Logia

5-IN-1 WIRELESS WEATHER STATION WITH PC DATA SYNC USER GUIDE

LOWSB510PB

Thank you for purchasing the **Logia™ 5-in-1 Wireless Weather Station with PC Data Sync.** This User Guide is intended to provide you with guidelines to ensure that operation of this product is safe and does not pose risk to the user. Any use that does not conform to the guidelines described in this User Guide may void the limited warranty.

Please read all directions before using the product and retain this guide for reference. This product is intended for household use only. It is not intended for commercial use.

This product is covered by a limited one-year warranty. Coverage is subject to limits and exclusions. See warranty for details.

◼ TABLE OF CONTENTS

◼ SAFETY PRECAUTIONS

1. Do not let children use or play with this device. It is not a toy.

2. Do not use any attachments not supplied or recommended by the manufacturer.

3. Do not place the appliance near open flames or heat sources. Fire, electric shock, product damage, or injury might occur.

4. Do not mix old and new batteries in the display unit.

5. A low battery symbol 🔋 will appear in the upper right corner of the LCD display when battery power is low. Be sure to change the batteries promptly to ensure the proper operation of the weather station.

6. Do not subject the display unit to excessive force or shock (do not throw the unit!), dust, extreme high or low temperatures, or humidity/moisture. These can cause the unit to stop functioning as well as present the risk of shock, fire, or other hazards.

7. Do not cover the ventilation holes on the display with newspapers, curtains, or any other items.

8. Never immerse the display in water! If you spill any liquid on the display, dry it immediately with a soft, lint-free cloth.

9. Do not use abrasive or corrosive materials to clean the display.

10. Do not tamper with the display or the weather vane's internal components. This invalidates your limited warranty.

11. Placing this product on certain types of wood may result in unintended damage to the finish, for which Logia™ will not be responsible. Consult your furniture manufacturer's instructions for information on wood care.

12. Do not dispose of old batteries as unsorted municipal waste. Make sure to dispose of them properly according to your local guidelines.

13. The main display console is only intended for use indoors.

QUESTIONS OR PROBLEMS? CONTACT US!
Email: info@supportcbp.com or call: 1-833-815-0568
www.logiaweatherstation.com

PRODUCT FEATURES

1. Wireless 5-in-1 weather sensor measures wind speed, wind direction, rainfall, temperature, and humidity.

2. No calibration needed! The product is fully pre-calibrated and mostly assembled; all you need to do is install it and sync with the included display console.

3. Provides precise weather and environmental information directly from your own backyard, instead of relying on a national weather station.

4. Black and white LCD display screen with amber backlight.

5. Can alert you to excessively high/low indoor or outdoor temperatures or humidity, high wind speeds, extreme drops in barometric pressure, high heat indexes, low wind chills, and high/low dew points.

6. Syncs with installed PC software to help you store and track weather data in your area. (Does not work with non-Windows computers.)
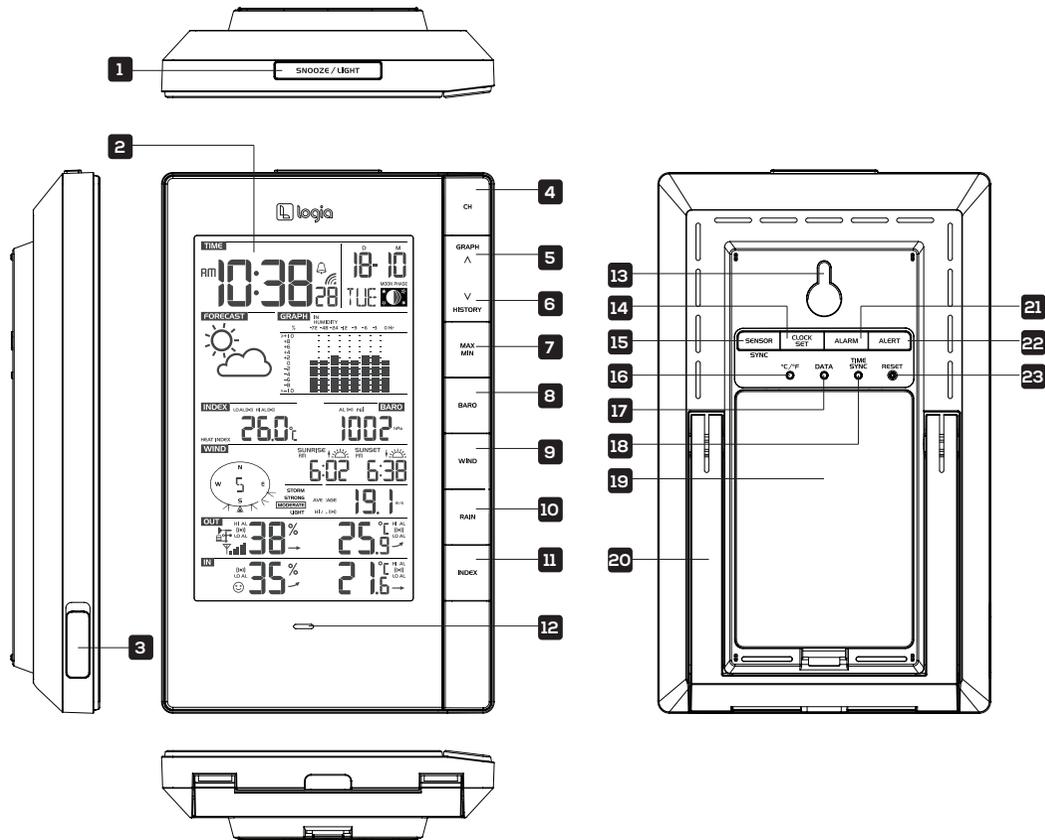
PACKAGE CONTENTS
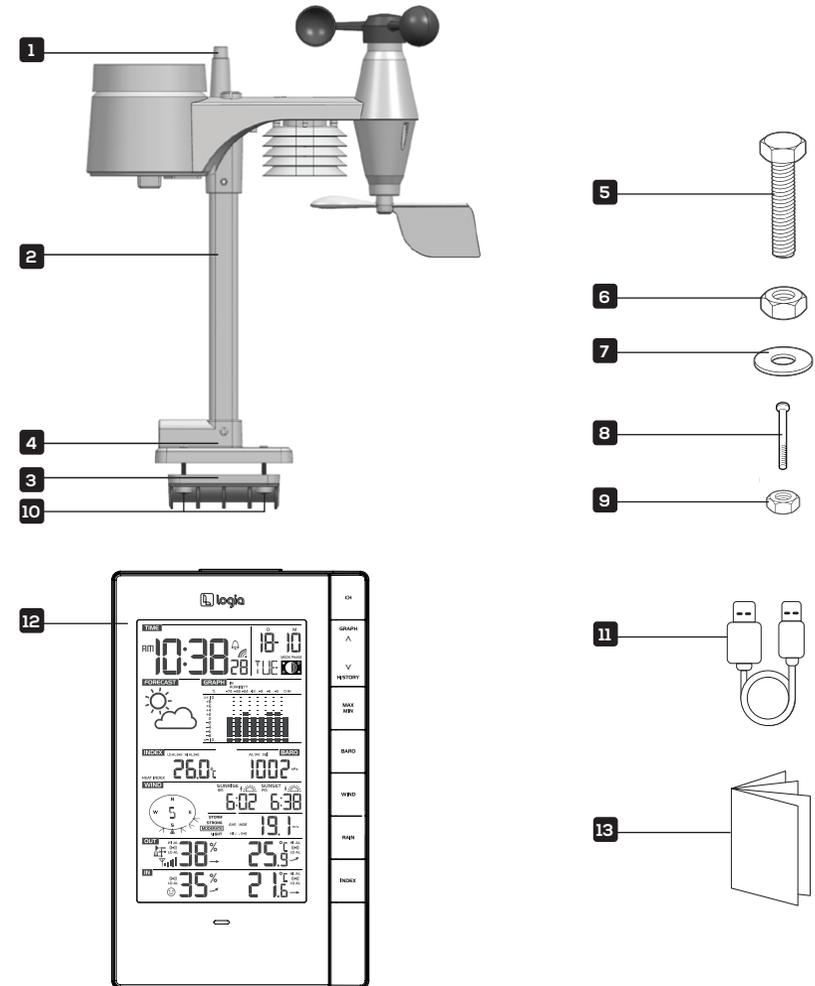
1. Wireless Weather Sensor (1)

