BaLDR B0359WST2H2PR Wireless Color Weather Station with Temperature Alerts User Manual
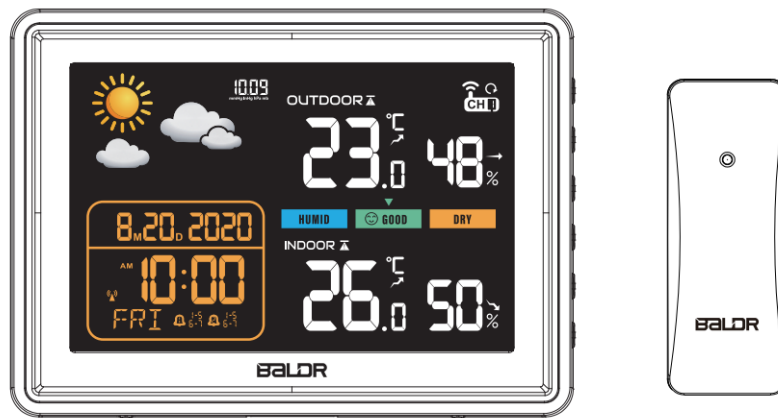
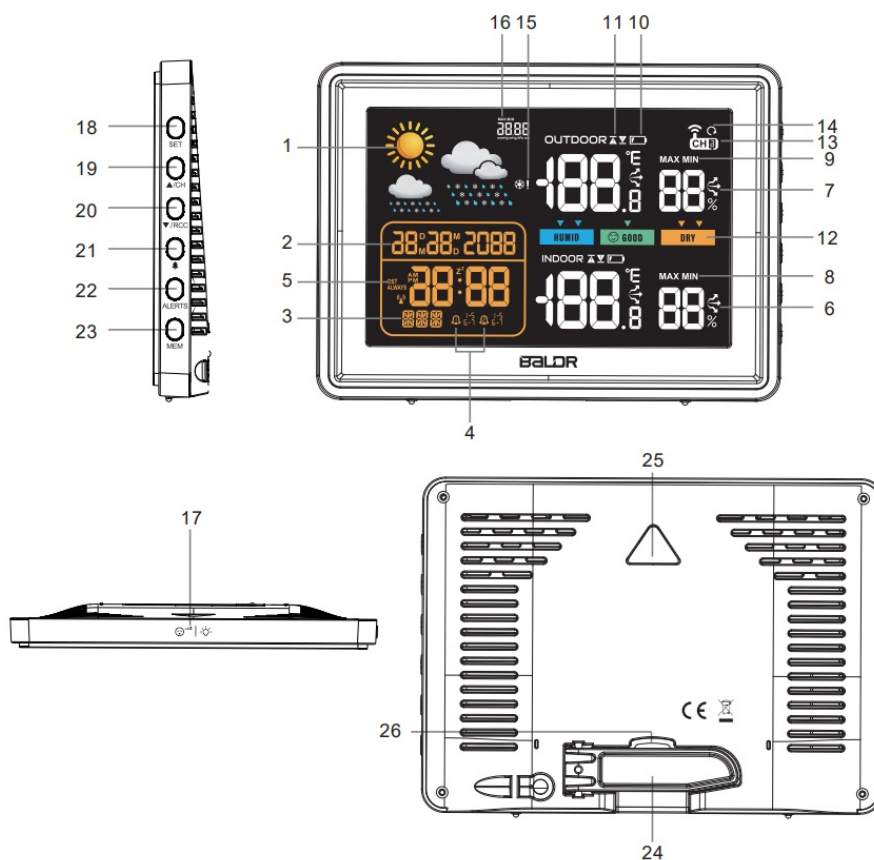**B0359WST2H2PR Wireless Color Weather Station with Temperature Alerts
User Manual**

We thank you for your purchase of the Baldr wireless color weather station with temperature alerts. It has been designed and constructed using innovative components and techniques to enable the perfect display. Please read the instructions carefully to become familiar with the properties and functions before you use the unit.
For the start-up of this device: Main unit by AC adaptor (included) and 1x CR2032 (included) Sensor by 2 x AA batteries (not included)

