. TCPIP (reference Section 3.2)

3.1 USB Connection

Connect the WeatherBridge Computer as follows (reference Figure 2 and Figure 3):

1. Connect the weather station USB connection into the USB port on the WeatherBridge.

Note: If you have a Davis Instruments WeatherLink 6510USB USB data logger, connect one end of your data logger into the console (refer to the 6510USB data logger instructions), and

the other end into the USB Hub (Figure 3).

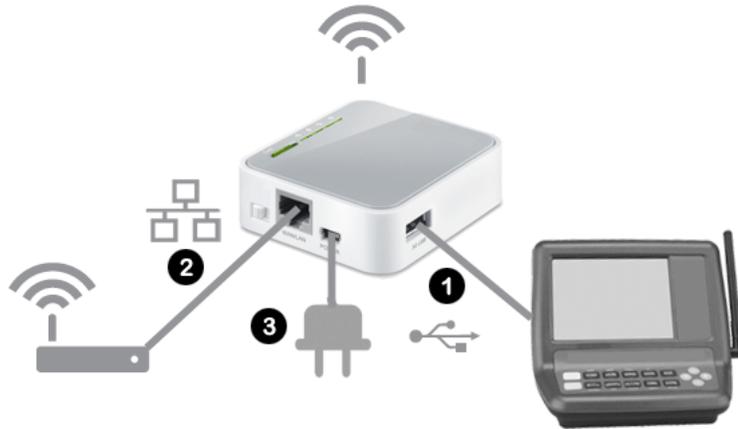


Figure 2
USB Connection

If your weather station does not support USB 2.0, you will need to connect the USB hub (optional) between the weather station console and the WeatherBridge, as shown in Figure 3.

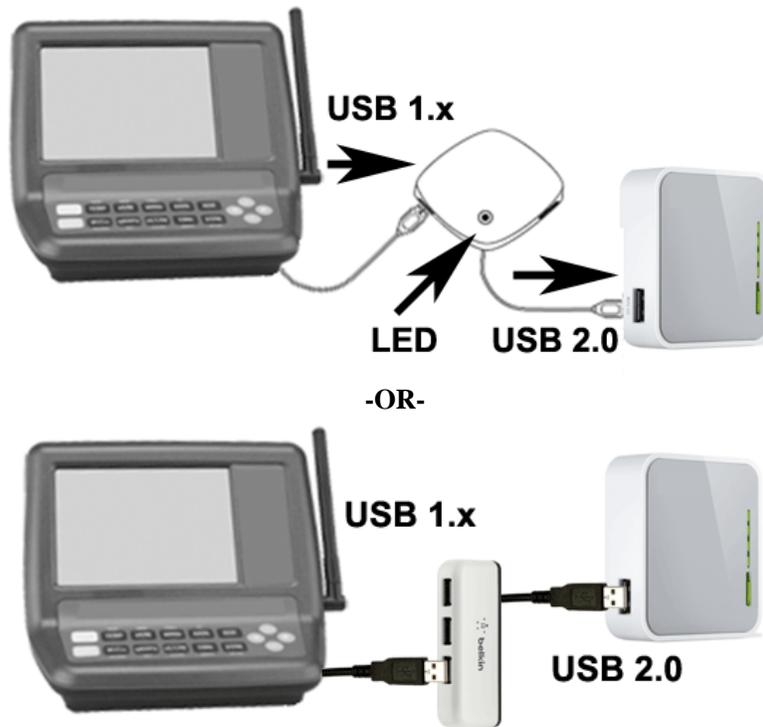


Figure 3

Optional USB Hub/Converter for 1.x Devices. Carefully note the USB Hub output connections to the WeatherBridge.

The following table summarizes the USB version for most weather stations:

Weather Station	USB
Ambient Weather (WS-1080, WS-1090, WS-2080)	1.X
Davis Instruments VantagePro, VantagePro2 and VantageVue 6510USB and 6520 WeatherLink Data Logger	1.X
Fine Offset WH-1080, WH-2080, WH-3080	1.X
Honeywell / Meade TE923, TE827, TE821, DV928, Hideki, Mebus, IROX	1.X
La Crosse/ELV: WS-2300 Series, WS-300-PC, WS-300-PC-2, WS-300-PC-US, WS-444, WS-500 , WS-550-Technoline, WS-550-US, WS-550-2-US, WS-777, WS-888, WDE1	1.X
Oregon Scientific WMR-88, WMR-100, WMR-200, WMRS-200	1.X
Peet Bros: Ultimeter 100/800/2000/2100/II (requires USB to Serial Converter)	Check your device
Rainwise MKIII Series, serial data logger (requires USB to Serial Converter)	Check your device
USB to Serial converters	Check your device

Use USB Hub for 1.X. No USB hub required for 2.0.

2. Connect the WeatherBridge to your router or switch.
Note: a cabled connection is required to configure the device. It can later be disconnected after the optional WiFi LAN is configured.
3. Connect the AC power adaptor to the WeatherBridge. The power light will turn ON (reference **Figure 4**).

The Status/Reset light will flash slowly, then rapidly, then solid green. This process can take several minutes. Once the status/reset light is solid green, you are ready to begin.

If it does not turn green, and continues to flash rapidly, it has not made a connection to the Internet. Check your connections and firewall settings.

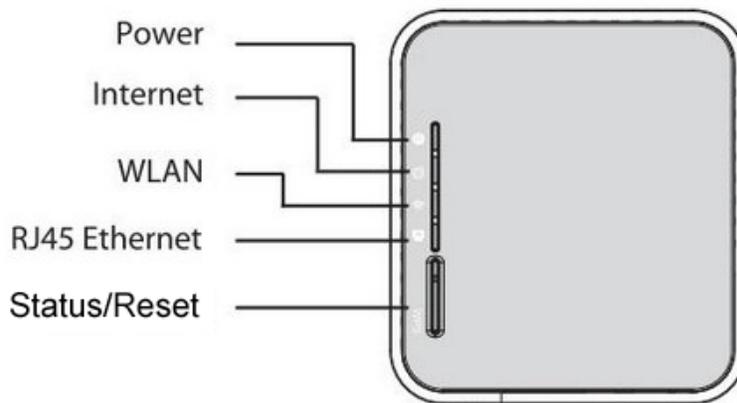


Figure 4
Status Lights

Note: If you have a Davis Instruments WeatherLinkIP 6555 data logger, reference Section

3.2.

