Manuals+ — User Manuals Simplified.

BALDR B0359WST2H2PR-V2 Digital Color Weather Station with Barometric Pressure User Manual
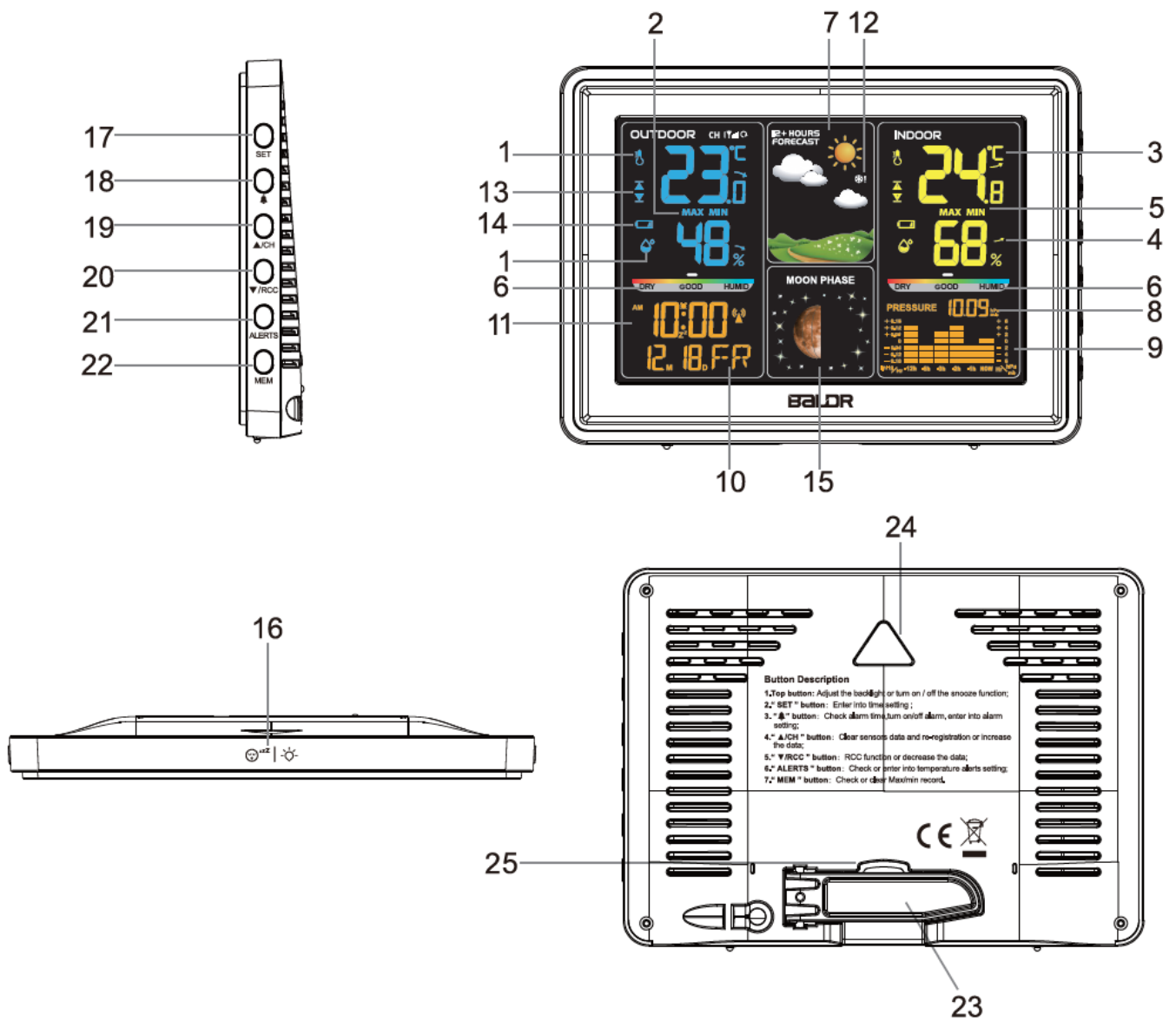
Contents

