



7-IN-1 WIRELESS WEATHER STATION WITH WI-FI®, EVERLASTING SOLAR CELL, AND 7" FULL-COLOR HD LCD DISPLAY USER GUIDE

LOWSL710FWB7



Thank you for purchasing the **Logia 7-in-1 Wireless Weather Station with Wi-Fi®**, **Everlasting Solar Cell**, and **7" Full-Color HD LCD Display**. 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.

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■ SAFETY PRECAUTIONS

WARNING! Please read and understand all safety precautions, operating instructions, and care/maintenance instructions before operating this appliance. Keep this manual for future reference.

- This product is not a toy. Keep out of the reach of children.
- 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.
- Do not clean the unit with abrasive or corrosive materials.
- Do not place the appliance near open flames or heat sources. Fire, electric shock, product damage, or injury might occur.
- Only use fresh new batteries in the product. Do not mix new and old batteries together.
- Do not disassemble, alter, or modify the product.
- Only use attachments or accessories with this product specified by the manufacturer.
- Do not submerge the unit in water. Dry the product with a soft cloth if liquid spills on it.
- Do not subject the unit to excessive force, shock, duct, extreme temperature, or humidity.
- Do not cover or block the ventilation holes with any objects.
- This console of this product is intended to be used indoors only.
- This product is only suitable for mounting at height less than 6.6 ft. (2 m).
- Do not tamper with the unit's internal components. Tampering with the product will void the warranty.
- AA batteries are not included. When inserting batteries, make sure that the positive and negative polarities match with the markings in the compartment. CR2032 battery is included.
- Do not mix standard, alkaline, and rechargeable batteries together.
- Leaving a battery exposed to extremely high temperature in the surrounding environment can result in an explosion or leakage of flammable liquid or gas.
- Leaving a battery exposed to extremely low air pressure in the surrounding environment can result in an explosion or leakage of flammable liquid or gas.

QUESTIONS OR PROBLEMS? CONTACT US!

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

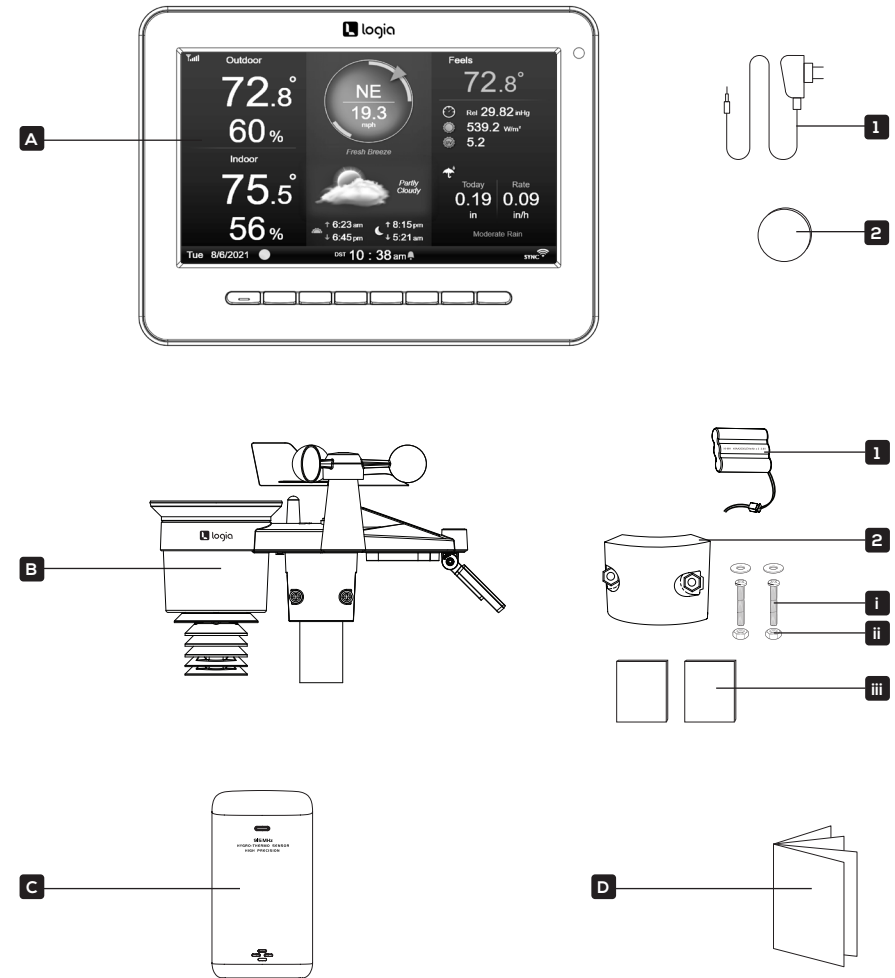
TIPS FOR SENSOR SITE SELECTION

- Rain collector must be cleaned every few months.
- Batteries in sensor must be changed every two to two and a half (2 – 2.5) years.
- Sensor should be installed at least 5' (1.5 m) away from any building or structure.
- Choose a location in open space under direct sunlight with no obstructions.
- The sensor should remain in line of sight and within 328' (100 m) of the console for consistent, steady transmission.
- Keep your sensor and console away from household appliances that operate on the same frequency. The console and sensor should be at least 3' – 7' (1 – 2 m) away from such interferences.

PRODUCT FEATURES

1. Wireless 7-in-1 weather sensor measures wind speed, wind direction, rainfall, UV index, light intensity, 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. 7" HD LCD display screen with USB port
5. Syncs via Wi-Fi® to online weather servers

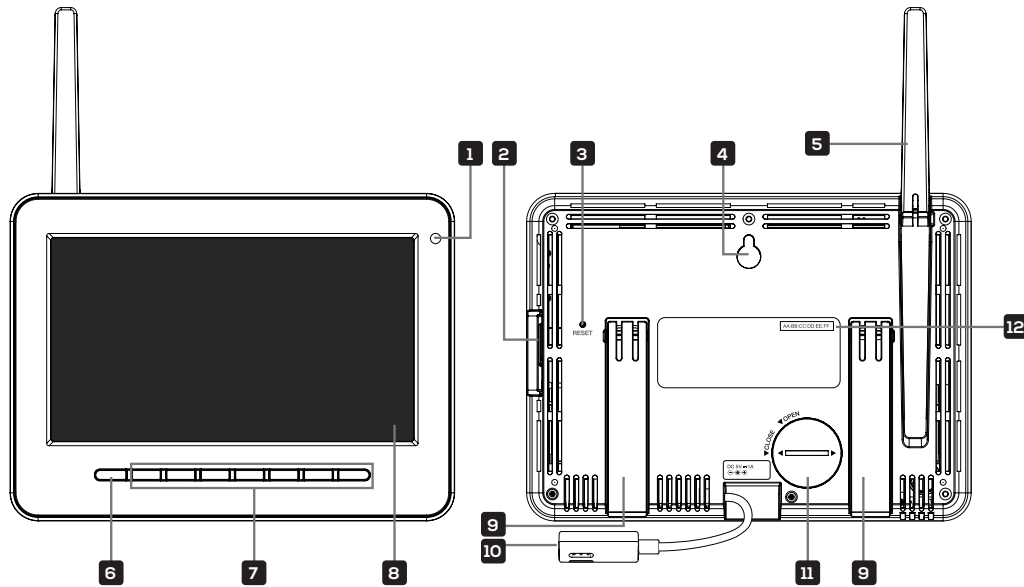
PACKAGE CONTENTS



- | | | |
|---|--|---|
| <p>A. Weather display console</p> <ol style="list-style-type: none"> 1. Console power adapter 2. Console CR2032 battery | <p>B. 7-in-1 outdoor weather sensor</p> <ol style="list-style-type: none"> 1. 3.6 V rechargeable battery pack 2. Mounting clamp <ol style="list-style-type: none"> i. 2 x screws (for clamp) ii. 2 x hexagonal nuts (for clamp) iii. 2 x rubber pads (for clamp) | <p>C. Wireless hygro-thermo sensor</p> <p>D. User guide</p> |
|---|--|---|

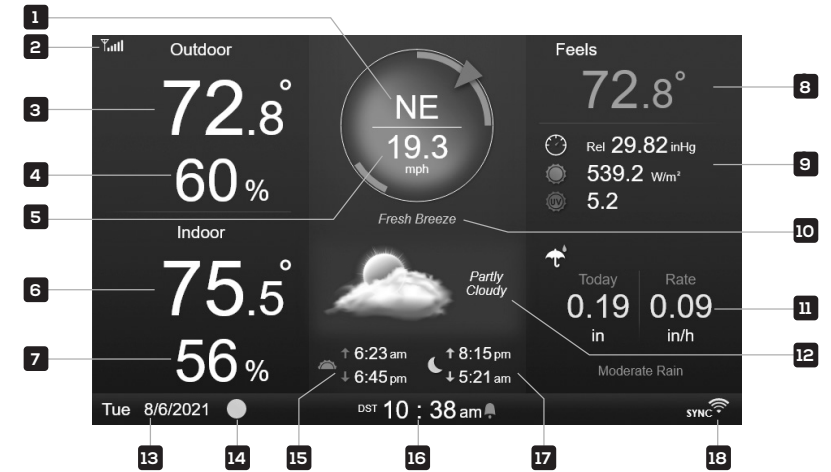
PRODUCT OVERVIEW

WEATHER CONSOLE OVERVIEW



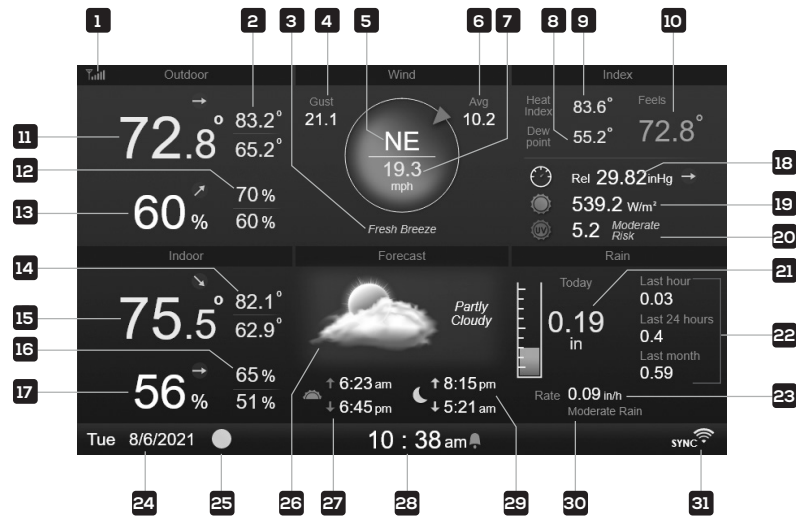
- | | |
|---------------------------|-----------------------|
| 1. Ambient light detector | 7. Function buttons |
| 2. USB port | 8. Display screen |
| 3. RESET button | 9. Kickstand |
| 4. Wall mounting holder | 10. Power cord |
| 5. Antenna | 11. Battery door |
| 6. HOME button | 12. Mac address label |