Note: If you have a weather station with a serial port, you will need a USB converter and serial cable available here:

<http://www.ambientweather.com/cousbto9sead.html> and
<http://www.ambientweather.com/secoca6.html>

3.2 IP Connection

3.2.1 Davis Vantage Pro and VantageVue IP Data Logger

Connect both your VantageVue 6555 IP Data Logger and the WeatherBridge into the same router, as shown in Figure 5.

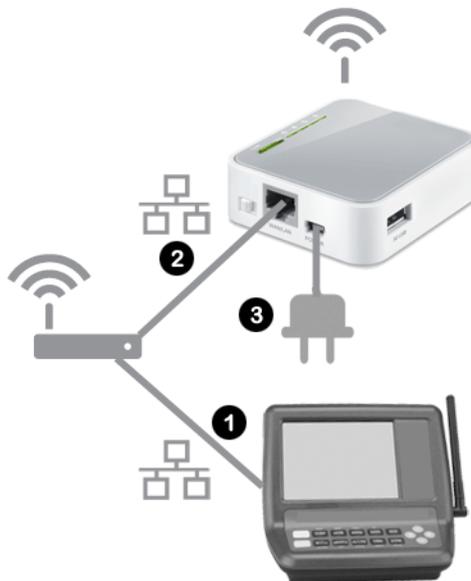


Figure 5

The Davis Instruments 6555 and WeatherBridge communicate over your local area network.

3.2.2 Acurite Internet-Bridge

The Acurite Internet-Bridge can only be used when WeatherBridge is connected to your LAN via WiFi, as it needs the LAN port to be directly connected to the Acurite Internet-Bridge by means of an Ethernet cable. Furthermore, "LAN Bridge" option on the network tab must be enabled to allow the Acurite Internet-Bridge to connect to the Internet as before. WeatherBridge will "sniff" weather data from the TCP traffic, and the Acurite Internet-Bridge data will pass through WeatherBridge.

3.2.3 Ambient Weather ObserverIP

1. Connect both your Ambient Weather ObserverIP and the WeatherBridge into the same router, as shown in Figure 6.

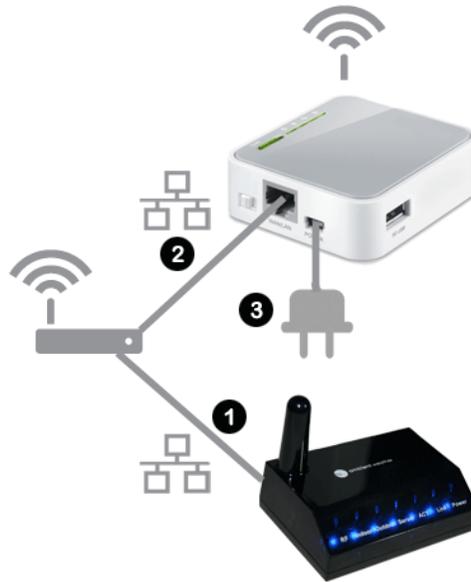


Figure 6

The Ambient WeatherObserverIP and WeatherBridge communicate over your local area network.

4. IP Addressing (finding the WeatherBridge)

There are several different ways to read the IP address of the WeatherBridge (easiest first):

- Use the Magic IP Finder (preferred). Reference 4.1.
- Use a network software scan tool. Reference 4.2.
- Read the blinking Status/Reset Lights. Reference 4.3.
- Write IP address to a USB stick (optional). Reference 4.4.

4.1 Magic IP Finder (preferred)

If the WeatherBridge Status light is solid green, it has made a connection to the internet. Simply type the following web address into your computer's web browser, and the MagicIP Finder will find your IP:

<http://magicip.meteobridge.com>

The date and time of the last successful connection will be recorded. Here is an example:

Meteobridge TL-MR3020 (MAC A0:F3:C1:C9:34:EE) with LAN IP [192.168.0.42](#) at 2013-02-19 20:25:29.

If prompted for the Username and Password, enter:

Username: meteobridge

Password: meteobridge

4.2 Software Scan Tool (alternate IP finder)

The WeatherBridge is programmed from the factory for dynamic addressing (or DHCP). This allows you to address the unit from any computer on your network without modifying the IP address.

However, since it is dynamic, you will have to determine the address that was assigned to the unit.

To determine this address, download a free IP scan tool here:

<http://www.advanced-ip-scanner.com>

For Mac and Linux users, visit:

<http://www.angryip.org/w/Download>

Select the **Scan** button in the software. After the scan is complete, locate the IP address associated with the Mac Address of the MeteoBridge. The prefix will begin with one of the following:

90:F6:52:xx:xx

A0:F3:C1:xx:xx

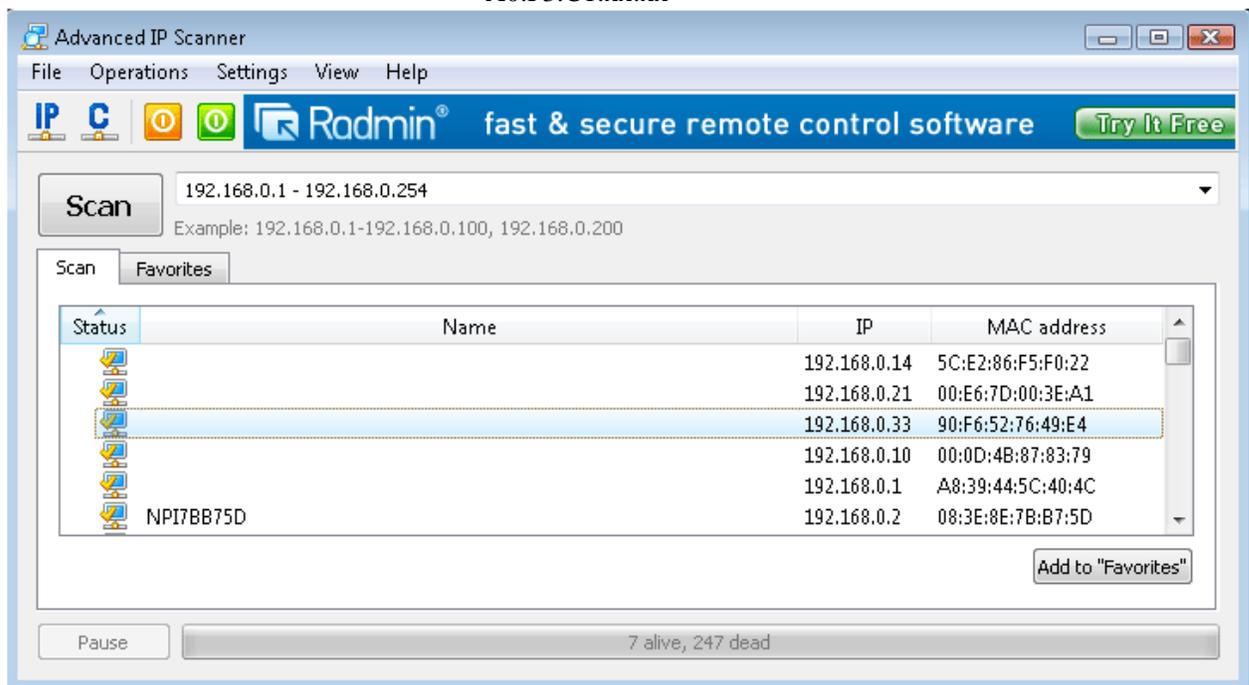
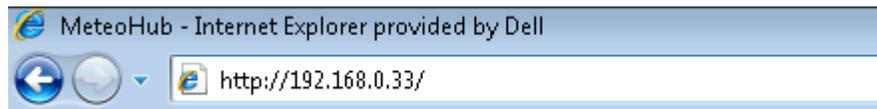


Figure 7

In the example above, type `http://192.168.0.33` into your browser to begin communicating to the MeteoBridge.



4.3 Reading the Blinks from the Status/Reset Light (alternate IP finder)

To read the IP address from the Status/Reset light, wait for the Status/Reset LED to stop blinking (when booting up, it will blink slowly, then quickly, then solid on). This process may take several minutes.

Press the Status/Reset button, then immediately let go to begin. It is helpful to have a paper and pen

handy to write down the coded LED response.

The LED will turn off, then start blinking the IP pattern with a combination of medium flashes, separated by long flashes. The medium flashes represent the IP address and the long flash represents the dot separator.

This is best understood with an example:

Example: IP 192.168.10.77

Legend: M = Medium flash, L = Long Flash, _ = LED is OFF

Signal	Comment
_M_M_M_M_M_M_M_M_M_M_M_M_L	192
_M_M_M_M_M_M_M_M_M_M_M_M_M_L	168
_M_M_M_M_M_M_M_M_M_M_M_L	10
_M_M_M_M_M_M_M_M_M_M_M_M_M	77

In the example above, type `http://192.168.10.77` into your browser to begin communicating to the MeteoBridge.

4.4 Using USB Stick (alternate IP finder)

A blank USB stick is optional with this package. If the weather station is connected to the USB port, disconnect the weather station and insert the blank USB stick into the WeatherBridge.

Press the Status/Reset button, then immediately let go to begin. Wait for the LED to turn back on, then disconnect the USB stick from the WeatherBridge and insert into the USB port on your computer. Your computer should recognize this file and display the directory.

The following file will be written to the USB stick:

network.log

Open this file with any text editor (such as notepad).

```
Sat Jan 5 00:23:16 UTC 2013
MAC:      xx:xx:xx:xx:xx:xx
LAN IP:   192.168.123.245
```

In the example above, type `http://192.168.123.245` into your browser to begin communicating to the WeatherBridge.

5. Browser Access

Enter the IP address found in the previous step into your web browser.

If prompted for the Username and Password, enter:

Username: meteo-bridge

Password: meteo-bridge

6. License

From the Menu tab, select **License**, as shown in Figure 8. Record the **License Key** for warranty purposes:

License Key (case sensitive):

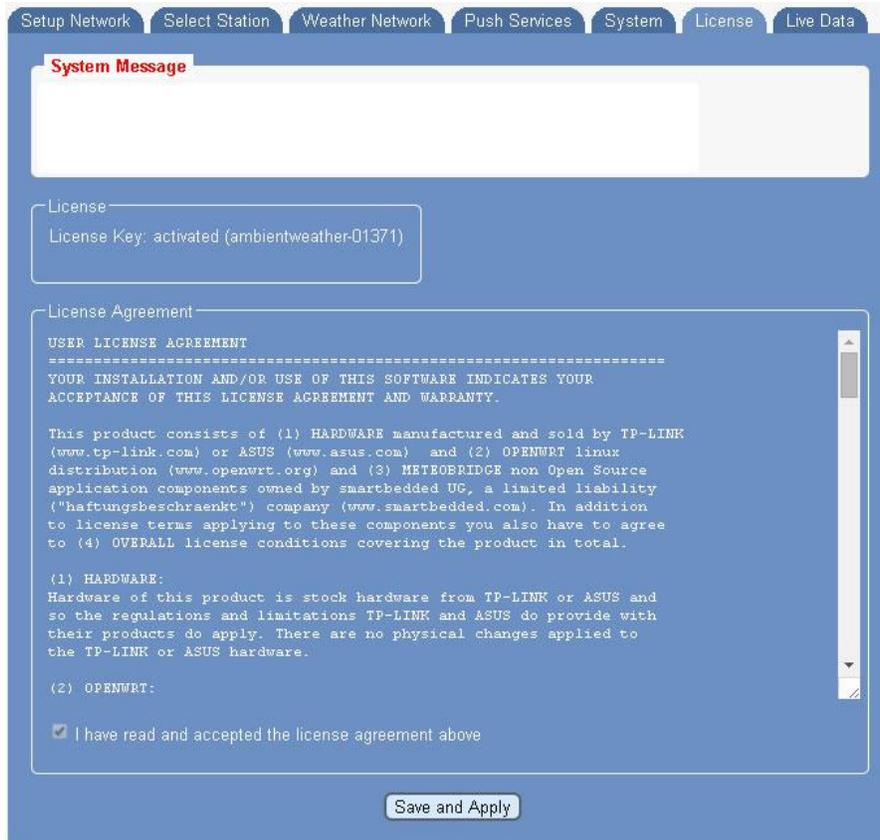


Figure 8
License Key

7. System

From the Menu tab, select **System**.