BALDR B0359WST2H2PR-V2 Digital Color Weather Station with Barometric Pressure

PRODUCT OVERVIEW

**Weather Station (Main Unit)**

1. Outdoor temperature and humidity
2. Max/Min records of outdoor temperature and humidity
3. Indoor temperature and humidity

4. Arrow trends

5. Max/Min records of indoor temperature and humidity

6. Five comfort level indication of indoor and outdoor

7. **Weather forecast**

   Weather forecast for the next 12-24 hours

8. **Barometric pressure**

   Barometer display in mmHg, inHg or hPa/mb

9. Barometric history for the past 12 hours

10. **Calendar display**

    Weekdays in 7 languages

11. Current time

12. 24 hour format optional

13. Frost-point warning

14. High/Low temperature alerts

15. Low battery indication

16. Moon phase

17. "☺ᶻᶻ | ☀" button

18. **" SET " button**

    Enter manual setting

19. **" 🔔 " button**

    Check alarm time, turn on/off alarm, enter into alarm setting

20. **" ▲/CH " button**

    Clear sensors data and re-registration or increase the data

21. **" ▼/RCC " button**

    RCC function or decrease the data

22. **" ALERTS " button**

    Check or enter into temperature alerts setting

23. **" MEM " button**

    Check or clear Max/Min records

24. Stand bracket

25. Hanging hole

26. Battery compartment

Notes:

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

2. The CR2032 cell battery 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 +and-).

Pick out

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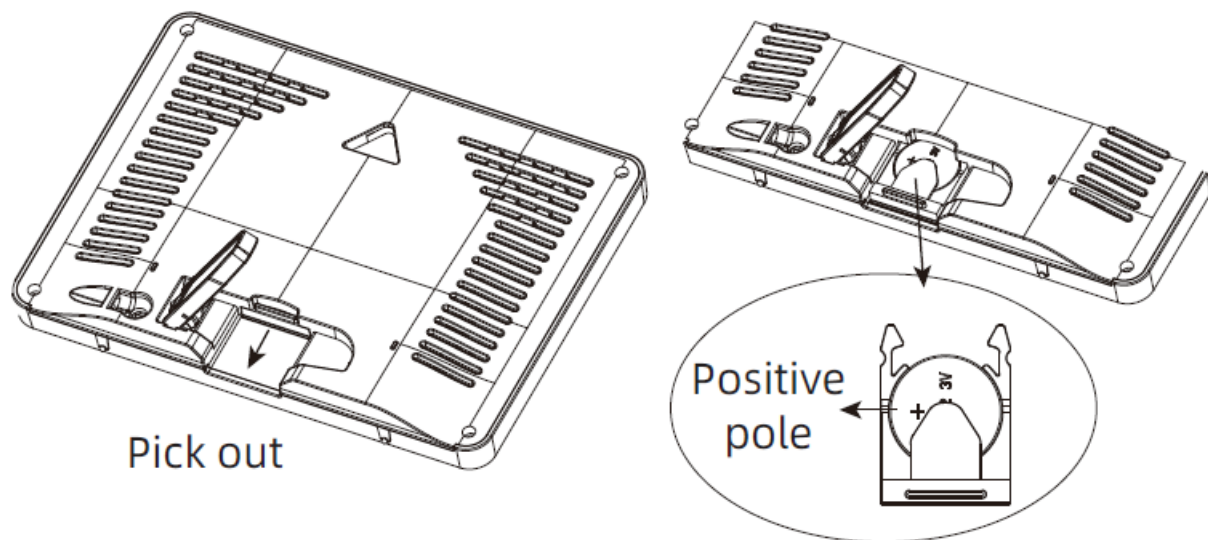
WARNING: THIS PRODUCT CONTAINS A BUTTON-CELL BATTERY. IF SWALLOWED, IT COULD CAUSE SEVERE INJURY OR DEATH IN JUST 2 HOURS. SEEK MEDICAL ATTENTION IMMEDIATELY IF INGESTED.

