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WEATHER TOOL

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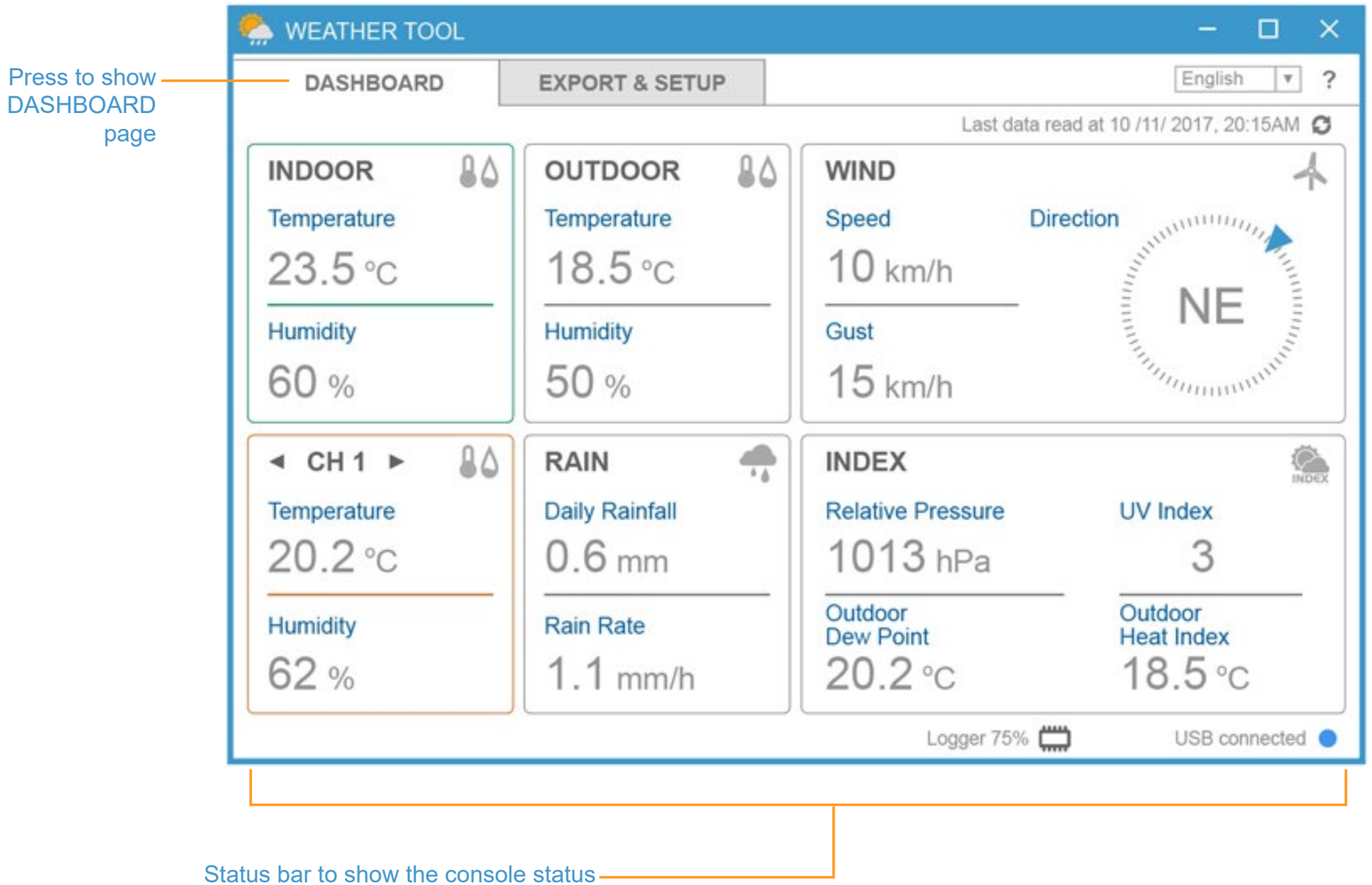
DASHBOARD page overview



