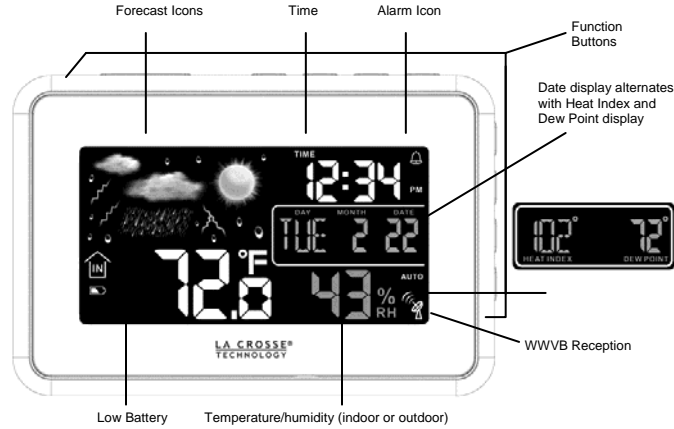


**308-805 Color Wireless
Atomic Weather Station**

Introduction

The Wireless Color Atomic Weather Station offers radio-controlled time, weather forecast, indoor and outdoor temperature/humidity and heat index with dew point, on one easy to read display.



COLOR WEATHER STATION:

FEATURES:

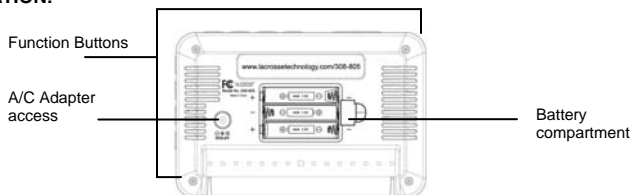
- Color animated forecast from changing barometric pressure: sunny, partly sunny, cloudy, rainy and stormy
- AUTO or MANUAL option toggles IN / OUT data
- IN / OUT temperature (°F / °C) and humidity (%RH)
- MIN / MAX temperature readings.
- ATOMIC time and date (auto sets)
- 12/24-hour time with snooze alarm and alarm icon
- Calendar display: month, day, date
- Heat index and dew point
- Light up display with press of button using battery adapter OR continuous light using AC adapter with ON / OFF option
- Low battery icon for weather station and sensor
- Sits on desktop or tabletop
- Transmits outdoor temperature and humidity
- Over 200 FT. wireless transmission range

INITIAL SET UP:

Adapter on the main unit with batteries or a/c adapter and set the time zone & weather icon:

- The **Time Zone** will flash EST. Press and release the UP or DOWN button to select the Time Zone. Press and release the SET button.
- The **Weather Forecast Icons** will flash. Press and release the UP or DOWN button to select the forecast icon that represents your current local weather. Press and release the SET button to confirm.
- The **Temperature area** will flash as the display searches for a signal from the outdoor transmitter.
- Insert fresh alkaline batteries into the transmitter, observing the correct polarity. Press the TX button to send a signal after the display is powered up. Keep the transmitter 5-10 feet from the weather station.
- Within 3 minutes the station will beep and the outdoor temperature should be displayed on the Weather station. If the outdoor temperature is not displayed after 3 minutes hold the SEARCH button on the main unit to search for outdoor sensor. Then press the TX button again on the sensor to send signal. If that doesn't work, remove power from both units and start again from the beginning.
- To ensure sufficient 434 MHz transmission, the outdoor transmitter should be placed a distance of no more than 200 feet (60 meters, open air) from the Color Weather station.

INSTALL BATTERIES OR A/C POWER ADAPTER INTO THE WEATHER STATION:



A/C power adapter:

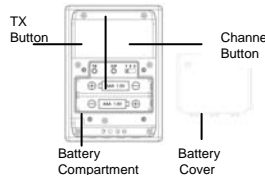
Plug enclosed 6-volt a/c power adapter into a wall outlet, then into the weather station.

Batteries:

- Remove battery: Slide tab to the left and pull out to remove battery cover.
- Install three fresh AAA alkaline batteries according to the polarity markings.
- Do Not Mix Old and New Batteries
- Do Not Mix Alkaline, Standard, or Rechargeable Batteries

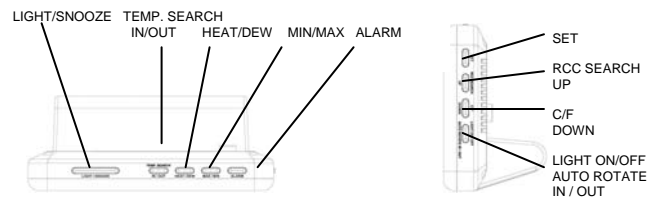
If the weather station does not display indoor temperature after 60 seconds, remove adapter and batteries, and wait for at least 60 seconds before powering up the weather station again.