HOME SCREEN OVERVIEW



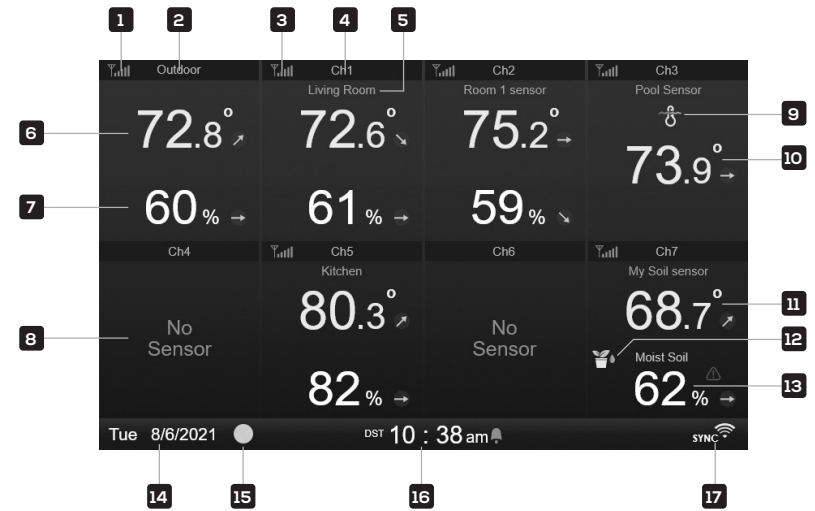
- | | |
|--|-------------------------------------|
| 1. Wind direction | 10. Wind speed level |
| 2. Sensor signal strength icon | 11. Rainfall and rain rate |
| 3. Outdoor temperature | 12. Weather forecast |
| 4. Outdoor humidity | 13. Date |
| 5. Wind speed | 14. Moon phase |
| 6. Indoor temperature | 15. Sunrise/sunset time |
| 7. Indoor humidity | 16. Time |
| 8. Feels like temperature | 17. Moon rise/moon set time |
| 9. Baro pressure, UVI, and light intensity | 18. Wi-fi connection/time sync icon |

DETAIL SCREEN OVERVIEW



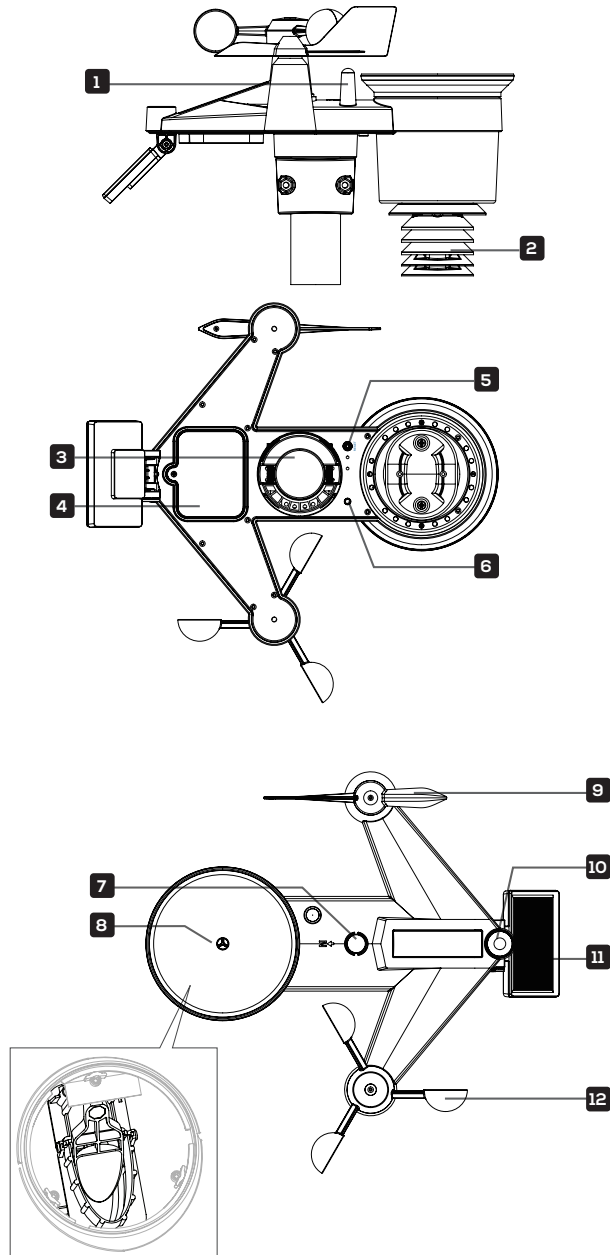
- | | | |
|--------------------------------|---------------------------------|--|
| 1. Sensor signal strength icon | 11. Outdoor temperature | 22. Last hour, last 24 hrs., and last month rainfall |
| 2. Outdoor MAX/MIN temperature | 12. Outdoor MAX/MIN humidity | 23. Rain rate |
| 3. Wind speed level | 13. Outdoor humidity | 24. Date |
| 4. Wind gust | 14. Indoor MAX/MIN temperature | 25. Moon phase |
| 5. Wind direction | 15. Indoor temperature | 26. Weather forecast |
| 6. Average wind speed | 16. Indoor MAX/MIN humidity | 27. Sunrise/sunset time |
| 7. Current wind speed | 17. Indoor humidity | 28. Current time |
| 8. Dew point | 18. Barometric pressure | 29. Moon rise/moon set time |
| 9. Heat index/wind chill | 19. Light intensity | 30. Rain rate level |
| 10. Feels like temperature | 20. UV index and exposure level | 31. Wi-fi connection/time sync icon |
| | 21. Today's rainfall | |

SUMMARY SCREEN OVERVIEW



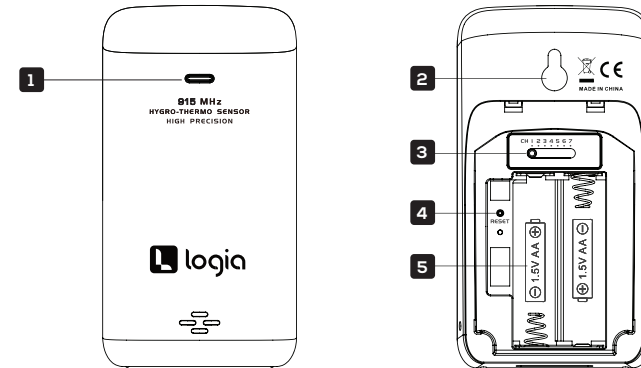
- | | |
|--------------------------------|-------------------------------------|
| 1. Sensor signal strength icon | 10. Water temperature (optional) |
| 2. In/out icon label | 11. Soil temperature (optional) |
| 3. CH 1 signal strength icon | 12. Soil sensor icon (optional) |
| 4. CH 1 icon label | 13. Soil moisture (optional) |
| 5. Sensor name | 14. Date |
| 6. In/out temperature | 15. Moon phase |
| 7. In/out humidity | 16. Current time |
| 8. No screen connect screen | 17. Wi-fi connection/time sync icon |
| 9. Pool sensor icon (optional) | |

WIRELESS SENSOR OVERVIEW



- | | | |
|---|----------------------------|---------------------|
| 1. Antenna | 5. RESET button | 9. Wind vane |
| 2. Radiation shield & hygro-thermo sensor | 6. Transmission status LED | 10. UV/light sensor |
| 3. Mounting base | 7. Bubble level | 11. Solar Cell |
| 4. Battery door | 8. Rain collector | 12. Wind cups |

WIRELESS HYGRO-THERMO SENSOR OVERVIEW



- | | |
|----------------------------|------------------------|
| 1. Transmission status LED | 4. RESET button |
| 2. Wall mounting holder | 5. Battery Compartment |
| 3. Channel switch | |

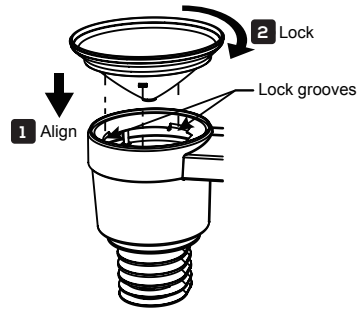
■ INSTALLATION INSTRUCTIONS

SETTING UP THE WIRELESS 7-IN-1 OUTDOOR SENSOR

The wireless 7-in-1 outdoor sensor measures wind speed, wind direction, rainfall, UV, light intensity, temperature, and humidity.

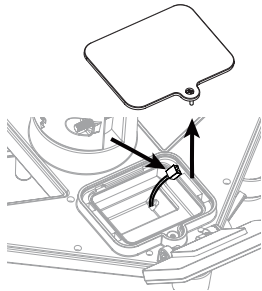
INSTALLING THE RAIN FUNNEL

1. Align the lock grooves on the rain funnel with the lock grooves in the rain collector.
2. Lower the rain funnel onto the rain collector. Then, turn the rain funnel clockwise to lock it in place.

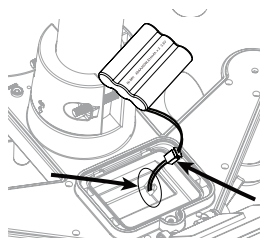


INSTALLING THE BATTERIES

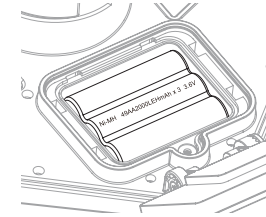
1. Unscrew the battery door at the bottom of the 7-in-1 outdoor sensor using a screwdriver (not included).



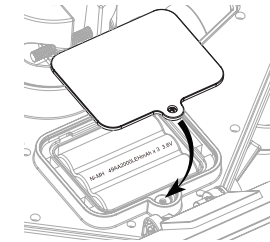
2. Connect the cable of the rechargeable battery pack (included) to the cable located in the battery compartment.



3. Adjust the connected cables so they fit comfortably in the compartment. Then, insert the battery pack into the compartment.



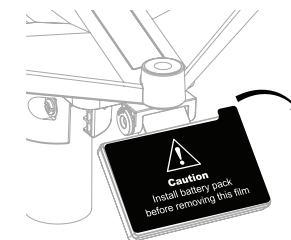
4. Close and fasten the battery door back on the compartment.



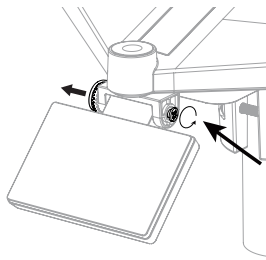
NOTE: The LED light will flash red every 12 seconds.

ADJUSTING THE SOLAR CELL

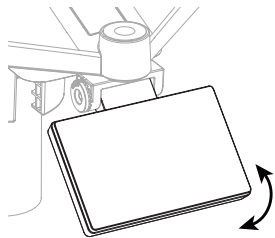
1. Remove the protection film on the solar cell.



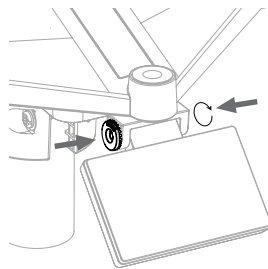
- Loosen the screw at the joint so the gear on the other side of the joint pushes out. The solar cell should now be in an unlocked position.



- Adjust the vertical angle of the solar cell to get the most optimal usage out of the solar cell depending on your location.

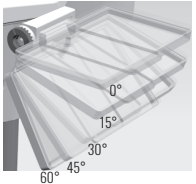


- Push the gear inward and tighten the screw until the gears lock in place.



When adjusting the solar cell set it to an angle closest to your latitude. View chart below to get an idea how you should angle your solar cell.

Latitude Proximity	Solar Cell Angle Selection
If your location is close to 60°	60°
If your location is close to 45°	45°
If your location is close to 30°	30°
If your location is close to 15°	15°
If your location is close to 0°	0°


 A small diagram to the right of the table shows the solar cell at various angles: 0°, 15°, 30°, 45°, and 60°.

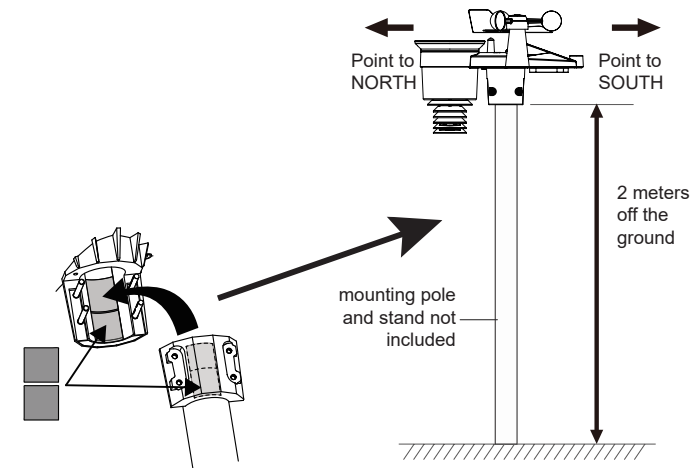
MOUNTING THE SENSOR ON A POLE

- Stick the rubber pads on the inside of the mounting clamp and mounting base of the sensor.
- Insert two (2) screws into the mounting base and clamp. Then, loosely tighten the screws using included nuts.
- Place the mounting fixture over a pole (not included).
- Tighten all the screws so the sensor sits firmly and securely on the pole.