2. Mounting Pole (1) Plastic Exterior

3. Mounting Clamp (1)

4. Mounting Base (1)

5. Large Mounting Screws (4)

6. Large Hexagonal Nuts (4)

7. Large Washers (4)

8. Small Screws (2)

9. Small Hexagonal Nuts (2)

10. Rubber Pads for Mounting Clamp

11. Micro USB Cable (1)

12. Display Console (1)

13. User Guide

DISPLAY CONSOLE OVERVIEW

MAIN CONSOLE OVERVIEW

1. Snooze/Backlight button
2. LCD Display (see overview on page 7)
3. Micro USB port
4. CH button
5. GRAPH/∧ button
6. HISTORY/∨ button
7. MAX/MIN button
8. BARO button
9. WIND button
10. RAIN button
11. INDEX button
12. Alert indicator
13. Wall mount notch
14. CLOCK SET button
15. SENSOR/SYNC button
16. °C/°F button
17. DATA button
18. TIME SYNC button
19. Battery compartment
20. Kickstand
21. ALARM button
22. ALERT button
23. RESET button

LCD DISPLAY OVERVIEW
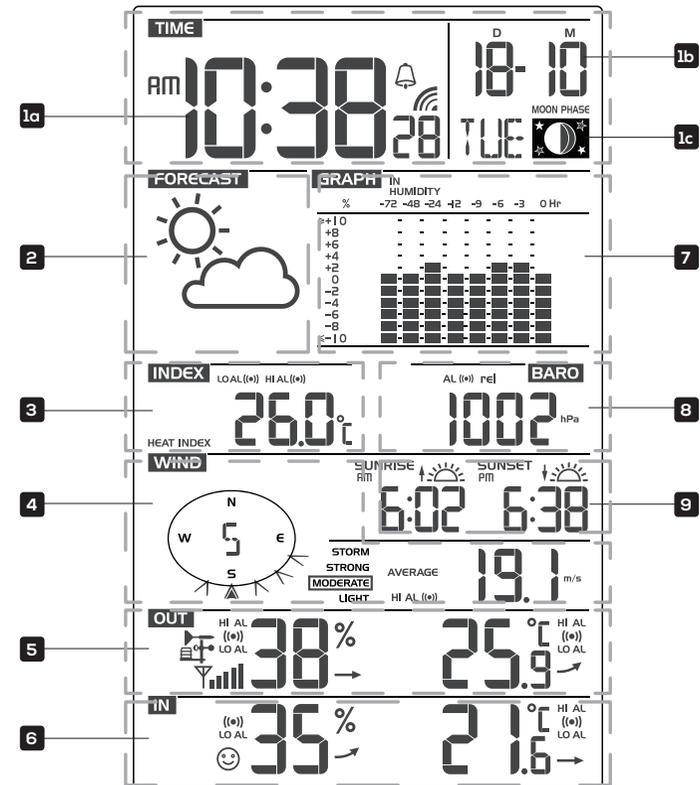
1. a) Time, b) date, and c) moon phase
2. Weather forecast icons
3. Weather indexes (heat index, wind chill, Beaufort level, dew point)
4. Wind direction and wind speed
5. Temperature and humidity (outdoor)
6. Temperature and humidity (indoor)
7. Multi-function historical bar chart
8. Barometer and rainfall
9. Sunrise/sunset times

WIRELESS WEATHER SENSOR OVERVIEW

MAIN DEVICE
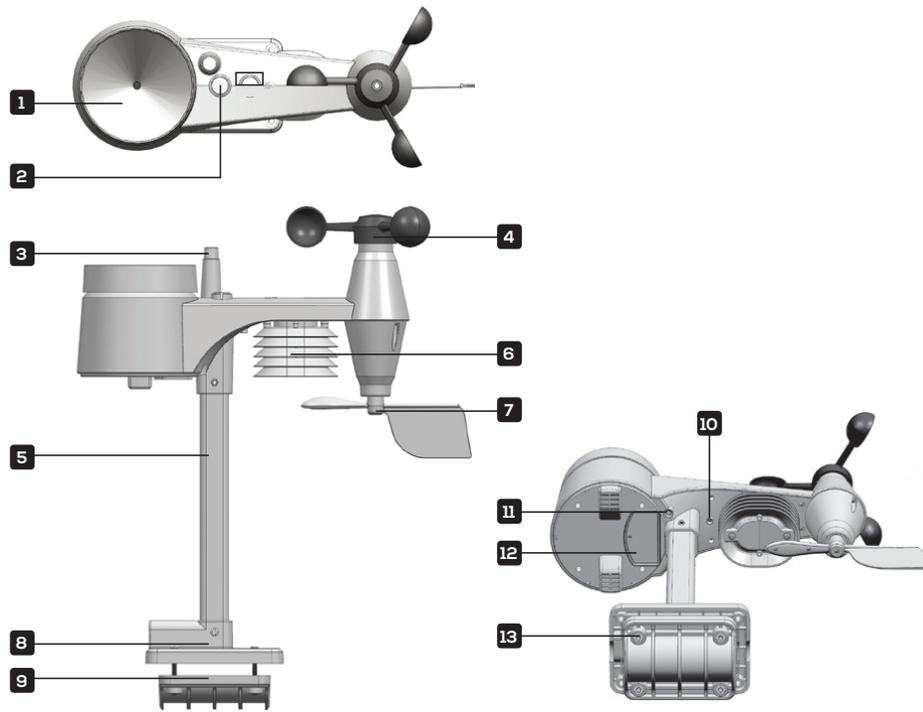
1. Rain collector
2. Level
3. Antenna
4. Wind cups (anemometer)
5. Mounting pole
6. Sensor casing
7. Wind vane
8. Mounting base
9. Mounting clamp
10. Red LED indicator
11. RESET button
12. Battery compartment
13. Mounting clamp screws

RAIN GAUGE
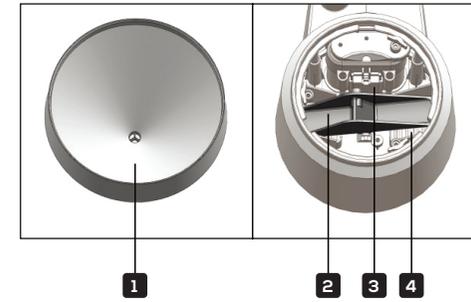
1. Rain collector
2. Tipping bucket
3. Rain sensor
4. Drain holes

TEMPERATURE AND HUMIDITY SENSOR
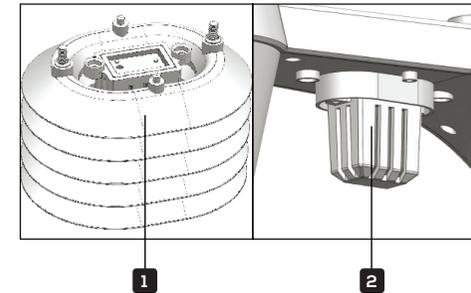
1. Sensor shield
2. Temperature and humidity sensor

WIND SENSOR
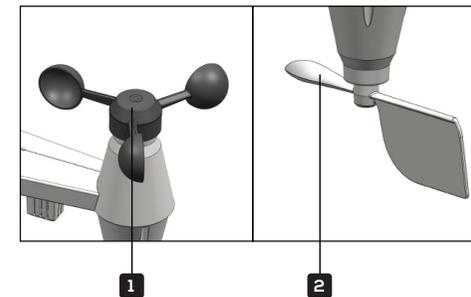
1. Wind cups (anemometer)
2. Wind vane

WIRELESS WEATHER SENSOR SETUP

INSTALL BATTERIES

1. Unscrew the door to the battery compartment on the underside of the main sensor unit.

2. Insert three (3) new AA alkaline batteries, making sure the polarities match up with the markings inside the compartment.
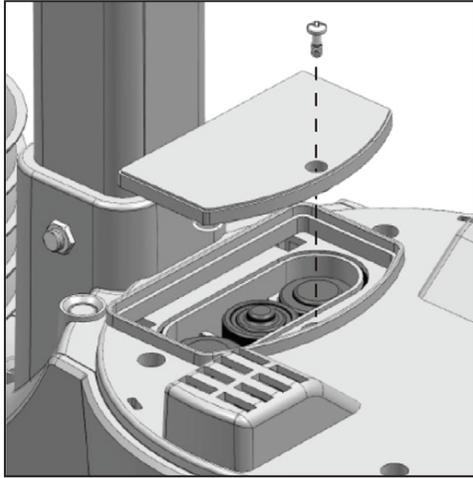
3. Replace the battery door, ensuring the watertight O-ring is properly aligned. This maintains the water-resistant seal.

