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1. Introduction
Thank you for your purchase of the Ambient Weather WS-1170 Advanced Weather Station with Temperature, Humidity, Barometer and Advanced Forecasting. The following user guide provides step by step instructions for installation, operation and troubleshooting. To download the latest full sized manual and additional troubleshooting tips, please visit:

http://ambientweather.wikispaces.com/ws1170

2. Getting Started

Note: The power up sequence must be performed in the order shown in this section (remote transmitter first, Display Console second).

The WS-1170 weather station consists of a display console (receiver), and a thermo-hygrometer (remote transmitter).

2.1 Parts List

<table>
<thead>
<tr>
<th>QTY</th>
<th>Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Display Console</td>
</tr>
<tr>
<td></td>
<td>Frame Dimensions (LxWxH): 7.25 x 4 x 1.25 in</td>
</tr>
<tr>
<td></td>
<td>LCD Dimensions (LxW): 4.25 x 2.50”</td>
</tr>
<tr>
<td>1</td>
<td>Thermo-hygrometer transmitter (WH-2) with mounting bracket</td>
</tr>
<tr>
<td></td>
<td>Dimensions (LxWxH): 3.5” x 2.5” x 0.9”</td>
</tr>
</tbody>
</table>

2.2 Recommend Tools

- Philips precision screwdriver
- Drill for mounting bracket

2.3 Thermo-Hygrometer Sensor Set Up

Note: To avoid permanent damage, please take note of the battery polarity before inserting the batteries.

Remove the battery door on the back of the sensor with a Philips screwdriver (there is only one screw, at the bottom of the unit). Insert two AAA batteries as shown in Figure 1 (we recommend lithium batteries for cold weather climates, but alkaline batteries are sufficient for most climates).

Replace the battery door and set screw. Note that the temperature and humidity will be displayed on the LCD display. Looking at the back of the unit from left to right, the polarity is (-) (+) for the top battery and (+) (-) for the bottom battery.
2.4 Display Console Set Up

Note: To avoid permanent damage, please take note of the battery polarity before inserting the batteries.

Move the remote thermo-hygrometer at least 10’ away from the display console (if the sensor is too close, it may not be received by the display console).

Remove the battery door on the back of the display. Insert three AA (alkaline or lithium, avoid rechargeable) batteries in the back of the display console. Looking at the back of the unit (left to right), the polarity is (+) (-) for the top battery, (-) (+) for the middle battery and (+) (-) for the bottom battery.

The display will beep once and all of the LCD segments will light up for a few seconds to verify all segments are operating properly.

Replace the battery door, and fold out the desk stand and place the console in the upright position.

The console will instantly display indoor temperature, humidity, barometer, tendency, date and time. The outdoor temperature and humidity will update on the display within a few minutes. Do not touch any buttons until the remote sensor reports in, otherwise the remote sensor search mode will be terminated. When the remote sensor data has been received, the console will automatically switch to the normal mode, and all further settings can be performed.

If the remote does not update, please reference the troubleshooting guide in Section 7.

2.4.1 Radio Controlled Clock (RCC)

The RCC is received by the remote sensor and transmitted to the main console to improve reception. After the remote sensor is powered up, the sensor will transmit weather data for 30 seconds, and then the sensor will begin radio controlled clock (RCC) reception. During the RCC time reception period (maximum 10 minutes), no weather data will be transmitted to avoid interference.

If the signal reception is not successful within 1 minute, the signal search will be cancelled and will automatically resume every two hours until the signal is successfully captured. The regular RF link will resume once RCC reception routine is finished. In some locations, RCC reception may take a couple of days to receive the signal.
2.4.2 Display Console Layout

**Note:** The following illustration shows the full segments of the LCD for description purposes only and will not appear like this during normal operation.

![Display Console Layout Diagram](image)

1. DST (daylight savings time)
2. WWVB Radio Controlled Time Signal
3. Time
4. Radio Controlled Time icon
5. Alarm ON indicator
6. Day of week/ time zone
7. Date
8. Indoor humidity display
9. Indoor temperature and humidity low alarm and high alarm
10. Indoor temperature display
11. Temperature display units
12. Indoor temperature and humidity alarm on indicator
13. Remote sensor transmit signal indicator
14. MIN/MAX information
15. Dew point temperature display
16. Outdoor humidity display
17. Outdoor temperature and humidity low alarm and high alarm
18. Temperature display units
19. Outdoor temperature display
20. General outdoor alarm icon
21. Weather forecast icon
22. Weather tendency indicator
23. Pressure with 24 hour history graph
24. Pressure high alarm
25. Pressure low alarm
26. Absolute or relative air pressure selection
27. Barometer air pressure
28. Pressure display unit (inHg or hPa)
29. Pressure alarm ON indicator
2.4.3 Sensor Operation Verification
Verify the indoor and outdoor humidity match closely with the console and sensor array in the same location (about 10’ apart). The sensors should be within 8% (the accuracy is ± 4%). Allow about 30 minutes for both sensors to stabilize.

