

Ambient Weather WeatherBridge Nano Weather Station Server for Davis Instruments Quick Start Guide



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### 1. Introduction

**Note:** For technical issues, please email the developer: <u>info@meteohub.de</u>.

Please reference Section 7.1.1 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 nano to your weather station, router and the Internet. This is a supplement to the detailed information provided at <u>www.MeteoBridge.com</u>.

**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 <u>www.MeteoBridge.com</u>.

**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.

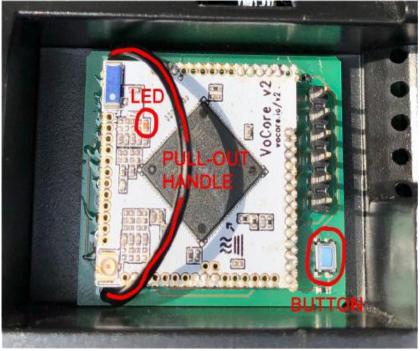


Figure 1

#### 2. Packing List

The packing list is as follows:

No	Description
1	WeatherBridge nano
2	Instruction Card

#### **3. Preparing the Console or Envoy**

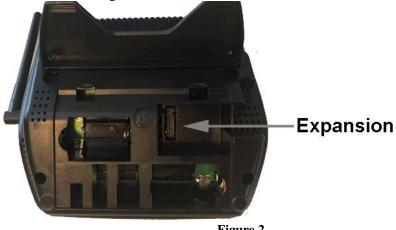
Before inserting the Nano into the console or Envoy, set up your console or Envoy. This includes setting the correct date and time, configuring the transmitter channels (if you have more than one sensor array), rain bucket size, and station altitude. Make sure the weather station is receiving data from all of the sensors. Please refer to the console or Envoy manual for details. The manuals are available at www.davisnet.com.

#### 4. Plug the Nano into the Console or Envoy

- 1. Power down the display console by removing the batteries and AC adapter. Failure to remove power to the console or Envoy before installing or uninstalling any data logger may cause damage to the data logger or console.
- 2. Open the battery compartment door.



3. Look for the **EXPANSION** connector inside the battery compartment. Figure 2 is an example for the Davis Vantage Vue.





Note: For Weather Envoy: See the Weather Envoy User Guide instructions for opening the Envoy and installing the data logger. (The manual is available online at www.davisnet.com.)

4. Firmly insert the Nano into the large receptacle marked **EXPANSION** inside the battery compartment. Do this with firm but not brute force. If it does not align properly, try again.



Figure 3

5. Reconnect the AC adapter and then reinsert the batteries. Leave the battery door open in the event additional diagnosis is required.



- 6. Wait about two minutes for the Nano to completely boot up.
- 7. For consoles, the console will power up in Setup Mode. Press and hold the **DONE** button for two seconds to exit the console setup mode.

#### 5. Accessing the Nano over your Local Network

The Nano broadcasts a WiFi signal. To connect your computer or smart device to the Nano for programming, open your WiFi settings from your computer or smart device, and connect to **meteobridge-xxxxxxxxxxx** (where xxxxxxxxx is the MAC address of your device).

When prompted, enter the password: **meteobridge** 

Below is an example for Windows and an iPhone.

	Settings Wi-Fi
meteobridge-B8D81260429B Secured	Wi-Fi
Connect automatically	meteobridge- B8D81260429B
	CHOOSE A NETWORK 🖏
Network & Internet settings Change settings, such as making a connection metered.	
ん ア ア ト ・	

Figure 4

Once you are connected to the Nano, open a web browser and type in the following URL:

#### http://192.168.169.1

You will be prompted for a Username and Password. Enter:

#### Username: **meteobridge** Password: **meteobridge**

The Nano will scan your WiFi network. This may take a few minutes to display the Network Administration Page.



#### 6. Network Administration and Connecting to your WiFi Router

- 1. Under **WiFi Client**, enter your wireless router settings. Select the AP SSID from the pull down menu **Known SSIDs**. Enter your router's WiFi password (AP Passphrase).
- 2. Tap **Save and Test**. Wait about one minute. Look for the **System Message** as shown in Figure 5.