4. Replace the battery screw, making sure it is tightly fastened down. The red LED should begin flashing every 12 seconds.

ASSEMBLE STAND AND POLE

1. Insert the top of the pole into the square hole at the bottom of the weather sensor. Ensure that the arrow indicators are lined up as shown.
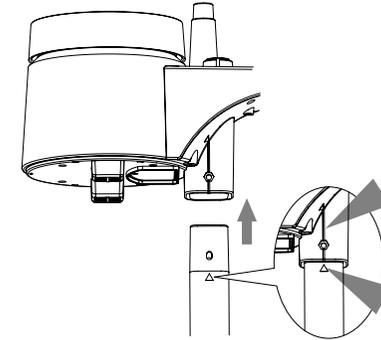
2. Insert the nut into the hexagonal hole by the sensor and hold it in place, then insert the screw through the other side. Use a screwdriver to tighten the screw. Do not insert the screw first, or the nut may not line up correctly with the designated hole.
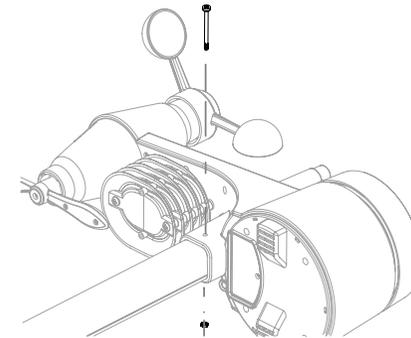
3. Insert the bottom of the pole into the square hole on the plastic stand, making sure the arrows are lined up as shown.
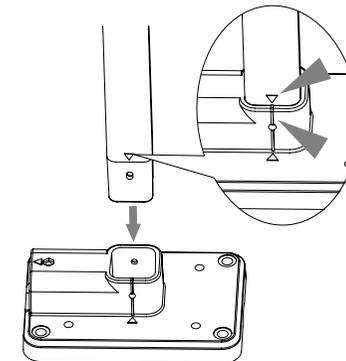
Please note that there are two different ways you can attach the pole to the base, depending on how you will be mounting it outdoors. If you will be fastening the sensor directly to a railing, use the option that positions the stand perpendicular to the sensor pole. If you will be fastening it to a pole, use the slot that positions the base parallel to the sensor pole.
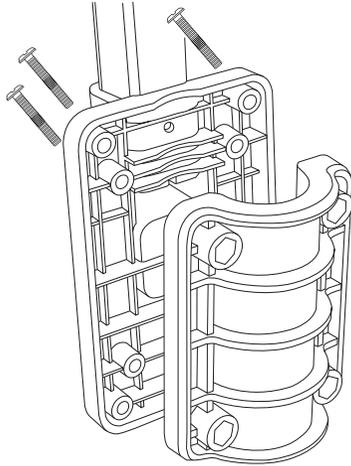
4. Insert the nut into the hexagonal hole on the side of the stand and hold it in place, then insert the screw through the other side. Use a screwdriver to tighten the screw.
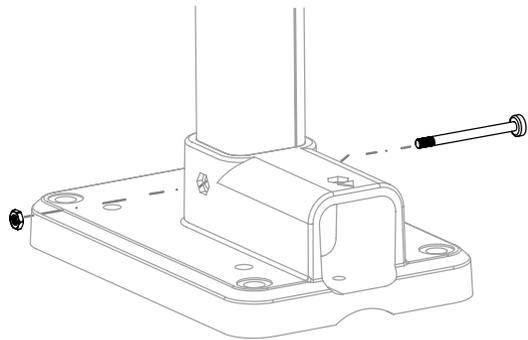
MOUNT THE SENSOR OUTDOORS

1. The wireless weather sensor should be mounted in an open area with no obstructions above and/or around it, so that it can accurately measure the rain and wind.

2. The wind vane should be pointed due North (refer to the arrow on top of the unit) in order to be properly oriented and receive accurate wind readings.

3. The mounting stand and included clamps should be secured to a post or pole, with a minimum of 4.9 ft. (1.5 m) ground clearance.

4. If securing to a pole, make sure you add the rubber pads to the clamp before fastening it with the included screws. The pole should be between 1"-1.3" in diameter.

A MOUNTING ON POLE
(POLE DIAMETER 1"-1.3")
(25-33MM)

If securing to a railing, make sure the railing is made of suitable material, and screw directly through the openings in the base stand into the railing until secure.
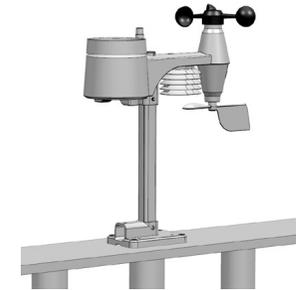
B MOUNTING ON A RAILING

5. The mounting location should be within 492 ft. (150 m) of the location where you will be keeping the display console with few obstructions and relatively clear sightlines. If there are multiple walls/levels/buildings in between the sensor and the display console, the functionality could be compromised and you will need less space between the two.

6. Use the built-in level to make sure the sensor is parallel with the ground.

DISPLAY CONSOLE SETUP

Your display console can pair with the wireless weather sensor as well as up to seven (7) optional wireless hygro-thermo outdoor sensors (not included).

INSTALLING BATTERIES

1. Remove the battery door on the rear of the console unit.
2. Insert six (6) new AA batteries, making sure the polarities match up with the polarities marked inside the compartment.
3. Replace the battery door.

4. Once the batteries are inserted, the LCD display should power on.
   NOTE: If nothing appears on the LCD display after you insert the batteries, use a pin or similar small object to press the RESET button at the rear.

NOTE: The display console does not need to be plugged in, and is rated to last up to 2 years on battery power alone. However, it can also be powered via the micro USB connection.

PAIRING THE WIRELESS WEATHER SENSOR WITH THE DISPLAY CONSOLE

1. Once you insert the batteries and the display console powers on, it should automatically search for and connect to the wireless weather sensor. If the console does not connect within the first 15 minutes, refer to the following section, Changing Batteries and Manual Pairing, for instructions on manual pairing.

2. You will see the icon of an antenna blinking in the temperature and humidity (outdoor) section of the display.

3. Once the pairing process completes, the antenna icon will appear solid (not blinking), and the readings for outdoor temperature and humidity, wind speed, wind direction, and rainfall will appear in their designated sections of the LCD display.

CHANGING BATTERIES AND MANUAL PAIRING

Whenever you change the batteries in the console, you will need to manually re-pair it with the wireless weather sensor. Follow these instructions to manually pair your console with the sensor.
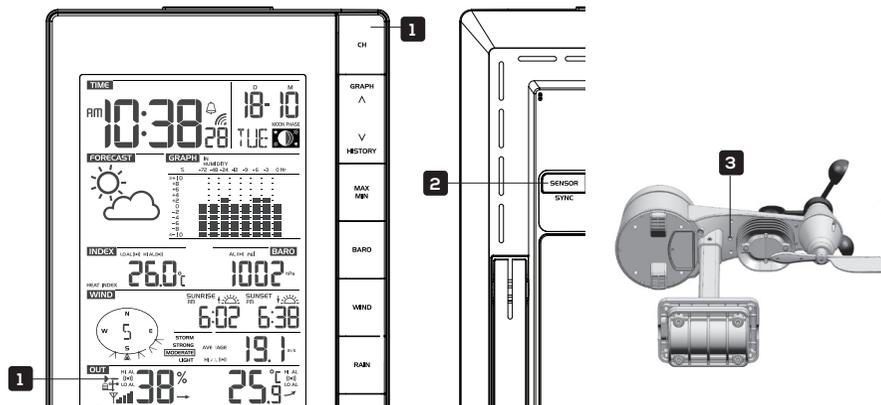
1. Press the CH button until the antenna icon ⬚⬚⬚ appears in the temperature and humidity (outdoor) section of the LCD display.