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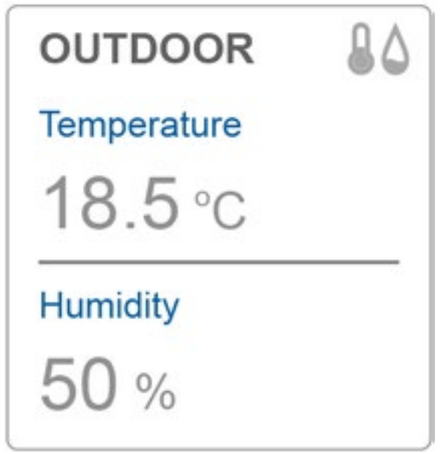
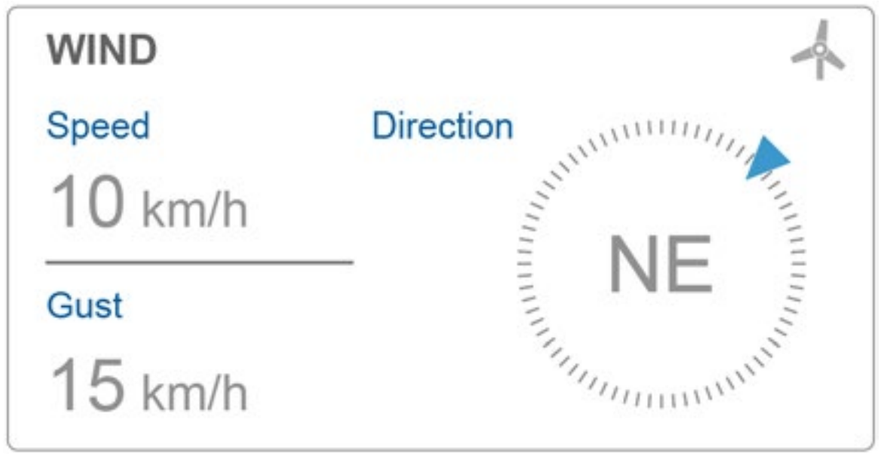
Display temperature and humidity live data from the console.

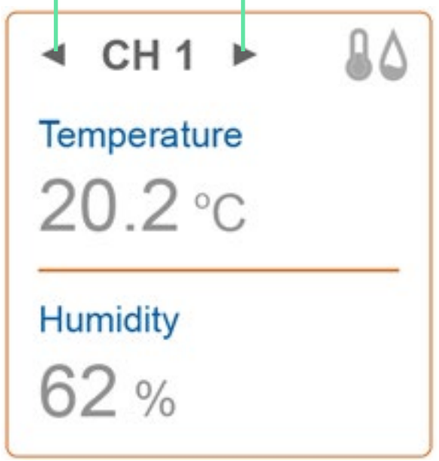
Display temperature and humidity live data from the 6-in-1 outdoor sensor.



Display wind speed and Direction live data from the 6-in-1 outdoor sensor.

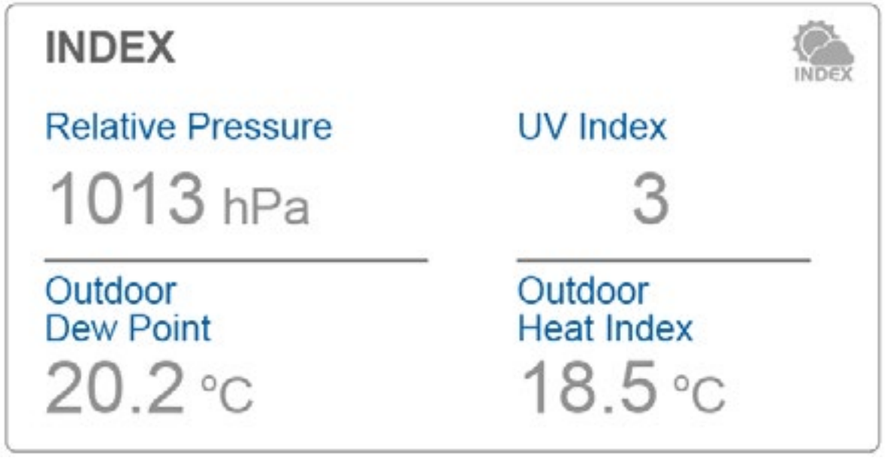


Press to arrow to view different paired sensor's channel.



Display temperature and humidity live data from the additional thermal-hygro wireless sensor(s).

Display rainfall and rain rate live data from the 6-in-1 outdoor sensor.



Display the weather index that included: UV index, Dew point and Heat index from the 6-in-1 outdoor sensor and barometric pressure from console.