Outdoor Sensor
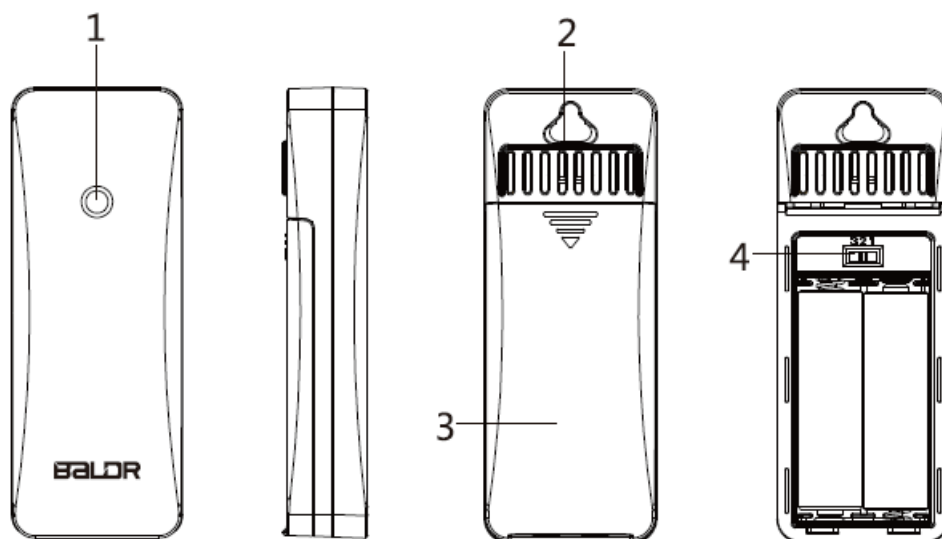
1. Signal light
2. Hanging hole
3. Battery compartment
4. Channel 1-2-3 switch

Button Introduction

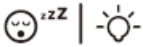| BUTTONS	FUNCTIONS
SET	**Normal Mode:** • PRESS AND HOLD for 3 seconds to enter Manual Setting.
🔔	**Normal Mode:** • PRESS to check alarm time, turn ON/OFF alarm. • PRESS AND HOLD for 3 seconds to enter into alarm setting.
▲/CH	**Normal Mode:** • PRESS to switch channel from CH1, CH2, CH3, or Circular Channels Mode " ↻ ". • PRESS AND HOLD for 3 seconds to reconnect sensor. **Manual Setting or Alarm Setting:** • PRESS to increase the value by 1. • PRESS AND HOLD for 3 seconds to increase the value continuously.
▼/RCC	**Normal Mode:** • PRESS AND HOLD for 3 seconds to search WWVB radio signal. • During searching, PRESS to stop. **Manual Setting or Alarm Setting:** • PRESS to decrease the value by 1. • PRESS AND HOLD for 3 seconds to decrease the value continuously.
ALERTS	**Normal Mode:** • PRESS to check temperature alert. • PRESS AND HOLD for 3 seconds to enter temperature alert setting.
MEM	**Normal Mode:** • PRESS to check MAX/MIN indoor/outdoor temperature and humidity. **Record Display Mode:** • PRESS AND HOLD for 3 seconds to clear the MAX/MIN records.
☺ᶻᶻᶻ | ☼	**Normal Mode:** • BACKLIGHT: Press to adjust the backlight brightness. • When alarm rings, press to enter into snooze mode. **Manual Setting or Alarm Setting:** • PRESS to save and exit.

Package Includes
Following contents are included in the package: 1 x Weather Station Main Unit

- 1 x Outdoor Sensor (not included 2 x AA batteries) 1 x AC Adapter
- 1 x CR2032 Cell Battery
- 1 x User Manual

QUICK SET-UP GUIDE

Note: Please use high quality alkaline or lithium batteries for the best product performance. Do not mix old and new batteries. Heavy duty or rechargeable batteries are not recommended.

Power Up

1. Remove the CR2032 battery of main unit, plug the adapter into a powered outlet.
2. Remove the sensor's battery compartment cover, set the channel of CH1/CH2/CH3 , press "▲/ CH " button on

the main unit to set the channel same as the sensor's, and then insert 2 x AA batteries into sensor matching the polarity(+and-) within 3 minutes.