2. Press the SENSOR/SYNC button at the back of the console.

3. Go outside to where your wireless weather sensor is mounted, and press the RESET key on its underside. Make sure after pressing the RESET key that the red LED indicator is flashing every 12 seconds.

NOTE: Any time you press the RESET key underneath the wireless weather sensor, it generates a new ID code for pairing with the console, and you will need to press the SENSOR/SYNC button on the console for the two devices to pair again.

PAIRING ADDITIONAL WIRELESS SENSORS WITH THE DISPLAY CONSOLE

The display console should automatically search and pair with any additional wireless hygro-thermo outdoor sensors you install. You can also press the SENSOR/SYNC button to search manually for the sensor while on the channel where it should display. Once your sensor has paired, the sensor signal strength indicator and weather information will appear in the temperature and humidity (outdoor) section when you are on the channel associated with that sensor.

SYNC PC TIME

The display console is designed to automatically synchronize its calendar and clock when connected to your computer via a micro USB data cable, as long as you have the PC Software, "Weather Tool," running. (Software can be downloaded online from our website: http://www.www.logiaweatherstation. com). Once you connect the display console to the computer, it will automatically synchronize the time*, and will re-sync again at 12:00AM each day. You can also press the TIME SYNC button at the rear of the console to sync the time with your PC.

*Time synchronization can sometimes take up to 30 minutes.

NOTES:
- The time sync function will only work with the "Weather Tool" PC Software installed, so make sure that software is open and running when you connect the console.
- The time will sync to the time on your PC, so make sure that your PC time is correct before connecting the unit. Once PC time has synced, the ⬚⬚⬚ icon will appear in the TIME section of the LCD Display.
- If you want to disable the automatic time sync function, press and hold the TIME SYNC button for eight (8) seconds. Repeat this process to re-enable it.

MANUALLY SETTING THE TIME

1. In normal operating mode, press and hold the CLOCK SET button for two (2) seconds to enter the clock setting menu.
2. Press the ⋀ or ⋁ buttons to adjust the hour.
3. Press the CLOCK SET button again to make adjustments to the next setting.
4. Settings cycle through the following options: HOUR > MINUTE > SECOND > 12-hour/24-hour format > Year > Month > Day > M-D/D-M date format > Longitude (for sunrise/sunset) > Latitude (for sunrise/sunset) > Time Zone > Language
5. Press the CLOCK SET button one final time after adjusting all settings options to save and exit, or the console will automatically save and exit the menu after 60 seconds of idle time.

■ CLOCK SET OPTIONS DISPLAY

Hour > Minute > Second	
12-Hr/24Hr	
Year > Month > Day	
M-D/ D-M setting	Month-Day / Day-Month
Longitude	Press the CH button to switch between setting the longitude direction or digits. Press the GRAPH/▲ or HISTORY/▼ buttons to change the value (i.e. East/West)
Latitude	Press the CH button to switch between setting the longitude direction or digits. Press the GRAPH/▲ or HISTORY/▼ buttons to change the value (i.e. North/South)
Time Zone	Press the GRAPH/▲ or HISTORY/▼ buttons to change the time zone (e.g. -5 corresponds to GMT -5).
Language	EN > DE > FR > ES > IT > NL > RU > EN

NOTE: The display console calculates the sunrise and sunset times based on the longitude, latitude, and time zone data that you enter. Make sure you have the precise information when manually setting the time. (We strongly encourage using the PC software.)
In normal operating mode, press the CLOCK SET button to switch between viewing the date and the year.

■ OTHER DISPLAY CONSOLE SETTINGS

MOON PHASE

The display console calculates the moon phase according to your time, date, and time zone. The table below explains the corresponding phases and their icons for both Northern and Southern hemispheres. Please refer to the section regarding Orienting the Wireless Weather Sensor Due South on page 29 for more information on setting up your Wireless Weather Sensor in the Southern Hemisphere.

Northern Hemisphere Icons	Moon Phase	Southern Hemisphere Icons
	New Moon	
	Waxing Crescent Moon	
	First Quarter Moon	
	Waxing Gibbous Moon	
	Full Moon	
	Waning Gibbous Moon	
	Third Quarter Moon	
	Waning Crescent Moon	

SETTING THE ALARM

If you'd like to use your display console as an alarm clock, follow these instructions to set the alarm time:
1.   In normal operating mode, press and hold the ALARM button for two (2) seconds until the alarm hour starts flashing. This indicates that you have entered the alarm time setting mode.
2.   Use the GRAPH/▲ or HISTORY/▼ buttons to adjust the alarm hour. Press and hold either button to move through the hours quickly.
3.   Press the ALARM button again to confirm the alarm hour and move to adjusting the minutes. The minute digits should be flashing.
4.   Use the GRAPH/▲ or HISTORY/▼ buttons to adjust the alarm minute. Press and hold either button to move through the minutes quickly.
5.   Press the ALARM button to save and exit the menu.

NOTES:
 • Once you have an alarm set, the 🔔 icon will be displayed next to the time on the LCD display.
 • The alarm function will be activated automatically once you set a time.

ACTIVATING/DEACTIVATING THE ALARM & TEMPERATURE PRE-ALARM

The temperature pre-alarm will alert you 30 minutes prior to your alarm time whenever the outdoor temperature falls below 26.5°F (-3°C).

1.   In normal operating mode, press the ALARM button to display the set alarm time for five (5) seconds.

2.   When the alarm time is being shown on the LCD display, press the ALARM button again to cycle through the alarm functions as shown below. The corresponding icons will appear on the LCD display.

Alarm off	Alarm on	Alarm with ice-alert

3.   When the clock reaches the designated alarm time, the alarm sound will start playing.

4.   To stop the alarm:

 a. Allow the alarm to continue for two minutes and it will stop itself automatically. It will remain set for the following day.
 b. Press the SNOOZE/BACKLIGHT button on top of the unit to snooze the alarm for five minutes. The snooze can be set continuously for 24 hours. We don't recommend doing that, though. While the console is in snooze mode, the alarm icon   will continue flashing.
 c. Press and hold the SNOOZE/BACKLIGHT BELL for two (2) seconds to stop the alarm completely. It will stay set for the following day.
 d. Press the ALARM button to stop the alarm completely. It will remain set for the following day.

TEMPERATURE/HUMIDITY & TRENDS

Press the °C/°F button to switch between Celsius and Fahrenheit temperature measurements. The arrows show the trend in changes to the temperature/humidity levels.

Arrow Icon	➚	➙	➘
Temp/Humidity Trend	Rising	Steady	Falling

NOTE:
 • If/when the temperature outside falls below -40°F (-40°C), the LCD display will show the word "Lo" in the temperature section. If the temperature outside rises above 176°F (80°C), the LCD display will show the word, "HI" in the temperature section.
 • If/when the humidity level falls below 1%, the LCD display will show the word "Lo" in the humidity section. If/when the humidity level rises above 99%, the LCD display will show the word, "HI" in the humidity section.

VIEWING OUTDOOR CHANNELS

This console is capable of pairing with the wireless weather sensor and up to 7 additional wireless thermal-hygro sensors. If you have 2 or more sensors installed, press the CH button to cycle between different wireless channels in normal operating mode, or press and hold the CH button for two (2) seconds to toggle auto-cycle mode on, which cycles through displaying all connected channels at 4-second intervals. While the console is in auto-cycle mode, you can press the CH button once to toggle auto-cycle mode off and continue displaying the current channel.

RECEIVING WIRELESS SENSOR SIGNALS

1.   While in normal operating mode, press the SENSOR/SYNC button once to start receiving the current sensor signal on the channel being displayed. (i.e. if you're on CH 1 and press the SENSOR/SYNC button, the current wireless sensor signal being received will only display on CH 1.) The signal icon will start flashing.
2.   The signal icon will continue flashing until it successfully receives a signal. If no signal is received within five (5) minutes, the icon will disappear.

No signal	Weak signal	Good signal

3. If the signal for the outdoor channel has been interrupted and does not recover within 15 minutes, the signal icon will disappear. The temperature and humidity section (outdoor) will display "—" on the corresponding channel.