NOTE: Place the mounting base and clamp on a steel pole or post with a 1.2" – 1.6" (30 – 40 mm) diameter and is a minimum of 6.6' (2 m) off the ground.

When setting up the outdoor sensor, make sure the rain collector side is facing north.

When placing the outdoor sensor, make sure it is within 492' (150 m) of the display console.



POINTING THE WIRELESS 7-IN-1 OUTDOOR SENSOR TO SOUTH (OPTIONAL)

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 Mounting Sensor on Pole for mounting instructions.)
2. Select "S" in hemisphere section of the setup UI setup page. (Please refer to Setting Up Weather Server Connection section for setup details)
3. Press the APPLY icon to confirm and exit.

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.

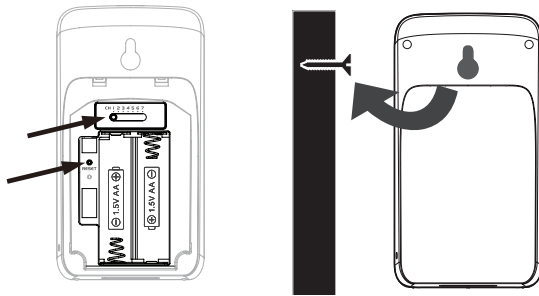
SETTING UP THE WIRELESS INDOOR HYGRO-THERMO SENSOR

INSTALLING THE BATTERIES

1. Remove the battery door of the sensor.
2. Use the channel slider to set the channel number for the sensor.
3. Insert two (2) AA batteries into the battery compartment. Then, place the battery door back on the compartment. The transmission status LED will begin to flash every minute.

NOTES: The hygro-thermo sensor will enter synchronization mode and pair to the display console within the next 30 – 60 minutes.

To reassign the sensor, use the channel slider to change the set channel number then press the RESET button on the sensor.



MOUNT THE SENSOR TO A WALL

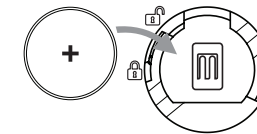
To mount the sensor, place a screw into the wall. Then, hang the sensor on the screw using the wall mounting holder on back of the sensor.

SETTING UP THE DISPLAY CONSOLE

INSTALLING THE BATTERIES

1. Remove the battery door on back of the console.
2. Insert a CR2032 battery (included) into the compartment.
3. Place the battery door back onto the compartment and twist it in place.

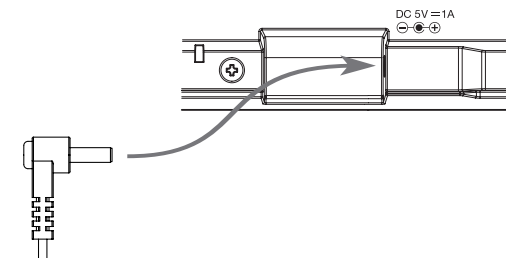
NOTE: Remove the battery if you plan to store the display console for a long period of time.



POWERING UP THE CONSOLE

1. Connect the power adapter to the integrated power cord of the console.
2. Plug the other end of the power adapter into a power outlet to turn on the console.
3. Flip the antenna on back of the console up.
4. Once the console is turned on, the segments on the HD display will light up.

NOTE: If nothing appears on the display after connecting the power adapter, then press the RESET button using a pin.



STARTING UP THE DISPLAY OF THE CONSOLE

Basic information must be entered when setting up the console for the first time.

1. Select the language for the console using the buttons that correspond to the up and down arrows.
2. Then, use the button that corresponds to the right arrow to proceed to the next step.
3. Select your region using the buttons that correspond to the up and down arrows.
4. Then, use the button that corresponds to the right arrow to save your settings.
5. Wait for the outdoor weather sensor and hygro-thermo sensor to pair with your console.

OPERATING INSTRUCTIONS

DISPLAY BUTTONS

When on the home screen, user can press the HOME button or any other button to show the main function icons as shown below:



MAIN FUNCTIONS OF BUTTONS

ICON	DESCRIPTION
	Home key Press this anytime to return to home screen.
	Expand key Press this key to show the details screen.
	Channel key Press this key to switch between indoor and channel readings.
	Overview key Press this key to show In/Outdoor and channel overview screen.
	Max / Min records key Press this key to show the Max/Min records screen.
	History Graph key Press this key to show the history graph screen.
	Records table key Press this key to show the records table screen.
	Settings key Press this key to show the settings screen.

OTHER FUNCTIONS OF BUTTONS FOR SETTINGS

ICON	DESCRIPTION
	Up key Press this key to select upper row or item.
	Down key Press this key to select lower row or item.
	Left key Press this key to select left side column or item.
	Right key Press this key to select right side column or item.
	+ key Press this key to increase the value or switch to other option
	- key Press this key to decrease the value or switch to other option
	Confirm key Press this key to confirm the action
	Search key Press this key to open the search box in record table
	Erase key Press this key to erase the selected record

FORECAST

Familiarize yourself with the 15 weather icons that can appear on the console according to weather conditions forecasted.

Sunny	Partly cloudy	Cloudy	Rainy	Rainy / Stormy	Snowy

MOON PHASE

The moon phase is determined by the time, date, and time zone. The sun-lit area of the moon moves from right to left in the Northern Hemisphere, while in the Southern Hemisphere, it moves from left to right. Below is the table which illustrate how the moon will appear on the console.

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	

TREND INDICATOR

The trend indicator shows the trends of changes in the forthcoming few minutes. These icons will appear in the temperature, humidity, and barometric pressure section of the detail screen.



WIRELESS SIGNAL RECEPTION

Familiarize yourself with the icons for different signal strength. Relocate your console or weather sensor if signal is weak or lost.



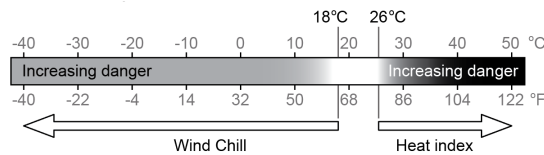
WI-FI CONNECTION STATUS

Familiarize yourself with the icons for Wi-fi connection status.



FEELS LIKE

The feels like temperature index determines what temperature it actually feels like outside, taking into account factors like wind chill and the heat index.



HEAT INDEX

The heat index is determined by the wireless weather sensor's temperature and humidity readings when the temperature is between 79 °F (26 °C) and 120 °F (50 °C).

Heat Index range	Warning	Explanation
81 °F – 90 °F (27 °C – 32 °C)	Caution	Possibility of heat exhaustion
91 °F – 104 °F (33 °C – 40 °C)	Extreme Caution	Possibility of heat dehydration
106 °F – 129 °F (41 °C – 54 °C)	Danger	Heat exhaustion highly likely
≥ 131 °F (≥ 55 °C)	Extreme Danger	Strong risk of dehydration/ heatstroke

WIND CHILL

Wind chill or windchill is the lowering of temperature due to the passing-flow of lower-temperature air. Wind chill is determined by a combination of the wireless weather sensor's temperature and wind speed data.

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.

RAIN

This section shows the rainfall or rain rate information.

RAINFALL DISPLAY MODES

- RAIN RATE: current rainfall rate in the last 10 minutes
- DAILY: total rainfall since midnight
- WEEKLY: total rainfall between Sunday and Saturday
- MONTHLY: total rainfall from first to last day of the month
- TOTAL: total rainfall since the last reset

RESET THE RAINFALL RECORDS

Refer to Erase All Data section to clear rainfall data.

BAROMETRIC PRESSURE

Check the weather website for real-time barometer conditions then adjust the relative in the Calibration setting section.

WIND

WIND SPEED AND DIRECTION

This section displays the wind speed, current wind direction, predominant wind directions, and wind speed level.

- Wind speed: is the average wind speed measured in the previous 12 seconds.
- Average wind: is the average wind speed in 10 minutes.
- Gust: is the highest wind speed recorded in the previous 12 seconds

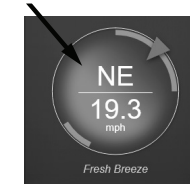
BEAUFORT SCALE

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

Beaufort Scale	Description	Wind Speed	Land Condition
0	Calm	< 1 km/h	Calm. Smoke rises vertically.
		< 1 mph	
		< 1 knots	
		< 0.3 m/s	
1	Light air	1.1 - 5km/h	Smoke drift indicates wind direction. Leaves and wind vanes are stationary.
		1 - 3 mph	
		1 - 3 knots	
		0.3 - 1.5 m/s	
2	Light breeze	6 - 11 km/h	Wind felt on exposed skin. Leaves rustle. Wind vanes begin to move.
		4 - 7 mph	
		4 - 6 knots	
		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 knots	
		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 knots	
		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 knots	
		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 knots	
		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 knots	
		13.9 - 17.1 m/s	
8	Gale	62 - 74 km/h	Some twigs broken from trees. Cars veer on road. Progress on foot is seriously impeded
		39 - 46 mph	
		34 - 40 knots	
		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 knots	
		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 knots	
		24.5 - 28.4 m/s	
11	Violent storm	103 - 117 km/h	Widespread vegetation and structural damage likely.
		64 - 73 mph	
		56 - 63 knots	
		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 knots	
		≥ 32.7 m/s	

WIND SPEED LEVEL

The wind speed level chart on display provides a quick reference on the current wind condition. The background color of the compass changes according to the wind speed.



Level	Light	Moderate	Strong	Storm
Speed	0 - 12 mph 0 - 19 km/h	12 - 30 mph 20 - 49 km/h	31 - 55 mph 50 - 88 km/h	≥ 55 mph ≥ 89 km/h
Compass color	Green	Yellow	Orange	Red

UV INDEX AND LIGHT INTENSITY

This section displays a chart for UV index and light intensity.

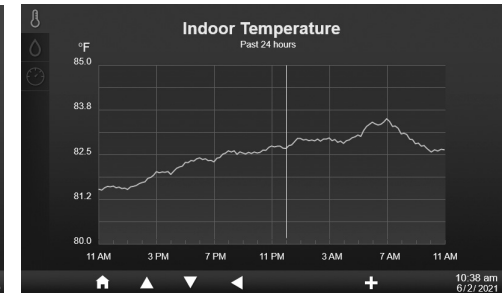
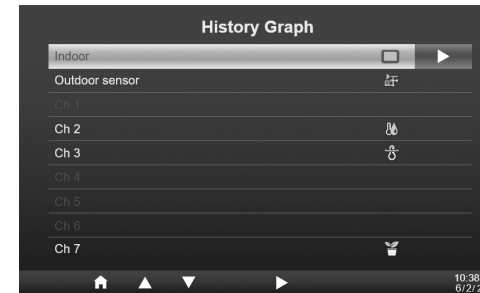
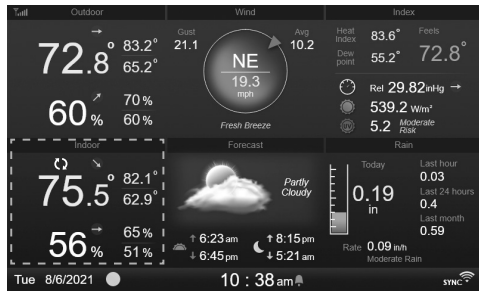
UVI	Rating	Comment
0-2	Low	A UV Index reading of 0 to 2 means low danger from the sun's UV rays for the average person.
3-5	Medium	A UV Index reading of 3 to 5 means moderate risk of harm from unprotected sun exposure.
6-7	High	A UV Index reading of 6 to 7 means high risk of harm from unprotected sun exposure. Protection against skin and eye damage is needed.
8-10	Very High	A UV Index reading of 8 to 10 means very high risk of harm from unprotected sun exposure. Take extra precautions because unprotected skin and eyes will be damaged and can burn quickly.
11-16	Extreme	A UV Index reading of 11 or more means extreme risk of harm from unprotected sun exposure. Take all precautions because unprotected skin and eyes can burn in minutes.