If successful, you will see the **System Message** below. If not successful, your settings did not match your WiFi settings. Please recheck and try again.

onnection Status -			
	LAN with IP 192.168.0.42		
Internet can be c			
Meteobridge ser	ver can be connected		
ViFi Access Point (\	WPA2 AES encrypted)		
AP SSID:	meteobridge-B8D81260429	B	
AP Passphrase:	meteobridge		show passphrase
ViFi Client			
Wireless LAN			
SSID:	mandy	Known SSIDs	•
WLAN Region:	00 - World WPA2-PSK		
Encryption: Mode:	auto (2.4 GHz)	•	
Passphrase:	uuto (2.4 OTI2)		show passphrase
nusopinuso.			
P Addresses			
Receive automa	tically (DHCP)		
Set manually			
IP:			
Netmask:			
Gateway:			
DNS:			
dvanced Settings-			
Use Proxy			
Server:	http:// 3128		

Figure 5

3. The Nano is now part of your wireless network. Please note the Nano's IP address as you will need it to login from your WiFi network later on:



System Message: It can be reached at IP:

- 4. Advanced network settings are available for statically assigning an IP address to the Nano, or using the Nano with a proxy server.
- 5. Press **Save and Apply and Reboot** to leave finish the network admin access, and to restart the Nano.
- 6. After a few minutes, the Nano will be available for configuration at the IP address in **Step 3**.
- Watch the LED on the Nano module. It will begin blinking. It will begin flashing rapidly, which indicates that it is trying to connect to the Internet. When the light stops flashing and stays on, the Nano has successfully connected to the Internet.
- 8. You can now close the console's battery cover.
- 9. Open your favorite Web Browser and enter the IP address obtained in Step 3.

In the example above, you would enter: <u>http://192.168.0.42</u> (your IP address will be different). Don't forget to enter the http header (http://)/

You will see the Nano's System Page, as shown in Figure 6.