Verify the indoor and outdoor temperature match closely with the console and sensor array in the same location (about 10’ apart). The sensors should be within 4°F (the accuracy is ± 2°F). Allow about 30 minutes for both sensors to stabilize.

3. Remote Sensor Installation
It is recommended you mount the remote sensor on a north facing wall, in a shaded area. Direct sunlight and radiant heat sources will result in inaccurate temperature readings. Although the sensor is water resistant, it is best to mount in a well protected area, such as an eave.

Use 3 screws to affix the mounting bracket to the wall with a precision screwdriver. Connect the remote sensor to the wall bracket.

4. Console Operation

Note: The console has four keys for easy operation: SET key, ALARM key, MIN/MAX key and key. There are four program modes: Quick Display Mode, Set Mode, Alarm Mode and Min/Max Mode.

Any program mode can be exited at any time by either pressing the SNOOZE/LIGHT key, or waiting for the 10-second time-out to take effect (the snooze/light key is on the top of the unit and is labeled SNOOZE/LIGHT).

4.1 Quick Display Mode
While in Normal Mode, press the SET key to enter the Quick Display Mode as follows (once for outdoor temperature and dew point and twice for absolute pressure and relative pressure):

1. Display Outdoor Temperature and Dew Point. Press the MIN/MAX or key to toggle between outdoor temperature and dew point.
2. **Absolute Pressure and Relative Pressure.** Press the **MIN/MAX** or **key** to toggle between absolute pressure and relative pressure.

### 4.2 Set (Program) Mode

While in Normal Mode, press and hold the **SET** key for at least three seconds to enter the Set Mode. The first setting will begin flashing. You can press the **SET** key again to skip any step, as defined below.

**Note:** In the Set mode, press the **key** or **MIN/MAX** key to change or scroll the value. Hold the **key** or **MIN/MAX** key for 3 seconds to increase/decrease rapidly.

**Note:** Press the **SNOOZE** key (or wait 10 seconds), and the Set Mode will return to Normal Mode.

1. **Daylight Savings Time (DST).** The DST (ON or OFF) setting will begin flashing. Press the **key** to toggle between DST ON and DST OFF.

2. **Time Zone Settings.** Press the **SET** key again to adjust the Time Zone (TZ) setting.

Press the **key** or **MIN/MAX** key to adjust the time zone from -12 to 12, based on the number of hours from Coordinated Universal Time, or Greenwich Mean Time (GMT).

The following table provides times zones throughout the world. Locations in the eastern hemisphere are positive, and locations in the western hemisphere are negative.

