LA CROSSE®
TECHNOLOGY

Wireless Weather Station with Bluetooth Speaker and Atomic Time & Date
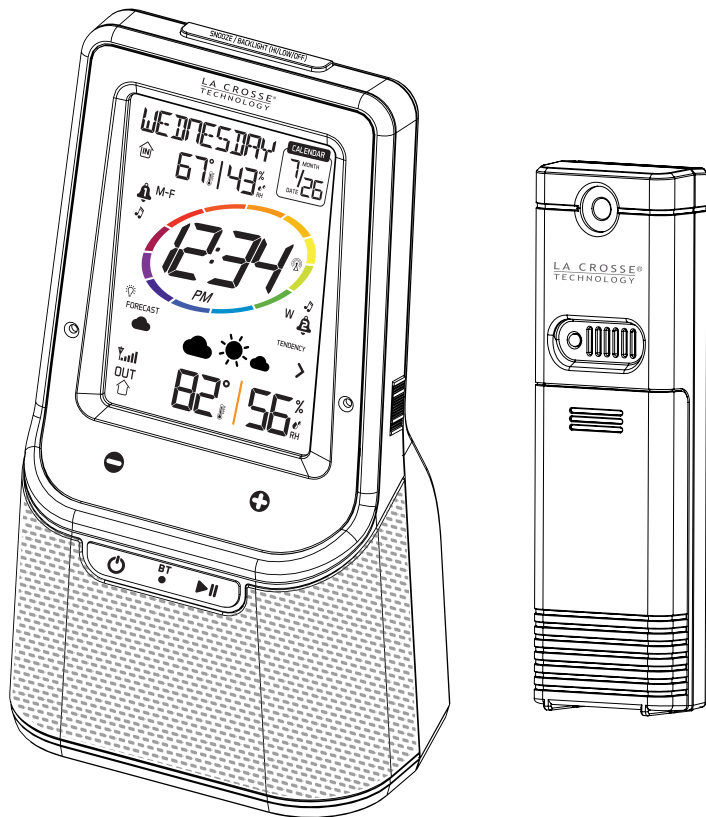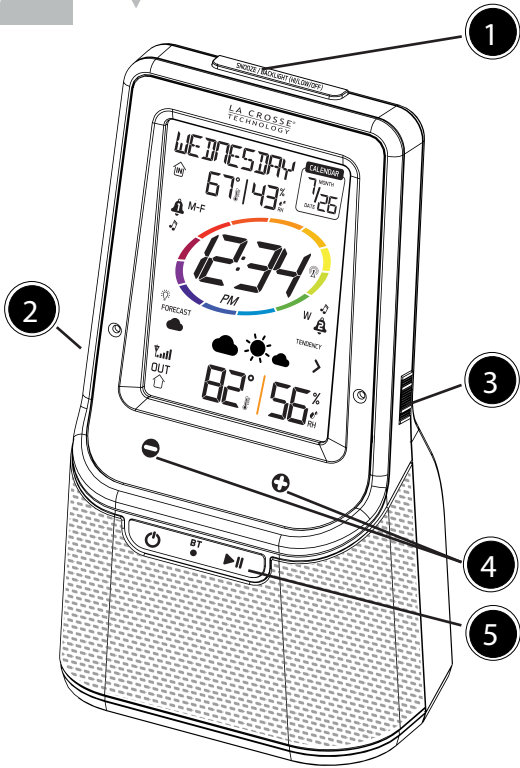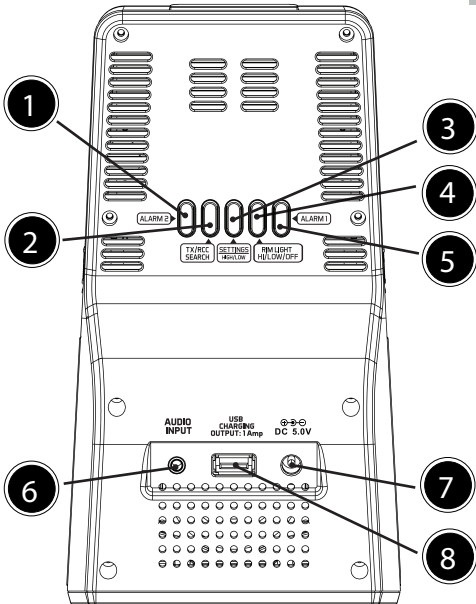