7.1 Network

Record the **Mac Address** for warranty purposes, as shown in Figure 10.

Note the IP address for future reference. This IP address should not change unless changes to the router are made.

MAC Address:

IP Address:

7.2 Security (password)

The default username and password is meteobridge and meteobridge. There is likely no need to change this, but you can enter a new username and password. Record the changed username and password here for future reference:

Username: (default is meteobridge)
Password: (default is meteobridge)

To make the changes permanent, select **Save and Apply**.

7.2.1 Remote Login

To login remotely, from the System Tab, select the checkbox Allow login from the internet via [this URL](#).

Note: It can take up to one hour for this remote login URL to become active.



The screenshot shows a blue-tinted panel titled "Security". It contains two "New Password:" labels, each followed by a white input field. Below these is an "Internet Login:" label followed by a checkbox and the text "Allow login from the Internet via [this URL](#)".

Figure 9

7.3 Localization

Enter the appropriate time zone, longitude and latitude, and select **Save and Apply**.

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

System Message

System

Platform:	TP-LINK TL-MR3020	
RAM:	29364 kB total, 5616 kB free (80% used)	
Software Version:	Linux 3.3.8 mips (BE), FW 1.4, MeteoBridge 2.3 (4561)	
Version Control:	newest on next reboot	
Uptime:	0 hours, 33 minutes Buffer Usage:	

Security

New Password:

New Password:

Internet Login: Allow login from the Internet via [this URL](#)

Localization

UTC: 2014-08-06 17:14

Local Time: 2014-08-06 17:14

Language: English Download Language File

Timezone: UTC

Latitude: i

Longitude: i

Annual Rain: starts at January

Network

MAC:	10:FE:ED:B1:22:5E	
LAN IP:	192.168.0.73	WLAN IP: --
LAN Mask:	255.255.255.0	WLAN Mask: --
Gateway:	192.168.0.1	
DNS:	127.0.0.1	
WAN IP:	71.209.174.52	

Messages

```

-- -- --
logger (06.08.2014 16:53:20): No historical data loaded.
logger (06.08.2014 16:53:20): data logger (version 4.9z, build 4561) started.
logger (06.08.2014 16:58:51): child process received timeout signal (14).
logger (06.08.2014 16:58:51): data logger stopped.
logger (06.08.2014 16:58:51): No historical data loaded.
logger (06.08.2014 16:58:51): data logger (version 4.9z, build 4561) started.
logger (06.08.2014 17:04:22): child process received timeout signal (14).
logger (06.08.2014 17:04:22): data logger stopped.
logger (06.08.2014 17:04:22): No historical data loaded.
logger (06.08.2014 17:04:22): data logger (version 4.9z, build 4561) started.
logger (06.08.2014 17:09:53): child process received timeout signal (14).
logger (06.08.2014 17:09:53): data logger stopped.
logger (06.08.2014 17:09:53): No historical data loaded.
logger (06.08.2014 17:09:53): data logger (version 4.9z, build 4561) started.
                
```

Save and Apply
Reboot

Figure 10

8. Setup Network

From the Menu tab, select **Setup Network**

8.1 Type of Connection and Configuring WiFi

The default network connection setting is LAN, DHCP (dynamically assigned IP address).

To connect to your wireless network, select the Wireless LAN option and enter the wireless network settings, as shown in Figure 11.

To convert from LAN to Wireless LAN, select **Save and Apply and Reboot**, and disconnect from your router. The IP address will likely remain the same and can be accessed in a few minutes through your browser.

8.2 IP Address

You can change from DHCP to manually assigning the IP address, as shown in Figure 11 (this is only an example, your network settings will be different). In most cases, you will not need to change the IP address to a static IP on your network.

To convert from DHCP to statically assigned IP address, select **Save and Apply and Reboot**.

The IP address can be accessed in a few minutes through your browser. Wait until the status light on the WeatherBridge transitions from blinking rapidly to a solid.

8.3 Restoring the default IP Address

In the event the IP address cannot be accessed and the status light is blinking rapidly, plug the WeatherBridge into your router, press and hold the status light until it blinks once, then let go. The WeatherBridge will reboot and wait until the status on the WeatherBridge transitions from blinking rapidly to a solid.

8.4 Restoring to Factory Default

To restore the WeatherBridge to factory default, plug the WeatherBridge into your router, press and hold the status light until it blinks five times, then let go. The WeatherBridge will reboot and wait until the status on the WeatherBridge transitions from blinking rapidly to a solid.

8.5 Advanced Network Settings

If you are having issues communicating over your Local Area Network (LAN) or Wireless Area Network (WLAN), we recommend reviewing the following guide:

http://meteobridge.com/wiki/index.php/Setup_Network#Type_Of_Connection

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

System Message

Wizard: Please visit tab 'Select Station', finalize setup and press 'Save'
 Wizard: Please visit tab 'Weather Networks', finalize setup and press 'Save'
 Wizard: Please visit tab 'System', finalize setup and press 'save and apply'

Type of Connection

LAN

Wireless LAN

SSID: ▼

WLAN Region: ▼

Encryption: ▼

Mode: ▼

Passphrase:

LAN Bridge: integrate client on Meteobridge's LAN adapter into WLAN

IP Addresses

Receive automatically (DHCP)

Set manually

IP:

Netmask:

Gateway:

DNS:

Advanced Settings

Use Proxy

Server: http://

Port:

Figure 11

9. Select Station

9.1 Weather Station Type

Reference Figure 12. From the Menu tab, choose **Select Station**.
 Select your weather station type and then **Save**.

IMPORTANT NOTE: If you own a Davis weather station USB or Serial data logger, DO NOT enter a value for WLIP. Leave this field blank. This is reserved for the WeatherLinkIP data logger.

9.2 WeatherLinkIP (WLIP)

If you own a Davis Instruments WeatherLinkIP data logger (6555), enter the WLIP address. Otherwise, leave this blank.

Enter the IP and port (separated by a colon) in the "WLIP" input field (example: "192.168.1.222:22222").

This will tell WeatherBridge to connect this station over your LAN/WLAN (in the example on IP 192.168.1.222 at port 22222) and not the USB port.