3. Replace the battery cover and place the sensor vertically on the table.
4. Reinsert the CR2032 battery into main unit after received sensor data.
5. Put the main unit and outdoor sensor together for 30 minutes to establish a strong connection.
6. After power on, the main unit will start receiving outdoor sensors' signal (RF signal) for 3 minutes, the receiving antenna signal Ɏ.ıll will appear and flash on the main unit screen. After sensor signal is received within 3 minutes or receiving window ends, it will enter into WWVB Signal Receiving window.

Notes:

1. Make sure the main unit and sensor are in the same channel for synchronizing data.
2. The main unit channel setting order is CH1–CH2–CH3–Circular Channels Mode ""(from CH1 to CH2 to CH3, 5 seconds intervals).
3. If the signal receiving time exceeds 3 minutes, you need to press and hold the "▲/ CH " button to reconnect sensor.

WWVB Signal Receiving

1. After RF signal receiving, it will start searching radio signal for 7 minutes with the antenna symbol" ▲ "flashing on screen.
2. Once signal received, the main unit will display the received time/month/date/weekday with symbol" (((▲))) "displaying on screen.
3. Daily RCC signal receiving: there are regular radio signal receiving at UTC 7:00,8:00,9:00,10:00,11:00 each day. It starts receiving signal at UTC 7:00 everyday. For each day, once signal received at any one receiving time, it will stop receiving signal that day.
4. Manual receiving: press and hold" ▼/RCC " button to enter RCC signal receiving.
5. During receiving, no response if press other buttons, you can press" ▼/RCC " button to exit RCC receiving.

*RCC symbol display:

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

Manual Setting

Notes: After signal received, if there is no need for other settings, you can just finish reading here. If there are other setting requirements, please check the following steps. Or if there is no signal received, you can follow the below steps for manual setting.

TIPS:

1. Press and hold" SET "button to enter into setting.

2. Press"▲/CH" or "▼/RCC"button to to adjust the values, hold the button will adjust quickly.

3. Press" SET "button to confirm and go to the next setting option.

4. Press the" ☺ᶻᶻᶻ | ☀ "button at anytime to save and exit settings.

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

Settings Menu Orders:
Weekday Language→RCC ON/OFF→DST ON/OFF→Time Zone 12/24H Time
Format→Hours→Minutes→Year→Month&Date Display Format→Month→Date→Temperature Unit→Barometric
Unit→Beep ON/OFF→Weather→Exit.

1. Press " SET " button to select Weekday Language. Default setting: EN. Press the "▲/CH" or " ▼/RCC " button
   to select languages: EN, GE, IT, FR, DU, SP, DA.
   (English/German/Italian/French/Dutch/Spanish/Danish)

Language	German	English	Italian	French	Dutch	Spanish	Danish
	GE	EN	IT	FR	DU	SP	DA
Sunday	SO	SU	DO	DI	ZO	DO	SO
Monday	MO	MO	LU	LU	MA	LU	MA
Tuesday	DI	TU	MA	MA	DI	MA	TI
Wednesday	MI	WE	ME	ME	WO	MI	ON
Thursday	DO	TH	GI	JE	DO	JU	TO
Friday	FR	FR	VE	VE	VR	VI	FR
Saturday	SA	SA	SA	SA	ZA	SA	LO

2. Press " SET " button to turn ON/OFF RCC function. Default setting: ON. Press "▲/CH" or " ▼/RCC " button to
   select OFF or ON.

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

4. Press " SET " button 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

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

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

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

8. Press " SET " button to select Year. Press "▲/CH" or " ▼/RCC " button to adjust the value.

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

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

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

12. Press " SET " button to select Temperature Unit. Default setting: ℉ .Press the "▲/CH" or " ▼/RCC " button to
    select℃/℉.

13. Press " SET " button to select the Barometric Unit. Default setting: inHg . Press "▲/CH" or " ▼/RCC " button to

select unit: mmHg, inHg or hPa/mb optional. Barometer range: 800-1100hPa/mb (600-825 mmHg, 23.62-29.53 inHg).

14. Press " SET " to select Beep ON/OFF. Default setting: ON. Press the "▲/CH" or " ▼/RCC "button to select ON/OFF.
15. Press " SET " button to select Weather. Press "▲/CH" or " ▼/RCC " button to select weather: Sunny, Partly Cloudy, Cloudy, Rainy and Snowy optional.