4. If the signal still does not recover within 48 hours, the "—" display will become permanent. You will need to replace the batteries on the associated channel's sensor and press the SENSOR/SYNC button to pair up the sensors again.

5. After replacing batteries in the display console or the wireless weather sensor, or if the unit fails to receive a specified channel, press the SENSOR/SYNC button while the failed channel is being displayed to manually receive that sensor's signal again.

INDOOR COMFORT INDICATOR KEY

The indoor comfort indicators display a pictorial representation based on the indoor air temperature and humidity levels to determine the approximate comfort level.
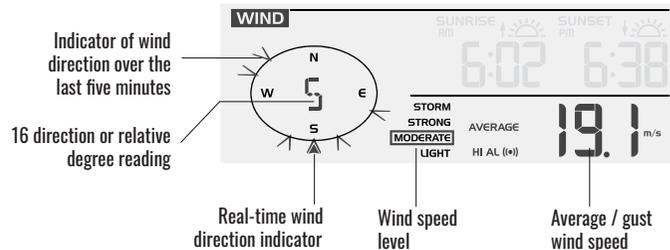
☹	☺	💧☹
Too cold	Comfortable	Too hot

NOTE:

Comfort indicator levels may vary even when the temperature is the same due to variances in relative humidity levels. No comfort indicator will be displayed if the temperature falls below 32°F (0°C) or over 140°F (60°C).

WIND READOUTS

Wind Direction

Indicator of wind direction over the last five minutes

16 direction or relative degree reading

Real-time wind direction indicator

Wind speed level

Average / gust wind speed

SELECTING WIND DISPLAY MODE

While in normal operating mode, press the WIND button to switch between the average wind speed measurement and gust wind speed measurement.

Set Wind Speed Units and Direction Display Format

1. While in normal operating mode, press and hold the WIND button for two seconds to enter the wind speed unit setting mode. The unit display will start flashing. Press the GRAPH/▲ or HISTORY/▼ buttons to cycle through the wind speed units in the following order: m/s > km/h > knots > mph

2. Press the WIND button again to enter the wind direction display format setting mode. The wind direction reading will start flashing. Press the GRAPH/▲ or HISTORY/▼ buttons to choose between the 16-direction or relative degree display.

3. Press the WIND button again to return to normal display mode.

Wind Speed Level Chart

Level	Light	Moderate	Strong	Storm
Speed	0.1~11.8 mph	12~30.4 mph	31~54.7 mph	>55 mph

WEATHER INDEXES

When reading the Weather Index display, you can press the INDEX button to cycle through different weather indexes in the following order: Beaufort Scale > Wind Chill > Heat Index > Dewpoint.

Beaufort Scale

The Beaufort scale is an international scale of wind velocities ranging from 0 (calm) to 12 (hurricane force).

Beaufort Scale Level	Description	Wind Speed	Land Condition
0	Calm	< 1 km/h	Calm. Smoke rises vertically.
		< 1 mph	
		< 1 knot	
		< 0.3 m/s	
1	Light air	1.1 ~ 5km/h	Smoke drifts indicate wind direction. Leaves and wind vanes are stationary.
		1 ~ 3 mph	
		1 ~ 3 knot	
		0.3 ~ 1.5 m/s	
2	Light breeze	6 ~ 11 km/h	Wind can be felt on exposed skin. Leaves rustle. Wind vanes begin to move.
		4 ~ 7 mph	
		4 ~ 6 knot	
		1.6 ~ 3.3 m/s	
3	Gentle breeze	12 ~ 19 km/h	Leaves and small twigs constantly moving, light flags extended.
		8 ~ 12 mph	
		7 ~ 10 knot	
		3.4 ~ 5.4 m/s	
4	Moderate breeze	20 ~ 28 km/h	Dust and loose paper raised. Small branches begin to move.
		13 ~ 17 mph	
		11 ~ 16 knot	
		5.5 ~ 7.9 m/s	

5	Fresh breeze	29 ~ 38 km/h	Branches of a moderate size move. Small trees in leaf begin to sway.
		18 ~ 24 mph	
		17 ~ 21 knot	
		8.0 ~ 10.7 m/s	
6	Strong breeze	39 ~ 49 km/h	Large branches in motion. Whistling heard in overhead wires. Umbrella use becomes difficult. Empty plastic bins tip over.
		25 ~ 30 mph	
		22 ~ 27 knot	
		10.8 ~ 13.8 m/s	
7	High wind	50 ~ 61 km/h	Whole trees in motion. Effort needed to walk against the wind.
		31 ~ 38 mph	
		28 ~ 33 knot	
		13.9 ~ 17.1 m/s	
8	Gale	62 ~ 74 km/h	Some twigs broken from trees. Cars veer on the road. Progress on foot is seriously impeded.
		39 ~ 46 mph	
		34 ~ 40 knot	
		17.2 ~ 20.7 m/s	
9	Strong gale	75 ~ 88 km/h	Some branches break off trees, and some small trees blow over. Construction/temporary signs and barricades blow over.
		47 ~ 54 mph	
		41 ~ 47 knot	
		20.8 ~ 24.4 m/s	
10	Storm	89 ~ 102 km/h	Trees are broken off or uprooted, structural damage likely.
		55 ~ 63 mph	
		48 ~ 55 knot	
		24.5 ~ 28.4 m/s	
11	Violent storm	103 ~ 117 km/h	Widespread vegetation and structural damage likely.
		64 ~ 73 mph	
		56 ~ 63 knot	
		28.5 ~ 32.6 m/s	
12	Hurricane force	≥ 118 km/h	Severe widespread damage to vegetation and structures. Debris and unsecured objects are hurled about.
		≥ 74 mph	
		≥ 64 knot	
		≥ 32.7m/s	

Wind Chill

Wind chill is determined by a combination of the wireless weather sensor's temperature and wind speed data.

Heat Index

The heat index is determined by the wireless weather sensor's temperature and humidity readings when the temperature outdoors is between 80°F (27°C) and 120°F (50°C).

Heat Index range	Warning	Explanation
80°F to 90°F (27°C to 32°C)	Caution	Possibility of heat exhaustion
91°F to 105°F (33°C to 40°C)	Extreme Caution	Possibility of heat dehydration
106°F to 129°F (41°C to 54°C)	Danger	Heat exhaustion likely
≥ 130°F (≥ 55°C)	Extreme Danger	Strong risk of dehydration / sun stroke

Dew Point

- The dew point is the temperature below which the water vapor in air at constant barometric pressure condenses into liquid water at the same rate at which it evaporates. The condensed water is called dew when it forms on a solid surface.
- The dew point temperature is determined by the temperature and humidity data from the wireless weather sensor.

WEATHER FORECAST

The built-in barometer can notice atmospheric pressure changes, and based on the data collected, can predict the weather conditions in the forthcoming 12-24 hours within a 19 ~ 31 mile (30 ~ 50 km) radius.

Sunny	Partly cloudy	Cloudy	Rainy	Rainy / Stormy	Snowy

NOTE:
- The accuracy of a general pressure-based forecast is about 70% - 75%. Forecasts are not guaranteed.
- The forecast section reflects a general prediction for the next roughly 12 ~ 24 hours. It may not necessarily reflect the current situation.
- The SNOWY weather forecast is not based on the atmospheric pressure, but based on the current temperature reading from that wireless sensor. When the outdoor temperature is below ~ 26°F (-3°C), the SNOWY weather indicator will be shown on the LCD display.

BAROMETRIC PRESSURE

rel BARO

1002 hPa
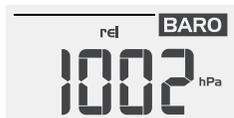
The atmospheric pressure is the pressure at any location on Earth caused by the weight of the column of air directly above that location. The average pressure gradually decreases as the altitude increases. Meteorologists use barometers to measure atmospheric pressure. Since variation in atmospheric pressure can be greatly affected by the weather, it is possible to forecast the weather by measuring these changes in pressure.

Set Barometer Units and Select Wind Display Mode

1. In normal operating mode, press the BARO button to cycle through options for the barometer units of measure in the following order: **hPa > inHg > mmHg.**
2. While in normal operating mode, press and hold the BARO button to switch between ABSOLUTE and RELATIVE barometric pressure displays.