SUNRISE/SUNSET & MOON RISE/MOON SET TIME

The console indicates your location's sunrise/sunset & moon rise/moon set times, which is based on time zone, latitude, and longitude you entered. If Daylight Saving is set to AUTO, the times will adjust an hour forward automatically for daylight saving.

MULTI-CHANNEL AND SCROLL MODE FOR OPTIONAL SENSORS

Users can add up to seven (7) additional hygro-thermo sensors to display console. While on the home screen, press the CHANNEL **Ch** button to switch between indoor and channels 1 to 7. To go through the channels every five (5) seconds automatically press and hold the CHANNEL **Ch** button for two (2) seconds until the **Ch** icon appears on screen.



MAX/MIN

This section explains how to get to, view, and clear MAX/MIN records.

1. Press the HOME button to show key function icons.
2. Press the MAX/MIN RECORDS button to show the MAX/MIN Records screen.
3. Use the up and down keys to show indoor, outdoor, and channel's records.
4. To clear the selected MAX/MIN records, use the up and down key to select the records.
5. Then, press and hold the erase key for two (2) seconds.

Today's Records			
Outdoor			
Temperature °F	1:10 pm $\bar{}$ 86.2	4:23 am \pm 51.2	
Humidity %	10:18 am $\bar{}$ 92	10:23 am \pm 35	
Feels like °F	12:23 am $\bar{}$ 88.7	5:23 am \pm 66.5	
Dew point °F	11:26 am $\bar{}$ 83.5	5:23 am \pm 53.9	
Heat index °F	12:23 am $\bar{}$ 88.7		
Wind chill °F		2:23 am \pm 50.3	
Wind speed mph	2:13 am $\bar{}$ 16.2		
Wind gust mph	2:22 am $\bar{}$ 19.5		
Rain rate in/h	5:45 pm $\bar{}$ 0.06		
Hourly rain in	5:23 pm $\bar{}$ 0.12		
UVI	12:23 am $\bar{}$ 11.2		
Light intensity Klux	12:23 am $\bar{}$ 180		

Today's Records			
Outdoor			
Temperature °F	1:10 pm $\bar{}$ 86.2	4:23 am \pm 51.2	
Humidity %	10:18 am $\bar{}$ 92	10:23 am \pm 35	
Feels like °F	12:23 am $\bar{}$ 88.7	5:23 am \pm 66.5	
Dew point °F	11:26 am $\bar{}$ 83.5	5:23 am \pm 53.9	
Heat index °F	12:23 am $\bar{}$ 88.7		
Wind chill °F		2:23 am \pm 50.3	
Wind speed mph	2:13 am $\bar{}$ 16.2		
Wind gust mph	2:22 am $\bar{}$ 19.5		
Rain rate in/h	5:45 pm $\bar{}$ 0.06		
Hourly rain in	5:23 pm $\bar{}$ 0.12		
UVI	12:23 am $\bar{}$ 11.2		
Light intensity Klux	12:23 am $\bar{}$ 180		

HISTORY GRAPH

This section explains how to get to and view history graphs.

1. Press the HOME button to show key function icons.
2. Press the HISTORY GRAPH button to show the history graph mode.
3. Press the up or down key to select a data source from the list.
4. Press the right key to view the past 24 hrs. graph.
5. When the graph appears, press the up or down key to show other graphs.
6. Press the left key to go back to the history graph list.

NOTE: When console is powered off, all the graphs will reset.

DATA LOG SCREEN

The data log screen captures all the history records. Users can connect their USB flash drive to the console to store weather data.

No.	Date	Time	In $\bar{}$	In \circ	Baro Pressure	Out $\bar{}$	Out \circ	Feels like	Dew point	Heat index
00001	10/11/2021	10:00 am	80.5	56	1011	85.2	65	89.6	65.3	89.6
00002	10/11/2021	10:05 am	82.6	59	1012	82.1	58	85.3	76.8	85.3
00003	10/11/2021	10:10 am	79.5	56	1012	86.2	65	92.5	78.6	92.5
00004	10/11/2021	10:15 am	83.8	45	1013	82	69	85.2	76.5	85.2
00005	10/11/2021	10:20 am	82.5	58	1011	82.5	65	83.2	72.1	83.2
00006	10/11/2021	10:25 am	85.6	59	1012	86.3	58	89.8	68.2	89.8
00007	10/11/2021	10:30 am	86.5	56	1012	89.2	65	93.6	69.5	93.6
00008	10/11/2021	10:35 am	83.8	45	1013	81	69	82.5	65.2	82.5
00009	10/11/2021	10:40 am	81.5	56	1011	86.2	65	91.2	62.5	91.2
00010	10/11/2021	10:45 am	82.6	59	1012	85.1	58	90.3	68.2	90.3
00011	10/11/2021	10:50 am	86.5	56	1012	82.2	65	89.8	67.2	89.8
00012	10/11/2021	10:55 am	82.8	45	1013	79.2	69	79.5	65.2	79.5
00013	10/11/2021	11:00 am	87.5	56	1011	78.9	65	80.2	67.8	80.2
00014	10/11/2021	11:05 am	85.6	59	1012	79.1	58	82.3	62.5	82.3
00015	10/11/2021	11:10 am	82.5	56	1012	78.2	65	80.2	68.7	80.2
00016	10/11/2021	11:15 am	87.8	45	1013	76.2	69	78.6	72.5	78.6

1. Number of row
2. Record time and date
3. Indoor temperature and humidity
4. Barometric pressure
5. Outdoor temperature and humidity
6. Temperature index
7. Percentage of data storage remaining

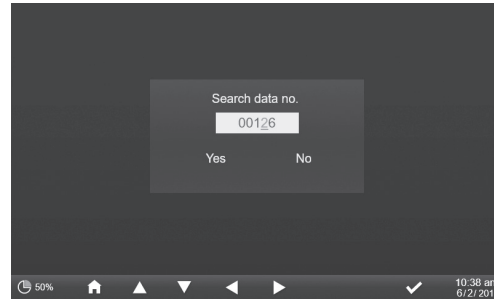
NAVIGATING THE DATA LOG SCREEN

1. Press the HOME button to show key function icons.
2. Press the RECORD TABLE button to show the Data Log Screen.
3. Use the up , down , left , and right keys to browse through the screen.
4. Press the search key to show the data search screen.

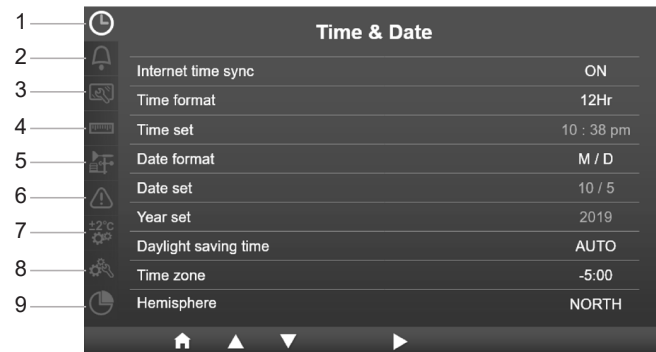
No.	Date	Time	In $\bar{}$	In \circ	Baro Pressure	Out $\bar{}$	Out \circ	Feels like	Dew point	Heat index
00001	10/11/2021	10:00 am	80.5	56	1011	85.2	65	89.6	65.3	89.6
00002	10/11/2021	10:05 am	82.6	59	1012	82.1	58	85.3	76.8	85.3
00003	10/11/2021	10:10 am	79.5	56	1012	86.2	65	92.5	78.6	92.5
00004	10/11/2021	10:15 am	83.8	45	1013	82	69	85.2	76.5	85.2
00005	10/11/2021	10:20 am	82.5	58	1011	82.5	65	83.2	72.1	83.2
00006	10/11/2021	10:25 am	85.6	59	1012	86.3	58	89.8	68.2	89.8
00007	10/11/2021	10:30 am	86.5	56	1012	89.2	65	93.6	69.5	93.6
00008	10/11/2021	10:35 am	83.8	45	1013	81	69	82.5	65.2	82.5
00009	10/11/2021	10:40 am	81.5	56	1011	86.2	65	91.2	62.5	91.2
00010	10/11/2021	10:45 am	82.6	59	1012	85.1	58	90.3	68.2	90.3
00011	10/11/2021	10:50 am	86.5	56	1012	82.2	65	89.8	67.2	89.8
00012	10/11/2021	10:55 am	82.8	45	1013	79.2	69	79.5	65.2	79.5
00013	10/11/2021	11:00 am	87.5	56	1011	78.9	65	80.2	67.8	80.2
00014	10/11/2021	11:05 am	85.6	59	1012	79.1	58	82.3	62.5	82.3
00015	10/11/2021	11:10 am	82.5	56	1012	78.2	65	80.2	68.7	80.2
00016	10/11/2021	11:15 am	87.8	45	1013	76.2	69	78.6	72.5	78.6

SEARCHING FOR A ROW OF DATA

1. In the data search screen, use the up ▲, down ▼, left ◀, and right ▶ keys to enter the number of the row being searched.
2. Press the confirm ✓ key to select the yes option.
3. Press the confirm ✓ key again to go to that row.



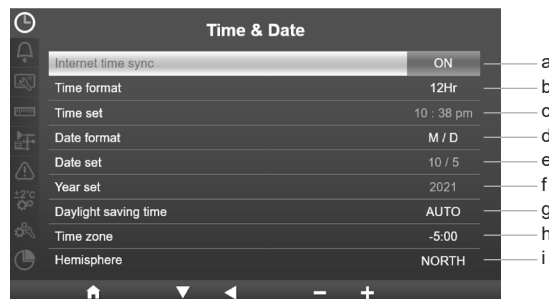
GENERAL SETTINGS



- | | |
|------------------------|------------------------|
| 1. Time & date setting | 6. Alert setting |
| 2. Alarm setting | 7. Calibration setting |
| 3. Display setting | 8. Other setting |
| 4. Unit setting | 9. Data log setting |
| 5. Sensor setting | |

All the console settings and system information are in the setting menu, press the up ▲ /down ▼ key to select the section required, then press the right ▶ key to enter the sub items of the section.

TIME & DATE SETTING



Press the up ▲ /down ▼ key to select one of the following settings:

#	Sub item	Operation
a	Internet time sync	Press + / - to turn on or turn off
b	Time format	Press + / - to select 12 or 24 format
c	Time set	When time sync is off, press ◀ / ▶ to select between hour or minute, press + / - to adjust the value.
d	Date format	Press + / - to select M / D or D / M format
e	Date set	When time sync is off, press ◀ / ▶ to select month or date, press + / - to adjust the value.
f	Year set	When time sync is off, press + / - to adjust the value.
g	Daylight saving time	Press + / - to turn off or set the DST to auto.
h	Time zone	Press + / - to select the your local time zone to get correct time.
i	Hemisphere	Press + / - to select NORTH or SOUTH hemisphere for the 7-in-1 sensor point to and moon phase.