ALARM AND SNOOZE FUNCTION

Alarm Time Setting

1. Press and hold" 🔔 "button to enter into alarm time setting.
2. Press "▲/CH" or " ▼/RCC " button to adjust data, press and hold "▲/CH" or " ▼/RCC " button will quickly change the value by 8 steps.
3. The setting order is: Hour → Minute→ Exit.
4. During setting, touch top button to save and exit setting.
5. During setting, if no operation for 20 seconds, it will automatically save and exit setting.
6. The alarm is default ON after setting the alarm time. Alarm symbol 🔔 will display on screen.

Alarm ON/OFF Setting

1. When in time display mode, press" 🔔 "button to check alarm time. Press " 🔔 " button twice to turn ON/OFF alarm by the ON/OFF of symbol 🔔 .
2. When in alarm time display mode, press " 🔔 " button to turn on/off the alarm by the ON/OFF of symbol 🔔 .

Snooze Function

1. When the alarm is ringing, press any other button except top button to stop the alarm. And the alarm will restart next day.
2. Or when alarm is ringing, press the top button to activate snooze function. The alarm will ring again in 5 minutes snooze interval. And the""symbol will be flashing on screen to indicate the snooze mode. Press any other button except top button to exit the snooze mode. And the alarm will restart next day.
3. When alarm rings, the ascending "Bibi" alarm sound will last for 2 minutes if no operation.

TEMPERATURE & HUMIDITY MAX AND MIN RECORDS

1. Press "MEM" button to check maximum temperature and humidity, the value will display for 5 seconds.
2. Press "MEM" button second time to check the minimum temperature and humidity, the value will display for 5 seconds.
3. Press "MEM" button third time will return to standard mode.
4. Press and hold "MEM" button will clear the max and min records and reactivate the memory.
5. Normally, the Max and Min record will update every 24 hours at 0:00.

ARROW TRENDS INDICATION

Arrows Indicator	Temperature	Humidity
↗	temperature increase by 1.8°F within one hour or compared with last reading	humidity increase by 5% RH within one hour or compared with last reading
↘	temperature decrease by 1.8°F within one hour or compared with last reading	humidity decrease by 5% RH within one hour or compared with last reading

TEMPERATURE ALERTS

Check and Turn ON/OFF Alerts

1. When in time display mode, press "ALERTS " button to check temperature alerts.
2. Press "ALERTS " button to select the alert you want to turn on/off(alerts checking order in the step 3). Press "▲/ CH " or " ▼/RCC " button to select ON or OFF. (Default setting: OFF)
3. Setting orders: Outdoor High Temperature Alert→ Outdoor Low Temperature Alert→ Indoor High Temperature Alert → Indoor Low Temperature Alert→ Exit.
   Default setting: High Temperature Alert: 35 ℃(95℉), Low Temperature Alert: 10 ℃(50℉).
4. Temperature alerts symbol will display on screen after alerts turned on.
5. Press any button to stop the alert sound when alert rings.
6. Touch 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 "ALERTS " button to enter 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 "▲/ CH " or " ▼/RCC " button to adjust the value. Hold to adjust quickly.
4. Press "ALERTS" button to confirm and move to next alert setting.
5. During setting, touch top button to save and exit setting.
6. During setting, if no operation for 20 seconds, it will automatically save and exit setting.

Note:

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

WEATHER FORECAST

The weather forecast icon will be shown after power on. There are 5 kinds of weather modes: Sunny, Partly Cloudy, Cloudy, Rainy, Snowy. The weather icon displays are based on the hourly calculation of indoor/outdoor temperature & humidity and barometer data. The main unit forecasts the next 12 hours of weather with 70% – 75% accuracy.

| Sunny | Partly Cloudy | Cloudy | Rainy | Snowy |
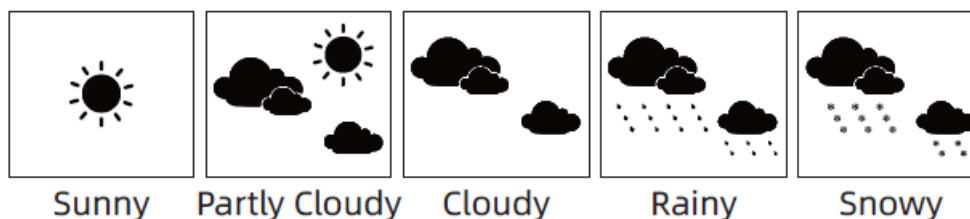
Notes: The forecast on this device can not compare to the professional weather forecast devices supported by satellites or high-performance computers. It provides an approximate indication of the weather trends.