Table Of Contents

Button Location

Front Buttons

① Snooze/Backlight
② Alarm 1 On/Off
③ Alarm 2 On/Off
④ Volume Buttons
⑤ Front Buttons
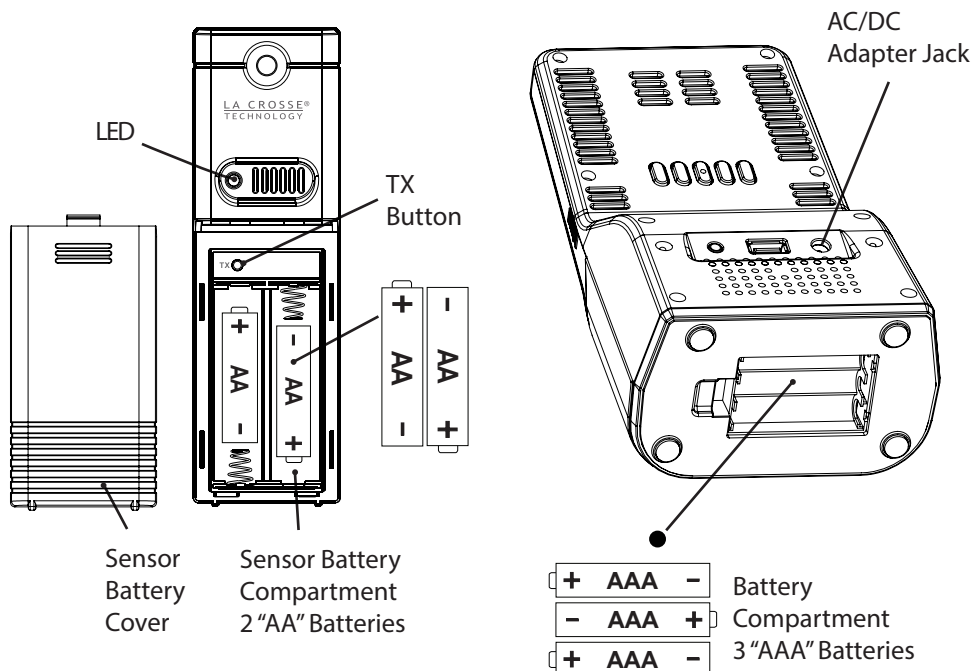   - Bluetooth Power
   - Play/Pause

Back View

Back Buttons

① Alarm 2
② TX/RCC Search
③ Settings
④ Rim Light
   HI/LOW/OFF
⑤ Alarm 1

⑥ Audio Input
⑦ AC/DC
   Adapter Jack
⑧ USB Charging Port
   1 Amp Output

Outdoor Sensor
TX141TH-BV2

Bottom View

LED

TX Button

AC/DC Adapter Jack

Sensor Battery Cover

Sensor Battery Compartment 2 "AA" Batteries

Battery Compartment 3 "AAA" Batteries

Initial Setup

Step 1: Insert the 5 volt AC adapter (included) into the wall outlet then into the weather station.

Step 2 (optional): Insert 3 new "AAA" Alkaline batteries (not included) into the weather station to maintain time during power loss.

Note: Check that battery polarity is correct.

Step 3: Insert 2 new "AA" batteries (not included) into the TX141TH-BV2 outdoor sensor. The red LED will flash during transmission.

Note: Check that battery polarity is correct.

Step 4: After 5 minutes, place the sensor outside.

If the outdoor temp is not displayed after three minutes, press and release the TX/RCC button to search for sensor. Press the TX button on the sensor to send a signal.

LCD Layout
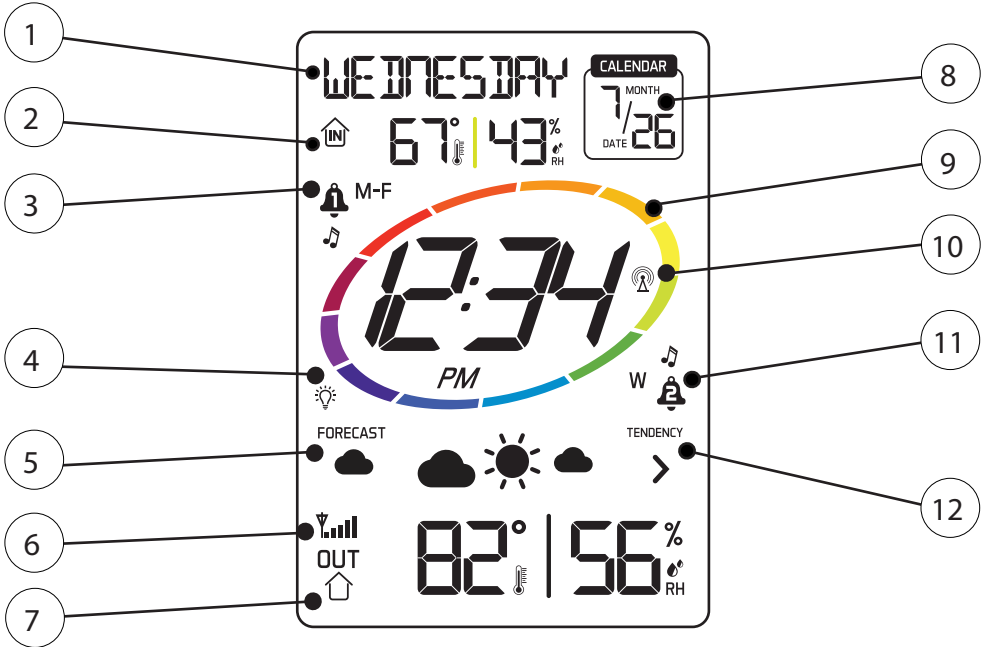
1 — WEDNESDAY
Day of the week