<table>
<thead>
<tr>
<th>Hours from GMT</th>
<th>Time Zone</th>
<th>Cities</th>
</tr>
</thead>
<tbody>
<tr>
<td>-12</td>
<td>IDLW: International Date Line West</td>
<td>---</td>
</tr>
<tr>
<td>-11</td>
<td>NT: Nome</td>
<td>Nome, AK</td>
</tr>
<tr>
<td>-10</td>
<td>AHST: Alaska-Hawaii Standard CAT: Central Alaska HST: Hawaii Standard</td>
<td>Honolulu, HI</td>
</tr>
<tr>
<td>-9</td>
<td>YST: Yukon Standard</td>
<td>Yukon Territory</td>
</tr>
<tr>
<td>-8</td>
<td>PST: Pacific Standard</td>
<td>Los Angeles, CA, USA</td>
</tr>
<tr>
<td>-7</td>
<td>MST: Mountain Standard</td>
<td>Denver, CO, USA</td>
</tr>
<tr>
<td>-6</td>
<td>CST: Central Standard</td>
<td>Chicago, IL, USA</td>
</tr>
<tr>
<td>-5</td>
<td>EST: Eastern Standard</td>
<td>New York, NY, USA</td>
</tr>
<tr>
<td>-4</td>
<td>AST: Atlantic Standard</td>
<td>Caracas</td>
</tr>
<tr>
<td>-3</td>
<td>---</td>
<td>São Paulo, Brazil</td>
</tr>
<tr>
<td>-2</td>
<td>AT: Azores</td>
<td>Azores, Cape Verde Islands</td>
</tr>
<tr>
<td>-1</td>
<td>WAT: West Africa</td>
<td>---</td>
</tr>
<tr>
<td>0</td>
<td>GMT: Greenwich Mean WET: Western European</td>
<td>London, England</td>
</tr>
<tr>
<td>1</td>
<td>CET: Central European</td>
<td>Paris, France</td>
</tr>
<tr>
<td>2</td>
<td>EET: Eastern European</td>
<td>Athens, Greece</td>
</tr>
<tr>
<td>3</td>
<td>BT: Baghdad</td>
<td>Moscow, Russia</td>
</tr>
<tr>
<td>4</td>
<td>---</td>
<td>Abu Dhabi, UAE</td>
</tr>
<tr>
<td>5</td>
<td>---</td>
<td>Tashkent</td>
</tr>
</tbody>
</table>
3. **12/24 Hour Format.** Press the SET key again to adjust the 12/24 hour format setting. Press the + key to change between 12 hour and 24 hour format.

4. **Change Hour.** Press the SET key again to set the hour. Press the + key or MIN/MAX key to adjust the hour up or down.

5. **Change Minute.** Press the SET key again to set the minute. Press the + key or MIN/MAX key to adjust the minute.

6. **Change Year.** Press the SET key again to set the calendar year. Press the + key or MIN/MAX key to adjust the calendar year.

7. **Change Month.** Press the SET key again to set the calendar month. Press the + key or MIN/MAX key to adjust the calendar month.

8. **Change Day.** Press the SET key again to set the calendar day. Press the + key or MIN/MAX key to adjust the calendar day.

9. **Temperature Units** (Celsius or Fahrenheit). Press the SET key again to toggle the temperature units from Celsius to Fahrenheit.

10. **Barometric Pressure Display Units** (hPa or inHg). Press the SET key again to toggle the pressure units between hPa or inHg.

11. **Relative Pressure Calibration** (default is 29.92 inHg). Press the SET key to adjust the relative barometric pressure. Press the + key or MIN/MAX key to adjust the relative barometric pressure up or down. Reference Section 4.2.1 Setting Barometric Pressure for more details on this function.

12. **Pressure Threshold Setting** (default level 2). Press the SET key again to adjust the pressure threshold setting. Press the + key or MIN/MAX key to adjust the pressure threshold up or down. Reference Section 4.5.5 for more details on this function.

13. **Storm Threshold Setting** (default level 4). Press the SET key again to adjust the storm threshold setting. Press the + key or MIN/MAX key to adjust the storm threshold up or down. Reference Section 4.5.4 for more details on this function.
4.2.1 Setting Barometric Pressure

The display console displays two different pressures: absolute (measured) and relative (corrected to sea-level).

To compare pressure conditions from one location to another, meteorologists correct pressure to sea-level conditions. Because the air pressure decreases as you rise in altitude, the sea-level corrected pressure (the pressure your location would be at if located at sea-level) is generally higher than your measured pressure.

Thus, your absolute pressure may read 28.62 inHg (969 mb) at an altitude of 1000 feet (305 m), but the relative pressure is 30.00 inHg (1016 mb).

The standard sea-level pressure is 29.92 in Hg (1013 mb). This is the average sea-level pressure around the world. Relative pressure measurements greater than 29.92 inHg (1013 mb) are considered high pressure and relative pressure measurements less than 29.92 inHg are considered low pressure.

To determine the relative pressure for your location, locate an official reporting station near you (the internet is the best source for real time barometer conditions, such as Weather.com or Wunderground.com), and set your weather station to match the official reporting station.

To change the relative pressure is flashing, press the + key or MIN/MAX key to increase or decrease the relative pressure setting to match the official reporting station.

4.3 Alarm Mode

4.3.1 Alarm Display

While in Normal Mode, press the ALARM key to enter the High Alarm Mode. Press the ALARM key again to enter the Low Alarm Mode. Press the ALARM key again to return to normal mode (or wait 10 seconds).

Note: After entering the ALARM mode, the console will display the high and low alarm settings. If the value reads --.-- (dashes), the alarm is not active.