Contents

PRODUCT OVERVIEW

MAIN UNIT

1. **Weather forecast** for next 12-24 hours

2. Calendar display

3. Weekdays in 7 languages

4. Dual alarm function

5. Current time 12/24 hour format selectable

6. Indoor temperature and humidity

7. Outdoor temperature and humidity

8. Max/min record of indoor temperature and humidity

9. Max/min record of outdoor temperature and humidity

10. Low battery indication

11. High/low-temperature warning

12. Indoor comfort level indication

13. Channel indication

14. Channel scan

15. Frost-point warning

16. Barometric pressure Barometer display in mmHg, inHg or hPa Mb with max/min record

17. " $\overset{\text{❝}}{}$ $\odot^{zzZ}$ | $-\overset{\shortmid}{\underset{\shortmid}{\bigcirc}}-$ " button

18. " SET " button Enter into the time setting

19. " ▲ / CH " button Switch C/F, Clear sensors data and re-registration or increase the data

20. " ▼ /RCC " button RCC function or decrease the data

21. " 🔔 " button Check or enter into alarm setting

22. " ALERTS " button Check or enter into temperature alerts setting

23. " MEM " button Check or clear Max/min record

24. Stand bracket

25. Hang ing hole

26. Battery compartment 3

Notes:

1. The default year is 2020 if the weekday display is incorrect. Please confirm year was set correctly. (for manual setting only)

2. The CR2032 cell battery is for memory function (included), Please do not use it as a power supply. If you need to replace the cell battery, please take out the part device as shown in the figure below, load a new battery matching the polarity c+and-).

Pick out

Positive pole
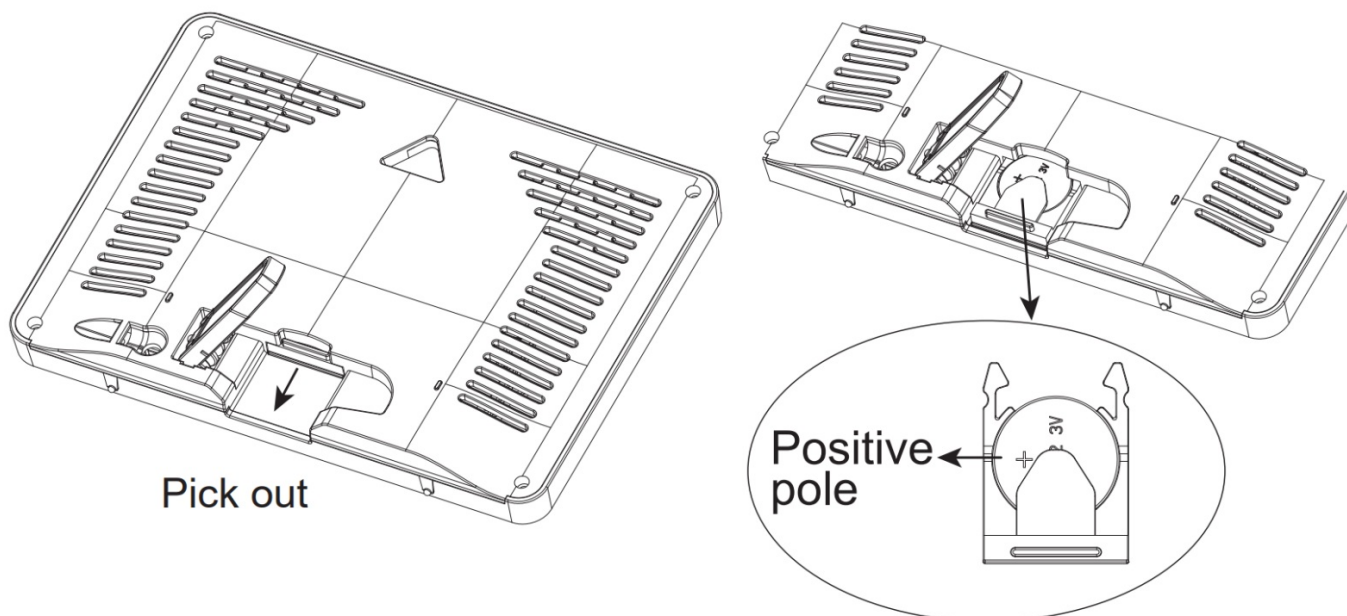
WARNING:

THIS PRODUCT CONTAINS A BUTTON-CELL BATTERY. IF SWALLOWED, IT COULD CAUSE SEVERE INJURY OR DEATH IN JUST 2 HOURS.SEEK MEDICAL ATTENTION IMMEDIATELY IF INGESTED.