2 — IN
Indoor Temperature + Humidity

3 — 🔔 M-F ♪
Alarm 1 Icons

4 — 💡
Rim Light Indicator

5 — ☁️☀️
Forecast Icons

6 — 📶
Outdoor Sensor Signal Strength

7 — OUT ⌂
Outdoor Temperature + Humidity

8 — CALENDAR 7/26 MONTH DATE
Calendar Month/Date

9 — Animated Color Circle

10 — Atomic Time Icons Shows when signal is received

11 — W 🔔 Alarm 2 Icons

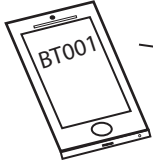**12** — TENDENCY ❯ Forecast Tendency

Bluetooth 2.1 Operation

Step 1:
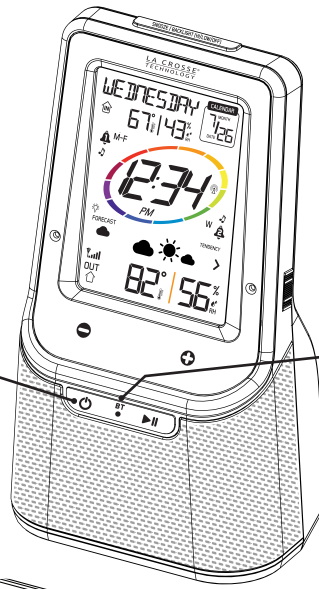Hold the Bluetooth Power Button for a few seconds to start syncing

Step 2:
Activate Bluetooth on mobile device
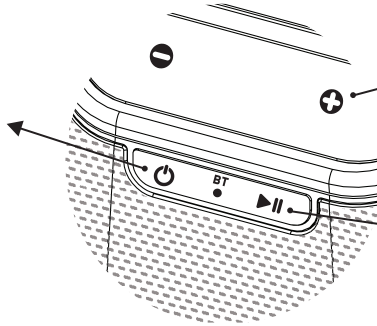
Look for this name: BT001

Step 3:
Play your music from your mobile device. Adjust volume if necessary.

Press the button to disconnect

Note: connection clarity will vary based on Apps used to play music

The LED will flash red and blue alternately when syncing and blue when connected.

Touch to adjust the volume

Press to pause and play music

Press and hold for 3 seconds, will disconnect the BT connection

Note: If a phone call is made or received, the bluetooth connection will be temporarily interrupted. It will automatically reconnect after the call.

Note: If the weather station is unplugged briefly and is plugged in again, the weather station will lose Bluetooth connectivity.

Audio Input Jack

• Insert your audio input cable (not included) into audio input jack on the back of the weather station to listen to music. Hold the power button until you see a purple light flash once. Then the sound will come thru the speaker.
• Use the ⊖ or ⊕ on front to adjust the volume (10 levels).

Audio Input
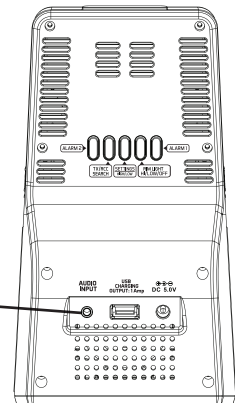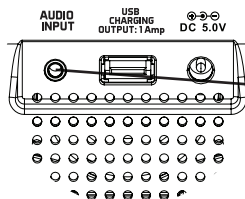
Settings

1. Hold the SETTINGS button on the back for three seconds to enter set mode.
2. Press the ⊖ or ⊕ on the front to adjust the values.
3. Press the SETTINGS button to confirm adjustments and move to the next item.

Note: Press the SNOOZE/BACKLIGHT button on the top to exit at anytime.

Time Setting Order:

1. Beep On/Off
2. Atomic time signal (On/Off)
3. Time Zone
4. DST (Daylight Saving Time On/Off)
5. Hour
6. Minutes
7. Year
8. Month
9. Date
10. Fahrenheit/Celsius

Note: When atomic OFF is selected, you skip items 3 and 4 and go straight to Hours.