To obtain the WeatherLink IP settings, you will need to run the WeatherLink software that came with the WeatherLinkIP and select Setup | Communications port to identify the IP address and port number.

9.3 Altitude

Enter your station altitude in meters. The WeatherBridge will automatically calculate the sea-level corrected pressure (or relative pressure) from the measured pressure (or absolute pressure).

To convert feet to meters:

1 foot = 0.3048 meters

Example: I live at 1,000 feet. What is the altitude in meters?

Altitude (meters) = 1,000 feet x 0.3048 meters/foot = 304.8 meters.

Note: Your console relative pressure may be different than the WeatherBridge calculated pressure because of the difference in the methodology of calculating relative or sea-level corrected pressure.

System Message

Weather Station

- Davis: Vantage Pro2, Vue
 - Davis: Envoy8x
 - Oregon Scientific: WMR-100, WMR-88
 - Oregon Scientific: WMR-200
 - Oregon Scientific: WMR-S-200
 - Oregon Scientific: WMR-988, WMR-928
 - Ambient Weather: WS-1090/2080/2090
 - Fine Offset WH-1080/2080/3080
 - Meade TE923, TE827, TE821, DV928
aka Hideki, Mebus, IROX
 - Peet Bros: Ultimeter 100/800/2100
 - Rainwise: Mk III
 - Acurite: 1025/1035/1525 (use "USB Mode 3")
 - Acurite: Internet-Bridge unlink sensors
 - La Crosse/ELV: WS-2300
 - La Crosse/ELV: WS-300-PC
 - La Crosse/ELV: WS-300-PC-2
 - La Crosse/ELV: WS-300-PC-US
 - La Crosse/ELV: WS-444
 - La Crosse/ELV: WS-500
 - La Crosse/ELV: WS-550-Technoline
 - La Crosse/ELV: WS-550-US
 - La Crosse/ELV: WS-550-2-US
 - La Crosse/ELV: WS-777
 - La Crosse/ELV: WS-888
 - HomeMatic/ELV: WDC 7000
 - ELV: WDE1
 - Luftt: WS800
 - Ambient Weather: Observer-IP
 - Meteostick: WS1000 unlink sensors
 - Meteostick: Vantage Rain
- [more Davis Sensors](#)

Meteobridge Weather Cam

- none
- Ubiquiti Cam
Version 1.1
- External Picture

Local Settings

Station Altitude:	<input type="text" value="0"/> <input type="text" value="meters"/>	Pressure Correction:	<input type="text" value="0.000"/> <input type="text" value="mbar/hPa"/>
Tolerated age of data:	<input type="text" value="10 minutes"/>	Temperature Offset:	<input type="text" value="0.0"/> <input type="text" value="°C"/>
Save historical data:	<input type="text" value="every 10 minutes"/>	Rain Multiplier:	<input type="text" value="1.0"/>
Wind Direction Adder:	<input type="text" value="0"/> °	Humidity Stretch:	<input type="text" value="0.0"/> →0% <input type="text" value="100.0"/> →100%

Save

Figure 12

10. Live Data

To view the live data from your weather station, select the Live Data tab. To refresh the data, select the refresh button from your web browser.

The most common issues to no live data are:

- The incorrect weather station is selected
- The weather station USB port has locked up and needs to be reset. To reset your weather station console, reference your weather station user manual. Most consoles require you power down and power up again.

Reference Figure 13 for the typical live data presentation.

Setup Network
Select Station
Upload Data
System
License
Live Data

Weather Network Status

Weather Underground: Upload disabled

Live Data

Sensor	Signal	Metric Data	Imperial Data
Rain	12 sec	rate 0.0mm/h	rate 0.00in/h
Outdoor	12 sec	23.6°C 12% (dew -7.5°C)	74.5°F 12% (dew 18.5°F)
Indoor	12 sec	24.7°C 17% 975.5hPa (976hPa)	76.5°F 17% 28.81inHg (28.81inHg)
Wind	12 sec	0.0m/s (avr 0.0m/s) 0° N	0.0mph (avr 0.0mph) 0° N

Historical Data

Sensor	Unit	Now 12:01			Today Tue 22		Month Jan		Year 2013	
			min	max	min	max	min	max	min	max
Indoor	temp	24.7°C	23.5°C	24.7°C	20.3°C	60.0°C	20.3°C	60.0°C	20.3°C	60.0°C
		76.5°F	74.3°F	76.5°F	68.5°F	140.0°F	68.5°F	140.0°F	68.5°F	140.0°F
Indoor	hum	17%	17%	21%	15%	55%	15%	55%	15%	55%
Indoor	dew	-2.0°C	-2.1°C	0.7°C	-5.7°C	47.7°C	-5.7°C	47.7°C	-5.7°C	47.7°C
		28.4°F	28.2°F	33.3°F	21.7°F	117.9°F	21.7°F	117.9°F	21.7°F	117.9°F
Indoor	press	975.5hPa	973.3hPa	976.6hPa	970.7hPa	984.0hPa	970.7hPa	984.0hPa	970.7hPa	984.0hPa
		28.81in/Hg	28.74in/Hg	28.84in/Hg	28.66in/Hg	29.06in/Hg	28.66in/Hg	29.06in/Hg	28.66in/Hg	29.06in/Hg
Indoor	seapress	975.5hPa	973.3hPa	976.6hPa	970.7hPa	984.0hPa	970.7hPa	984.0hPa	970.7hPa	984.0hPa
		28.81in/Hg	28.74in/Hg	28.84in/Hg	28.66in/Hg	29.06in/Hg	28.66in/Hg	29.06in/Hg	28.66in/Hg	29.06in/Hg
Rain	rate	0.0mm/h	0.0mm/h	0.0mm/h	0.0mm/h	1.5mm/h	0.0mm/h	1.5mm/h	0.0mm/h	1.5mm/h
		0.00in/h	0.00in/h	0.00in/h	0.00in/h	0.06in/h	0.00in/h	0.06in/h	0.00in/h	0.06in/h
Rain	total			0.0mm		0.9mm		0.9mm		0.9mm
				0.00in		0.04in		0.04in		0.04in
Outdoor	temp	23.6°C	23.0°C	23.6°C	23.0°C	26.4°C	23.0°C	26.4°C	23.0°C	26.4°C
		74.5°F	73.4°F	74.5°F	73.4°F	79.5°F	73.4°F	79.5°F	73.4°F	79.5°F
Outdoor	hum	12%	12%	12%	10%	13%	10%	13%	10%	13%
Outdoor	dew	-7.5°C	-7.9°C	-7.5°C	-8.6°C	-5.9°C	-8.6°C	-5.9°C	-8.6°C	-5.9°C
		18.5°F	17.8°F	18.5°F	16.5°F	21.4°F	16.5°F	21.4°F	16.5°F	21.4°F
Wind	wind	0.0m/s	0.0m/s	0.0m/s	0.0m/s	4.4m/s	0.0m/s	4.4m/s	0.0m/s	4.4m/s
		0.0mph	0.0mph	0.0mph	0.0mph	9.8mph	0.0mph	9.8mph	0.0mph	9.8mph
Wind	avwind	0.0m/s	0.0m/s	0.0m/s	0.0m/s	4.1m/s	0.0m/s	4.1m/s	0.0m/s	4.1m/s
		0.0mph	0.0mph	0.0mph	0.0mph	9.2mph	0.0mph	9.2mph	0.0mph	9.2mph
Wind	chill	23.6°C	23.0°C	23.6°C	23.0°C	26.4°C	23.0°C	26.4°C	23.0°C	26.4°C
		74.5°F	73.4°F	74.5°F	73.4°F	79.5°F	73.4°F	79.5°F	73.4°F	79.5°F
Solar	rad	--	--	--	--	--	--	--	--	--
Solar	evo	--	--	--	--	--	--	--	--	--