BAROMETRIC PRESSURE HISTORY

1. After power on, the main unit dynamically displays the baro -metric pressure changes for the last 12 hours. The histogram is always flashing.

   (**Note:** This function can not be switched off)

2. The barometric is built into the main unit, this device displays the barometric value where the main unit is placed.

3. Due to product design, the barometric pressure value can not be calibrated manually.

COMFORT LEVEL INDICATOR
The main unit indicates indoor/outdoor comfort in 5 levels according to the humidity values.

Display	DRY GOOD HUMID	DRY GOOD HUMID	DRY GOOD HUMID	DRY GOOD HUMID	DRY GOOD HUMID
Humidity	TOO DRY: 1~25%	DRY: 26~39%	GOOD: 40~75%	WET: 76~83%	TOO WET: 84~99%

MOON PHASE

| New Moon | Waxing Crescent | First Quarter | Waxing Gibbous |

| Full Moon | Waning Gibbous | Last Quarter | Waning Crescent |
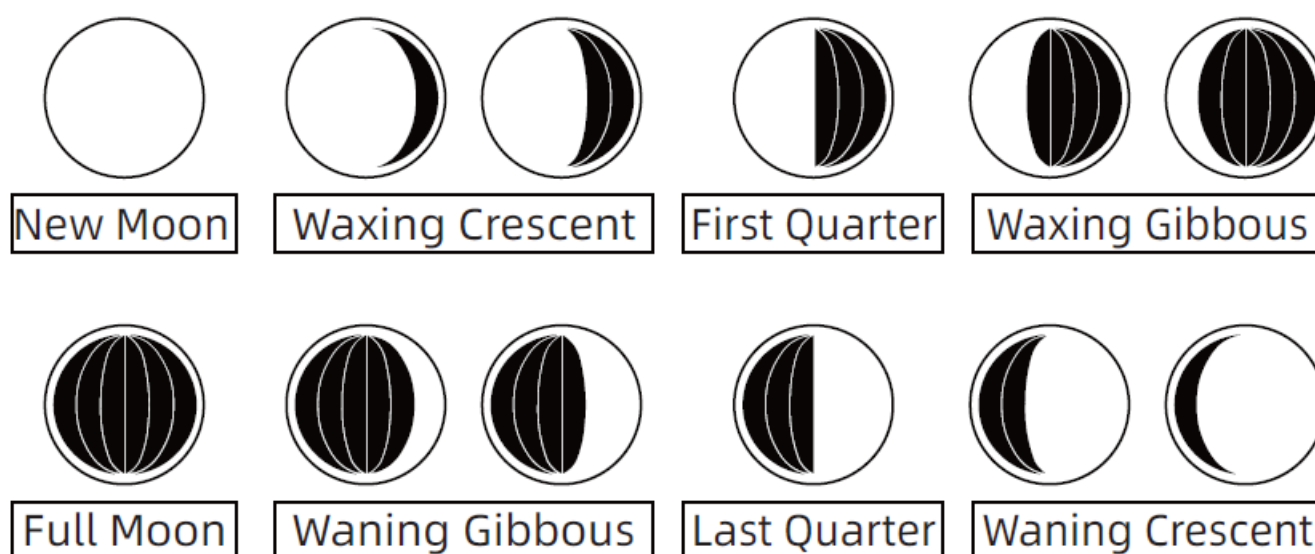
FROST-POINT ALERT
When current outdoor channel's temperature is in the range of 32°F~37.22°F(0°C~ 2.9°C), the alert symbol " ❄!"

will be flashing with 1 second "BIBIBI " sound until the temperature reading is higher than 37.22℉; the symbol will keep displaying on screen if temperature is lower than 32℉.