#### 7. System

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

## ambient weather

Platform:	Meteobridge NA	NO (ambientw	eather Version)
RAM:	125568 kB total	, 86792 kB free (	30% used)
			build 1017), FW 1.0
		nutes Buffer 0	
Maintenance Version Control:	get newest on	haat T	
	and the second s		
Configuration Data:	Choose File	No file chosen	Restore Backup
Security			
New HTTP Passwo	rd:		
Confirm New HTTP	The second se		
Internet Remote Lo	gin: 🗹 /	Allow login from t	he Internet via this URL
Localization			
P-based Location	United State	es / Arizona / Ter	npe
UTC:	2018-08-30 17:	37	
Local Time:	2018-08-30 10:	37	
Language:	English V	Download Lan	guage File
Timezone:	America/Phoe	enix	<b>T</b>
Latitude:	33.4357		<b>()</b>
Longitude:	-111.9171		
Annual Rain:	starts at Janu	arv 🔻	
LAN IP: – LAN Mask: – Gateway: 192 DNS: 192	D8 12 60 42 98 2 168 0 1 2 168 0 1 35 12 116	WLAN IP: WLAN Mask: TX Traffic: RX Traffic: Provider:	192.168.0.42 255.255.255.0   CenturyLink
MAC: B8: LAN IP: – LAN Mask: – Gateway: 192 DNS: 192 WAN IP: 71.	2.168.0.1 2.168.0.1	WLAN Mask: TX Traffic: RX Traffic:	255.255.255.0  
MAC: B8: LAN IP: Gateway: 192 DNS: 192 WAN IP: 71. Messages	2 168.0 1 2 168.0 1 35.12 116	WLAN Mask: TX Traffic: RX Traffic: Provider:	255.255.255.0  CenturyLink
MAC: B8: LAN IP: Gateway: 192 DNS: 192 WAN IP: 71. Messages	2.168.0.1 2.168.0.1 35.12.116	WLAN Mask: TX Traffic: RX Traffic: Provider:	255.255.255.0  CenturyLink
MAC: B8: LAN IP: LAN Mask: Gateway: 192 DNS: 192 WAN IP: 71. Messages Jogger (29.08.2018 Jogger (29.08.2018 Jogger (29.08.2018	2.168.0.1 2.168.0.1 35.12.116 14:06:32): gett1 14:06:42): messa 14:06:42): messa	WLAN Mask: TX Traffic: RX Traffic: Provider: me request sent. ge above repeats ntage time offse	255.255.255.0  CenturyLink 1 time.
MAC: B8: LAN IP: Gateway: 192 DNS: 192 WAN IP: 71. Messages Iogger (29.08.2018 Iogger (29.08.2018 Iogger (29.08.2018 Iogger (29.08.2018) Iogger (29.08.2018) Iogger (29.08.2018)	2.168.0.1 2.168.0.1 35.12.116 14:06:32): gett1 14:06:42): messa 14:06:42): no Va 14:06:42): cain	WLAN Mask: TX Traffic: RX Traffic: Provider: request sent. ge above repeats ntage time offse m request sent. collector size 8	255.255.255.0  CenturyLink 1 time. t. .01 inch per tick.
MAC: B8: LAN IP: LAN Mask: Gateway: 192 DNS: 192 WAN IP: 71: Messages Logger (29.08.2018 Logger (29.08.2018 Logger (29.08.2018 Logger (29.08.2018 Logger (29.08.2018	2.168.0 1 2.168.0 1 35.12.116 14:06:32): getti 14:06:42): messa 14:06:42): no Va 14:06:42): respo 14:06:42): trans	WLAN Mask: TX Traffic: RX Traffic: Provider:	255.255.255.0   CenturyLink 1 time. t. .01 inch per tick. as station type #0 "ISS".
MAC: B8: LAN IP: LAN Mask: Gateway: 192 DNS: 192 WAN IP: 71. Messages Ingger (29.08.2018 logger (29.08.2018 logger (29.08.2018 logger (29.08.2018 logger (29.08.2018 logger (29.08.2018 logger (29.08.2018 logger (29.08.2018	2.168.0.1 2.168.0.1 35.12.116 14:06:32): gett1 14:06:42): mo Va 14:06:42): no Va 14:06:42): rain 14:06:42): rain 14:06:42): firms	WLAN Mask: TX Traffic: RX Traffic: Provider: me request sent. ge above repeats ntage time offse mequest sent. collector size 0 mitter 1 active and version requests	255.255.255.0 - - CenturyLink 1 time. t. .81 inch per tick. as station type #0 "IS5".
MAC: B8: LAN IP: LAN Mask: Gateway: 192 DNS: 192 WAN IP: 71. Messages Ingger (29.08.2018 logger (29.08.2018 logger (29.08.2018 logger (29.08.2018 logger (29.08.2018 logger (29.08.2018 logger (29.08.2018 logger (29.08.2018	2.168.0.1 2.168.0.1 35.12.116 14:06:32): gett1 14:06:42): mo Va 14:06:42): no Va 14:06:42): rain 14:06:42): rain 14:06:42): firms	WLAN Mask: TX Traffic: RX Traffic: Provider: me request sent. ge above repeats ntage time offse mequest sent. collector size 0 mitter 1 active and version requests	255.255.255.0 - - CenturyLink 1 time. t. .81 inch per tick. as station type #0 "IS5".
MAC: B8: LAN IP: – LAN Mask: – Gateway: 192 DNS: 192 WAN IP: 71. Messages Ingger (29.08.2018 Ingger (29.08.2018) Ingger (29.08.2018) Ingger (29.08.2018) Ingger (29.08.2018) Ingger (29.08.2018)	2.168.0.1 2.168.0.1 35.12.116 14:06:32): getti 14:06:42): no Va 14:06:42): rain 14:06:42): rain 14:06:42): firmw 14:06:42): firmw 14:06:42): firmw 14:06:42): firmw 14:08:20): give	WLAN Mask: TX Traffic: RX Traffic: Provider: me request sent. ge above repeats ntage time offse mequest sent. collector size 8 mitter 1 active and version 3.00 adding of Vantage up waiting for s ces activated.	255.255.255.0 - - CenturyLink 1 time. t. .81 inch per tick. as station type #0 "IS5". est sent. (supports LOOP2) 's internal logger. ensors after 120 secs.
MAC: B8: LAN IP: – LAN Mask: – Gateway: 192 DNS: 192 WAN IP: 71. Messages Ingger (29.08.2018 Ingger (29.08.2018) Ingger (29.08.2018) Ingger (29.08.2018) Ingger (29.08.2018) Ingger (29.08.2018)	2.168.0.1 2.168.0.1 35.12.116 14:06:32): getti 14:06:42): no Va 14:06:42): rain 14:06:42): rain 14:06:42): firmw 14:06:42): firmw 14:06:42): firmw 14:06:42): firmw 14:08:20): give	WLAN Mask: TX Traffic: RX Traffic: Provider: me request sent. ge above repeats ntage time offse mequest sent. collector size 8 mitter 1 active and version 3.00 adding of Vantage up waiting for s ces activated.	255.255.255.0 - - CenturyLink 1 time. t. .81 inch per tick. as station type #0 "IS5". est sent. (supports LOOP2) 's internal logger. ensors after 120 secs.
MAC: B8: LAN IP: – LAN Mask: – Gateway: 192 DNS: 192 WAN IP: 71. Messages Ingger (29.08.2018 Ingger (29.08.2018) Ingger (29.08.2018) Ingger (29.08.2018) Ingger (29.08.2018) Ingger (29.08.2018)	2.168.0 1 2.168.0 1 35.12.116 4:06:32): getti 14:06:42): nessa 14:06:42): no Va 14:06:42): trans 14:06:42): trans 14:06:42): trans 14:06:42): no re 14:06:42): no re 14:06:20): give 14:08:20): give 14:08:20): servi 14:06:7): Bad t	WLAN Mask: TX Traffic: RX Traffic: Provider:	255.255.255.0   CenturyLink 1 time. t. .01 inch per tick. as station type #0 "ISS". est sent. (supports LOOP2) 's internal logger. ensors after 120 secs. ta, "pressure x10" (0) out of range [4000:13000] a, "humidity" (255) out of range [0:100]
MAC: B8: LAN IP: LAN Mask: Gateway: 192 DNS: 192 WAN IP: 71: Messages Logger (29.08.2018 Logger (29.08.2018) Logger	2.168.0 1 2.168.0 1 35.12.116 4:06:32): getti 14:06:42): nessa 14:06:42): no Va 14:06:42): trans 14:06:42): trans 14:06:42): trans 14:06:42): no re 14:06:42): no re 14:06:20): give 14:08:20): give 14:08:20): servi 14:06:7): Bad t	WLAN Mask: TX Traffic: RX Traffic: Provider:	255.255.255.0   CenturyLink 1 time. t. .01 inch per tick. as station type #0 "IS5". est sent. (supports LOOP2) 's internal logger. ensors after 120 secs. ta, "pressure x10" (0) out of range [4000:13000] a, "humidity" (255) out of range [9:100]