4.3.2 Alarm Programming

While in Alarm Mode, press the SET key to set the alarms. The following are high and low alarms:

High Alarm Limits:
- Time alarm (hour/minute)
- Indoor humidity high alarm
- Indoor temperature high alarm
- Outdoor humidity high alarm
- Outdoor temperature / dew point high alarm
- Pressure high alarm

Low Alarm Limits:
- In the Low Alarm Mode press the SET key to select the following alarm modes:
  - Time alarm (hour/minute)
  - Indoor humidity low alarm
• Indoor temperature low alarm
• Outdoor humidity low alarm
• Outdoor temperature / dew point low alarm
• Pressure low alarm

In the alarm mode, Press the + key or MIN/MAX key to change or scroll the alarm value while the specific alarm is flashing.

Hold the + key or MIN/MAX key for 3 seconds to change the number rapidly. Press the ALARM key to select the alarm on or off (if alarm is enabled, the speaker icon on the LCD will be turned on indicating the alarm function has been enabled).

Press the SET key to confirm the setting and continue pressing the SET key to toggle through each alarm mode until it returns to the normal display mode.

Press the SNOOZE key or wait 10 seconds, and the alarm mode will return to the normal mode.

4.3.3 Cancelling the Alarm
When an alarm condition has been activated, the specific alarm will sound and flash for 120 seconds. Press any key to cancel the alarm.

When an alarm condition is activated again within 10 minutes, the alarm will not sound but will continue to flash until the weather condition is stable. This feature is useful to avoid repeated triggering for the same alarm value.

The alarm will reset automatically once the value has fallen below the set value, or if a new value is entered.

4.3.4 Outdoor Alarm – Temperature vs. Dew Point
When the outdoor weather alarm has been triggered, it will flash on the LCD display and the general outdoor alarm icon and high/low alarm icon will flash. For example, in the outdoor temperature display mode, when dew point high alarm is triggered the DEW POINT icon will flash along with general outdoor alarm icon and high alarm icon, indicating that the current alarm source is from dew point.
4.4 Min/Max Mode

While in Normal Mode, press the MIN/MAX key to enter the maximum mode, and the MAX icon and maximum records will be displayed and begin flashing.

Press MIN/MAX key again to enter the minimum mode, and the MIN icon and minimum records will be displayed and begin flashing.

Press MIN/MAX key again to return the Normal Mode.

In the maximum reading Mode, press the + key to display the maximum values with the time and date time stamp at which the maximum value occurred (the maximum value will begin flashing).

1. Indoor humidity maximum
2. Indoor temperature maximum
3. Outdoor humidity maximum
4. Outdoor temperature maximum
5. Pressure maximum

In the minimum reading Mode, press the + key to display the minimum values with the time and date time stamp at which the minimum value occurred (the minimum value will begin flashing).

1. Indoor humidity minimum
2. Indoor temperature minimum
3. Outdoor humidity minimum
4. Outdoor temperature minimum
5. Pressure minimum

While in the minimum or maximum mode, press the SET key for two seconds to reset the value (that is flashing) and associated date and time to the current reading.

Press the SNOOZE key or wait 10 seconds, and the Min/Max mode will return to Normal Mode.

4.5 Other Console Features

The following section describes additional console features.

4.5.1 Weather Forecasting

*Note:* The weather forecast or pressure tendency is based on the rate of change of barometric pressure. In general, when the pressure increases, the weather improves (sunny to partly cloudy) and when the pressure decreases, the weather degrades (cloudy to rain).
The weather forecast is an estimation or generalization of weather changes in the next 24 to 48 hours, and varies from location to location. The tendency is simply a tool for projecting weather conditions and is never to be relied upon as an accurate method to predict the weather.

### 4.5.2 Weather Icons

![Weather Icons]

The four weather icons are Sunny, Partly Cloudy, Cloudy and Rainy. There are also two weather tendency indicators to show the air pressure tendency between the weather icons.

### 4.5.3 Weather tendency indicator

The weather tendency arrow is located between the weather icons to show the air pressure tendency and provide a forecast based on increasing or decreasing air pressure.

The arrow pointing to the right indicates that the air pressure is increasing and the weather is expected to improve. The arrow pointing to the left indicates that the air pressure is decreasing and the weather is expected to deteriorate.