INSTALL BATTERIES IN THE TRANSMITTER:



- Remove screws and the battery cover from the back of the transmitter with a small screwdriver.
- Insert two fresh AAA alkaline batteries into the transmitter, observing the correct polarity (see marking inside battery compartment).
- Keep transmitter 5-10 ft. from the weather station.

FUNCTION BUTTONS



Button	Press and Release Functions	Hold 3-5 seconds
LIGHT/SNOOZE	Activates backlight when using only batteries. Trigger snooze when time alarm is sounding.	
TEMP. SEARCH IN/OUT	Switch between indoor and outdoor temperature/humidity readings	Search for remote sensor
HEAT/DEW	Shows Heat Index and Dew Point	
MIN / MAX	Shows MIN and MAX values	Resets MIN / MAX values
ALARM	View Alarm	Alarm set
SET	Confirm setting.	Enter program menu, set time, date, forecast icon etc.
RCC SEARCH UP	Search for WWVB signal 1 step forward when setting	Fast advance when setting
C/F DOWN	Select temperature in C/ F 1 step backward when setting	Fast backward when setting
LIGHT ON/OFF AUTO ROTATE IN / OUT	Turn On or Off Auto-switch between indoor/outdoor data.	Turn On or Off continuous backlight on a/c adapter

WWVB RADIO CONTROLLED TIME

The NIST radio station, WWVB, is located in Ft. Collins, Colorado and transmits the exact time signal continuously throughout the United States at 60 kHz. The signal can be received up to 2,000 miles away through the internal antenna in the atomic weather station. However, due to the nature of the Earth's Ionosphere, reception is very limited during daylight hours. The atomic weather station will search for a signal every night when reception is best. The WWVB radio station derives its signal from the NIST atomic weather station in Boulder, Colorado. A team of atomic physicists continually measures every second of every day to an accuracy of ten billionths of a second a day. These physicists have created an international standard, measuring a second as 9,192,631,770 vibrations of a Cesium 133 atom in a vacuum. This atomic weather station regulates the WWVB transmitter.

WWVB RECEPTION icon with full signal strength will appear on screen if the reception of atomic time is successful. The atomic weather station will have a daily synchronization at 02:03 and 03:03 everyday. Each reception cycle is minimum 2.5 minutes and maximum 10 minutes. In normal mode, press the RCC button until the reception icon appears to enforce searching of radio-controlled clock signal. If this icon disappears afterwards, radio time signal is not available at the moment.

- Recommended distance to any interfering sources like computer monitors or TV sets is a minimum of 6 feet (2 meters).
- Within ferro-concrete rooms (basements, superstructures), the received signal is naturally weakened. In extreme cases, please place the unit close to a window and/ or point its front or back towards the Fort Collins, Colorado, transmitter.
- During nighttime, the atmospheric disturbances are usually less severe and reception is possible in most cases. A single daily reception is adequate to keep the accuracy deviation below 1 second.

NOTE: In case the atomic color weather station is not able to detect the WWVB-signal (disturbances, transmitting distance, etc.), the time can be manually set (please refer to notes TIME SET).

PROGRAM MENU:

TIME SET: The SET button moves through the program menu and the UP or DOWN button change the values.

- **TIME ZONE:** Hold the SET button and the Time Zone will flash. Press and release the UP or DOWN button to select the Time Zone. North American Time Zones are:
 - -4 Atlantic
 - EST Eastern
 - CST Central
 - MST Mountain
 - PST Pacific
 - -9 Alaska
 - -10 Hawaii
 Press and release the SET button to continue.
- **DST:** DST will show, and On or Off will flash. Press and release the UP or DOWN button to select the On or Off. Press and release the SET button to continue.
- **12/24-HOUR:** 12Hr or 24Hr will flash. Press and release the UP or DOWN button to select the 12-hour or 24-hour time. Press and release the SET button to continue.
- **HOUR:** The Hour will flash. Press and release the UP or DOWN button to select the Hour. Press and release the SET button to continue.
- **MINUTES:** The Minutes will flash. Press and release the UP or DOWN button to select the Minutes. Press and release the SET button to continue.
- **YEAR:** The Year will flash. Press and release the UP or DOWN button to select the Year. Press and release the SET button to continue.
- **MONTH:** The Month will flash. Press and release the UP or DOWN button to select the Month. Press and release the SET button to continue.
- **DATE:** The Date will flash. Press and release the UP or DOWN button to select the Date. Press and release the SET button to continue.
- **WEATHER FORECAST ICON:** Press and release the UP or DOWN button to select the forecast icon that represents your current local weather. The forecast icon will flash. Press and release the SET button to exit.
- **NOTE:** If possible, it is best to select the **RAINY ICON** when it is raining outside. This allows for the most accurate future forecasts based on barometric pressure changes.