Absolute	The absolute atmospheric pressure of your location
Relative	The relative atmospheric pressure based on the sea level

Set the RELATIVE Atmospheric Pressure Value

1. Obtain the atmospheric pressure data of the sea level (this is also the relative atmospheric pressure data of your home area) through the local weather service, internet, or any similar weather information source.
2. While in normal operating mode, press and hold the BARO button for two (2) seconds until the ABSOLUTE or RELATIVE icon flashes.
3. Press the GRAPH/▲ or HISTORY/▼ buttons to switch to RELATIVE mode.
4. Press the BARO button again and the RELATIVE atmospheric pressure digit will start flashing.
5. Press the GRAPH/▲ or HISTORY/▼ buttons to adjust the value.
6. Press the BARO button one final time to save and exit the setting mode.

NOTE:
• When you change the RELATIVE atmospheric pressure value, the weather indicators will change along with it.
• The RELATIVE atmospheric pressure is based on the sea-level pressure data you enter, but will change with the absolute atmospheric pressure after an hour of operating the clock.

RAINFALL

RAIN

DAILY 26.9 mm/h

The Rainfall section is located in the same area as the Barometric Pressure section of the LCD display. It shows information regarding the rainfall and rain rate.

Set the Rainfall Units

1. Press and hold the RAIN button for two (2) seconds to enter unit setting mode.
2. Press the GRAPH/▲ or HISTORY/▼ buttons to toggle the units of measure for rainfall between mm and in.
3. Press the RAIN button again to save and exit the setting mode.

Select the Rainfall Display Mode

Press the RAIN button to toggle between:

1. HOURLY: total rainfall in the past hour
2. DAILY: total rainfall since midnight
3. WEEKLY: total rainfall for the current week
4. MONTHLY: total rainfall since the beginning of the current month
5. RATE: current rainfall rate in the past hour (updates every 24 seconds)
6. ACCUMULATION: total rainfall since the last reset (will show the record start date on the display for five seconds)

Reset the Accumulating Rainfall Record

While in normal operating mode, press and hold the °C/°F button for two (2) seconds to reset the ACCUMULATION rainfall record.

NOTE:
• To ensure precise data, please reset the ACCUMULATION rainfall record whenever you move and reinstall your wireless weather sensor to a different location.

HISTORY GRAPH

View Different Graphs

While in normal operating mode, press the GRAPH/▲ button to cycle between the different types of graphs:

Weather variable	Units of Measure	Record Range	Graph Display
Barometric Pressure	hPa, inHg, and mmHg	Past 72 hours	

Indoor Temperature	°F or °C	Past 72 hours	
Outdoor Temperature (according to the current channel)	°F or °C	Past 72 hours	
Indoor Humidity	%	Past 72 hours	
Outdoor Humidity (according to the current channel)	%	Past 72 hours	
Rainfall	mm or in	Past 7 days (daily)	

MAX/MIN DATA RECORD

The display console can record the accumulated and daily MAX/MIN weather data with a corresponding time stamp for you to review.

View the Daily MAX/MIN

Daily max record of indoor temperature

While in normal operating mode, press the MAX/MIN button to cycle through the daily MAX/MIN records. Records are displayed in the following order:

Indoor daily MAX temperature > indoor daily MIN temperature > indoor daily MAX humidity > indoor daily MIN humidity > outdoor daily MAX temperature* > outdoor daily MIN temperature* > outdoor daily MAX humidity* > outdoor daily MIN humidity* > daily MAX average wind speed > daily MAX gust > daily MAX UV index** > daily MAX Beaufort level > daily MAX dew point > daily MIN dew point > daily MAX wind chill > daily MIN wind chill > daily MAX heat index > daily MIN heat index > daily MAX barometric pressure > daily MIN barometric pressure > daily MAX rainfall

* of current display channel sensor

** The UV function is not available on this model of wireless weather sensor; therefore, the MAX UV Index will always show 0.0 when cycling through.

View the Accumulated MAX/MIN

Accumulated max record of indoor temperature

When the daily MAX/MIN record is shown on screen, press the GRAPH/▲ or HISTORY/▼ button to show the accumulated MAX/MIN record of the current data. (e.g., if you are on the indoor daily MAX temperature, pressing the button will show you the MAX indoor temperature since the last record reset)

Reset the Accumulated MAX/MIN Records

Press and hold the MAX/MIN button for two (2) seconds to reset the MAX/MIN records of the specific weather display section.

History Data for Past 24 Hours

The display console automatically stores the weather data from the past 24 hours.
1. Press the HISTORY/∨ button to check the beginning of the current hour's weather data, e.g., if the current time is 7:25 AM on Dec 1st, the display will show the data for 7:00 AM on Dec 1st.
2. Press the HISTORY/∨ button to view the older readings for each hour of the past 24 hours, e.g. 6:00 AM (Dec 1st), 5:00 AM (Dec 1st), ..., 10:00 AM (Nov 30th), 9:00 AM (Nov 30th), 8:00 AM (Nov 30th).

NOTE: The LCD display will also show the time and date when displaying the history data records.

WEATHER ALERT SETTINGS

The Weather Alert can alert you to certain weather conditions by activating an alarm sound and flashing the LCD display's alert icon when specific criteria are met.

To Set the Alert

1. Press the ALERT button to cycle through and display the desired weather alert options in the following order:

Alert Option Sequence	Setting Range	Display Section	Default Setting
High Outdoor Temperature Alert (current channel)	-40°F ~ 176°F (-40°C ~ 80°C)	Outdoor temperature & humidity	104°F (40°C)
Low Outdoor Temperature Alert (current channel)			32°F (0°C)
High Outdoor Humidity Alert	1% ~ 99%		80%
Low Outdoor Humidity Alert			40%
High Indoor Temperature Alert	-40°F ~ 176°F (-40°C ~ 80°C)	Indoor temperature & humidity	104°F (40°C)
Low Indoor Temperature Alert			32°F (0°C)
High Indoor Humidity Alert	1% ~ 99%		80%
Low Indoor Humidity Alert			40%
Wind Speed Alert	0.1 m/s ~ 50 m/s (0.1 ~ 180 km/h 0.1 ~ 112 mph 0.1 ~ 97 knots)	Wind direction & speed	17.2 m/s (62 km/h 39 mph 34 knots)
Pressure Drop Alert	1hPa ~ 10hPa	Barometer & Rainfall	3hPa
Hourly Rainfall Alert	0.04 in ~ 39 in (1 mm ~ 1000 mm)		4 in (100 mm)
Low Wind Chill Alert	-40°F ~ 140°F (-40°C ~ 60°C)	Weather index	32°F (0°C)
High Dew Point Alert			50°F (10°C)
Low Dew Point Alert			14°F (-10°C)
High Heat Index Alert	81°F ~ 120°F (27°C ~ 49°C)		95°F (35°C)
High Beaufort Scale Alert	1 ~12		6

2. While on the alert option you want to set, press and hold the ALERT button for two (2) seconds to enter that alert's settings mode. The alert option will start flashing.

3. Press the GRAPH/∧ or HISTORY/∨ buttons to adjust the value, or press and hold the buttons to adjust the value more quickly.
4. Press the ALERT button when the desired value is reached to save the alert setting, then press the ALARM button to toggle the weather alert on or off.

 ALERT ON

 ALERT OFF

5. Press any button on the front of the display console to save and return to normal mode, or wait 30 seconds without pressing any buttons and the alert will save itself and return to normal mode.

To Silence the Weather Alert Alarm

Press the SNOOZE/LIGHT button on top of the display console to silence the alarm, or it will automatically turn off after two (2) minutes.

NOTES:
• Once the alert is triggered, the alarm will sound for two (2) minutes and the associated alert icon and weather readings will flash.
• If the alert alarm automatically shuts off after two (2) minutes instead of being manually shut off, the associated alert icon and readings will continue flashing until the reading is out of the alert range.
• The weather alert alarm will go off once the readings fall into alert range again.

POINTING THE WIRELESS WEATHER SENSOR TO SOUTH

The outdoor wireless weather sensor is calibrated to be pointed North for maximum accuracy. However, for your convenience, if you are a user located in the Southern Hemisphere, you can use the sensor with the wind vane pointing South.