Time Zone	
AST	Atlantic
EST	Eastern
CST	Central
MST	Mountain
PST	Pacific
AKT	Alaska
HAT	Hawaiian

Note: Weekday will set automatically.
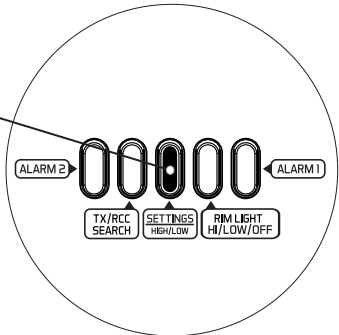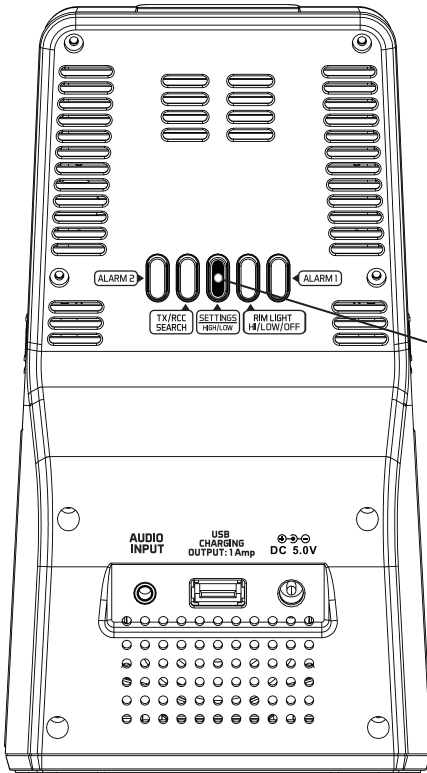
Press the Settings Button to set each setting.

Time Alarm Options (Single, M-F or Weekend) and Sound

Your weather station has two separate alarms (1& 2). Each alarm has different options for alarm type, sound, and volume of alarm.

Time Alarm Settings

1. Hold the ALARM 1 or ALARM 2 button to enter alarm setting mode.
2. Press the ⊖ or ⊕ button to adjust the values.
3. Press the ALARM 1 or ALARM 2 button to confirm & move to the next item.
Note: Press the SNOOZE/BACKLIGHT button on top to exit at anytime.
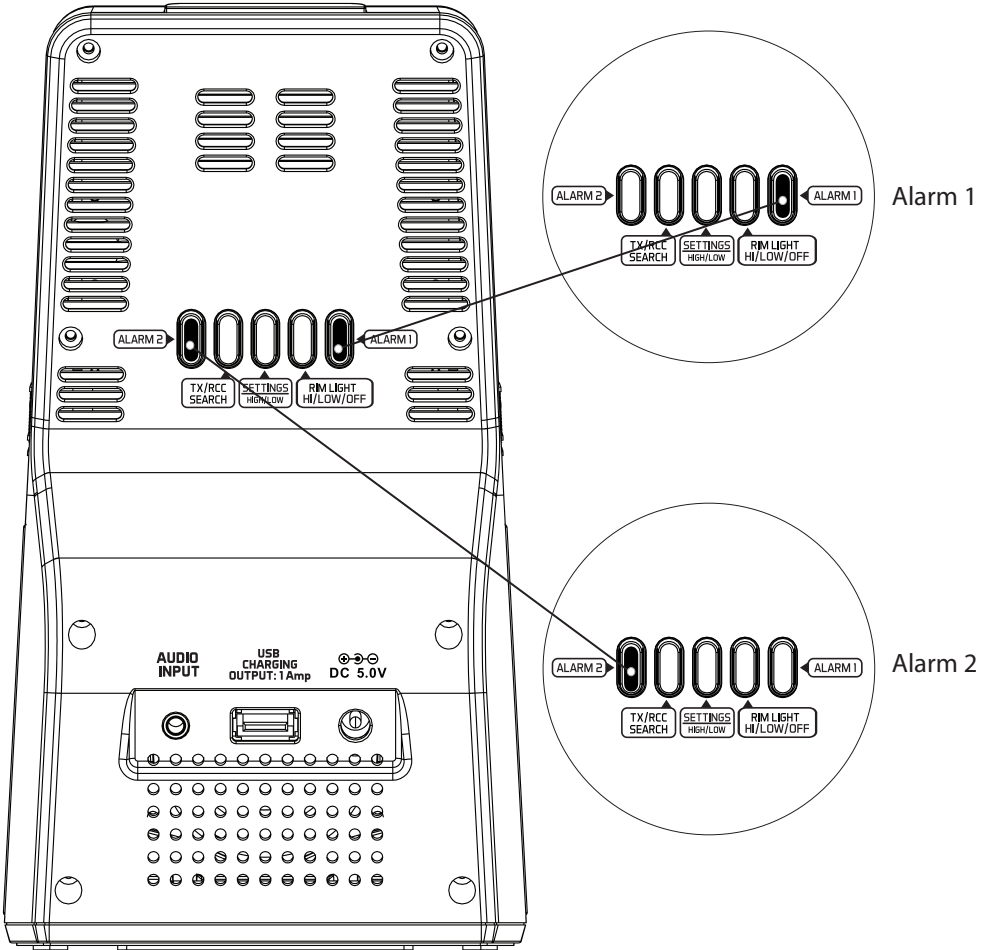
Note: Alarm only works with AC Power Adapter.

Alarm Setting Order

1. Alarm Time
2. Alarm Type
3. Alarm Sound

Note: After 20 seconds with no buttons pressed, the weather station will return to the live time display.