OUTDOOR SENSOR
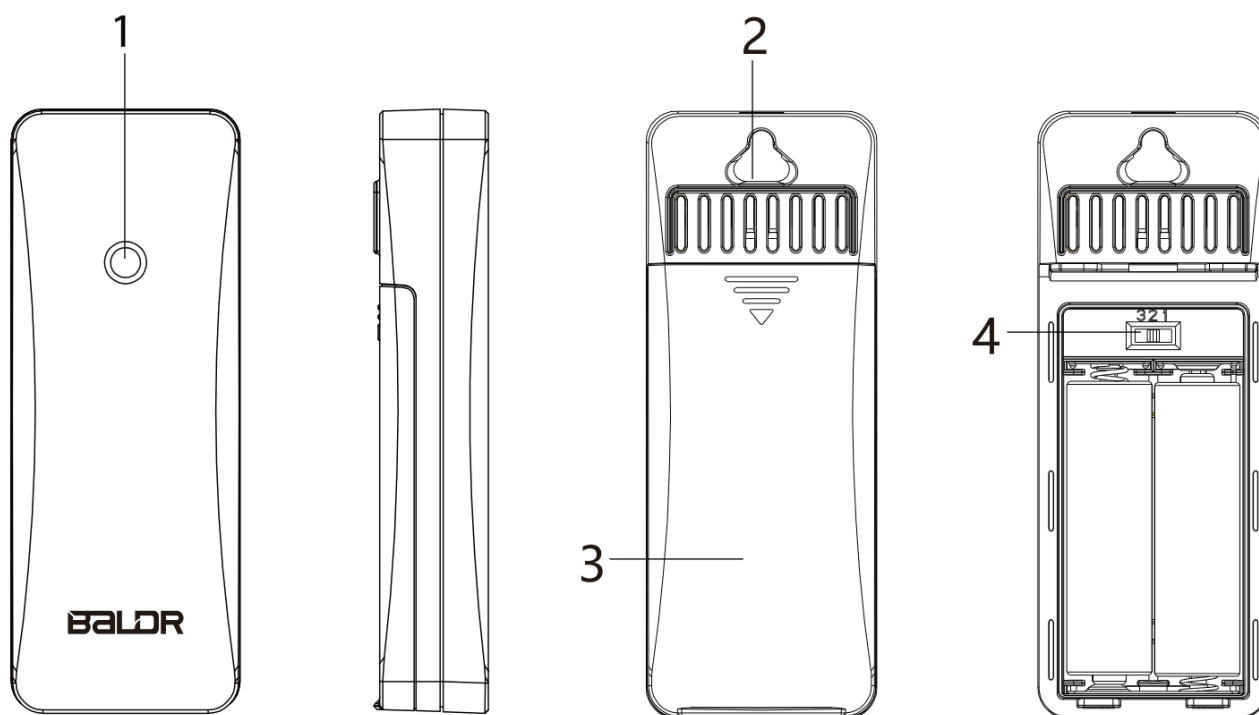
1. Signal light

2. Hanging hole

3. Battery compartment

4. Channel 1-2-3 switch

FEATURES

- WWVB atomic time
- Up to 3 RF channels for outdoor sensors (only one sensor included)

- Comfort level indication
- Calendar, alarm, and snooze function
- Time display in 12/24H
- Frost-point warning indication
- Temperature tendency display in arrows
- Weekdays in 7 languages: GER (German), ENG (English), FRE(French), ITA(Italian), SPA(Spanish), DUT(Dutch), DAN(Danish)
- Indoor and outdoor high/low-temperature warning
- Indoor temperature/humidity and barometric pressure value can be calibrated manually
- Key tone on or off selectable
- Weather forecast for next 12-24 hours with barometer
- Measures indoor/outdoor humidity and temperature (°F/°C)
- Max/min record of indoor /outdoor temperature & humidity
- Indoor temperature range: 14°F~122°F(-10°C~50°C)
- Outdoor temperature range: -40°F~140°F(-40°C~60°C)
- In/outdoor humidity range: 1%-99%
- White backlight with dimmer