ADJUSTABLE BACKLIGHT

- After powering on, touch "

$$\odot^{zZ} \mid \cdot\!\!\!\!\!\cdot\!\!\!\!\!\cdot$$

" button to adjust the brightness of the backlight.
- Backlight brightness can be adjusted from 10%, 50%, 100% and off.

LOW BATTERY INDICATOR

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

OUTDOOR SENSOR INSTALLATION

The data of weather forecast and outdoor humidity & temperature come from outdoor sensors. Make sure the outdoor sensor place in a proper place.

1. The sensor should be protected from direct sunlight and rain.
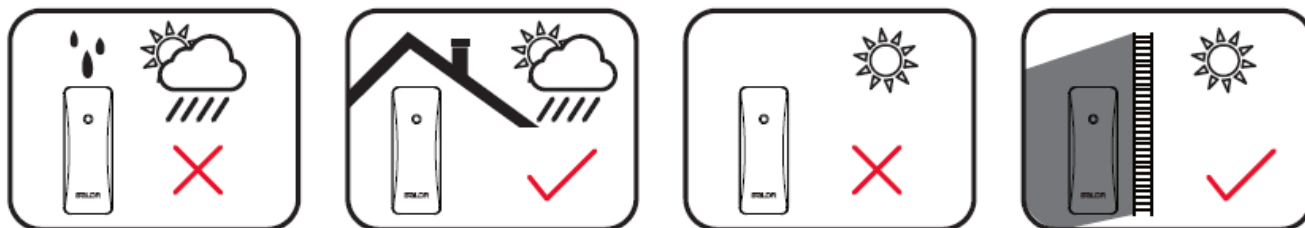
2. Keep well-ventilated and leave a certain space of gap between the sensor and the wall to avoid blocking the vent of the sensor.

3. Place the sensor at a height about 1.2-2.5 meters/3.93-8.20 feet vertically.

≥ 2m
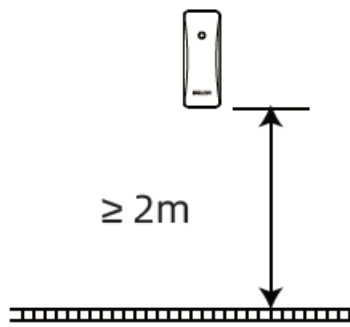
4. Place the sensor near the main unit. Avoid thick walls between the units or or strong interference source using same signal frequency (433MHz), such as TVs, microwaves, computers, etc.

5. If the main unit disconnects most likely the sensor is too far from the main unit. Please place it nearer to the sensor. Transmission Range: 100m/330ft in open area.

6. Vertically placement is required:

Place on a stable surface

Hang from the back hole using a nail
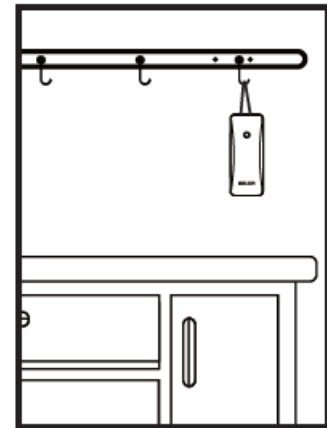
Lift with a rope

Note: Allow the main unit and the sensor together at the same position for 30 minutes to establish a strong connection.

TROUBLE SHOOTING

Problem	Possible Solution
Outdoor reading is flashing or showing dashes	Press and hold the "▲/CH " button for 5-6 seconds to reconnect the sensor ((Please switch the channel of the out door sensor to CH1). If the issue can not be solved, please try to restore factory settings.
No outdoor sensor reception	Put put the main unit and outdoor sensor together, and then press and hold the "▲/CH " button for 5-6 seconds to reconnect the sensor. If the issue can not be solved, please try to restore factory settings.
RCC function does not work	Put to the the main unit close to the window or take it to outdoor to enhance the signal reception.
Inaccurate temperature/ humidity	When the temperature/humidity is inaccurate, it is often due to the location of the display or overpowered/under powered batteries. You can test the accuracy at you home. Side-by-side test: Bring the sensor in the house and place it next to the weather station for 2 hours. 1. Temperature: Compare indoor and outdoor temperature. The temperature should be within 3.6°F to be within tolerance. 2. Humidity: Compare indoor and outdoor humidity. The temperature should be within 5%RH to be within tolerance.
Inaccurate weather forecast	The weather forecast is an estimate or generalization of weather changes in the next 12 to 24 hours, with an accuracy rate of about 70-75%. It is simply a tool for projecting weather conditions and is never to be relied upon as an accurate method to predict weather.