#### 7.1 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. If you change it, write it down:

Username: (default is meteobridge)	
Password: (default is meteobridge)	
To make the changes permanent, select <b>Save and Apply</b> .	

#### 7.1.1 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.

C Security	
New Password:	
New Password:	
Internet Login:	Allow login from the Internet via this URL
(	



#### 7.2 Advanced Sytem Settings

For advanced settings, please visit:

https://www.meteobridge.com/wiki/index.php/Meteobridge\_NANO

#### 8. Weather Station

Enter your weather station receiver type as shown in Figure 8 and Select Save.

Weather Station	ation	Veather Net	work Services Sy	stem License Liv	
Davis: Vantag	ne Pro2 V	ue Envov			
Davis: Envoy					
Davis Station Setup-					
Sync station's	s date/time	e with the In	ternet		
			ezone/rain season settir		
			and year from console to		
			console to Meteobridge		ial setup only
			rain collector, wind cup,	date and time format	
Configure ser	nsors and	mapping to	transmitter IDs		
Meteobridge Weathe	r Cam				
necoonago mourro	a service of				
<ul> <li>none</li> <li>Ubiquiti Cam</li> </ul>		ID-			
Ubiquiti Cam		IP: Password <sup>.</sup>			
Ubiquiti Cam Version 1.1		Password:	****		
Ubiquiti Cam			****		
<ul> <li>Ubiquiti Cam</li> <li>Version 1.1</li> <li>External Pict</li> </ul>		Password:			
<ul> <li>Ubiquiti Cam Version 1.1</li> <li>External Pict Local Settings</li> </ul>	ture <u>1280</u>	Password: URL:	Pressure	0.000 mbar/hF	2a <b>T</b>
<ul> <li>Ubiquiti Cam Version 1.1</li> <li>External Pict</li> <li>Local Settings</li> <li>Station Altitude:</li> <li>Tolerated age of</li> </ul>	ture	Password: URL:			2a ▼ Ino windchill
<ul> <li>Ubiquiti Cam Version 1.1</li> <li>External Pict</li> <li>Local Settings</li> <li>Station Altitude:</li> <li>Tolerated age of</li> </ul>	1280 feet 10 minu	Password: URL: T	Pressure Correction: Temperature Offse	t 0.0 °C ▼ ■	no windchill
<ul> <li>Ubiquiti Cam Version 1.1</li> <li>External Pict</li> <li>Local Settings</li> <li>Station Altitude:</li> <li>Tolerated age of data:</li> </ul>	1280 feet 10 minu	Password: URL:	Pressure Correction: Temperature Offse	t 0.0 °C ▼	
Ubiquiti Cam Version 1.1	1280 feet 10 minu	Password: URL: T	Pressure Correction: Temperature Offse	t <mark>0.0 °C ▼</mark> ■ Rain <mark>1.00</mark> W	no windchill /ind

For advanced settings, please visit:

https://www.meteobridge.com/wiki/index.php/Meteobridge\_NANO

## 9. Live Data

Select the Live Data Page to view a summary of your live data.