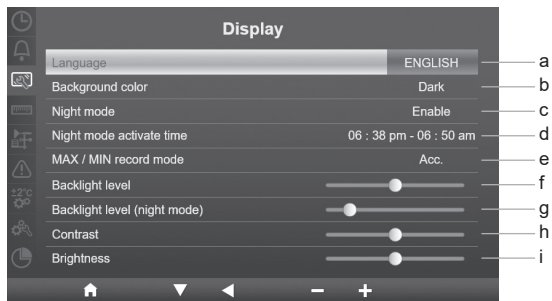
ALARM TIME SETTING



Press the up ▲ /down ▼ key to select one of the following settings:

#	Sub item	Operation
a	Alarm time set	Press ◀ / ▶ to select between hour or minute. Press + / - to adjust the value
b	Alarm mode	Press + / - to select Everyday or Weekday only
c	Alarm	Press + / - to turn on or turn off
d	Ice pre alert	Press + / - to turn on or turn off.
e	Alarm sound level	Press + / - to adjust the sound level
f	Key tone level	Press + / - to adjust the key tone level (default is off)

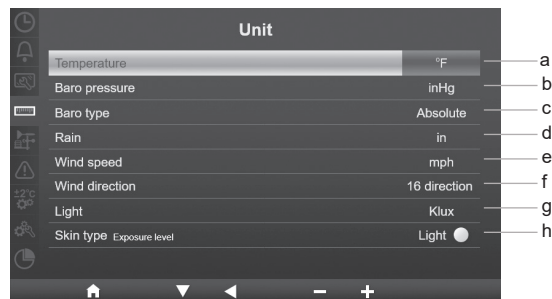
DISPLAY SETTING



Press the up ▲ /down ▼ key to select one of the following settings:

#	Sub item	Operation
a	Language	Press + / - to select the display language
b	Background color	Press + / - to select light or dark color background for display mode
c	Night mode	Press + / - to set enable (trigger to the activate time period), disable or auto (trigger by your room ambient light level)
d	Night mode activate time	Press ◀ / ▶ to select between hour or minute. Press + / - to adjust the value.
e	MAX / MIN record mode	Press + / - to select MAX / MIN data records mode by Accumulate (Acc.) or daily.
f	Back light level	Press + / - to adjust the back light level in normal
g	Back light level (Night mode)	Press + / - to adjust the back light level during night mode
h	Contrast	Press + / - to adjust the screen contrast
i	Brightness	Press + / - to adjust the screen brightness

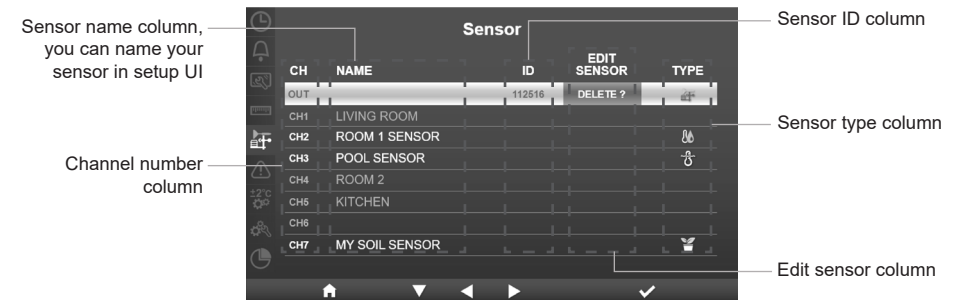
UNIT SETTING



Press the up ▲ /down ▼ key to select one of the following settings:

#	Sub item	Operation
a	Temperature	Press + / - to select °C or °F
b	Baro pressure	Press + / - to select hPa, inHg or mmHg
c	Baro type	Press + / - to select relative or absolute
d	Rain	Press + / - to select mm or in
e	Wind speed	Press + / - to select m/s, km/h, knots or mph
f	Wind direction	Press + / - to select 16 direction or 360°
g	Light	Press + / - to select Klux, Kfc or w/m ²
h	Skin type exposure level	Press + / - to select light, medium, or dark skin type for exposure level

SENSOR STATUS & EDITING



Adding a New Sensor

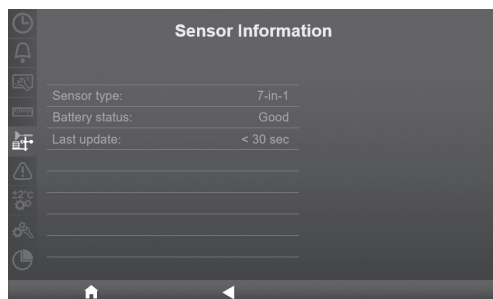
1. Press the up ▲ or down ▼ key to select the empty channel.
2. Press the right ▶ key to select the edit sensor column.
3. When the column shows the "Add" option, click the confirm key to start the sensor search.
4. Select the matching channel number on the sensor, then power on or press the RESET button to start the pairing.
5. Once devices are connected, the sensor icon, ID, and signal strength will show in the channel row.

Deleting a Current Sensor

1. Press the up ▲ or down ▼ key to select the connected sensor.
2. Press the right ▶ key to select the edit sensor column.
3. When the column shows the "Delete" option, click the confirm key to delete the sensor.

Checking Sensor Status

1. Press the up ▲ or down ▼ key to select the connected sensor.
2. Press the right ► key twice to select the sensor type icon.
3. Press the right ► key again to show the sensor connection status.



ALERT SETTING

SET INDOOR ALERT

1. Press the right ► key to enter the indoor alert setting screen
2. Press + / - key to adjust the value or the on and off option.
3. Press the left ◀ or right ► key to select different setting value.
4. Press the up ▲ or down ▼ key to select different row of the setting.
5. When finished, press the left ◀ key to go back to alert screen or the HOME button to go back to the home screen.

SET OUTDOOR ALERT

1. Press the right ► key to enter the outdoor alert setting screen
2. Press + / - key to adjust the value or the on and off option.
3. Press the left ◀ or right ► key to select different setting value.
4. Press the up ▲ or down ▼ key to select different row of the setting.
5. When finished, press the left ◀ key to go back to alert screen or the HOME button to go back to the home screen.

SET CHANNEL ALERT

1. Press the right ► key to enter the channel alert setting screen
2. Press + / - key to adjust the value or the on and off option.
3. Press the left ◀ or right ► key to select different setting value.
4. Press the up ▲ or down ▼ key to select different row of the setting.
5. When finished, press the left ◀ key to go back to alert screen or the HOME button to go back to the home screen.

OTHER ALERT FUNCTIONS

Sub item	Operation / Description
Reset all alert values	1. Press ► key to show the confirmation screen 2. Press ◀ / ► key to select Yes or No 3. Press ✓ key to confirm the action
Disable all alerts	1. Press ► key to show the confirmation screen 2. Press ◀ / ► key to select Yes or No 3. Press ✓ key to confirm the action
Alert Activated	Press ► key to show the list of the activated alerts

CALIBRATION SETTING

Press the up ▲ /down ▼ key to select indoor, outdoor, channels, or other settings.

Calibration for Indoor Parameter

1. Press the right ► key to enter indoor calibration screen.
2. Press + / - key to adjust the value.
3. Press the left ◀ or right ► key to select different parameter.
4. Press the up ▲ or down ▼ key to select different row of the parameter.
5. When finished, press the right ► key to go back to the calibration screen or press the HOME button to go to the home screen.

Calibration for Outdoor Parameter

1. Press the right ► key to enter outdoor calibration screen.
2. Press + / - key to adjust the value.
3. Press the left ◀ or right ► key to select different parameter.
4. Press the up ▲ or down ▼ key to select different row of the parameter.
5. When finished, press the right ► key to go back to the calibration screen or press the HOME button to go to the home screen.

Calibration for Channel(s) Parameter

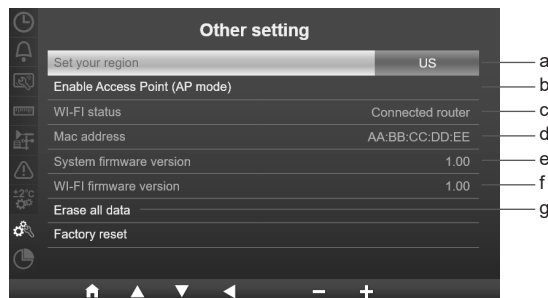
1. Press the right key to enter channel calibration screen.
2. Press / key to adjust the value.
3. Press the left or right key to select different parameter.
4. Press the up or down key to select different row of the parameter.
5. When finished, press the right key to go back to the calibration screen or press the HOME button to go to the home screen.

NOTE: Press the reset value key to reset the selected calibration value to default.

Calibration Parameter

Sensor	Parameter	Type of calibration	Default value	Setting range	Typical calibration source
Indoor, Outdoor or channel(s)	Temperature	Offset	0	±68 °F	Red spirit or mercury thermometer
	Humidity	Offset	0	±20 %	Sling psychrometer
Indoor	Absolute pressure	Offset	0	±560hPa (±16.54inHg or ±420mmHg)	Calibrated laboratory grade barometer
	Relative pressure	Offset	0	±560hPa (±16.54inHg or ±420mmHg)	Local airport
Outdoor	Wind speed	Gain	1	x 0.5 -1.5	Calibrated laboratory grade wind meter
	Wind direction	Offset	0	±10°	GPS or Compass
	Rain	Gain	1	x 0.5 -1.5	Sight glass rain gauge with meter
	UVI	Gain	1	x 0.01 ~ 10.0	Calibrated laboratory grade UV meter
	Light intensity	Gain	1	x 0.01 ~ 10.0	Calibrated laboratory grade solar radiation sensor

OTHER SETTING



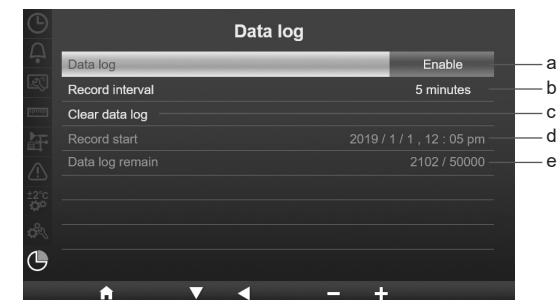
Press the up /down key to select option.

#	Sub item	Operation / Description
a	Set your region	Press / key to select Europe, UK, US, Australia
b	Enable Access Point	Press key to start AP mode for WI-FI connection setup
c	Wi-Fi status	Show the current console WI-FI connection status
d	Mac address	Show the console Mac address
e	System firmware version	Shows current system firmware version of the console
f	Wi-fi firmware version	Shows current Wi-fi firmware version of the console
g	Erase all data	Press key to erase all the data in console
h	Factory reset	Press key to reset all the setting to default and clear all the data in console

Unit display	Europe	UK	US	Australia
Date format	D / M	D / M	M / D	D / M
Time format	24 Hours	AM / PM	AM / PM	AM / PM
Time zone	+2	+0	-5(EST)	+10
Hemisphere	NORTH	NORTH	NORTH	SOUTH
DST	Auto	Auto	Auto	Off
Temperature	C	C	F	C
Pressure	hPa	hPa	inHg	hPa
Wind speed	m/s	m/s	mph	m/s
Rain	mm	mm	in	mm
Light intensity	Klux	Klux	Klux	Klux

NOTE: Sensors that are connected to the console may activate incorrectly during installation. Select the “Erase All Data” option to restart the console and clear all erroneous data.

DATA LOG SETTING



Press the up ▲ /down ▼ key to select option.

#	Sub item	Operation / Description
a	Data log	Press + / - key to enable or disable the data log function
b	Record interval	Press + / - key to select the record interval between 5, 10 or 30 minutes
c	Clear data log	Press ▶ key to enter clear data log screen
d	Record start	Show the record start date and time
e	Data log remain	Show the data log storage remain

Data log function

You can use a USB flash drive to record the weather data for further analysis.

To Start Data Recording

1. Format the USB flash drive to fat32 format with a PC.
2. Connect the flash drive to the console USB port.
3. In the "Data log" setting, select "enable" to start the data recording.