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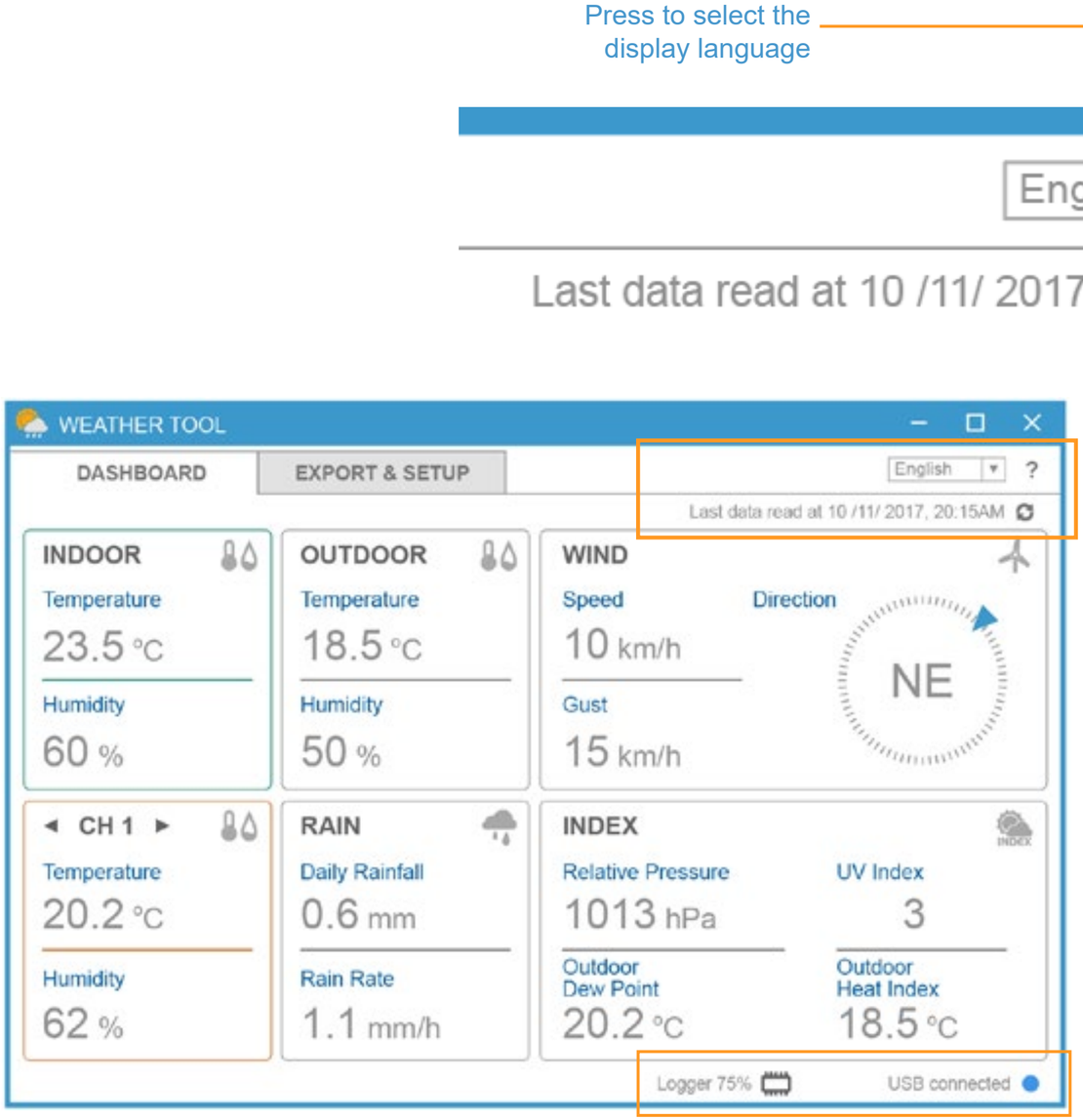