# ambient weather

	ent Weatl	Status — her Netw	ork: 201	18-08-30	11:33:09	Success	I				
Live Data	1										
Sensor	Sig	ynal N	Metric Data				Imperial Data				
Indoor	18	sec 2	7.5°C 399	39% 1011.0hPa (968.6hPa)			81.5°F 39% 29.85inHg (28.60inHg)				
Outdoor	28 sec 35.1°C 29				4°C, heat	35.1°C)		29% (dew	57.9°F, he	at 95.2°F)	
Rain			ate 0.0mm				rate 0.0		10.000	-	
Wind	0 s	ec 1	l.3m/s (avg	) U.4m/s) 2	299° WNW		2.9mph	(avg 0.9m	ph) 299° \	WNW	
	ID-I										
Historica Sensor	Now 11:33	Today Thu 30		Yesterda Wed 29	У	Month Aug		Year 2018		All Era	se
reset		min	max	min	max	min	max	min	max	min	max
Indoor temp	27.5°C 81.5°F	27.1°C 80.8°F	29.9°C 85.8°F	26.8°C 80.2°F	30.7°C 87.3°F	25.7℃ 78.3°F	30.9°C 87.6°F	25.7°C 78.3°F	30.9°C 87.6°F	25.7°C 78.3°F	30.9°C 87.6°F
Indoor hum	39%	31%	39%	30%	38%	30%	44%	30%	44%	30%	44%
Indoor dew	12.0°C 53.6°F	9.0°C 48.2°F	12.0°C 53.6°F	9.0°C 48.2°F	12.0°C 53.6°F	8.0°C 46.4°F	13.0°C 55.4°F	8.0°C 46.4°F	13.0°C 55.4°F	8.0°C 46.4°F	13.0°C 55.4°F
Indoor press	968.6mb 28.60inHg	966.7mb 28.55inHg	970.2mb 28.65inHg	964.1mb 28.47inHg	968.7mb 28.61inHg	962.3mb 28.42inHg	970.2mb 28.65inHg	962.3mb 28.42inHg	970.2mb 28.65inHg	962.3mb 28.42inHg	970.2m 28.65in
Indoor seapress			1012.7mb 29.91inHg								
Outdoor temp	35.1°C 95.2°F	26.8°C 80.2°F	35.3°C 95.5°F	24.9°C 76.8°F	42.8°C 109.0°F	22.8°C 73.0°F	42.8°C 109.0°F	22.8°C 73.0°F	42.8°C 109.0°F	22.8°C 73.0°F	42.8°C 109.0°F
Outdoor hum	29%	21%	51%	15%	40%	9%	51%	9%	51%	9%	51%
Outdoor dew	14.4°C 57.9°F	4.5°C 40.1°F	17.2°C 63.0°F	5.3°C 41.5°F	16.3°C 61.3°F	3.0°C 37.4°F	19.4°C 66.9°F	3.0°C 37.4°F	19.4°C 66.9°F	3.0°C 37.4°F	19.4°C 66.9°F
Outdoor heatindex	35.1°C 95.2°F	27.2°C 81.0°F	35.3°C 95.5°F	24.9°C 76.8°F	42.8°C 109.0°F	22.8°C 73.0°F	42.8°C 109.0°F	22.8°C 73.0°F	42.8°C 109.0°F	22.8°C 73.0°F	42.8°C 109.0°i
Wind wind	1.3m/s 2.9mph	0.0m/s 0.0mph	4.9m/s 11.0mph	0.0m/s 0.0mph	2.7m/s 6.0mph	0.0m/s 0.0mph	4.9m/s 11.0mph	0.0m/s 0.0mph	4.9m/s 11.0mph	0.0m/s 0.0mph	4.9m/s 11.0mp
Wind avgwind	0.4m/s 0.9mph	0.0m/s 0.0mph	1.3m/s 2.9mph	0.0m/s 0.0mph	1.3m/s 2.9mph	0.0m/s 0.0mph	1.3m/s 2.9mph	0.0m/s 0.0mph	1.3m/s 2.9mph	0.0m/s 0.0mph	1.3m/s 2.9mph
Wind chill	35.1°C 95.2°F	26.8°C 80.2°F	35.3°C 95.5°F	24.9°C 76.8°F	42.8°C 109.0°F	22.8°C 73.0°F	42.8°C 109.0°F	22.8°C 73.0°F	42.8°C 109.0°F	22.8°C 73.0°F	42.8°C 109.0°
Rain total		0.0mm	1 / 0.00in	0.0mm	/ 0.00in	0.0mm	/ 0.00in	0.0mm	/ 0.00in	0.0mm	/ 0.00in
Rain rate	0.0mm/h 0.00in/h	0.0mm/h 0.00in/h	0.0mm/h 0.00in/h	0.0mm/h 0.00in/h	0.0mm/h 0.00in/h	0.0mm/h 0.00in/h	0.0mm/h 0.00in/h	0.0mm/h 0.00in/h	0.0mm/h 0.00in/h	0.0mm/h 0.00in/h	0.0mm/