1. Mount and install the wireless weather sensor with the wind meter end pointed South, instead of North. (Please refer to the Installation Instructions on page 12 for mounting instructions.)
2. While the display console is in normal operating mode, press and hold the INDEX button for eight (8) seconds until the N icon appears in the weekday section of the display to indicate the console is in sensor orientation mode.
3. Use the GRAPH/∧ or HISTORY/∨ buttons to change the orientation to Southern Hemisphere. The N should change to an S.
4. Press the INDEX button another time to confirm and exit the menu.

NOTES:
• Changing the hemisphere setting will automatically switch the direction of the moon phases on the display.
• Pointing the wireless weather sensor toward the South will allow maximum sunlight on the solar panel, especially during the winter season in the Southern Hemisphere.

DATA LOG

The display console automatically stores the weather data in its data logger every 30 minutes by default. Once you have the PC software loaded on your computer, you can export the data via the PC software. (See PC software instructions on page 31).

Check Data Log Memory
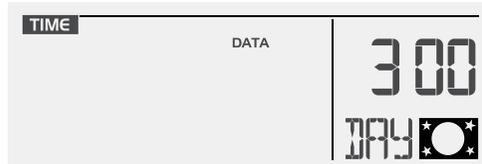
Press the DATA button to briefly review the remaining number of days the console is able to record based on its current free memory available (e.g. 300 DAY). The data log will stop recording new data once its memory is full.

Change Data Interval/Clear Data

While in normal operating mode, press and hold the DATA button for two (2) seconds to enter the data log settings mode.

1. To change the data interval: press the GRAPH/▲ or HISTORY/▼ buttons to adjust the frequency of data recording (every 5/15/30/60 minutes), then press the DATA button again to confirm.

The below table shows the number of days of memory that can be stored in the data logger based on data recording frequencies:

Interval (minutes)	Number of Days Available for Data Logging
5	50
15	150
30 (default setting)	300
60	600

2. To clear data: press the GRAPH/▲ or HISTORY/▼ buttons to select ALL (clear all data) or NO (don't clear data), then press the DATA button again to confirm and exit the settings menu.
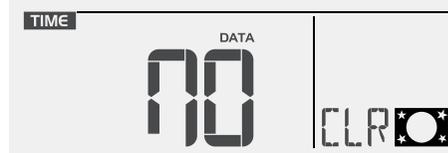
NOTES:
- To avoid incorrect time stamps on your data records, make sure to reset the data logger anytime you replace the batteries in the display console or in the wireless weather sensor.
- When the data log is almost full, the DATA icon will flash continually to remind you to transfer the data to your PC for storage. Once the data log is full, it will not log any additional data.

■ PC SOFTWARE

The display console can display live weather data as well as export the weather data to a Windows®-based PC via our Weather Tool software.

The software can be downloaded at www.logiaweatherstation.com

CONNECT YOUR PC

1. Download the WeatherTool.exe file on your desktop, and then double-click to run it.
2. Click the "?" in the top right corner of the software to access the PDF describing how to properly set up the software and connect to one of the two associated weather servers. Follow the instructions to set up your software.
3. Once your software is set up and connected to a weather server, plug the small end (micro USB end) of the USB cable to the associated port on the display console, and then connect the USB end to a USB port on your PC.

If the console has been connected successfully, a "USB" icon will appear on your display, and the time and date on your console will be synchronized to that of your PC, as indicated by the 📶 icon.

Instant live data from your display console will be transmitted to the dashboard screen on your PC.
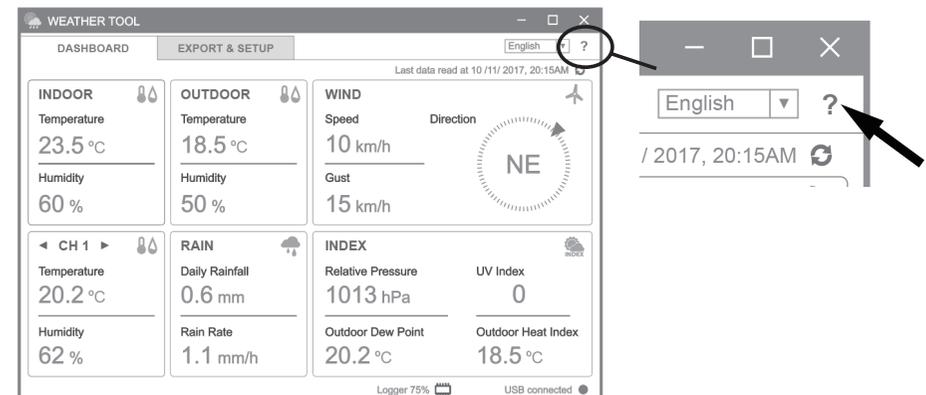
While using the PC software, you can click on the "?" icon located in the upper-right corner for operating details, setup instructions, and program settings.

Uninstalling the Weather Tool Software

You can either go through your PC's options to uninstall the program, or delete the WeatherTool.exe file from your desktop.

NOTES:
· To avoid incorrect time stamps on your data records, make sure to reset the data logger anytime you replace the batteries in the display console or in the wireless weather sensor.
· When the data log is almost full, the DATA icon will flash continually to remind you to transfer the data to your PC for storage. Once the data log is full, it will not log any additional data.

CARE AND MAINTENANCE

BATTERY REPLACEMENT
If you see the horizontal low battery indicator icon in the time section of your LCD console display, this means that the console battery power is running low and should be replaced soon. Always replace all batteries at once.


If the low battery indicator icon is vertical and displayed in the outdoor temperature and humidity section of the LCD console display, this indicates that the batteries in your wireless weather sensor are running low and should be replaced. Make sure to also replace all batteries at the same time.

CLEANING THE RAIN COLLECTOR
1. Rotate the rain collector by 30° counter-clockwise until it is in the unlock position as shown.

"Lock" Position   "Unlock" Position
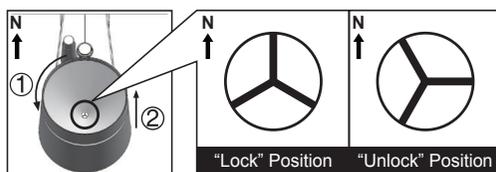
2. Gently remove the rain collector.
3. Clean and remove any debris or insects.
4. Wait until the parts are fully dry, and then reinstall them, and return the rain collector to a locked position.

CLEANING THE THERMO/HYGRO SENSOR

1. Unscrew the 2 screws at the bottom of the sensor casing.
2. Gently pull out the shield.
3. Carefully remove any dirt or insects inside the sensor casing, making sure the inside sensors remain dry.
4. Clean the shield with water and remove any dirt or insects.
5. Once the parts are fully clean and dry, reinstall them and replace the screws.

SPECIFICATIONS

DISPLAY CONSOLE

SPECIFICATIONS	
DISPLAY CONSOLE	
General Specifications	
Dimensions (W x H x D)	4.6" x 7.5" x 1.2" (117 x 189 x 31mm)
Weight	1.06 lb. (480g) with batteries
Battery	6x AA size 1.5V batteries (alkaline recommended)
Weather data in console	Barometric pressure, temperature, and humidity
Operating temperature range	23°F ~ 122°F (-5°C ~ 50°C)
PC Software Requirements	
Connection interface	USB 2.0
Operation system	Windows XP, Windows Vista, Windows 7, Windows 10 or latest version (32-bit / 64-bit)
Hard disk space	50 MB
Display resolution	1360 x 768 (1920 x 1080 recommended)
View or edit export data	Microsoft Excel® or other similar software for PC
Weather Underground upload requirements	- Internet connection - Permit software to access internet (for firewall/anti-virus programs)
Wireless Sensor Communication Specifications	
Supported sensors	1 Wireless 5-in-1 weather outdoor sensor and up to 7 optional wireless hygro-thermo outdoor sensors
RF frequency	868 MHz (EU or UK version), 915 MHz (US version), 917 MHz (AU version)
RF transmission range	492 ft (150m)

Time Function Specifications	
Time display	HH: MM: SS
Hour format	12 hour or 24 hour
Date display	DD / MM or MM / DD
Time synchronization method	PC time (only available when connected to Windows®-based PC running Weather Tool software)
Weekday languages	EN / DE / FR / ES / IT / NL / RU

Barometer Display & Function Specifications
Note: The following details are listed as they are displayed or operate on the console.