The weather tendency is based on the pressure change since last six hours. If the weather is changing, the weather tendency indicator (animated arrows) will flash for three hours, indicating the weather is expected to change. If the weather conditions become stable and no new weather change conditions are met, then the arrows will be fixed.

**Example 1:** Pressure is decreasing, weather is deteriorating.

![Example 1]

**Example 2:** Pressure is increasing, weather is improving.

![Example 2]
4.5.4 Storm threshold indicator

The storm threshold (the negative rate of pressure change signifying a storm is expected) can be adjusted by the user from level 3 to level 9 (the default level 4 mbar/hour).

When negative rate of change of pressure is exceeded for 3 hours, the storm warning indicator will be activated, and the clouds with rain icon and tendency arrows will flash for 3 hours indicating the storm warning feature has been activated.

4.5.5 Pressure threshold setting

The pressure threshold (the negative or positive rate of change of pressure signifying a change in the weather) can be adjusted by the user from level 2 to level 4 (default level 2 mbar/hour).

The lower the level pressure threshold setting, the higher sensitivity for weather forecast changes. Locations that experience frequent changes in air pressure require a higher setting compared to locations where the air pressure is typically stagnant.

4.5.6 Pressure Graph

Note: The weather station bar graph flashes from right to left to prevent screen burn in. This feature cannot be turned off.

The pressure graph displays the barometric pressure for the last 24 hours. Each bar represents three hours.

5. Glossary of Terms

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Absolute Barometric Pressure</td>
<td>Relative barometric pressure, corrected to sea-level.  To compare pressure conditions from one location to another, meteorologists correct pressure to sea-level conditions. Because the air pressure decreases as you rise in altitude, the sea-level corrected pressure (the pressure your location would be at if located at sea-level) is generally higher than your measured pressure.</td>
</tr>
<tr>
<td>Accuracy</td>
<td>Accuracy is defined as the ability of a measurement to match the actual value of the quantity being measured.</td>
</tr>
<tr>
<td>HectoPascals (hPa)</td>
<td>Pressure units in SI (international system) units of measurement. Same as millibars (1 hPa = 1 mbar)</td>
</tr>
<tr>
<td>Hygrometer</td>
<td>A hygrometer is a device that measures relative humidity. Relative humidity is a term used to describe the amount or percentage of water vapor that exists in air.</td>
</tr>
<tr>
<td>Inches of Mercury (inHg)</td>
<td>Pressure in Imperial units of measure. 1 inch of mercury = 33.86 millibars</td>
</tr>
<tr>
<td>Range</td>
<td>Range is defined as the amount or extent a value can be measured.</td>
</tr>
</tbody>
</table>
Relative Barometric Pressure

- Measured barometric pressure relative to your location or ambient conditions.

6. Specifications

6.1 Wireless Specifications
- Line of sight wireless transmission (in open air): 300 feet
- Frequency: 433 MHz
- Update Rate: 48 seconds

6.2 Measurement Specifications
The following table provides specifications for the measured parameters.

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Range</th>
<th>Accuracy</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor Temperature</td>
<td>32 to 140 °F</td>
<td>± 2 °F</td>
<td>0.1 °F</td>
</tr>
<tr>
<td>Outdoor Temperature</td>
<td>-40 to 149 °F</td>
<td>± 2 °F</td>
<td>0.1 °F</td>
</tr>
<tr>
<td>Indoor Humidity</td>
<td>1 to 99 %</td>
<td>± 5%</td>
<td>1 %</td>
</tr>
<tr>
<td>Outdoor Humidity</td>
<td>20 to 95%</td>
<td>± 5%</td>
<td>1 %</td>
</tr>
<tr>
<td>Barometric Pressure</td>
<td>8.85 to 32.50 inHg</td>
<td>± 0.08 inHg (within range of 27.13 to 32.50 inHg)</td>
<td>0.01 inHg</td>
</tr>
</tbody>
</table>

6.3 Power Consumption
- Base station: 3 x AA 1.5V Alkaline batteries
- Remote sensor: 2 x AAA 1.5V Alkaline batteries
- Battery life: Minimum 12 months for base station
  Minimum 24 months for thermometer-hygrometer sensor (use lithium batteries in cold weather climates)

7. Troubleshooting Guide
If your question is not answered here, you can contact us as follows:

1. Email Support: support@ambientweather.com
2. Live Chat Support: www.ambientweather.com/chat.html (M-F 8am to 4pm Arizona Time)
3. Technical Support: 480-283-1644 (M-F 8am to 4pm Arizona Time)