Alarm Time
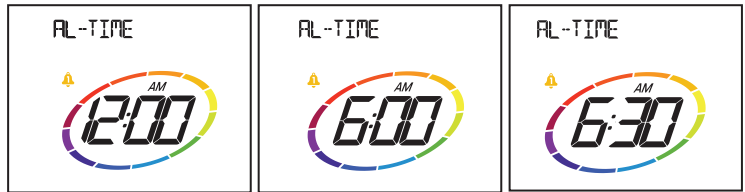
AL-TIME	AL-TIME	AL-TIME
12:00 AM	6:00 AM	6:30 AM
	Adjust Hour	Adjust Minutes

Alarm Type
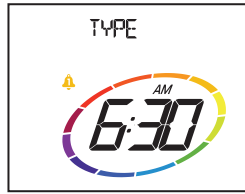
TYPE
6:30 AM

Select Alarm Type

Alarm Type	Icon
Monday-Friday	🔔 M-F
Weekend Only	🔔 W
Single or Day	🔔

Press ⊕ to change type of alarm. Type of alarm will blink when displayed.

TYPE	MON-FRI	WKND	SINGLE
6:30 AM	6:30 AM M-F PM	6:30 AM W PM	6:30 AM PM
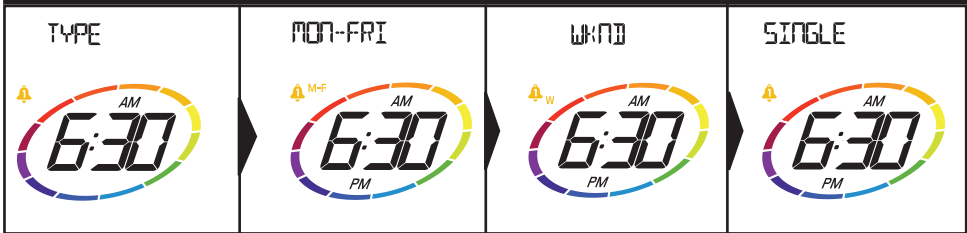
Alarm Sound

SOUND
—

Alarm Sound	Number
Birds	1
Music	2
Sound	3
Beep	4

Press ⊕ to change type of sound. Sound will blink when displayed.

SOUND	SOUND	SOUND	SOUND	SOUND
—	1	2	3	4
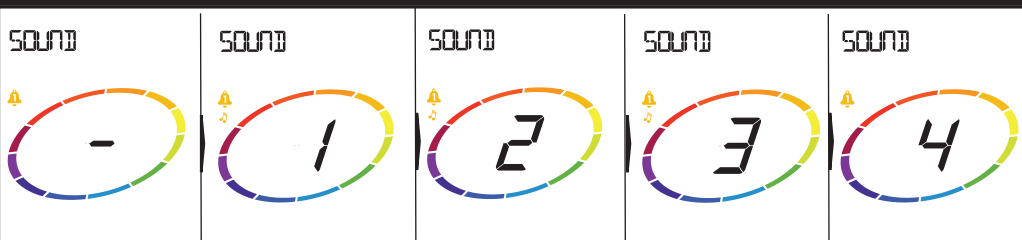
Note: the sound will sample as a number is selected. Select what sound to play during alarm.

Activate/Deactivate Time Alarm

• Slide the Alarm 1 switch on the left side, up to activate or down to deactivate.
  A white dot will show on the front when active.
• Slide the Alarm 2 switch on the right side, up to activate or down to deactivate.

Alarm 1
Indicator

Alarm 2
Indicator

White dot
will show
on the front
when active

Alarm 1
Switch

Alarm 2
Switch

The Switches

ON

OFF

(Left View)