PACKAGE CONTENT

Following contents are included in the package:

- 1 x Weather Station Main Unit
- 1 x Remote Sensor
- 1 x AC Adaptor
- 1 x CR2032 Cell Battery
- 1 x User Manual

GETTING START

BALDR recommends high-quality alkaline or lithium batteries for the best product performance. Heavy duty or rechargeable batteries are not recommended.

MAIN UNIT INSTALLATION

Remove the cell battery's Insulating strip , then plug the adaptor to a powered outlet.

SENSOR INSTALLATION

1. Remove the battery compartment cover;
2. Insert 2 x AA batteries in each sensor matching the polarity c+and-);
3. Replace the battery cover.

SENSOR SETUP

- Switch the Channel 1-2-3 of the senor to any channel you want. For example, you can set to Channel 1 for the sensor. But please ensure the main unit is set to the same channel before synchronization.
- Special note: Press the "▲/ CH" button on the main unit to set the channel. The setting order is CH1–CH2–CH3-Channel scan(from CH1 to CH2 to CH3, 10 seconds intervals), you must select the same number choices for both the sensor and the main unit in order to synchronize.
- Power the main unit prior to loading the battery of the sensor.

Notes:

1. the Main unit will auto receive an outdoor signal after power on, the receiving status will last for max 3 minutes. The receiving antenna signal will flash. If no signal is received in 3 minutes, it will stop receiving outdoor signals.
2. If the main unit is out of 3 minutes signal receiving window, you need to press and hold the "▲/ CH " button to enter signal receiving again.

MAIN UNIT SETUP

When power is on or reset, LCD will fully display for 3 seconds with "BI" sound. Then display Indoor temperature and humidity, barometric pressure.
The default value is :

Pressure Unit	Weekday Language	Beep	Display Time	Date Format
inHg	ENG	ON	AM 12:00 (12H format)	M/D

Display Date	Temperature Temp Unit	RCC Function
Jan 1st.2020	°F	ON

Zone	Weather	Alarm Time
-5 (EST)	Sunny To Cloudy	(From Monday to Friday) 7:00 (From Saturday to Sunday) 8:00 Alarm OFF

RF Signal Receiving
After power is on, It will start receiving outdoor sensors' signal for 3 minutes. If all 3 channels' signals are received within 3 minutes or receiving window ends, it will enter into the WWVB Signal Receiving window.

WWVB Signal Receiving

1. After RF signal receiving, it will start searching radio signal for 7 minutes with the antenna symbol " Δ "

flashing on the screen. Meanwhile, the backlight brightness will automatically turn to 3% brightness (default brightness: 100%).

2. Once the signal is received, the main unit will display the received time/ month/date/weekday with the symbol " "displayed on the screen.

3. Daily RCC signal receiving: there are regular radio signals receiving at UTC 7:00, 8:00, 9:00, 10:00, 11:00 each day. It starts receiving signals at UTC 7:00 every day. For each day, once the signal is received at any one receiving time, it will stop receiving a signal that day.

4. Manual receiving: press and hold the" ▼ /RCC " button to enter RCC signal receiving.

5. During receiving, no response if press other buttons, you can press and hold the" ▼ /RCC " button to exit RCC receiving.

* RCC symbol display: a. When receiving the signal, the RCC symbol " " will be flashing by"1HZ". b. When the signal is successfully received, LCD will display the complete RCC symbol " " and exit the RCC receiving. c. If no signal is received, the RCC symbol will disappear.

Manual Settings

1. After the signal is received, if there is no need for other settings, you can just finish reading here. If there is other setting requirements. Please check the following steps. Or if there is no signal received, you can follow the below steps for Manual Setting.

2. Press and hold the " SET " button to enter into the setting, press the" SET " button to skip setting steps or go to the next setting option.