WEATHER FORECAST ICONS:

The unit predicts weather condition of the next 12 – 24 hours based on the change of atmospheric pressure. The weather forecast is based on atmospheric pressure change and is about 70-75% correct. As weather conditions cannot be 100% correctly forecasted, we cannot be responsible for any loss caused by an incorrect forecast.



ALARM SET:

- **ALARM HOUR:** Press and hold ALARM button to enter alarm time setting mode. The Alarm Hour will flash. Use the UP or DOWN button to set the Hour. Press and release the ALARM button.
- **ALARM MINUTE:** The Alarm Minutes will flash. Use the UP or DOWN button to set the Minutes. Press and release the ALARM button to exit.

ALARM ACTIVATION:

- Press and release the ALARM button once to show Alarm Time.
- Press and release the ALARM button repeatedly to activate or deactivate the Alarm. The alarm icon will appear when alarm is activated.

SNOOZE:

- When the alarm sounds, press the SNOOZE button to trigger snooze alarm for 9 minutes. The alarm icon will flash when the snooze feature is active.

- To stop alarm for one day, press AL button, while in snooze mode. The alarm icon will remain solid.

- **NOTE:** When the alarm sounds, it continues for 2 minutes and then shuts off completely.

FAHRENHEIT/CELSIUS:

Display: Press and release the C/F button once to switch from Fahrenheit to Celsius.

MIN/MAX TEMPERATURE/HUMIDITY:

VIEW MIN/MAX:

- **INDOOR:** When Indoor Temperature/Humidity is displayed, press the MAX/MIN button to view MAX, MIN and Current Indoor temperature/humidity.
- **OUTDOOR:** When Outdoor Temperature/Humidity is displayed, press the MAX/MIN button to view MAX, MIN and Current Outdoor temperature/humidity.

RESET MIN/MAX: Hold the MIN/MAX button for 5 seconds to reset all min/max values.

HEAT INDEX AND DEW POINT:



INDOOR: When Indoor Temperature/Humidity is displayed, press the HEAT/DEW button and Indoor Heat Index and Indoor Dew Point will show briefly in the date display area.

OUTDOOR: When Outdoor Temperature/Humidity is displayed, press the HEAT/DEW button Outdoor Heat Index and Outdoor Dew Point will show briefly in the date display area.

AUTO SWITCH INDOOR/OUTDOOR DATA:

Press the AUTO button one time to enable the auto switch feature. This feature allows the station to alternately display indoor temperature/humidity and outdoor temperature/humidity every 10 seconds. The word AUTO will appear in the lower right display when this feature is active. Press and release the AUTO button to turn the feature off again.

BACKLIGHT:

A/C adapter: The backlight can be on continuously when operation with the 6-volt a/c adapter.

- **OFF:** Hold the LIGHT ON/OFF button for 5 seconds to turn off the backlight, to sleep.
- **ON:** Hold the LIGHT ON/OFF button again to turn the backlight on.

Battery power: The backlight will light for 8 seconds when operating on batteries only.

LOW BATTERY:

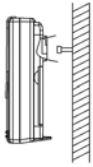
It is recommended to replace the batteries in all units every 12 months to ensure optimum accuracy of this unit. A low battery icon will display next to the outdoor temperature when the transmitter batteries are low and next to the indoor temperature when the batteries in the weather station are low.

MAINTENANCE

- Do not expose the display to extreme temperatures, vibration or shock. Keep dry.
- Clean it with a soft damp cloth. Do not use solvents or scouring agents.
- The product is not a toy. Keep it out of reach of children.
- The product is not to be used for medical purpose or for public information, but is determined for home use only.
- The specifications of this product may change without prior notice.
- Improper use or unauthorized opening of housing will void the warranty.
- If the unit does not work properly, change the batteries.

POSITIONING THE OUTDOOR TEMPERATURE SENSOR

The remote temperature sensor should be mounted vertically to avoid damage.



WALL MOUNT

- Install one mounting screw (not included) into a wall within transmission range of the weather station, leaving approximately 3/16 of an inch (5mm) extended from the wall.
- Place the transmitter onto the screw, using the hanging hole on the backside.
- Gently pull the transmitter down to lock the screw into place.



NOTE: Always ensure that the transmitter locks onto the screw before releasing.

TABLE STAND

Set the transmitter upright on a table or desk.

NOTE: This is not recommended as the transmitter may blow over and be damaged.