Barometer units	hPa, inHg, and mmHg
Measuring range	540 ~ 1100 hPa (relative setting range 930 ~ 1050 hPa)
Accuracy	(700 ~ 1100 hPa ± 5 hPa) / (540 ~ 696 hPa ± 8 hPa) (20.67 ~ 32.48 inHg ± 0.15 inHg) / (15.95 ~ 20.55 inHg ± 0.24 inHg) (525 ~ 825mmHg ± 3.8mmHg) / (405 ~ 522 mmHg ± 6 mmHg) Typical at 77°F (25°C)
Resolution	1hPa / 0.01inHg / 0.1mmHg
Weather forecast	Sunny, Partly Cloudy, Cloudy, Rainy, Rainy / Stormy and Snowy
Display modes	Current
Memory modes	Historical data from last memory reset, daily Max / Min
Alarm	Pressure change alert

Indoor / Outdoor Temperature Display & Function Specifications
Note: The following details are listed as they are displayed or operate on the console.

Temperature unit	°C and °F
Display range	-40 ~ 176°F (-40 ~ 80°C)
Indoor Accuracy	>104°F ± 3.6°F (>40°C ± 2°C) 32°F ~ 104°F ± 1.8°F (0~40°C ± 1°C) < 32°F ± 3.6°F (< 0°C ± 2°C)
Outdoor Accuracy	131°F ~ 140°F ± 0.9°F (55°C ~ 60°C ± 0.5°C) 50°F ~ 131°F ± 0.7°F (10°C ~ 55°C ± 0.4°C) -4°F ~ 50°F ± 2.3°F (-20°C ~ 10°C ± 1.3°C) -40°F ~ -4°F ± 3.4°F (-40°C ~ -20°C ± 1.9°C)
Resolution	0.1°F / 0.1°C T
Weather forecast	Sunny, Partly Cloudy, Cloudy, Rainy, Rainy / Stormy and Snowy
Display modes	Current
Memory modes	Historical data from last memory reset, daily Max / Min
Alarm	High / Low temperature alert

Indoor / Outdoor Humidity Display & Function Specifications
Note: The following details are listed as they are displayed or operate on the console.

Humidity unit	%
Display range	1 ~ 99%
Indoor Accuracy	20~39% RH ±8%RH @ 77°F (25°C) 40~70% RH ±5%RH @ 77°F (25°C) 71~90% RH ±8%RH @ 77°F (25°C)
Outdoor Accuracy	1 ~ 90% RH ± 2.5% RH @ 77°F (25°C) 90 ~ 99% RH ± 3.5% RH @ 77°F (25°C)
Resolution	1%
Display modes	Current
Memory modes	Historical data from last memory reset, daily Max / Min
Alarm	High / Low temperature alert

Wind Speed & Direction Display and Function Specifications
Note: The following detail are listed as they are displayed or operate on the console.

Wind speed unit	mph, m/s, km/h and knots
Wind speed display range	0 ~ 112mph, 50m/s, 180km/h, 97knots
Resolution	0.1mph, 0.1m/s, 0.1km/h, 0.1knots
Speed accuracy	± 2.2 mph or ± 10% (whichever is greater)
Display mode	Gust / Average
Memory modes	Historical Data from last memory reset, daily Max Gust / Average
Alarm	Hi Wind Speed Alert (Average / Gust)
Wind direction	16 direction or relative degree reading

Rain Display & Function Specifications
Note: The following details are listed as they are displayed or operate on the console.

Unit for rainfall	mm and in
Accuracy for rainfall	± 7%
Range of rainfall	0 ~ 19999mm (0 ~ 787.3 in)
Resolution	0.254mm (0.01in)
Display modes	Current
Memory modes	Historical Data from last memory reset, daily Max
Rainfall display mode	Hourly / Daily / Weekly / Monthly / Total rainfall
Alarm	High Hourly Rainfall Alert

Weather Index Display & Function Specifications
Note: The following details are listed as they are displayed or operate on the console.

Weather index mode	Beaufort, Wind Chill, Heat Index and Dew point
Beaufort scale	0 ~ 12
Wind Chill range	-40°F ~ 64.4°F (-40°C ~ 18°C), wind speed > 4 .8km/h
Heat index range	78.8°F ~ 122°F (26°C ~ 50 °C)
Dew point range	-4°F ~ 140°F (-20°C ~ 60°C)
Display modes	Current
Memory modes	Historical Data from last memory reset, Daily Max / Min

FCC STATEMENT

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, and;
(2) This device must accept any interference received, including interference that may cause undesired operation.
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—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 the equipment does not 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 the 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.

The provided shielded USB cable must be used with this unit to ensure compliance with the class B FCC limits.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

WARRANTY INFORMATION

LIMITED WARRANTY ON LOGIA™ 5-IN-1 WIRELESS WEATHER STATION WITH PC DATA SYNC

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE.

WE WARRANT THAT DURING THE WARRANTY PERIOD, THE PRODUCT WILL BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP.

LIMITATION OF LIABILITY

TO THE EXTENT NOT PROHIBITED BY LAW, THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, ORAL, WRITTEN, STATUTORY, EXPRESS OR IMPLIED. EXCEPT FOR THE EXPRESS WARRANTIES CONTAINED IN THIS LIMITED WARRANTY STATEMENT AND TO THE EXTENT NOT PROHIBITED BY LAW, WE DISCLAIM ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING WITHOUT LIMITATION, THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. SOME STATES DO NOT ALLOW DISCLAIMERS OF IMPLIED WARRANTIES, SO THIS DISCLAIMER MAY NOT APPLY TO YOU. TO THE EXTENT SUCH WARRANTIES CANNOT BE DISCLAIMED UNDER THE LAWS OF YOUR JURISDICTION, WE LIMIT THE DURATION AND REMEDIES OF SUCH WARRANTIES TO THE DURATION OF THIS EXPRESS LIMITED WARRANTY.

OUR RESPONSIBILITY FOR DEFECTIVE GOODS IS LIMITED TO REPAIR, REPLACEMENT OR REFUND AS DESCRIBED BELOW IN THIS WARRANTY STATEMENT.

WHO MAY USE THIS WARRANTY? C&A Marketing, Inc. located at 114 Tived Lane East, Edison, NJ ("**we**") extend this limited warranty only to the consumer who originally purchased the product ("**you**"). It does not extend to any subsequent owner or other transferee of the product.

WHAT DOES THIS WARRANTY COVER? This limited warranty covers defects in materials and workmanship of the Logia™ 5-in-1 Wireless Weather Station with PC Data Sync (the "**product**") for the Warranty Period as defined below.

WHAT DOES THIS WARRANTY NOT COVER? This limited warranty does not cover any damage due to: (a) transportation; (b) storage; (c) improper use; (d) failure to follow the product instructions or to perform any preventive maintenance; (e) modifications;
(f) unauthorized repair; (g) normal wear and tear; or (h) external causes such as accidents, abuse, or other actions or events beyond our reasonable control.

WHAT IS THE PERIOD OF COVERAGE? This limited warranty starts on the date of your purchase and lasts for one year (the "**Warranty Period**"). The Warranty Period is not extended if we repair or replace the product. We may change the availability of this limited warranty at our discretion, but any changes will not be retroactive.

WHAT ARE YOUR REMEDIES UNDER THIS WARRANTY? With respect to any defective product during the Warranty Period, we will, at our sole discretion, either: (a) repair or replace such product (or the defective part) free of charge or (b) refund the purchase price of such product if an exchange unit cannot be provided.

HOW DO YOU OBTAIN WARRANTY SERVICE? To obtain warranty service, you must contact us at 1-833-815-0568 or by email at info@supportcbp.com during the Warranty Period to obtain a Defective Merchandise Authorization ("**DMA**") number. No warranty service will be provided without a DMA number and return shipping costs to our facilities shall be assumed by you, the purchaser. Shipping costs of the replacement unit to you shall be assumed by us.

If you experience any issues with your Logia™ 5-in-1 Wireless Weather Station with PC Data Sync, please contact us before returning your product to the place of purchase. We're here to help!

QUESTIONS OR PROBLEMS? CONTACT US!

Email: info@supportcbp.com or call: 1-833-815-0568
www.logiaweatherstation.com

logia