(Right View)
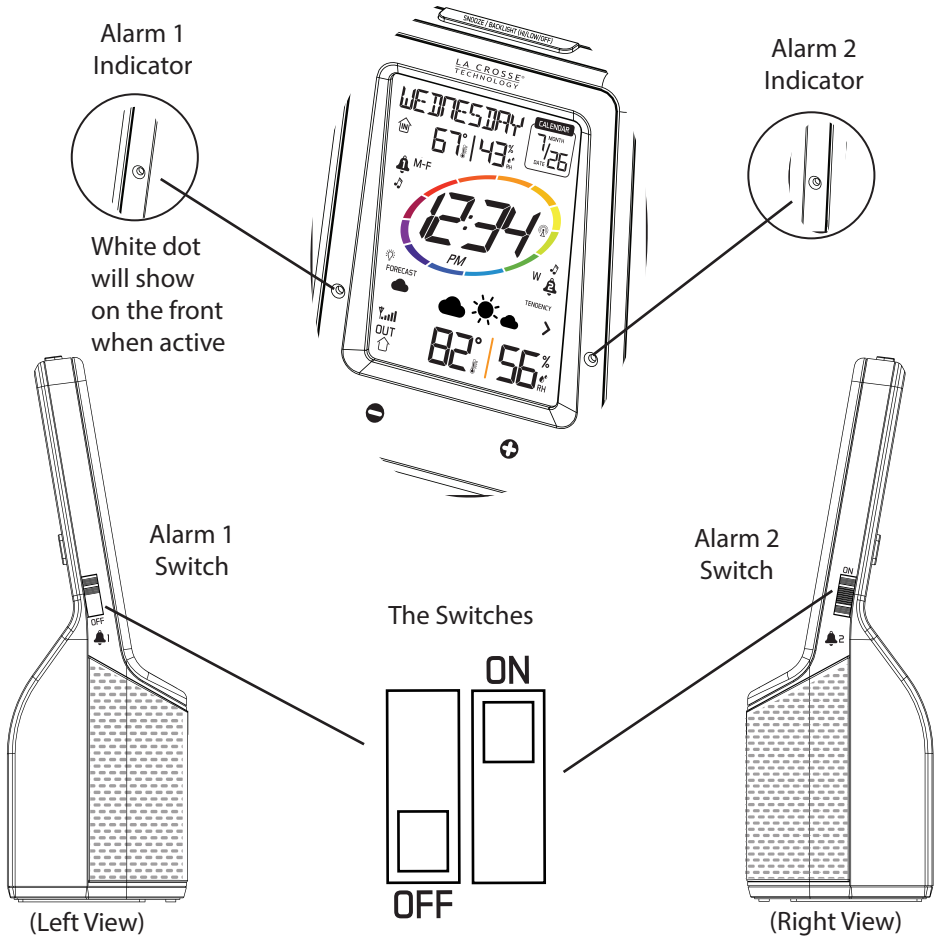
Snooze (Silences Alarm Temporarily)

• Press the SNOOZE/BACKLIGHT button on the top to trigger snooze for 10 minutes.
• To stop alarm for one day, press any button but SNOOZE/BACKLIGHT button
  while in snooze mode. The alarm icon will show solid.

Note: It is a crescendo alarm. The alarm will start in low volume and increase to
max volume in 5 minutes.

Colored LED Rim (Bottom of Weather Station)

The bottom rim light of the weather station can be programmed to change color based on Weather Forecast, user selection of one color, or on a loop of all colors.

Color LED Rim

LED Rim Light Button:

Press RIM LIGHT HIGH/LOW/OFF button to adjust from hi to low and turn off.

ALARM 2

ALARM 1

TX/RCC SEARCH   SETTINGS HIGH/LOW   RIM LIGHT HI/LOW/OFF

Use the settings menu to set rim light mode.
1. Hold the RIM LIGHT button on the back for 3 seconds until the word Light appears on the screen.
2. Scroll through the Rim light options by pressing ⊖ and ⊕
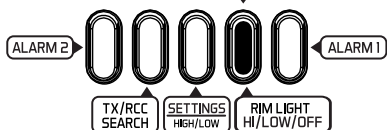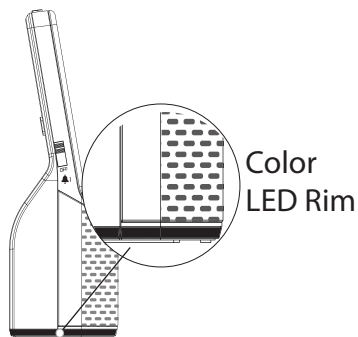3. Select one of the three options: rim light changing with forecast, manual loop, and manual color. Press RIM LIGHT button to set the rim light option.

RIM LIGHT MODES (Option will blink when displayed)			
LIGHT	Mode1 FORECAST Forecast	Mode 2 LOOP Manual: Loop	Mode 3 COLOR Manual: Color
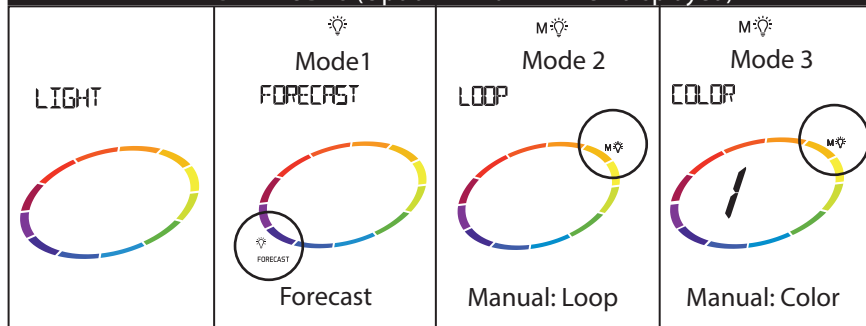
Color Changes According to Forecast:

Weather Forecast	Color
Sunny	Yellow
Partly Sunny	Green
Cloudy	Purple
Rainy	Dark Blue
Thunderstorm	Red
Snow	White

Note: When a time alarm is sounding, the rim light will flash unless turned off.

Note: When searching for the Atomic time signal, the backlight and rim light will turn off for a short period.

Description of each option

Forecast
Rim Light only changes with forecast.