To achieve a true temperature reading, avoid mounting where direct sunlight can reach the outdoor temperature sensor. It is recommended to mount the outdoor temperature sensor on a North-facing wall or in any well shaded area. The maximum transmitting range in open air is 200-feet (60 meters) obstacles such as walls, concrete, and large metal objects can reduce the range.

Place both units in their desired location, and wait approximately 10 minutes before permanently mounting the sensor to ensure that there is proper reception. The outdoor temperature sensor is not waterproof and should not be placed anywhere it will become submerged in water or subject to standing water or snow.

SPECIFICATIONS:

Indoor:

Temperature Range: 32° F to 122° F (0° C to + 50° C)
Humidity Range: 20%-99% (RH)
Interval: Every 10 seconds

Outdoor:

Temperature Range: -20°F to 140°F (-29°C to 60°C)
Humidity Range: 20%-99% (RH)
Distance: 200 ft (60 meters) RF 434MHz (open air)
Interval: Every 35 seconds

Adapter:

Receiver: 6-volt a/c power adapter (included)
Optional 3-AAA, IEC, LR3 alkaline batteries (not included).
Transmitter: 2-AAA, IEC, LR3 alkaline batteries (not included).

Dimensions:

Receiver: 6.29" L x 2.6" W x 4.17" H (160 x 66 x 106mm)
Transmitter: 2.55" L x 1.18" W x 3.5" H (65 x 30 x 90mm)

WARRANTY INFORMATION

La Crosse Technology, Ltd provides a 1-year limited warranty on this product against manufacturing defects in materials and workmanship.

This limited warranty begins on the original date of purchase, is valid only on products purchased and used in North America and only to the original purchaser of this product. To receive warranty service, the purchaser must contact La Crosse Technology, Ltd for problem determination and service procedures. Warranty service can only be performed by a La Crosse Technology, Ltd authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to La Crosse Technology, Ltd or La Crosse Technology, Ltd's authorized service center.

La Crosse Technology, Ltd will repair or replace this product, at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of La Crosse Technology, Ltd and must be returned to La Crosse Technology, Ltd. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer. La Crosse Technology, Ltd will pay all expenses for labor and materials for all repairs covered by this warranty. If necessary repairs are not covered by this warranty, or if a product is examined which is not in need or repair, you will be charged for the repairs or examination. The owner must pay any shipping charges incurred in getting the La Crosse Technology, Ltd product to a La Crosse Technology, Ltd authorized service center. La Crosse Technology, Ltd will pay ground return shipping charges to the owner of the product to a USA address only.

The La Crosse Technology, Ltd warranty covers all defects in material and workmanship with the following specified exceptions: (1) damage caused by accident, unreasonable use or neglect (including the lack of reasonable and necessary maintenance); (2) damage occurring during shipment (claims must be presented to the carrier); (3) damage to, or deterioration of, any accessory or decorative surface; (4) damage resulting from failure to follow instructions contained in the owner's manual; (5) damage resulting from the performance of repairs or alterations by someone other than an authorized La Crosse Technology, Ltd authorized service center; (6) units used for other than home use (7) applications and uses that this product was not intended or (8) the products inability to receive a signal due to any source of interference.. This warranty

covers only actual defects within the product itself, and does not cover the cost of installation or removal from a fixed installation, normal set-up or adjustments, claims based on misrepresentation by the seller or performance variations resulting from installation-related circumstances.

LA CROSSE TECHNOLOGY, LTD WILL NOT ASSUME LIABILITY FOR INCIDENTAL, CONSEQUENTIAL, PUNITIVE, OR OTHER SIMILAR DAMAGES ASSOCIATED WITH THE OPERATION OR MALFUNCTION OF THIS PRODUCT. THIS PRODUCT IS NOT TO BE USED FOR MEDICAL PURPOSES OR FOR PUBLIC INFORMATION. THIS PRODUCT IS NOT A TOY. KEEP OUT OF CHILDREN'S REACH.

This warranty gives you specific legal rights. You may also have other rights specific to the State. Some States do not allow the exclusion of consequential or incidental damages therefore the above exclusion of limitation may not apply to you.

For warranty work, technical support, or information contact:

La Crosse Technology, Ltd
2817 Losey Blvd. S.
La Crosse, WI 54601

The complete instruction manual is available at:
www.lacrossetechnology.com/308-805
Le manuel d'instruction complet est disponible sur:
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El manual de instrucciones completo está disponible en:
www.lacrossetechnology.com/308-805



Contact Support: 1-608-782-1610

Product Registration:
www.lacrossetechnology.com/support/register



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) the device must accept any interference received, including interference that may cause undesired operation.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER AUTHORITY TO OPERATE THE EQUIPMENT

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