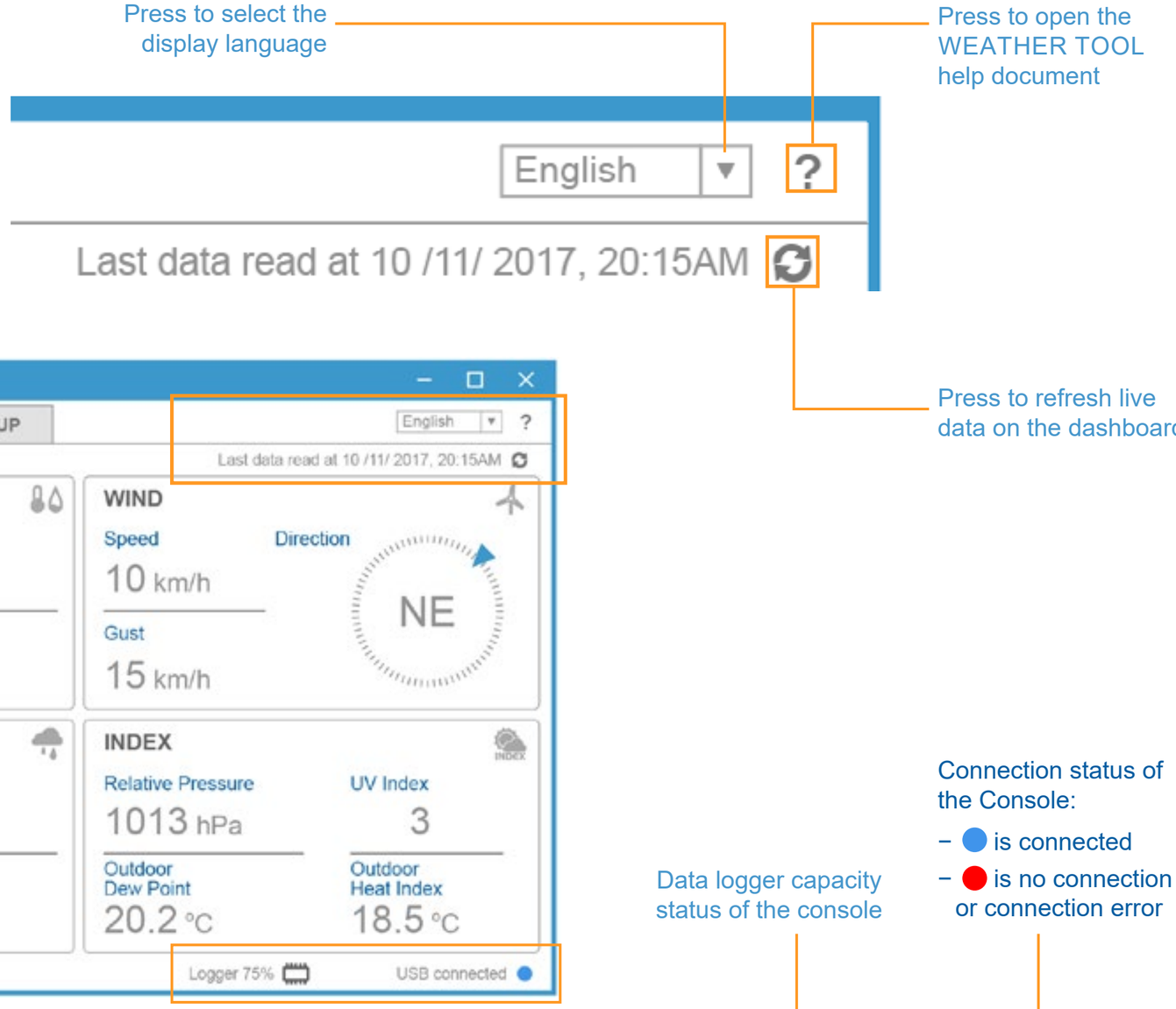

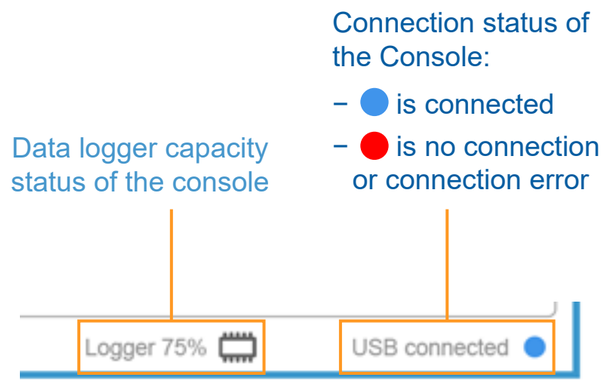

EXPORT & SETUP

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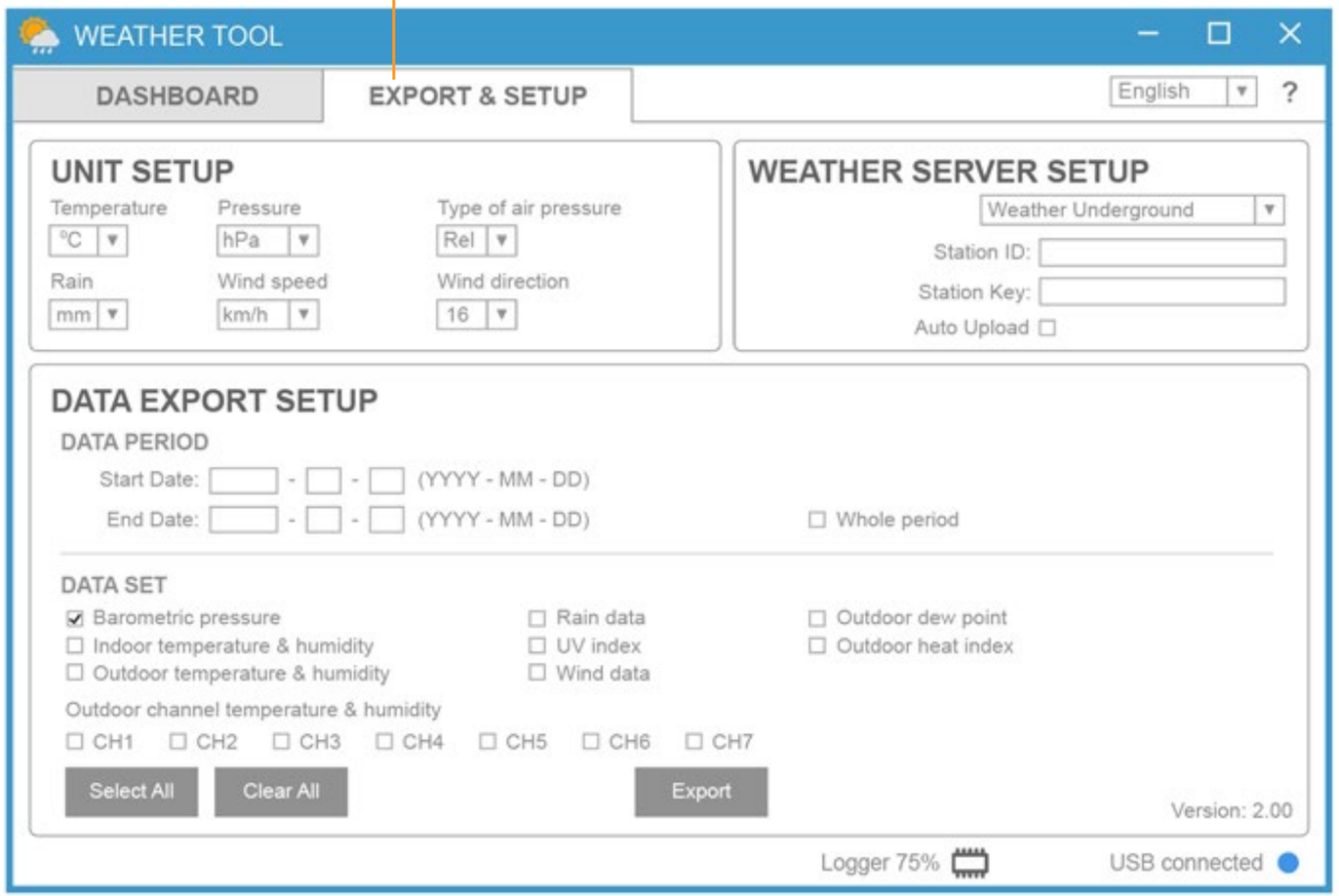
EXPORT & SETUP page overview