Problem	Possible Solution
Outdoor sensor drains batteries quickly	Test a new set of alkaline batteries. Do not mix old and new batteries. Heavy duty or rechargeable batteries are not recommended.
Inaccurate barometric value	The barometer is built into the main unit, the screen displays the barometric value where the main unit is placed. Please allow a 5MPA tolerance.
Incorrect weekday display	Press and hold " SET " button to set the correct Year.
"HH.H/LL.L" display inindoor 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.
The buttons doesn't workable suddenly	Within 7 minutes of receiving RCC radio signal, the other buttons have no response except "▼/RCC " button. You can press and hold the "▼/RCC " button to exit RCC receiving.

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: baldrservice@baldr.com

FACTORY SETTINGS
If meet some issues can not be solved, please try to restore factory settings.

1. Unplug the adapter of the weather station.
2. Remove the CR2032 battery from the main unit.
3. Remove the batteries from the sensor.
4. Plug the adapter of the weather station and make sure the channel fix at CH1, then place the main unit vertically on the table.
5. Insert the batteries into the sensor within 3 minutes and make sure the channel fix at CH1, then place the sensor vertically on the table.
6. Insert the CR2032 battery.
7. Put them together for 30 minutes to create a strong connection.

SPECIFICATIONS

Technical Specifications

- **Indoor Temperature Range:** 14℉~ 122℉(-10℃~ +50.0℃).
- **Outdoor Temperature Range:** -40℉~140℉ (-40℃~+60℃).
- **Humidity Range:** 1% to 99% RH.
- **Transmission Range:**
  - 433 MHZ RF transmission frequency.

- Up to 100 M transmission in open area.
- **Power Supply:**
    - Main Unit: Power Adapter (Included) and CR2032 battery (for memory function).
    - Outdoor Sensor: 2 x AA Alkaline batteries (not included).

Measurement Specifications

Measurement	Range	Accuracy	Resolution
Indoor Temperature	14°F ~ 122°F	±1.8°F (temperature between 32°F~122°F, if out of this range: ±3.6°F)	0.1°F
Outdoor Temperature	-40°F ~ +140°F	±1.8°F (temperature between 32°F~122°F, if out of this range: ±3.6°F)	0.1°F
Humidity	1% to 99%	± 5% (temperature between 68°F~78.8°F, if out of this range: ±8%)	1%

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

Dear customer,
Thank you for choosing BALDR. We provide 1-year limited warranty on this product from the date of purchase. This product has undergone thorough quality inspection at the factory to ensure that the product is in good condition. We will remedy all defects in workmanship or materials within the warranty period. In order for the warranty to be granted, all warranty claims must be accompanied by proof of purchase from an authorized distribution partner. Damages due to improper installation or use, unauthorized removal/modify/repair are not covered by the warranty. If you have any problems with this product or during use, please do not hesitate to contact us, we will try our best to solve it and offer you satisfactory service including replacement or refund. For Full Warranty Details, contact us by:

Email: baldrservice@baldr.com

Direct Contact Amazon Store: Within 24 Hours
US TEL: 1-833-381-5659
(**Support Hours:** Monday-Friday, 9:00A.M.-5:00P.M. PST)

FCC STATEMENT

This device complies with part 15 of 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.

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. **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, 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 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.

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.

Email: baldrservice@baldr.com
USA Tel.: 1-833-381-5659

Documents / Resources

BALDR B0359WST2H2PR-V2 Digital Color Weather Station with Barometric Pressure [pdf] User Manual
B0359WST2H2PR-V2, B0359WST2H2PR-V2 Digital Color Weather Station with Barometric Pressure, Digital Color Weather Station with Barometric Pressure, B0359WST2H2PR-V2 Digital Color Weather Station, Digital Color Weather Station, Color Weather Station, Weather Station