   * Tips: press and hold the "▲/ CH " or " ▼/RCC " button will quickly change the value by 8 steps.

3. Press " SET " to select Weekday Language. Default setting: ENG. Press the "▲/ CH " or " ▼/RCC " button to select languages: ENGaGERaITAaFREaDUTaSPAaDAN optional. (English/German/Italian/French/Dutch/Spanish/ Danish)

4. Press " SET " to select Beep ON/OFF.Default setting: ON. Press the "▲/ CH " or " ▼/RCC " button to select ON/OFF.

5. Press " SET " to select the Barometric Unit. Default setting:inHg. Press "▲/ CH " or " ▼/RCC " button to select unit: mmHg, inHg or hPa MB optional.

6. Press " SET " to select Temperature Unit.Default setting°F.Press the "▲/ CH " or " ▼/RCC " button to select °C/°F.

7. Press " SET " to select the RCC. Default setting: ON. Press the "▲/ CH " or " ▼/RCC " button to select OFF or ON.

8. Press " SET " to select DST ON/OFF. Default setting: ON. Press "▲/ CH " or " ▼/RCC " button to select DST ON if you do observe Daylight Saving Time.
   * DST symbol display:

a. Select "DST ALWAYS", means DST function is always on all year-round.

b. Select "DST ", which means the DST function will be on during daylight saving time.

c. Select "DST OFF", means DST function is off.

9. Press " SET " to select Time Zone. Default setting : -5(EST). Press **"▲/ CH " or " ▼/RCC "** button to select time zone: AST(-4), EST(-5),CST(-6),MST(-7),PST(-8),AKT(-9),HAT(-10) optional. Time AST EST CST MST PST AKT HAT Zone Atlantic Eastern Central Mountain Pacific Alaskan Hawaiian

10. Press " SET " to select Year. Setting range: 2000-2099. Press **"▲/ CH " or " ▼/RCC "** button to adjust the value.

11. Press " SET " to select Month & Date display format. Default setting: M/D. Press the **"▲/ CH " or " ▼/RCC "** button to select M/D or D/M format. (M: Month,D: Date)

12. Press " SET " to select the Month. Press **"▲/ CH " or " ▼/RCC "** button to adjust the value.

13. Press " SET " to select the Date. Press **"▲/ CH " or " ▼/RCC "** button to adjust the value.

14. Press " SET " to select 12/24H Time Format. Default setting:12 H. Press the **"▲/ CH " or " ▼/RCC "** button to select 12H or 24H.

15. Press " SET " to select Hours. Press **"▲/ CH " or " ▼/RCC "** button to adjust the value.

16. Press " SET " to select Minutes. Press **"▲/ CH " or " ▼/RCC "** button to adjust the value.

17. Press " SET " to select Weather. Default setting: Sunny To Cloudy. Press **"▲/ CH " or " ▼/RCC "** to select weather : Sunny, Sunny To Cloudy, Cloudy, Rainy or Snow optional.

18. Press " SET " to confirm and exit.

19. During setting, touch the top button to save and exit the setting.

20. During setting, if no operation for 20 seconds, it will automatically save and exit the setting.

ALARM FUNCTION

Dual alarms for both weekdays and weekends: 1-5 (From Monday to Friday) ,6-7 (From Saturday to Sunday). Check Alarm Time

1. When in time display mode, press the" 🔔 " button to check the first alarm time 🔔 (1-5).

2. Press the " 🔔 " button again to confirm and move to the next alarm time. The checking order is 🔔 (1-5)→ 🔔 (6-7)→ 🔔(1-5)→ 🔔 (6-7) → Exit.

3. Touch top button to exit and return to time display mode. 4. If no operation for 5 seconds, it will automatically exit.

Alarm Time Setting

1. When in alarm time display mode, press the" 🔔 " button to select the alarm mode you want (the selecting order is 🔔 (1-5)→ 🔔 (6-7)→ 🔔(1-5)→ 🔔 (6-7) → then press and hold " " button to enter alarm time setting.