Manual Loop
(the rim light will cycle all 7 colors) Rim light will change colors every 5 seconds.

Manual: Color
One Color Constant
(Select on of 7 colors)
1. Red   5. Blue
2. Yellow   6. Purple
3. Green   7. White
4. Cyan

USB Charging Port

Charge a smartphone, camera or other USB devices when the weather station is operated with the 5V AC adapter (included).

Note: This is a power-output charging port. It does not supply power to the weather station.

- Connect your external device's USB charging cable (not included) to the USB charging port.
- Charging times will vary.
- USB Power Output: 1A maximum current. Charge 1A devices or devices that are self-regulating.

USB CHARGING OUTPUT: 1 Amp

AUDIO INPUT **USB CHARGING OUTPUT: 1 Amp** **DC 5.0V**

Backlight Adjustment

When using AC power:
- Must operate with AC adapter to have a constant backlight.

- Press the SNOOZE/BACKLIGHT button to adjust the backlight.

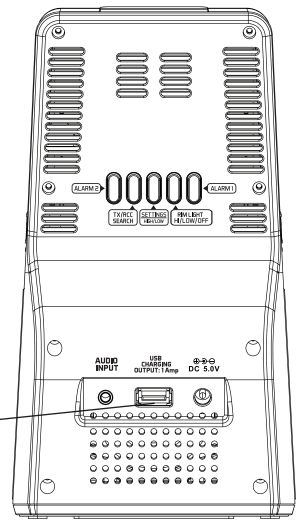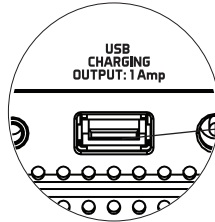When using Battery power only:
- Press the SNOOZE/BACKLIGHT button for a 10 second backlight.

Note: When searching for the atomic time signal, the backlight and rim light will turn off for a short period.

SNOOZE / BACKLIGHT (HI/LOW/OFF)
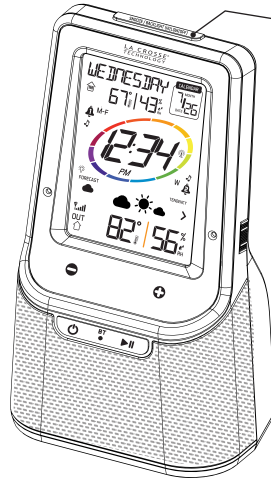
Animated Color Circle (Every 5 Seconds)

- The animated color circle surrounding the time has twelve sections.
- Every five seconds, a new section will light up until all sections are lit after sixty seconds.
- The animation is not programmable.

5 seconds	15 seconds	30 seconds	60 seconds

Forecast Information

Forecast icons use changing atmospheric pressure to predict weather conditions for the next 12 hours with 70-75% accuracy.When Outdoor temperature is below 32°F and the forecast is Rainy or Thunderstorm, the LCD will display snowy.

Sunny
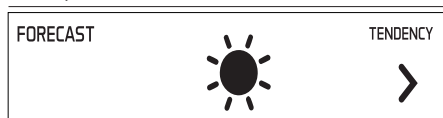
Partly Cloudy

Cloudy

Rainy

Thunderstorm

Snowy

Intelligent Weather Forecast

This station learns; please allow 7 to 10 days for barometric calibration. This will ensure an accurate personal forecast for your location.

Forecast Tendency Indicators

Rising Pressure	Steady Pressure	Falling Pressure
Weather is Expected to Improve	Weather is Expected to Stay the Same	Weather is Expected to Worsen

Low Battery Icon

The Low battery icon indicates low battery for your station or sensor.
• If the icon is displayed in the outdoor section, replace batteries in the outdoor sensor.
• If the icon is displayed in the indoor section, replace batteries in the weather station.

View and Reset High/Low Values

The station automatically resets the HIGH/LOW values daily at midnight (12:00AM).
• Press the HIGH/LOW button to view maximum values.
• In HIGH mode, hold HIGH/LOW button for five seconds to manually reset
  maximum values.
• Press the HIGH/LOW button to view minimum values.
• In HIGH/LOW mode, hold the HIGH/LOW button
  five seconds to manually reset minimum values.

HIGH/LOW Button

ALARM 2   ALARM 1

TX/RCC SEARCH   SETTINGS HIGH/LOW   RIM LIGHT HI/LOW/OFF

Outdoor Sensor Signal Strength

• Press the TX-RCC SEARCH button to search for the sensor.
• The strength signal icon will animate until the sensor signal is received or for 3
  minutes if no signal available.

Sensor Strength Icon

TX/RCC SEARCH

ALARM 2   ALARM 1

TX/RCC SEARCH   SETTINGS HIGH/LOW   RIM LIGHT HI/LOW/OFF

Outdoor Sensor Positioning

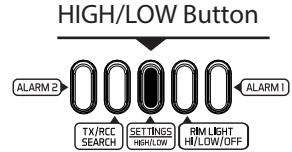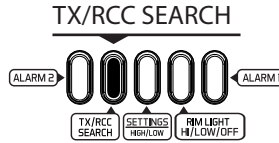• Mount the outdoor sensor on a north-facing wall or in any well shaded
  area. Under an eave or deck rail is preferred.
• The maximum wireless transmission range to the weather station is over 300
  feet (91 meters) in open air, not including walls or floors.
• Be sure the outdoor sensor is mounted vertically.