Press to show EXPORT & SETUP page



EXPORT & SETUP

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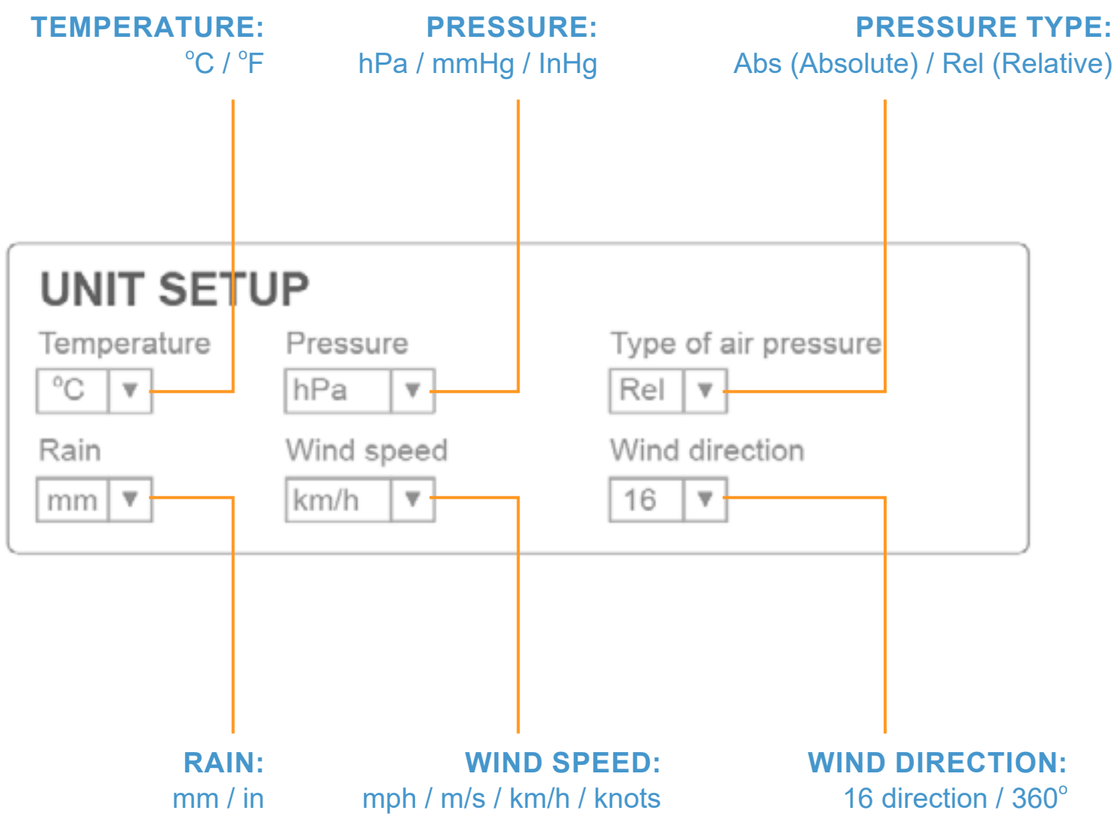
You can change the unit of DASHBOARD and EXPORT DATA in UNIT SETUP section.