2. The setting order is Hour MinuteON/OFFExit.

3. Press " ▲/ CH " or " ▼/RCC " button to adjust the value. Hold to adjust quickly.

4. To set another three-alarm time, please repeat the above steps.

5. During setting, touch the top button to save and exit the setting.

6. During setting, if no operation for 20 seconds, it will automatically save and exit the setting.

7. The alarm symbol will display on the screen after setting.

SNOOZE FUNCTION

1. When the alarm is ringing, press any other button except the top button to stop the alarm. And the alarm will restart next day.

2. Or when the alarm is ringing, press the " " button to activate the snooze function. The alarm will ring again in 5 minutes snooze interval. And the " " symbol will be flashing on the screen to indicate the snooze mode. Press any other button except the top button to exit the snooze mode. And the alarm will restart next day.

3. When the alarm rings, the related alarm mode' symbol will flash, and ascending "Bibi" alarm sound will last for 2 minutes if no operation.

OPERATION GUIDELINES

MAX AND MIN RECORD

1. Press the "MEM" button to check outdoor and indoor max/min temperature and humidity.

2. The checking order is Max RecordMin RecordExit. The value will display for 5 seconds.

3. When in Max Record or Min Record display mode. Press and hold the "MEM" button to clear the max or min record.

4. Normally, the Max and Min record will update every 24 hours at 0:00.

5. Touch the top button any time to exit.

6. If no operation for 5 seconds, it will automatically exit.

TEMPERATURE

1. After power is on , the indoor temperature will display automatically, it will update the reading every 30 seconds and start to receive an outdoor signal which lasts for max 3 minutes.

2. Indoor temperature display range:14°F~ 122°F(-10°C~ 50.0°C); for temperature lower than 14°F,the reading will be :"LL.L"; for temperature higher than 122°F,the reading will be :"HH.H".

3. Outdoor temperature display range:-40°F~140°F(-40°C~60°C); for temperature lower than -40°F, the reading will be:"LL.L"; for temperature higher than 140°F,the reading will be:"HH.H".

4. Arrow indication for temperature changes: will display when the temperature changes less than 1.8°F within one hour or compared with last reading will display when the reading increase by 1.8°F within one hour or

compared with last reading. will display when the reading decrease by 1.8°F within one hour or compared with the last reading.

5. Accuracy: For temperature between 32°F~122°F, the accuracy is ± 1.8°F if out of this range the accuracy will be ± 3.6°F; Temperature resolution is 0.1°F(0.1°C).

6. Press the "SET " button to select the temperature unit °F/°C (Refer to Manual Settings point 6).

TEMPERATURE ALERTS Check and Turn ON/OFF Alerts

1. When in time display mode, press the "ALERTS " button to check temperature alerts.

2. Press and release the "ALERTS" button to check alerts by the order: Outdoor High-Temperature Alert Outdoor Low-Temperature Alert Indoor High-Temperature Alert Indoor Low-Temperature Alert Exit.Default setting: High-Temperature Alert: 95°F(35°C), Low-Temperature Alert: 50°F(10°C).

3. When in temperature alert display mode, press the "ALERTS " button to select the alert you want to turn on/off (alerts checking the order in the above step 2). Press "▲/ CH " or " ▼/RCC " " button to select ON or OFF. (Default setting: OFF)

4. The temperature alerts symbol will display on the screen after alerts are turned on.

5. Press any button to stop the alert sound when the alert rings.

6. Touch the top button any time to save and/or exit.

7. If no operation for 5 seconds, it will automatically save and/or exit.

Temperature Alerts Setting

1. When in time display mode, press and hold the "ALERTS " button to enter the temperature alerts setting. The temperature alert value will be flashing.

2. Alerts setting order: Outdoor High-Temperature Alert Outdoor Low-Temperature Alert Indoor High-Temperature Alert Indoor Low-Temperature Alert Exit.

3. Press the "▲/ CH " or " ▼/RCC " button to adjust the value. Hold to adjust quickly.

4. Press the "ALERTS" button to confirm and move to the next alert setting. 5. During setting, touch the top button to save and exit the setting.

5. During setting, if no operation for 20 seconds, it will automatically save and exit the setting.

Notes:

- When in channel scan display mode, check or set the alerts, it will automatically exit channel scan display mode.
- When in the current outdoor sensor channel, the alert symbol will continue flashing on the screen until alert value is out of alert range.
- Four temperature alert settings: indoor and outdoor 3 channels.