To Stop Data Recording

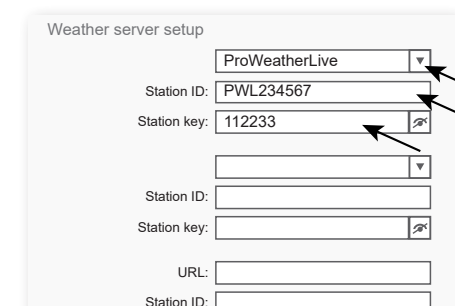
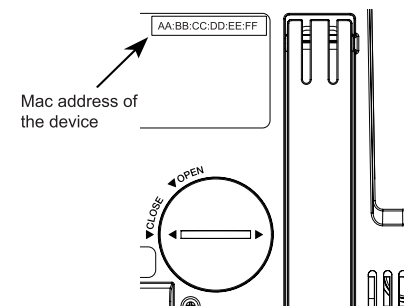
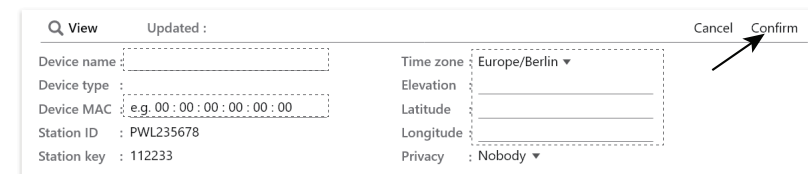
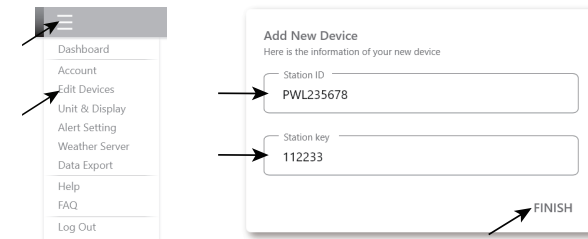
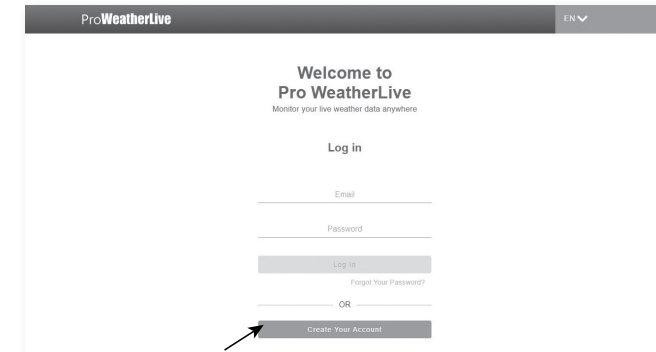
1. In the "Data log" setting, select "disable" to stop the data recording.
2. Unplug the USB flash drive.

CREATE PWL ACCOUNT & SET UP WI-FI® CONNECTION

The console can upload/download weather data to ProWeatherLive (PWL), Weather Underground (WU) and/or Weathercloud (WC) through wi-fi router, follow the step below to set up your device.

CREATE YOUR PWL ACCOUNT

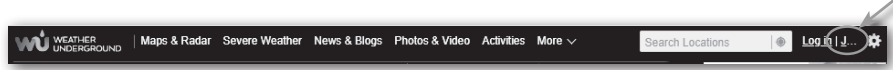
1. Visit the ProWeatherLive website at <https://www.proweatherlive.net> and click the "Create Your Account". Follow the instructions to create an account.
NOTE: Please use a valid email address to register your account.
2. Once your account is created, sign into it, and then click "Edit Devices" in the drop-down menu to add a new device.
3. In "Edit Devices" page, click the "+Add" on the top right corner to create a new device, it will generate the station ID and key instantly, jot down both and then click "FINISH" to create the station tab.
4. Click the "Edit" on the top right corner of the station tab.
5. Enter in the "Device name", "Device Mac address", "Elevation", "Latitude", "Longitude" and select your time zone in the station tab, then click "Confirm" to save the setting.
6. On the "Setup" page, enter the Station ID and key assigned by ProWeatherLive that you received.



CREATE YOUR WEATHER UNDERGROUND ACCOUNT

1. Visit the Weather Underground website at <https://www.wunderground.com> and click the “Join” on the top right corner to open the registration page. Follow the instructions to create an account.

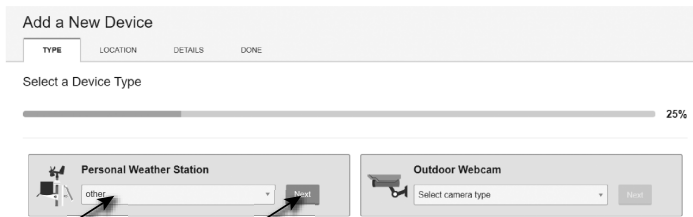
NOTE: Please use a valid email address to register your account.



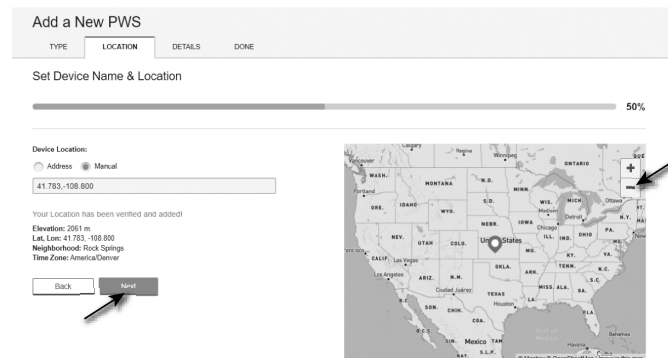
2. Click the “My Profile” button on the top to open the drop-down menu and click “My Weather Station”.



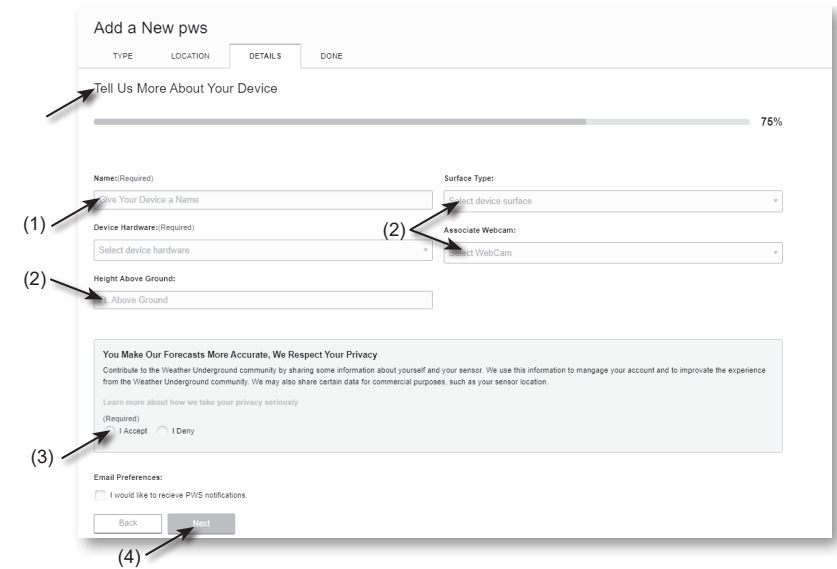
3. On the “My Weather Station” page, press the “Add New Device” button to add your device.
4. In the “Select a Device Type” section, choose “Other” from the list, then press “Next”.



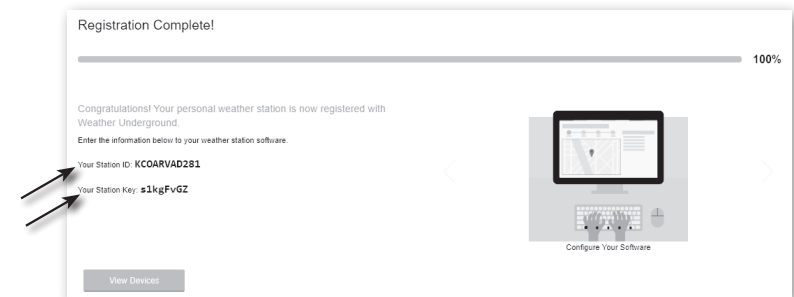
5. In the “Set Device Name & Location” section, select your location on the map, then press “Next”.



6. Enter your weather station information in the “Tell Us More About Your Device” section. Then, click the “Next” button.



7. Memorize your Station ID and key for future setup.

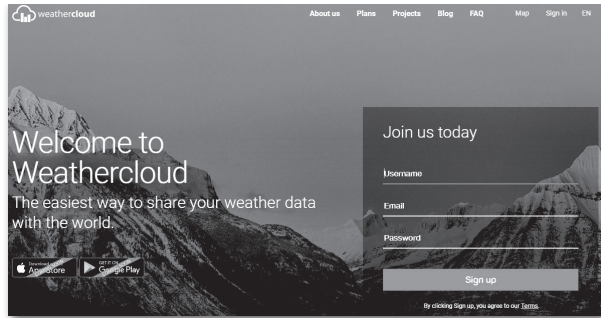


8. Select the Weather underground in first or second row of the Weather server setup section then enter in your Station ID and key that was assigned by Weather underground.

CREATE YOUR WEATHERCLOUD ACCOUNT

1. Visit the Weather Underground website at <https://www.wunderground.com> and click the “Join” on the top right corner to open the registration page. Follow the instructions to create an account.

NOTE: Please use a valid email address to register your account.

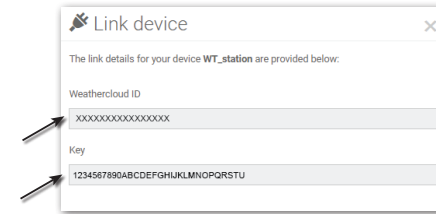


2. Sign into Weathercloud and then go to the “Devices” page. After, click “+ New” to add new device.




3. Enter all the information in the “Create new device” page. Once you fill in all the information, click “Create”.








4. Memorize your Station ID and key for future setup.



5. Select the Weather underground in first or second row of the Weather server setup section then enter in your Station ID and key that was assigned by Weather underground.

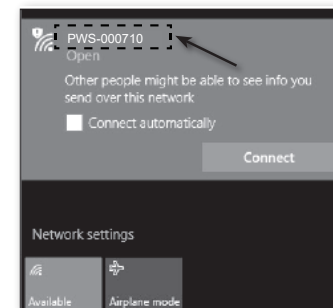
SETTING UP WI-FI® CONNECTION

When you first power up the console, the console LCD display will show the “AP” flashing and the  icon to signify that it has entered Access Point (AP) mode.

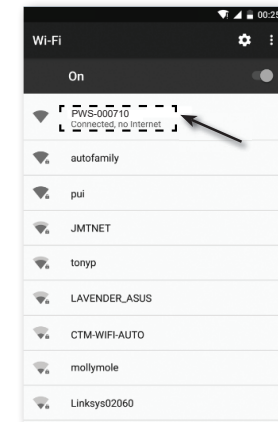
1. To activate AP mode, press the SETTING  button to open the setting menu.
2. Press the up  or down  key to enter the other setting section.
3. Press the right  key to enter sub menu.
4. Press the up  or down  key to select Enable Access Point, then press the confirm  key to start the AP mode.

Use your smartphone, tablet, or computer to connect to the console via Wi-Fi® by following these steps:

1. On PC, open your Wi-Fi® network settings. On Android™ or iOS devices, go to settings menu and then select Connections/WI-FI to open the network settings.
2. Locate the display console’s SSID from the list. It should appear as PWS-XXXXXX (where all the X’s are integers) in the list. Tap on the SSID to connect. This step will take several seconds.
3. Once you are connected to the display console, open your internet or mobile web browser, and enter the following address into the address bar: <http://192.168.1.1> (make sure to include the <http://> or else the web browser may interpret the address as a search query). We recommend using the latest version of reputable web browsers.



E.g. PC Wi-Fi network interface



E.g. Android smart phone WI-FI network interface

SETTING UP WEATHER SERVER CONNECTION

Enter the information into the following web interface "SETUP" page. Ensure all information is entered prior to pressing **Apply** to connect the console to weather server(s).

ProWeatherLive

SETUP **ADVANCED**

Language: English

WiFi Router setup

Search Router: ROUNTER_A

Add Router

Security type: WPA/WPA2

Router Password: [password field]

Weather server setup

Station ID: [field] Station key: [field]

Station ID: [field] Station key: [field]

URL: [field]

Station ID: [field] Station key: [field]

Mac address: AA:AA:AA:AA:AA:AA

Time server setup

Server URL: time.nist.gov

Location setup

Latitude: 00 North

Longitude: 00 East

Firmware version: 1.00

Apply

SETUP page of setup interface

Annotations:

- Press "SETUP" icon to setup page
- Press "ADVANCED" icon to advanced page
- Select setup UI display language
- Press to search router
- Press to allow add router manually
- Select router (SSID) for connection
- Manually enter the SSID if not on list
- Select router's security type
- Router password (leave blank if the security type is "Open")
- Select the first weather server to upload. Select N/A if you don't want any upload.
- Select the second weather server to upload. Select N/A if you don't want any upload.
- Leave these blank (such service is optional and not provided in this model.)
- Mac address
- Select time server
- Select the direction (e.g. EU countries longitude is East and US is West)
- Press to complete the WI-FI related setting

ADVANCE SETTING IN WEB INTERFACE

Press the "ADVANCED" button at the top of web interface to enter the advance setting page, this page allows you to update the firmware version on PC/Mac web browser.