Figure 13
Live Data

11. Weather Network

To upload the live data from your weather station, select the Weather Network tab.

11.1 Wunderground.com (Weather Underground)

To upload data to Wunderground.com, you must first register on the Wunderground.com website. Registration is free.

1. Visit <http://www.wunderground.com/> and select **Join** if you do not have an account.
2. Once registered with Wunderground.com you will need to sign up your station. To get started visit: <http://www.wunderground.com/weatherstation/setup.asp>
3. Once registered, enter your Station ID, Password and Upload Interval in the WeatherBridge fields.
4. Click on the wunderground.com logo to view your current data.
NOTE: It may take up to 30 minutes for your live data to appear on Wunderground.com.



Figure 14

11.2 Other Web Hosting Services

To add more Weather Networks, select the pull down menu bar to select from the list.

Logo	Description	Website	Location
	Meteo Plug	www.meteoplug.com	Germany
	AWEKAS Weather Map Reporting System	www.awekas.at	Austria
	WeatherBug Backyard	www.weatherbug.com	USA

Logo	Description	Website	Location
	WeatherForYou	www.pwsweather.com	USA
	UK Met Office	wow.metoffice.gov.uk	UK
	Windfinder	www.windfinder.com	USA
	Citizen Weather Observation Program	www.wxqa.com	USA
	Open Weather Map	www.openweathermap.org	USA

12. Push Services (Email, Twitter, http, ftp and mysql)

To upload the live data via email, twitter, http, ftp and mysql, select the Push Services tab.

WeatherBridge provides some additional "push services", which can send weather information via email, twitter, HTTP requests, FTP uploads, mysql queries or by implementing a user defined script.

All of these services can be triggered by certain alarm conditions, at a certain time of the day or in periodic intervals ranging from a few seconds to minutes or hours.

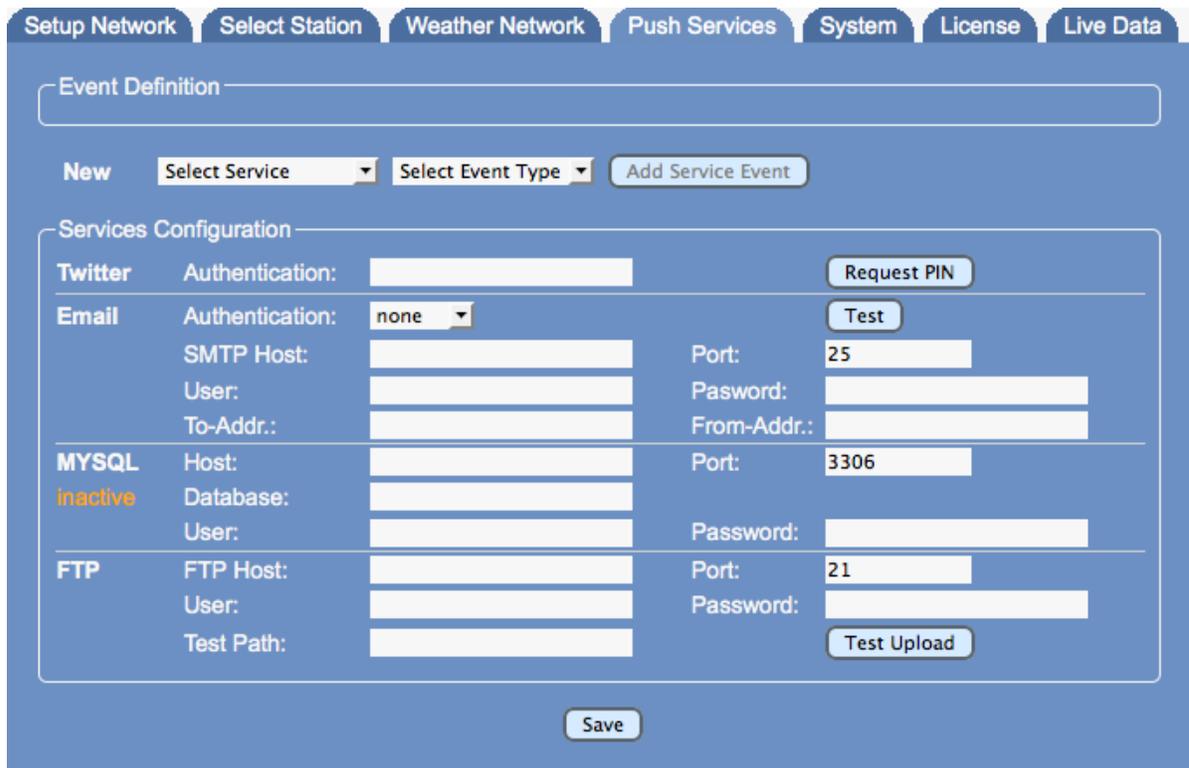
Configuring push services is done in two steps.