HUMIDITY

1. After power is on, the indoor humidity will display automatically, it will update the reading each 30 seconds and start to receive an outdoor signal which lasts for max 3 minutes.

2. Humidity display range: 1%-99%;for humidity lower than 1%,the reading will be "1%";for humidity higher than 99%,the reading will be "99%".

3. Accuracy: when the humidity is between 30-80%, the accuracy is ±5%, if out of this range the accuracy will be ±7%.

4. Arrow indication for humidity changes: will display when humidity changes less than 5% RH within one hour or compared with last reading. will display when the reading increase by 5% RH within one hour or compared with the last reading. will display when the reading decrease by 5% RH within one hour or compared with last reading.

5. Humidity resolution:1%.

WEATHER FORECAST

The weather forecast icon will show after power on. There are 5 kinds of weather modes: Sunny, Sunny To Cloudy, Cloudy, Rainy, Snowy. The weather icon displays are based on the hourly calculation of indoor/outdoor temperature & humidity and barometer data. The forecast is for the next 12 hours with 70%-75% accuracy after 48 hours of data accumulation.

COMFORT LEVEL INDICATOR

| Sunny | Sunny To Cloudy | Cloudy | Rainy | Snow |
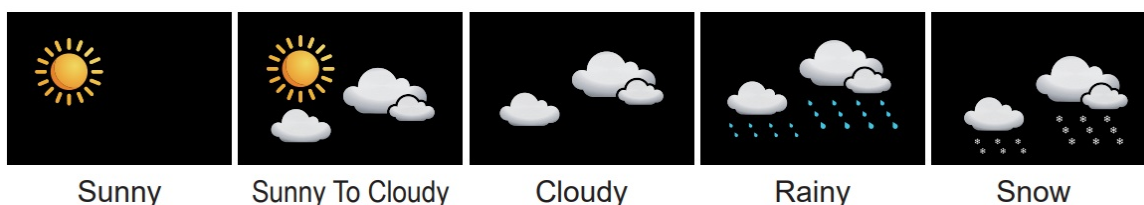
FROST-POINT ALERT

When the current outdoor channel's temperature is in the range of 32°F~37.22°F(0°C~ 2.9°C), the alert symbol " ! " will be flashing until the temperature reading is out of alert range; the symbol will keep displaying on-screen if the temperature is lower than 32°F.

CALIBRATION
Baldr weather stations were calibrated precisely at our manufacturing facility, but if you want the data of this product to be consistent with the reading of the equipment you are more trusted or more used to, you can manually calibrate the indoor temperature, humidity, and barometer values.

1. When in time display mode, press and hold the "ALERTS" and "MEM" buttons at the same time to enter Calibration mode.

2. Press and release the "SET" button to confirm and move to the next setting: Indoor Temperature Indoor Humidity Barometer Exit.

3. Press the " ▲/ CH " or " ▼/RCC " button to adjust the value.

4. Barometer range: 25.1-31 inHg (637-787mmHg, 850-1050hPa/mb).

Notes:
Calibrated value's reset method: unplug the main unit power supply at first, remove the cell battery, press and hold the " 🔔 " button, then power on to reset.

ADJUSTABLE BACKLIGHT

- After powering on, touch the" 😴 zzZ | ☀ "button to adjust the brightness of the backlight.

- Backlight brightness can be selected from 3%,10%,50%,100% and off.

LOW BATTERY INDICATORS

- About Outdoor Sensor: When the battery indicator shows next to the outdoor temperature, replace batteries in your outdoor sensor.
- About Cell Battery in Main Unit: The CR2032 cell battery is only for memorizing the setting during a sudden power outage. When the battery indicator shows next to your Indoor Temperature, replace the battery.

