• DASHBOARD
  - Live Data
  - Status Information
• EXPORT & SETUP
  - Unit Setup
  - Weather Server Setup
  - Data Export Setup
  - Export Data Type
• SYSTEM REQUIREMENTS
• TROUBLE SHOOT

WEATHER TOOL
USER GUIDE
**DASHBOARD**

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**DASHBOARD page overview**

![WEATHER TOOL](image)

- **INDOOR**
  - Temperature: 23.5 °C
  - Humidity: 60%
- **OUTDOOR**
  - Temperature: 18.5 °C
  - Humidity: 50%
- **WIND**
  - Speed: 10 km/h
  - Direction: NE
  - Gust: 15 km/h
- **RAIN**
  - Temperature: 20.2 °C
  - Daily Rainfall: 0.6 mm
  - Rain Rate: 1.1 mm/h
- **INDEX**
  - Relative Pressure: 1013 hPa
  - UV Index: 3
  - Outdoor Dew Point: 20.2 °C
  - Outdoor Heat Index: 18.5 °C

Status bar to show the console status
**DASHBOARD**

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**Live Data**

**INDOOR**

- **Temperature**
  - 23.5°C

- **Humidity**
  - 60%

**OUTDOOR**

- **Temperature**
  - 18.5°C

- **Humidity**
  - 50%

**WIND**

- **Speed**
  - 10 km/h

- **Direction**
  - NE

- **Gust**
  - 15 km/h

**RAIN**

- **Temperature**
  - 20.2°C

- **Humidity**
  - 62%

- **Daily Rainfall**
  - 0.6 mm

- **Rain Rate**
  - 1.1 mm/h

**INDEX**

- **Relative Pressure**
  - 1013 hPa

- **Outdoor Dew Point**
  - 20.2°C

- **UV Index**
  - 3

- **Outdoor Heat Index**
  - 18.5°C

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

Display temperature and humidity live data from the console.

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

Display wind speed and Direction 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.
DASHBOARD

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Press to select the display language
Press to refresh live data on the dashboard
Press to open the WEATHER TOOL help document

Last data read at 10/11/2017, 20:15AM

Data logger capacity status of the console:
- is connected
- is no connection or connection error

Connection status of the Console:
• DASHBOARD
  - Live Data
  - Status Information

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EXPORT & SETUP page overview

Press to show EXPORT & SETUP page

WEATHER TOOL

UNIT SETUP
Temperature °C
Pressure hPa
Rain mm
Wind speed km/h
Type of air pressure
Wind direction

WEATHER SERVER SETUP
Weather Underground
Station ID:
Station Key:
Auto Upload

DATA EXPORT SETUP
DATA PERIOD
Start Date: [ ] : [ ] : [ ] (YYYY-MM-DD)
End Date: [ ] : [ ] : [ ] (YYYY-MM-DD)

DATA SET
☐ Barometric pressure
☐ Indoor temperature & humidity
☐ Outdoor temperature & humidity
☐ Outdoor channel temperature & humidity
☐ CH1 ☐ CH2 ☐ CH3 ☐ CH4 ☐ CH5 ☐ CH6 ☐ CH7
☐ Rain data
☐ UV Index
☐ Wind data
☐ Outdoor dew point
☐ Outdoor heat index

Select All Clear All Export

Logger 75% ☁️ USB connected ●

Version: 2.00
You can change the unit of DASHBOARD and EXPORT DATA in UNIT SETUP section.

UNIT SETUP

- Temperature: °C / °F
- Pressure: hPa / mmHg / inHg
- Type of air pressure: Abs (Absolute) / Rel (Relative)
- Rain: mm / in
- Wind speed: km/h
- Wind direction: 16 direction / 360°
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.

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.

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

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

Step 1:
Select weather server for data upload

Step 2:
Enter the station ID

Step 3:
Check to start upload

Enter the station key

Connection status
- Success:
- fail:
**EXPORT & SETUP**

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**Step 1:**
Enter Start Date and End Date of the data export period or check the “Whole period” box to export whole period data in the console.

**Step 2:**
Selected the desired Data Set for data export.

**Step 3:**
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.
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.

| 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 |
|----------|-------|---------------------|--------------------|-----------------|--------------------|-------------------|--------------|------------|------------|-----------|-----------|-------------|----------------|-----------|----------------|---------------|----------------|----------------|---------|
| 2018-04-30 15:55 | 1011 | 25.9                | 65                 | 25.1            | 69                 | 18.9             | 26          | 0          | 0          | 25        | 307       | 2           | 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           | 0.254         | 0.4       | 2              | 0             |                |                |         |

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

### BASIC REQUIREMENTS

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operation system</td>
<td>Windows XP, Windows Vista, Windows 7 or latest version (32-bit / 64-bit)</td>
</tr>
<tr>
<td>Main memory</td>
<td>1 GB RAM</td>
</tr>
<tr>
<td>Hard disk space</td>
<td>50MB</td>
</tr>
<tr>
<td>Display resolution</td>
<td>1360 x 768 (1920 x 1080 recommended)</td>
</tr>
<tr>
<td>Connection interface</td>
<td>USB 2.0</td>
</tr>
</tbody>
</table>

### EXPORT DATA FORMAT AND RELATED DETAIL

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Export data format</td>
<td>.csv or .xls</td>
</tr>
<tr>
<td>View or edit export data</td>
<td>Microsoft excel or other similar software for PC</td>
</tr>
</tbody>
</table>

### WEATHER SERVER UPLOAD REQUIREMENTS

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardware</td>
<td>PC or laptop that able to connect internet connection</td>
</tr>
<tr>
<td>Software</td>
<td>Internet browser that support HTML5</td>
</tr>
<tr>
<td>Account</td>
<td>Weather underground account</td>
</tr>
</tbody>
</table>
## TROUBLE SHOOT

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