When you want to use a email, twitter, mysql or FTP you have to configure the basic authentication for these services fist.

Having configured the service, you can then define a specific event that uses of one of the services.

For additional information on Push Services, please visit:

http://meteobridge.com/wiki/index.php/Push_Services



Event Definition

New

Services Configuration

Twitter	Authentication:	<input type="text"/>	<input type="button" value="Request PIN"/>
Email	Authentication:	<input type="text" value="none"/>	<input type="button" value="Test"/>
	SMTP Host:	<input type="text"/>	Port: <input type="text" value="25"/>
	User:	<input type="text"/>	Password: <input type="text"/>
	To-Addr.:	<input type="text"/>	From-Addr.: <input type="text"/>
MYSQL <i>inactive</i>	Host:	<input type="text"/>	Port: <input type="text" value="3306"/>
	Database:	<input type="text"/>	Password: <input type="text"/>
	User:	<input type="text"/>	
FTP	FTP Host:	<input type="text"/>	Port: <input type="text" value="21"/>
	User:	<input type="text"/>	Password: <input type="text"/>
	Test Path:	<input type="text"/>	<input type="button" value="Test Upload"/>

Figure 15

13. Communication with PC and Mac software (Davis Instruments only)

If you own a Davis Instruments weather station, and own a WeatherLink data logger (6510USB, 6510SER or 6520), you can run WeatherLink software while the WeatherLink data logger is connected to the WeatherBridge.

13.1 WeatherLink Software

1. Run WeatherLink software from any computer on your local area network
2. Select **Setup | Communications Port..** from the menu bar.
3. Select TCP/IP as the communications. The TCPIP port is 22222 (default). Enter the IP address of WeatherBridge, as shown in **Error! Reference source not found.** (your IP address will be different than the example below).

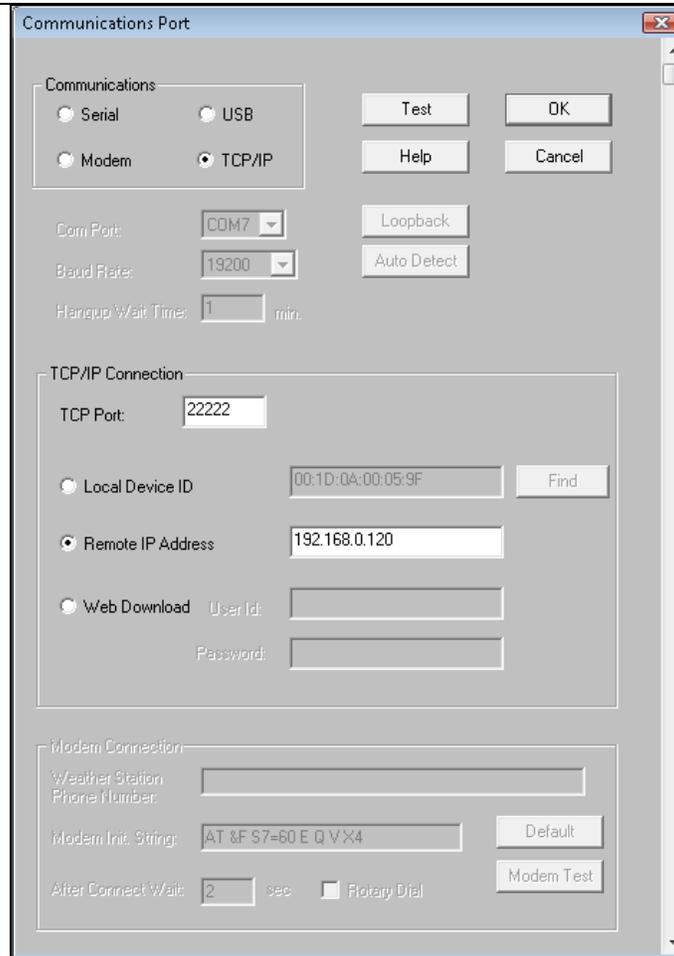


Figure 16

13.2 Virtual Weather Station

1. Run Virtual Weather Station software from any computer on your local area network
2. Select **Communication** | **Communication** from the menu bar.
3. Select Davis Vantage Pro/Pro2/Vue (TCPIP Interface) as the communications. The TCPIP port is 22222 (default). Enter the IP address of the WeatherBridge, as shown in Figure 17 (your IP address will be different than the example below).