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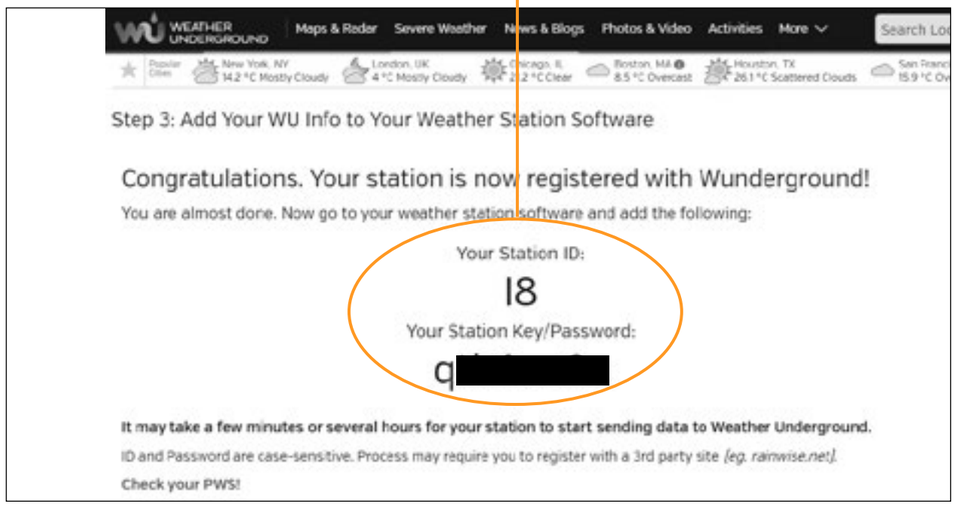
PART 1: REGISTER WEATHER SERVER

REGISTER AT WEATHER UNDERGROUND

1. Create and login a free account at www.wunderground.com
2. Click More > Add a Weather Station to register your PWS (Personal Weather Station) device and enter all of the information requested.
3. Once registered, unique “station ID” and station key (password) for your PWS (Personal weather station) are assigned to you by Wunderground.

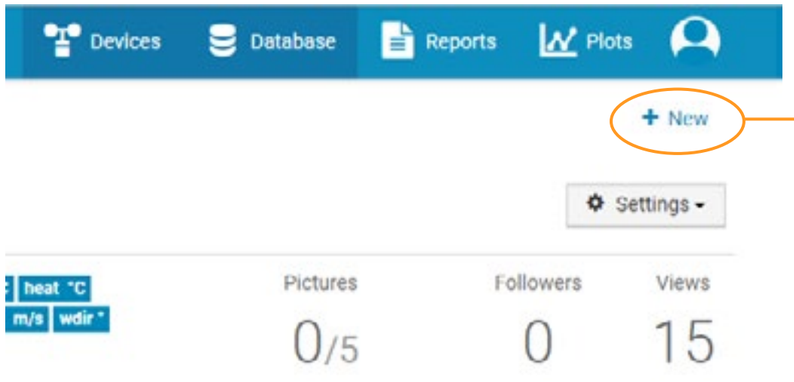
The unique “Station ID” and “Station key” that assigned by Wunderground

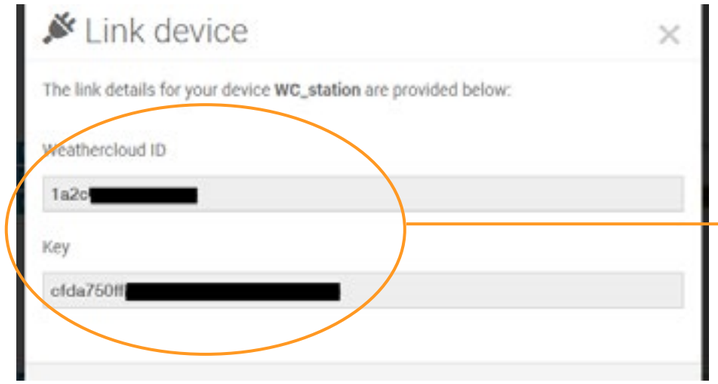


REGISTER AT WEATHERCLOUD

1. Create and login a free account at https://weathercloud.net
2. Once you sign in, click **+New** button to create your new device and enter all of the information requested.
3. Once registered, unique “Weathercloud ID” and key for your device are assigned to you by Weathercloud.