ProWeatherLive

SETUP **ADVANCED**

Sensor name	Status
CH 1: [field]	No connection
CH 2: [field]	No connection
CH 3: [field]	No connection
CH 4: [field]	No connection
CH 5: [field]	No connection
CH 6: [field]	No connection
CH 7: [field]	No connection

Firmware version: 1.00

Browse **Upload**

Advanced page

Annotations:

- Press "SETUP" icon to setup page
- This section allow you to name the sensor(s) that connected to the channel.
- The sensor connection status.
- WI-FI firmware version
- The firmware update function only available in PC/Mac web browser

VIEW WEATHER DATA ON A WEATHER ONLINE SERVER

VIEW YOUR WEATHER DATA IN PROWEATHERLIVE (PWL)

Once your device is connected, login into your ProWeatherLive account and see your device's live weather data on the dashboard.

ProWeatherLive Dashboard

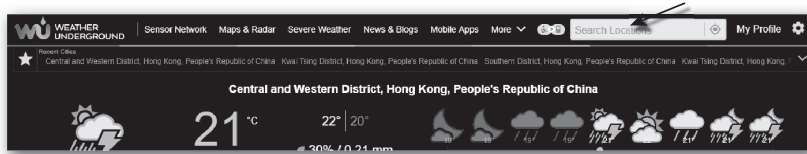
Updated: 20 seconds ago

My home station

OVERVIEW OUT Temperature: 29.5° Humidity: 65% Wind speed: 10 km/h Direction: NE Rain rate: 5.0 mm/h Daily rain: 10 mm UV: 5.2 Light: 925.2 W/m²	FORECAST 26 Dec Fri 26° / 21° 15%	WIND From NE 10 km/h 26.1 Gust: 15.2	BARO 1005 hPa
OUTDOOR Temperature: 29.5° Feels like: 22.5° Humidity: 65% Dewpoint: 27.3°	UV 5.2 Moderate risk	LIGHT 525.2 W/m² Yesterday High: 980.6 W/m²	RAIN 5.0 mm/h 10.0 mm
INDOOR Temperature: 26.2° Humidity: 57%	SKY 21 km 70% Yesterday condition: 25 km 60%	SUN MOON Sunrise: 6:01 am Sunset: 6:00 pm 80%	CH 1 My Room Temperature: 22.5° Humidity: 65%

VIEW YOUR WEATHER DATA IN WEATHER UNDERGROUND (WU)

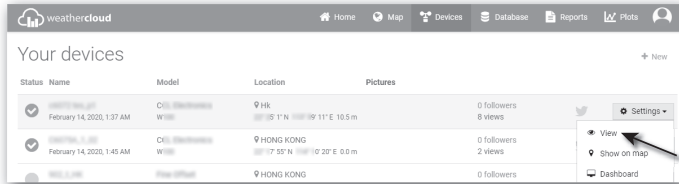
Once your device is connected, login into your Weather Underground account and see your device's live weather data on the dashboard.



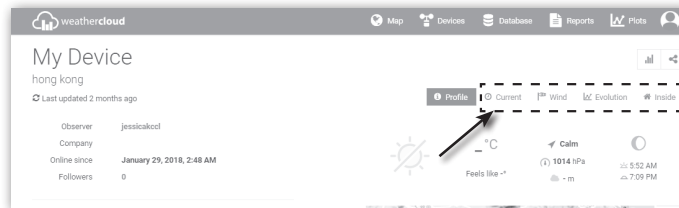
VIEW YOUR WEATHER DATA IN WEATHERCLOUD (WC)

Once your device is connected, login into your Weather Cloud account and see your device's live weather data on the dashboard.

1. To view the live data, visit <https://weathercloud.net> and sign into your account.
2. Click the view icon in the setting drop-down menu of your station.



3. Click "Current", "Wind", "Evolution", or "inside" icon to view the live data of your weather station.



UPDATING THE FIRMWARE

The console firmware update consists of two parts: Wi-fi function firmware and System firmware.

UPDATE THE WI-FI FIRMWARE



Follow the steps below to update your device's Function or Wi-Fi® System Firmware

1. Download the latest version of the firmware to your PC/Mac.
2. Set the console into AP (access point) mode then connect the PC/Mac to the console (refer to Setting Up Wi-Fi® Connection).
3. Click the **Browse** button in firmware update section and browse the location of the firmware file you downloaded in step 1. To update the Wi-fi firmware, click the "Browse" button in the Wi-fi firmware section.
4. Press **Upload** to start firmware update.
5. The console will restart once the update is completed.

NOTES: You cannot update the Function Firmware and Wi-Fi® Firmware at the same time. Updates must be installed one by one.

Make sure the power cable remains connected during the update process.

Make sure your PC's wireless connection is stable.

Once the update process starts, do not try to do anything else on your PC or on the display console.

UPDATE THE SYSTEM FIRMWARE

A USB flash drive is required for the system update.

1. Download the latest version of the firmware to your PC/Mac.
2. Unzip and copy the .upg file to the root directory of the flash drive.
3. Plug the flash drive to the USB port.
4. Press the left key to select "Yes".
5. Press the confirm key to confirm and start the system firmware update.
6. Once the update is completed, press the confirm key to exit firmware update mode.

CARE AND MAINTENANCE

BATTERY REPLACEMENT

If the low battery indicator icon  is displayed near the antenna icon of the sensor(s), this indicates that the batteries in your wireless weather sensor(s) are running low and should be replaced. Make sure to replace all batteries at the same time.

FACTORY RESET

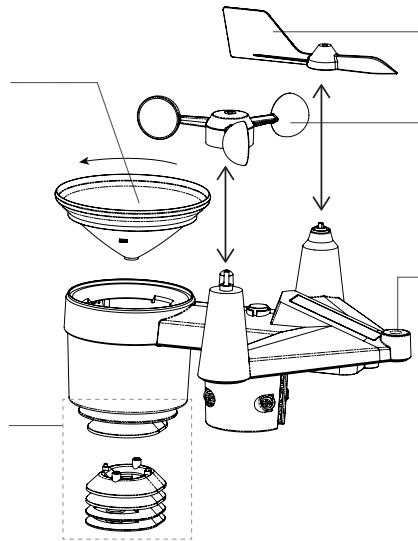
- To reset the console and start again, press the RESET button once or remove the backup battery and then unplug the adapter.
- To revert back to factory settings and remove all data, press and hold the RESET button for six (6) seconds.

Cleaning the Rain Funnel

1. Unscrew the rain funnel by turning the rain funnel counterclockwise.
2. Gently remove the rain funnel.
3. Clean and remove any debris or insects from the rain funnel.
4. Install the rain funnel when it is clean and fully dried.

Cleaning the Hygro-thermo Sensor

1. Remove the two (2) screws at the bottom of the radiation shield.
2. Gently remove the shield.
3. Carefully remove any dirt or insects on the sensor (do not let the sensors inside get wet).
4. Clean the shield with water to remove any dirt or insects.
5. Install all the parts back when they are clean and fully dried.



Replacing the Wind Vane

1. Unscrew and remove the wind vane for the new replacement.

Replacing the Wind Cup

1. Remove the rubber cup and unscrew the wind cups.
2. Remove the wind cups for the new replacement.

Cleaning the UV Sensor and Calibration

- For precision UV measurement, gently clean the UV sensor cover lens with damp micro-fiber cloth.
- Over time, the UV sensor will naturally degrade. The UV sensor can be calibrated with a utility grade UV meter.

TROUBLESHOOTING

PROBLEM	SOLUTION
7-in-1 wireless sensor is not connecting.	<ol style="list-style-type: none"> 1. Make sure the sensor is within the transmission range. 2. If it still does not work, reset the sensor, and resynchronize with console.
Additional wireless sensor(s) are not connecting.	<ol style="list-style-type: none"> 1. Make sure the sensor(s) is/are within the transmission range. 2. Make sure the channel displayed matches the channel selection on sensor. 3. If it still does not work, reset the sensor and resynchronize with console.
No Wi-fi connection	<ol style="list-style-type: none"> 1. Check the WI-FI icon on the display, it should be on if connectivity is successful. 2. In the console SETUP page, make sure the WI-FI settings (router's name, security type and password) are correct. 3. Make sure you connect to 2.4G band of the WI-FI router (5G not supported).
Display screen is not working.	<ol style="list-style-type: none"> 1. Check that the power adapter is plugged into the console and outlet properly. 2. Reset the console by pressing the RESET button that located on the back of the console.
Data isn't transferring to ProWeatherLive, Weather Underground, or Weather Cloud.	<ol style="list-style-type: none"> 1. In the console SETUP page, ensure your Station ID and Station Key are correct. 2. Ensure the date and time is correct on the console. 3. Ensure your time zone is set properly.
Weather Underground accumulation graph's reset time is off by an hour.	<ol style="list-style-type: none"> 1. Ensure your time zone on Weather Underground is set properly. 2. Ensure the time zone and DST setting on your console are correct.
Rainfall data is not correct.	<ol style="list-style-type: none"> 1. Make sure the rain collector is clean for the tipping bucket to tip smoothly. 2. Make sure the sensor has stable and level to ensure correct tipping.
Temperature is too high in the daytime.	<ol style="list-style-type: none"> 1. Place the sensor in open area and at least 4.9' (1.5 m) off the ground. 2. Ensure that the sensor is placed away from heat generating sources or structures, such as buildings, pavement, walls, or air conditioning units.
Some condensation beneath the UV sensor may occur overnight.	This will disappear when temperature rises up under the sun and will not affect the performance of the unit.

COMPATIBLE DEVICES

The display console of the Logia 7-in-1 Wireless Weather Station with Wi-fi[®], Everlasting Solar Cell, and 7" Full-Color HD LCD Display can be paired with other add-on sensors like the indoor hygro-thermo and soil moisture & temperature add-on sensors.

Visit www.logiaweatherstations.com for the most updated list of compatible Logia add-on sensors.