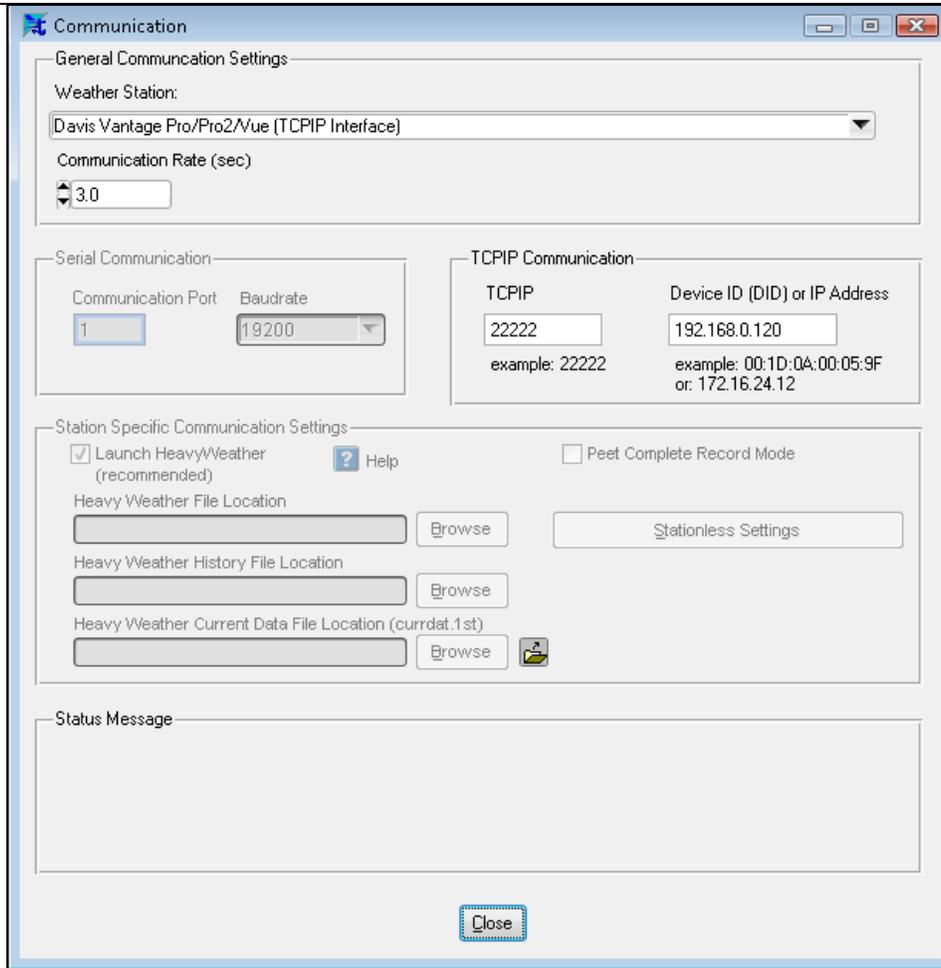


Figure 17

Limitations: Downloading Archived memory is slow.

13.3 WeatherSnoop for Mac

- 14 Run WeatherSnoop (paid program) software from any computer on your local area network
- 15 Select **Agent** from the menu bar.
- 16 Select **WeatherLinkIP Data Logger** as the connectivity option. Enter the IP address of the WeatherBridge, as shown in Figure 17 (your IP address will be different than the example below).

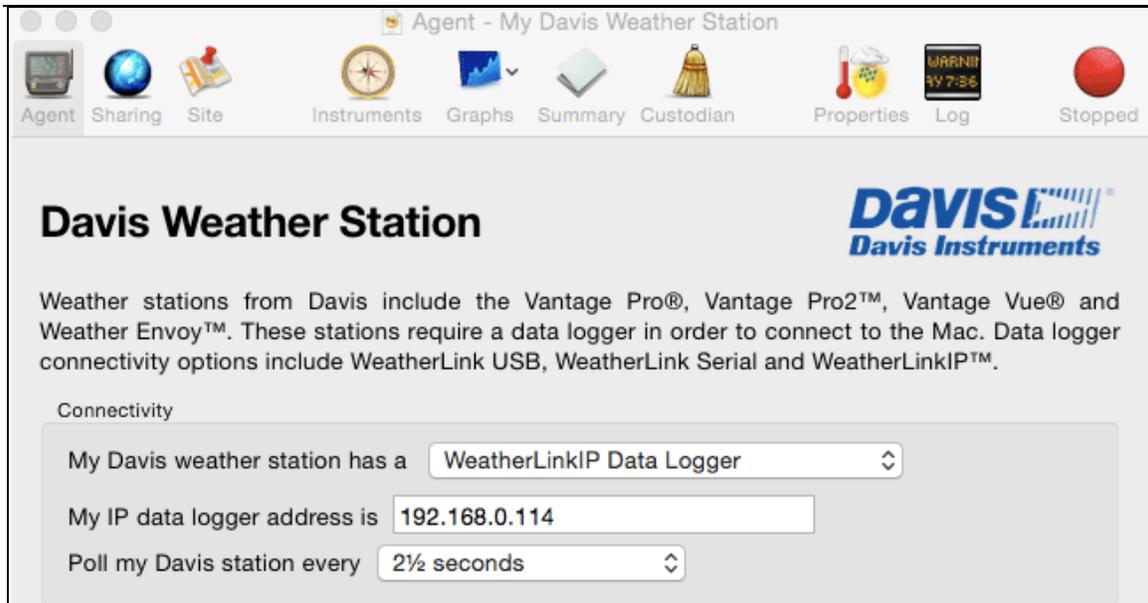


Figure 18

14. More Information

MeteoBridge is a Copyright of smartbedded UG (haftungsbeschränkt), all rights reserved. Please visit www.MeteoBridge.com for online documentation which will give more detail on features and lately added functions.

Note: WeatherBridge can only handle one weather station at a time. Parallel use of multiple weather stations is not supported.

Questions or comments about this manual? We are always striving to improve our documentation. Please send your comments to support@ambientweather.com.

15. Liability Disclaimer

The electrical and electronic wastes contain hazardous substances. Disposal of electronic waste in wild country and/or in unauthorized grounds strongly damages the environment.

Reading the “User manual” is highly recommended. The manufacturer and supplier cannot accept any responsibility for any incorrect readings and any consequences that occur should an inaccurate reading take place.

This product is designed for personal use as indication of weather conditions. This product is not to be used for medical purposes or for public information.

The specifications of this product may change without prior notice.

This product is not a toy. Keep out of the reach of children.

No part of this manual may be reproduced without written authorization of the manufacturer.

Ambient, LLC WILL NOT ASSUME LIABILITY FOR INCIDENTAL, CONSEQUENTIAL, PUNITIVE, OR OTHER SIMILAR DAMAGES ASSOCIATED WITH THE OPERATION OR MALFUNCTION OF THIS PRODUCT.

16. Warranty Information

Ambient, LLC provides a 1-year limited warranty on this product against manufacturing defects in materials and workmanship.

This limited warranty begins on the original date of purchase, is valid only on products purchased and only to the original purchaser of this product. To receive warranty service, the purchaser must contact Ambient, LLC for problem determination and service procedures.

Warranty service can only be performed by Ambient, LLC. The original dated bill of sale must be presented upon request as proof of purchase to Ambient, LLC.

Your Ambient, LLC warranty covers all defects in material and workmanship with the following specified exceptions: (1) damage caused by accident, unreasonable use or neglect (lack of reasonable and necessary maintenance); (2) damage resulting from failure to follow instructions contained in your owner's manual; (3) damage resulting from the performance of repairs or alterations by someone other than an authorized Ambient, LLC authorized service center; (4) units used for other than home use (5) applications and uses that this product was not intended.

This warranty covers only actual defects within the product itself, and does not cover the cost of installation or removal from a fixed installation, normal set-up or adjustments, claims based on misrepresentation by the seller or performance variations resulting from installation-related circumstances.