Create new device





The unique “ID” and “key” that assigned by Weathercloud

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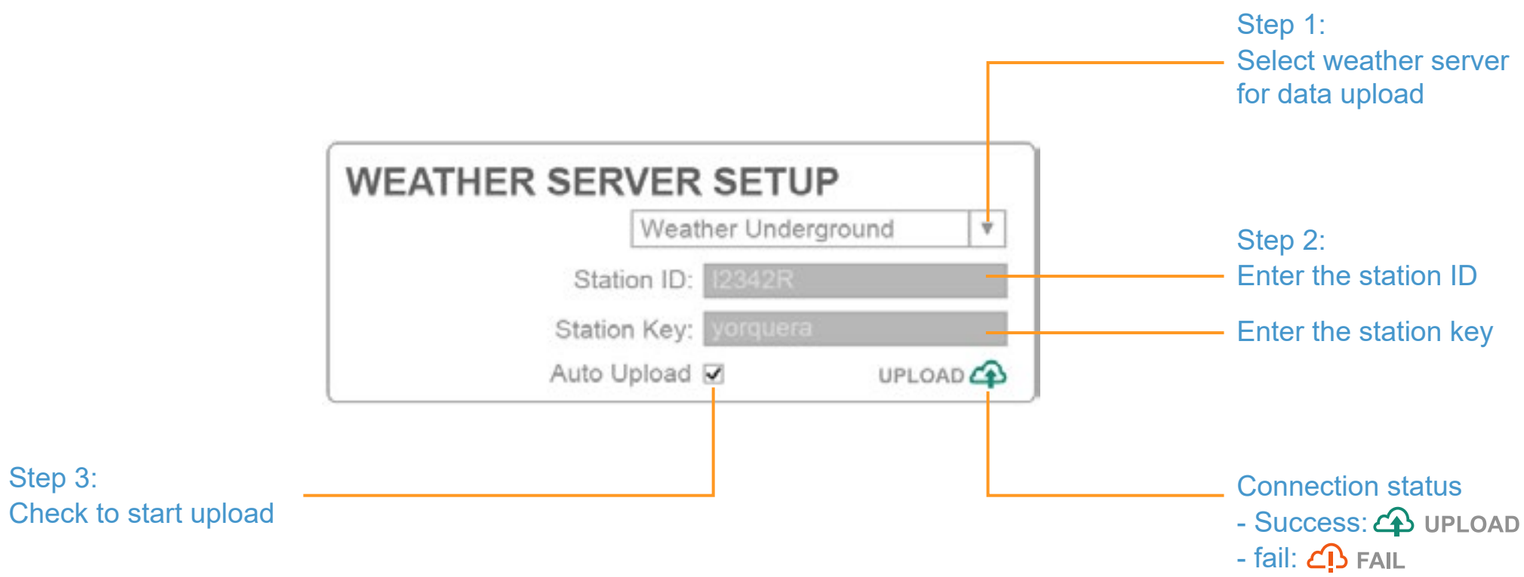
PART 2: KEY IN THE WEATHER SERVER SETUP INFORMATION

1. In the WEATHER SERVER SETUP section, select the weather server (WEATHER UNDERGROUND or WEATHERCLOUD) that you desire to upload.
2. Key in the “ID” and “key” that assigned by Weather underground or Weathercloud.
3. Check the box to start upload the weather data to your desired weather server.
4. If upload success the UPLOAD icon will shown and you can view the data in your selected weather server’s website or App.
5. If you have both weather server account, you can repeat the above step to setup both weather server.



EXPORT & SETUP

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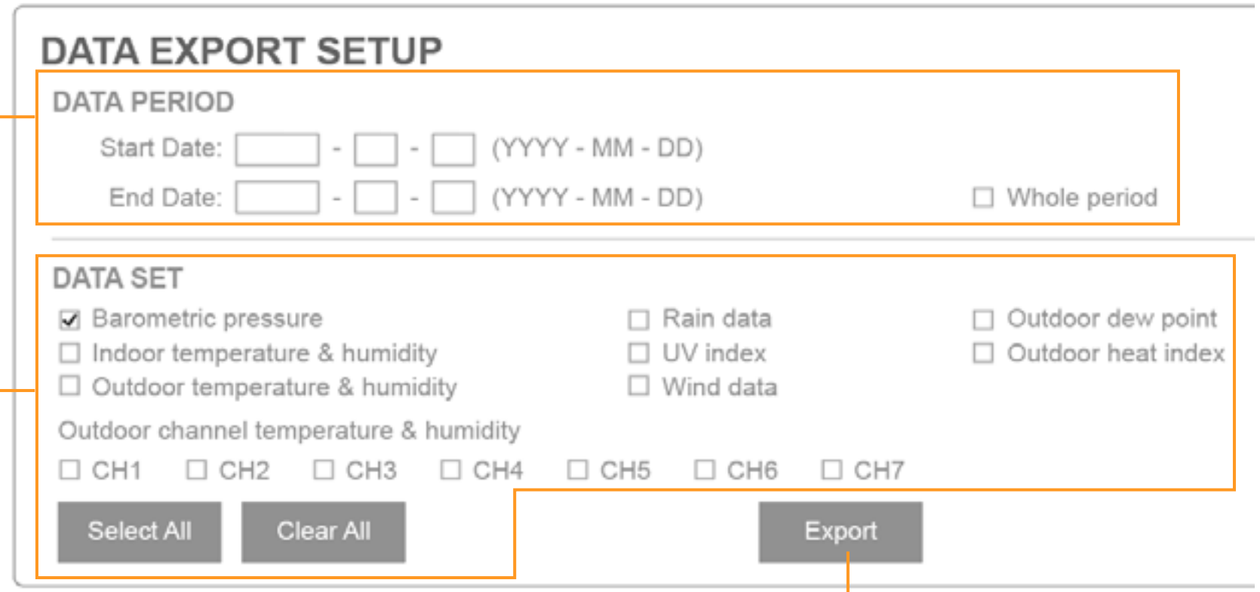
Step1:
Enter Start Date and End Data of the data export period or Check the “Whole period” box to export whole period data in the console.