TROUBLESHOOTING

Problem	Possible Solution
Outdoor reading is flashing or showing dashes	Flashing of the outdoor reading is generally an indication of wireless interference. 1. Bring the sensor and main unit indoors, side by side, and remove batteries from each. 2. Make sure the CH 1-2-3 switch on both units matches. 3. Reload batteries in an outdoor sensor. 4. Reload batteries in the main unit. 5. Let both units sit within a couple of feet of each other for a few minutes to gain a strong connection before taking the sensor to the outdoor area
No outdoor sensor reception	1. Reload the batteries of both the outdoor sensor and main unit. Please refer to the SENSOR SETUP section. Relocate the main unit and/or the outdoor sensor. The units must be within 328ft(100m) of each other. Make sure both units are placed at least 3 ft (0.9 m) away from electronics that may interfere with the wireless communication (such as TVs, microwaves, computers, etc). Use standard alkaline batteries. Do not use heavy-duty or rechargeable batteries. NOTE: It may take a few minutes for main unit and sensor to synchronize after batteries are reloaded.
Inaccurate temperature/ humidity	Make sure both the main unit and sensor are placed out of direct sunlight and away from any heat sources or vents.
"HH.H/LL.L" display in indoor and/or outdoor temperature	If the temperature is higher than the detection range, "HH.H" will display on screen for indication; if lower than the detection range, "LL.L" will display on screen for indication.

If your BALDR product does not operate properly after trying the troubleshooting steps, please contact the seller on your order page or shoot an email to: **service@baldr.com**.

PLACEMENT INSTRUCTION

BALDR sensors are sensitive to surrounding environmental conditions. Proper placement of both the

main unit and outdoor sensor is critical to the accuracy and performance of this product.

Main Unit Placement

Place the main unit in a dry area free of dirt and dust. To help ensure an accurate indoor temperature measurement, be sure to place the Main unit away from heat sources or vents.

Outdoor Sensor Placement

Sensors must be placed outside to observe outdoor conditions. The sensor is water-resistant for water splashes and is designed for general outdoor use, however, to extend its life place the sensor in an area protected from direct weather elements. The best location is 4 to 8 feet (1.2 to 2.4 meters)above the ground with permanent shade and plenty of fresh air to circulate around the sensor.

Important Placement Guidelines

- The distance between the main unit and transmitter should be at least 5~6.5 feet (1.5~2 meters) away from any interfering sources such as computer monitors or TV sets.
- To maximize wireless range, place units away from large metallic items, thick walls, metal surfaces, or other objects that may limit wireless communication.
- Please do not use other electrical products such as headphones or speakers operating on the same signal frequency.
- Neighbors using electrical devices operating on the same signal frequency can also cause interference.

PRECAUTIONS

- Do not clean any part of the product with benzene, thinner or other solvent chemicals. When necessary, clean it with a soft cloth.
- Never immerse the product in water. This can cause electrical shock and damage the product.
- Do not subject the product to extreme force, shock, or fluctuations in temperature or humidity.
- Do not tamper With the internal components.
- Do not mix new and old batteries or batteries of different types.
- Do not mix alkaline, standard or rechargeable batteries with this product. Remove the batteries if storing this product for a long period of time.
- Do not dispose of this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.

WARRANTY

BALDR provides a 1-year limited warranty on this product against manufacturing defects in materials and workmanship. Warranty service can only be performed by our authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to us, or our authorized service center. The warranty covers all defects in material and workmanship with the following specified exceptions:
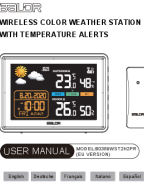
1. damage caused by accident, unreasonable use or neglect (including the lack of reasonable and necessary maintenance);
2. damage occurring during shipment (claims must be presented to the carrier);
3. damage to, or deterioration of any accessory or decorative surface;
4. damage resulting from failure to follow instructions contained in your owner's manual.

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. To receive warranty service, the

purchaser must contact with BALDR nominated service center for the problem determination and service procedure. Thank you for your choice of BALDR products!

Documents / Resources

	BaLDR B0359WST2H2PR Wireless Color Weather Station with Temperature Alerts [pdf] User Manual B0359WST2H2PR, Wireless Color Weather Station with Temperature Alerts
	BALDR B0359WST2H2PR Wireless Color Weather Station [pdf] User Manual B0359WST2H2PR, Wireless Color Weather Station, B0359WST2H2PR Wireless Color Weather Station, Color Weather Station, Weather Station

References

- **Ξ Baldr builds smart devices to connect your home!**