Restart: When the outdoor readings show dashes:
• Bring the sensor in the house five feet from the weather station.
• Remove batteries from the sensor, as well as, the batteries and AC adapter
  from the weather station.
• Press any button 20 times.
• After 15 minutes insert batteries into the sensor, as well as batteries and AC
  adapter into the weather station.
• Wait 15 minutes to establish a strong connection. Place sensor outside in
  shaded location.

WWVB Atomic Time Signal Search   —   Atomic Icon

• Hold the TX/RCC SEARCH button for two seconds, to start or stop a manual
  atomic signal search. The Atomic Time Icon flashes during signal search.
• For information about WWVB visit:
   http://www.nist.gov/pml/div688/grp40/wwvb.cfm.

Note: When searching for the Atomic time signal, the backlight and rim light will
turn off for a short period.

Care and Maintenance

• Do not mix old and new batteries
• Do not mix Alkaline, Standard, Lithium or Rechargeable Batteries
• Always purchase the correct size and grade of battery most suitable for
  the intended use.
• Replace all batteries of a set at the same time.
• Clean the battery contacts and also those of the device prior to
  battery installation.
• Ensure the batteries are installed correctly with regard to polarity (+and -).
• Remove batteries from equipment which is not to be used for an
  extended period of time.
• Remove expired batteries promptly.
• Do not expose to extreme temperature, vibration or shock.
• Clean 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.
  It is intended for home use only.
• The specs of this product may change without prior notice.
• Improper use or unauthorized opening of housing voids warranty.
• If the product is not working properly, change the batteries and/or check
  the AC adapter connection.
• Replace batteries every 12 months.

Warranty and Support Information

La Crosse Technology, Ltd. provides a 1-year limited time warranty (from date of purchase) on this product relating to manufacturing defects in materials & workmanship.

Before returning a product, please contact our friendly customer support with questions or visit our online help (FAQS):

Phone: 1-608-782-1610

Online Product Support: www.lacrossetechnology.com/support

Product Registration: www.lacrossetechnology.com/support/register
View full warranty details online at:
www.lacrossetechnology.com/warranty_info.pdf

Warranty Address: Protected under U.S. Patents:
La Crosse Technology, Ltd   5,978,738|6,076,044|RE43903
2830 S. 26th St.
La Crosse, WI 54601

Specifications	
Indoor	• Temperature Range: 32°F to 122°F (0°C to 50°C) • Humidity Range: 10% - 99% (RH)
Outdoor	• Temperature Range: -40°F to 140°F (-40°C to 60°C) • Alkaline Batteries: -20°F to 140°F (-29°C to 60°C) • Lithium Range: -40°F to 140°F (-40°C to 60°C) Note: Temperatures below - 20°F (-29°C) require Lithium batteries in the outdoor sensor • Humidity Range: 10% - 99% (RH) • Humidity Range: Over 300 ft. (91 meters) RF 433MHz (open air)

Power	• Bluetooth Weather Station Primary AC Power:
	  5-volt AC power adapter (included) AC#: HX18-0502500-AU
	• Optional/Battery Backup:
	  Optional 3-AAA, IEC, LR3 batteries (not included)
	• TX141TH-BV2 Sensor:
	  2-AA, IEC, LR6 batteries (not included)

Battery Life	• Bluetooth Weather Station Battery Backup: Battery life is over 12 months when using the AC adapter for primary power. • TX141TH-BV2 Outdoor Sensor: Battery life is over 24 months when using reputable battery brands for both Alkaline and Lithium batteries.
Bluetooth	• Bluetooth Protocol: A2DP, AVRCP, HFP, HSP • Bluetooth Connection: BT001 • Bluetooth Range: 32 feet, 10 meters (open air, no obstructions) • Bluetooth Frequency: 2.400GHz-2.480GHZ

Dimensions	• Bluetooth Weather Station: 8.33 x 4.61 x 2.85"
	  (211.6 x 117.1 x72.4mm)
	• TX141TH-Bv2 Outdoor Sensor: 1.57"L x 0.82"W x 5.12"H
	  (40 x 21 x 130mm)

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

This device must not be co-located or operating in conjunction with any other antenna or transmitter. 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.

Caution!

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.

All rights reserved. This manual may not be reproduced in any form, even in part, or duplicated or processed using electronic, mechanical or chemical process without the written permission of the publisher.

This booklet may contain errors or misprints. The information it contains is regularly checked and corrections are included in subsequent editions. We disclaim any responsibility for any technical error or printing error, or their consequences.

All trademarks and patents are recognized.