SPECIFICATIONS

DISPLAY CONSOLE	
General Specifications	
Product type	Weather/environment sensor & console
Dimensions (W x H x D)	7.5" x 5.5" x 0.8" (190 x 140 x 19.5 mm)
Weight	12.8 lbs. (325 g) (with battery)
Power source	DC 5 V, 1 A adapter
USB port	USB type A port
Backup battery	CR2032
Operating temperature environment	23 °F ~ 122 °F (-5 °C ~ 50 °C)
Operating humidity environment	10 ~ 90% RH
Adult assembly required for console	No
Location use for console	Indoor use
Additional tools required for console	No
Country of origin	China
Warranty included	Yes
Warranty length	1 year
Wi-Fi® Communication Specifications	
Wi-Fi standard	802.11 b/g/n
Wi-Fi operating frequency	2.4 GHz
Supported router security type	WPA/WPA2, OPEN, WEP (WEP only support Hexadecimal password)
Supported devices for setup UI	Built-in wi-fi with AP mode function smart devices or laptops e.g.: Android smartphone, Android pad, iPhone, iPad, or PC/Mac computer
Recommended web browser for setup UI	Web browsers that support HTML 5
Websites	https://proweatherlive.net https://wunderground.com https://weathercloud.net
Supported sensors	<ul style="list-style-type: none"> • 1 wireless 7-in-1 weather outdoor sensor • Up to 7 wireless hygro-thermo sensors/soil moisture sensor/pool sensor (optional)
RF frequency	915 MHz (US version)
RF transmission range	492' (150 m)
Time-related Function Specifications	
Time display	HH:MM
Hour format	12 hr. AM/PM or 24 hr.
Date display	DD/MM or MM/DD
Time synchronize method	Time received through internet time server
Weekday languages	EN/DE/FR/ES/IT/NL/RU
Time zone	+13 ~ -12 hour
DST	AUTO/OFF
Data Log Specifications	
USB flash drive capacity	Up to 16 GB
Interface	USB
Storage format	Fat32
File format	.CSV

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
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 ~ 825 mmHg ± 3.8 mmHg) / (405 ~ 522 mmHg ± 6 mmHg) Typical at 77°F (25°C)
Resolution	1 hPa / 0.01 inHg / 0.1 mmHg
Weather forecast	Sunny/clear, slightly cloudy, cloudy, rainy, rainy/stormy, snowy
Indoor Temperature Display & Function Specifications	
Note: The following details are listed as they are displayed or operate on the console.	
Temperature unit	°C and °F
Accuracy	-40 °F ~ 41 °F ± 3.6 °F (-40 °C ~ 5 °C ± 2 °C) 41.2 °F ~ 140 °F ± 1.8 °F (5.1 °C ~ 60 °C ± 1 °C)
Resolution	0.1 °F / 0.1 °C
Indoor Humidity Display & Function Specifications	
Note: The following details are listed as they are displayed or operate on the console.	
Humidity unit	%
Accuracy	1% ~ 20% RH ± 8% RH @ 77 °F (25 °C) 21% ~ 80% RH ± 5% RH @ 77 °F (25 °C) 81% ~ 99% RH ± 8% RH @ 77 °F (25 °C)
Resolution	1%
WIRELESS 7-IN-1 OUTDOOR SENSOR	
General Specifications	
Dimensions (W x H x D)	12.7" x 11.7" x 8.5" (322 x 296 x 217 mm)
Weight	1.5 lbs. (680 g) (with battery pack)
Main power	3.6 V Ni-MH rechargeable battery pack
Weather data	Temperature, humidity, wind speed, wind direction, rainfall, UV, light intensity
RF transmission range	492' (150 m)
RF frequency	915 MHz
Transmission interval	Every 12 seconds UV, light intensity, wind speed, and wind direction data Every 24 seconds for temperature, humidity, and rain data
Operating temperature range	-40 °F ~ 140 °F (-40 °C ~ 60 °C)
Location use for sensor	Outdoor use
Adult assembly required for sensor	Yes
Additional tools required for sensor	Screwdriver
Outdoor Temperature Display & Function Specifications	
Temperature unit	°C or °F
Resolution	0.1 °F/0.1 °C
Accuracy	-40 °F ~ 140 °F ± 0.7 °F (-40 °C ~ 60 °C ± 0.4 °C)
Outdoor Humidity Display & Function Specifications	
Note: The following details are listed as they are displayed or operate on the console.	
Humidity unit	%
Accuracy	1% ~ 90% RH ± 6.5% RH @ 77 °F (25 °C) 91% ~ 99% RH ± 6.5% RH @ 77 °F (25 °C)
Resolution	1%

Wind Speed/Direction Display & Function Specifications	
Note: The following details are listed as they are displayed or operate on the console.	
Wind speed unit	mph, m/s, km/h, knots
Wind speed display range	0 - 112 mph, 50 m/s, 180 km/h, 97 knots
Resolution	0.1 mph, 0.1 m/s, 0.1 km/h, 0.1 knots
Speed accuracy	< 5 m/s: +/- 0.5 m/s; > 5 m/s: +/- 6%
Display mode	Gust/average
Wind direction	16 directions or 360 degrees
Rain Display & Function Specifications	
Rainfall unit	mm and in
Rain rate unit	mm/h and in/h
Accuracy for rainfall	± 7%
Range for rainfall	0 - 787.3 in (0 - 19999 mm)
Resolution	0.01 in (0.254 mm)
Rain display mode	Last hour/last 24 hours/last month/today rainfall and rain rate
UV Index Display and Function Specifications	
Display range	0 - 16
Resolution	0.1
Display mode	UV index
Light Intensity Display and Function Specifications	
Light intensity unit	Klux, Kfc, W/m ²
Display range	0 - 200 Klux
Resolution	0.01 Klux, 0.01 Kfc, and 0.01 W/m ²
Wireless Hygro-thermo Sensor	
General Specifications	
Dimensions (W x H x D)	2.4" x 4.4" x 1.6" (60 x 113 x 39.5 mm)
Weight	0.3 lbs. (126 g) (with batteries)
Main power	2 x 1.5 V AA lithium batteries
Weather data	Temperature, humidity
RF transmission range	328' (100 m)
RF frequency	915 MHz
Transmission interval	60 seconds
Operating temperature range	-40 °F - 140 °F (-40 °C ~ 60 °C)
Wireless Hygro-thermo Sensor Temperature Specifications	
Temperature unit	°C or °F
Accuracy	-40 °F - 140 °F ± 0.7 °F (-40 °C ~ 60 °C ± 0.4 °C)
Resolution	0.1 °F/0.1 °C
Wireless Hygro-thermo Sensor Humidity Specifications	
Humidity unit	%
Accuracy	1% ~ 90% RH ± 6.5% RH @ 77 °F (25 °C) 91% ~ 99% RH ± 6.5% RH @ 77 °F (25 °C)
Resolution	1%

LIMITED WARRANTY TO ORIGINAL CONSUMER

This **Logia 7-in-1 Wireless Weather Station with Wi-Fi[®], Everlasting Solar Cell, and 7" Full-Color HD LCD Display ("Product")**, including any accessories included in the original packaging, as supplied and distributed new by an authorized retailer is warranted by **C&A Marketing, Inc. (the "Company")** to the original consumer purchaser only, against certain defects in material and workmanship ("**Warranty**") as follows:

To receive Warranty service, the original consumer purchaser must contact the Company or its authorized service provider for problem determination and service procedures. Proof of purchase in the form of a bill of sale or receipted invoice, evidencing that the Product is within the applicable Warranty period(s), MUST be presented to the Company or its authorized service provider in order to obtain the requested service.

Service options, parts availability, and response times may vary and may change at any time. In accordance with applicable law, the Company may require that you furnish additional documents and/or comply with registration requirements before receiving warranty service. Please contact our customer service for details on obtaining warranty service:

Email: info@supportcbp.com
Phone: 833-815-0568

Shipping expenses to the Company's Return Facility are not covered by this warranty, and must be paid by the consumer. The consumer likewise bears all risk of loss or further damage to the Product until delivery to said facility.

EXCLUSIONS AND LIMITATIONS The Company warrants the Product against defects in materials and workmanship under normal use for a period of **ONE (1) YEAR** from the date of retail purchase by the original end-user purchaser ("**Warranty Period**"). If a hardware defect arises and a valid claim is received within the Warranty Period, the Company, at its sole option and to the extent permitted by law, will either (1) repair the Product defect at no charge, using new or refurbished replacement parts, (2) exchange the Product with a Product that is new or which has been manufactured from new or serviceable used parts and is at least functionally equivalent to the original device, or (3) refund the purchase price of the Product.

A replacement Product or part thereof shall enjoy the warranty of the original Product for the remainder of the Warranty Period, or ninety (90) days from the date of replacement or repair, whichever provides you longer protection. When a Product or part is exchanged, any replacement item becomes your property, while the replaced item becomes the Company's property. Refunds can only be given if the original Product is returned.

This Warranty does not apply to:

- (a) Any non-Logia 7-in-1 Wireless Weather Station with Wi-Fi[®], Everlasting Solar Cell, and 7" Full-Color HD LCD Display product, hardware or software, even if packaged or sold with the Product;
- (b) Damage caused by use with non-Logia 7-in-1 Wireless Weather Station with Wi-Fi[®], Everlasting Solar Cell, and 7" Full-Color HD LCD Display products;
- (c) Damage caused by accident, abuse, misuse, flood, fire, earthquake, or other external causes;
- (d) Damage caused by operating the Product outside the permitted or intended uses described by the Company;
- (e) Damage caused by third party services;
- (f) A Product or part that has been modified to alter functionality or capability without the written permission of the Company;
- (g) Consumable parts, such as batteries, fuses and bulbs;
- (h) Cosmetic damage; or
- (i) If any Logia 7-in-1 Wireless Weather Station with Wi-Fi[®], Everlasting Solar Cell, and 7" Full-Color HD LCD Display serial number has been removed or defaced.

This Warranty is valid only in the country where the consumer purchased the Product, and only applies to Products purchased and serviced in that country.

The Company does not warrant that the operation of the Product will be uninterrupted or error-free. The Company is not responsible for damage arising from your failure to follow instructions relating to its use.

NOTWITHSTANDING ANYTHING TO THE CONTRARY AND TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THE COMPANY PROVIDES THE PRODUCT "AS-IS" AND "AS-AVAILABLE" FOR YOUR CONVENIENCE AND THE COMPANY AND ITS LICENSORS AND SUPPLIERS EXPRESSLY DISCLAIM ALL WARRANTIES AND CONDITIONS, WHETHER EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, QUIET ENJOYMENT, ACCURACY, AND NON-INFRINGEMENT OF THIRD-PARTY RIGHTS. THE COMPANY DOES NOT GUARANTEE ANY SPECIFIC RESULTS FROM THE USE OF THE PRODUCT, OR THAT THE COMPANY WILL CONTINUE TO OFFER OR MAKE AVAILABLE THE PRODUCT FOR ANY PARTICULAR LENGTH OF TIME. THE COMPANY FURTHER DISCLAIMS ALL WARRANTIES AFTER THE EXPRESS WARRANTY PERIOD STATED ABOVE.

YOU USE THE PRODUCT AT YOUR OWN DISCRETION AND RISK. YOU WILL BE SOLELY RESPONSIBLE FOR (AND THE COMPANY DISCLAIMS) ANY AND ALL LOSS, LIABILITY, OR DAMAGES RESULTING FROM YOUR USE OF THE PRODUCT.

NO ADVICE OR INFORMATION, WHETHER ORAL OR WRITTEN, OBTAINED BY YOU FROM THE COMPANY OR THROUGH ITS AUTHORIZED SERVICE PROVIDERS SHALL CREATE ANY WARRANTY.

IN NO EVENT WILL THE COMPANY'S TOTAL CUMULATIVE LIABILITY ARISING FROM OR RELATED TO THE PRODUCT, WHETHER IN CONTRACT OR TORT OR OTHERWISE EXCEED THE FEES ACTUALLY PAID BY YOU TO THE COMPANY OR ANY OF ITS AUTHORIZED RESELLERS FOR THE PRODUCT AT ISSUE IN THE LAST YEAR FROM YOUR PURCHASE. THIS LIMITATION IS CUMULATIVE AND WILL NOT BE INCREASED BY THE EXISTENCE OF MORE THAN ONE INCIDENT OR CLAIM. THE COMPANY DISCLAIMS ALL LIABILITY OF ANY KIND OF ITS LICENSORS AND SUPPLIERS. IN NO EVENT WILL THE COMPANY OR ITS LICENSORS, MANUFACTURERS AND SUPPLIERS BE LIABLE FOR ANY INCIDENTAL, DIRECT, INDIRECT, SPECIAL, PUNITIVE OR CONSEQUENTIAL DAMAGES (SUCH AS, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFITS, BUSINESS, SAVINGS, DATA OR RECORDS) CAUSED BY THE USE, MISUSE OR INABILITY TO USE THE PRODUCT.

Nothing in these terms shall attempt to exclude liability that cannot be excluded under applicable law. Some countries, states or provinces do not allow the exclusion or limitation of incidental or consequential damages or allow limitations on warranties, so certain limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may have other rights that vary from state to state or province to province. Contact your authorized retailer to determine if another warranty applies.



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.

If you experience any issues with your Logia 7-in-1 Wireless Weather Station with Wi-Fi[®], Everlasting Solar Cell, and 7" Full-Color HD LCD Display, 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

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