<table>
<thead>
<tr>
<th>Problem</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wireless remote (thermo-hygrometer) not reporting in to console.</td>
<td>The maximum line of sight communication range is 300’. Move the sensor assembly closer to the display console.</td>
</tr>
<tr>
<td>There are dashes on the display console.</td>
<td>If the sensor assembly is too close (less than 10’), move the sensor assembly away from the display console.</td>
</tr>
<tr>
<td></td>
<td>Cycle power on the console. The console may have exited the search mode.</td>
</tr>
</tbody>
</table>
Install a fresh set of batteries in the remote thermo-hygrometer. For cold weather environments, install lithium batteries.

Make sure the remote sensors are not transmitting through solid metal (acts as an RF shield), or earth barrier (down a hill).

Move the display console around electrical noise generating devices, such as computers, TVs and other wireless transmitters or receivers.

Move the remote sensor to a higher location. Move the remote sensor to a closer location.

Radio Frequency (RF) Sensors cannot transmit through metal barriers (example, aluminum siding) or multiple, thick walls.

<table>
<thead>
<tr>
<th>Temperature sensor reads too high in the day time.</th>
<th>Make sure the thermo-hygrometer is mounted in a shaded area on the north facing wall. Consider the following radiation shield if this is not possible: <a href="http://www.ambientweather.com/amwesrpatean.html">http://www.ambientweather.com/amwesrpatean.html</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor and Outdoor Temperature do not agree</td>
<td>Allow up to one hour for the sensors to stabilize due to signal filtering. The indoor and outdoor temperature sensors should agree within 4 °F (the sensor accuracy is ± 2 °F)</td>
</tr>
<tr>
<td>Indoor and Outdoor Humidity do not agree</td>
<td>Allow up to one hour for the sensors to stabilize due to signal filtering. The indoor and outdoor humidity sensors should agree within 10 % (the sensor accuracy is ± 5 %)</td>
</tr>
<tr>
<td>Humidity is reading 20% at low humidity or 95% at high humidity</td>
<td>The humidity sensor is out of range (20 to 95%)</td>
</tr>
<tr>
<td>Absolute pressure does not agree with official reporting station</td>
<td>You may be viewing the relative pressure, not the absolute pressure. Select the absolute pressure. Make sure you properly calibrate the sensor to an official local weather station. The barometer is only accurate to ± 0.08 inHg within the following relative pressure range: 27.13 to 32.50 inHg, which corresponds to an altitude of -2,200 to 2,700 feet. At higher altitudes, expect some non-linearity or error.</td>
</tr>
<tr>
<td>The forecast icon is not accurate</td>
<td>The weather station console must run for several days to trend barometric pressure. The weather forecast is an estimation or generalization of weather changes in the next 24 to 48 hours, and varies from location to location. The tendency is simply a tool for projecting weather conditions and is never to be relied upon as an accurate method to predict the weather.</td>
</tr>
<tr>
<td>Display console contrast is weak</td>
<td>Replace console batteries with a fresh set of batteries.</td>
</tr>
</tbody>
</table>
8. Accessories

The following software and hardware accessories are available for this weather station at [www.AmbientWeather.com](http://www.AmbientWeather.com).

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Image</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energizer AA Lithium Battery (2-pack) - Batteries for Long Life and Cold Climates</td>
<td><img src="image" alt="Energizer Battery" /></td>
<td>AA lithium batteries for cold weather climates.</td>
</tr>
<tr>
<td>Ambient Weather SRS100LX Temperature and Humidity Solar Radiation Shield</td>
<td><img src="image" alt="Solar Radiation Shield" /></td>
<td>Solar Radiation Shield improves temperature accuracy for hot weather climates. Remove the rain guard and install over thermo-hygrometer.</td>
</tr>
</tbody>
</table>

9. Liability Disclaimer

Please help in the preservation of the environment and return used batteries to an authorized depot. 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 use in the home only 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.

10. FCC Statement

**Statement according to FCC part 15.19:**
This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

**Statement according to FCC part 15.21:**
Modifications not expressly approved by this company could void the user's authority to operate the equipment.

Statement according to FCC part 15.105:
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

11. 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 a 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 (6) the products inability to receive a signal due to any source of interference or metal obstructions and (7) extreme acts of nature, such as lightning strikes or floods.

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.