Step2:
Selected the desired Data Set for data export.



Step3:
Once you selected data period and data set, press “Export” button to select the export file location and format.

During the data export process, the status bar will show the export progress, you can also press ✕ icon to stop.

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The export data file format can be .csv or .xls, you can open the file in excel by using below table format.

From columns A to S are the data of Console and 6-in-1 outdoor sensor.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Date	Time	Barometric pressure	Indoor temperature	Indoor humidity	Outdoor temperature	Outdoor humidity	Dew-point	Heat index	Wind speed	Wind gust	Wind chill	Wind direction	Rain rate	Hourly rainfall	Daily rainfall	Weekly rainfall	Monthly rainfall	UV index
yy-mm-dd	hh:mm	hPa(Rel)	°C	%	°C	%	°C	°C	km/h	km/h	°C	360°(Degree)	mm/h	mm	mm	mm	mm	index
2018-04-30	15:55	1011	25.9	65	25.1	69	18.9	26	0	0	25	307	0	0	0.254	0.4	1	0
2018-04-30	16:00	1011	25.9	65	25.1	68	18.7	26	0	0	24.9	315	0	0	0.254	0.4	2	0

From columns T to AG are the data of CH1~7 wireless sensors.

T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG
CH1 temperature	CH1 humidity	CH2 temperature	CH2 humidity	CH3 temperature	CH3 humidity	CH4 temperature	CH4 humidity	CH5 temperature	CH5 humidity	CH6 temperature	CH6 humidity	CH7 temperature	CH7 humidity
°C	%	°C	%	°C	%	°C	%	°C	%	°C	%	°C	%
23.8	67	23.1	57	22.2	59	24	62	21	64	22.7	60	23.2	59
23.7	67	23.2	57	22.2	59	24.1	62	21	65	22.7	61	23.2	59

SYSTEM REQUIREMENTS

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BASIC REQUIREMENTS	
Operation system:	Windows XP, Windows Vista, Windows 7 or latest version (32-bit / 64-bit)
Main memory:	1 GB RAM
Hard disk space:	50MB
Display resolution:	1360 x 768 (1920 x 1080 recommended)
Connection interface:	USB 2.0
EXPORT DATA FORMAT AND RELATED DETAIL	
Export data format:	.csv or .xls
View or edit export data:	Microsoft excel or other similar software for PC
WEATHER SERVER UPLOAD REQUIREMENTS	
Hardware:	PC or laptop that able to connect internet connection
Software:	Internet browser that support HTML5
Account:	Weather underground account

TROUBLE SHOOT

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PROBLEMS	SOLUTION
Cannot open Weather Tool when double click the .exe icon.	– Make sure the Windows version fulfill the software's requirements. – Try to use the Windows administrator permission to open.
Missing all weather live data on the dashboard.	– Make sure the console connected to your PC by using USB cable. – Check the connection status on the status bar.
Missing the channel section's temperature and humidity live data.	– Since the product pack is not included the additional Thermo Hygro sensor(s), you require to purchase additional thermo hygro sensor(s) and paired wth the console to get this live data. – The wireless sensor(s) communication has been lost or is intermittent or will not sync up, try to pair up again.
Missing the outdoor, wind, rain & UV live data.	– The 6-in-1 outdoor sensor communication has been lost or is intermittent or will not sync up, try to paired up again.
No weather data can be export, even the console memory is full.	– Make sure you select correct data period and check at least 1 data type before you export data.
The export data time stamp is not correct.	– make sure your console time is correct, it is suggested to clear the data logger after you set up the time and installed the sensor(s).
Cannot upload the live data to Weather underground and / or Weathercloud.	– Make sure you enter the valid station ID and key in the "WEATHER SERVER SECTION". – DO NOT copy and paste your station key from web browser, as it will add a lagging space. suggest you type it in. Also, it is easy to confuse the lower case letter l, upper case I and the number 1, as well as the number 0 and the letter O. – Make sure your PC always connected to internet. – The anti-virus or firewall may block the weather server upload process, you need set permission to allow this.
The console display data, live data in Weather tool and upload data is not match	– Since the live data and upload data have different refresh interval, it may cause the reading on PC software (Weather Tool) and Weather server (Weather underground & Weathercloud) have slightly different that compare with the console display readings. – If the readings have big different, you shoud do following action: 1. Ensure the connected console's PC is not in sleep or suspend mode. 2. Ensure the USB and network connection are normal.