Figure 9



10.	Weather Network	
Network	Weather Station Weather Network Services System License Live Data	
– Ambiei	t Weather Network	
Uploa	Interval: every minute 🔹 1 retry 💌	
MAC	.ddress: 🎺 A4:2B:B0:B4:1C:0E	
-Weath	r Underground	
Uploa	Interval: every minute  retry forever	
Statio	ID: V KAZCHAND33 WEATHER UNDERGROUND	
Passv	ord: V UNDERGROUND	
Add mo	e Weather Networks	
7 taa mo		

Figure 10

# 11. 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

<b>o</b>	mbient w			
twork	Weather Statio	n Weather Network Se	rvices System	icense Live Data
-Event D	efinition ———			
New	Select Service	e V Select Event Type	Add Service Ever	nt
Service	s Configuration –			
Twitter	Authentication:			Request PIN
Email	Authentication:	starttls ▼		Test Email
	SMTP Host:	smtp.gmail.com	Port:	465
	User:	ambientweather@gmail.com	Password:	
	To-Addr.:	ambientweather@gmail.com	From- Addr.:	ambientweather@gmail.com
MYSQL	Host:		Port:	3306
	Database:			
	User:		Password:	
SMS	Originator:	Meteobridge		Test SMS
	Access Key:		show	Link to MessageBird.com
FTP	FTP Host:		Port:	21
	User:		Password:	
	Test Path:			Test Upload
		Sa	ve	
		Figu	ma 11	

Figure 11

## 12. Licensing

From the Menu tab, select **License**, as shown in Figure 12. Record the **License Key** for warranty purposes:

License Key (case sensitive):

# ambient weather

License K	ey: activated (A51DifUDuY9/fsFWekMEkJdGfSsfdek5)	
License A	greement	
USER LICEN	SE AGREEMENT	
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Figure 12

# 13. Resetting the Nano for Lost IP Address, Passwords and Factory Reset

If the Nano LED continues to blink and does not remain on, press the small blue button on the Nano (Figure 1).

Press and hold the reset button and the LED will begin blinking. Let go to perform the following operations:

Number of Blinks	
Before First Blink	If you have forgotten the Nano's IP address, or it changed, the Nano will indicate it's IP by a series of blink sequences. Please read:
	https://www.meteobridge.com/wiki/index.php/Getting_Started
	to decipher the <b>IP Signaling.</b>
1 Blink	If you have forgotten the Nano's Wireless Access Point (WAP) password, the Nano will reset it's WAP password.
	The default password is <b>meteobridge</b> . The Nano will reboot.
2 Blinks	Resets Nano's login password to <b>meteobridge</b> and reboots.
5 Blinks	Resets Nano to factory default (all settings are lost) and reboots.



### 14. Automatic Software Updates

The Nano will automatically update to the latest application stack after each reboot.

#### 15. Hardware Specifications

- Size: 35mm x 30mm x 20mm (width x height x depth)
- Weight: 10g
- Operating temperature: 0 50°C, non-condensing
- Power consumption: max 300 mA / 4.2 V
- WiFi 2.4 Ghz, 802.11g/n,
- Reset button
- VoCore2 CPU board
- Signal LED
- 16 MB flash / 128 MB RAM
- Mediatek 7628 AN SOC
- Internal chip antenna

#### **16.** More Information

MeteoBridge is a Copyright of smartbedded UG (haftungsbeschränkt), all rights reserved. Please visit <u>www.MeteoBridge.com</u> 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.

### 17. 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.

#### **18. 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.