



BALDR B0389WST4H4-V3 Digital Wireless Weather Station User Manual

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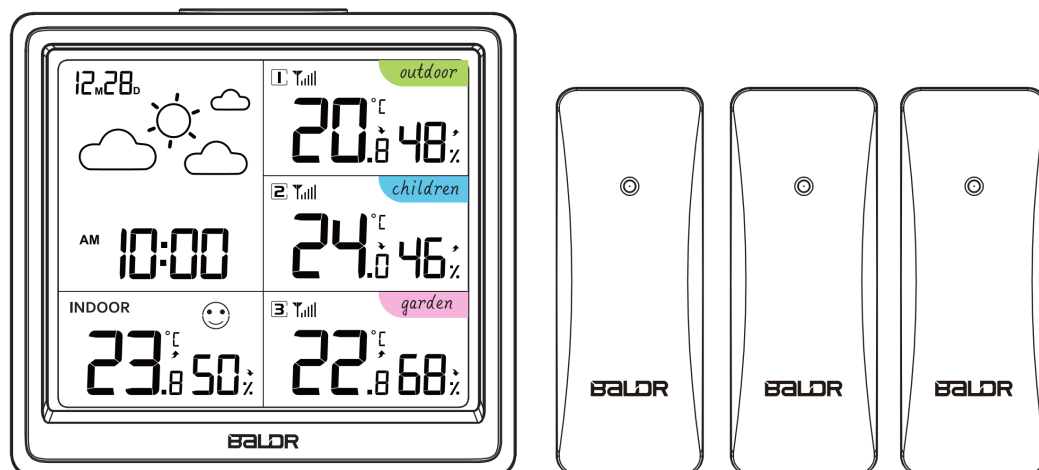


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INTRODUCTIONS

DIGITAL WIRELESS WEATHER STATION WITH 3 REMOTE SENSORS



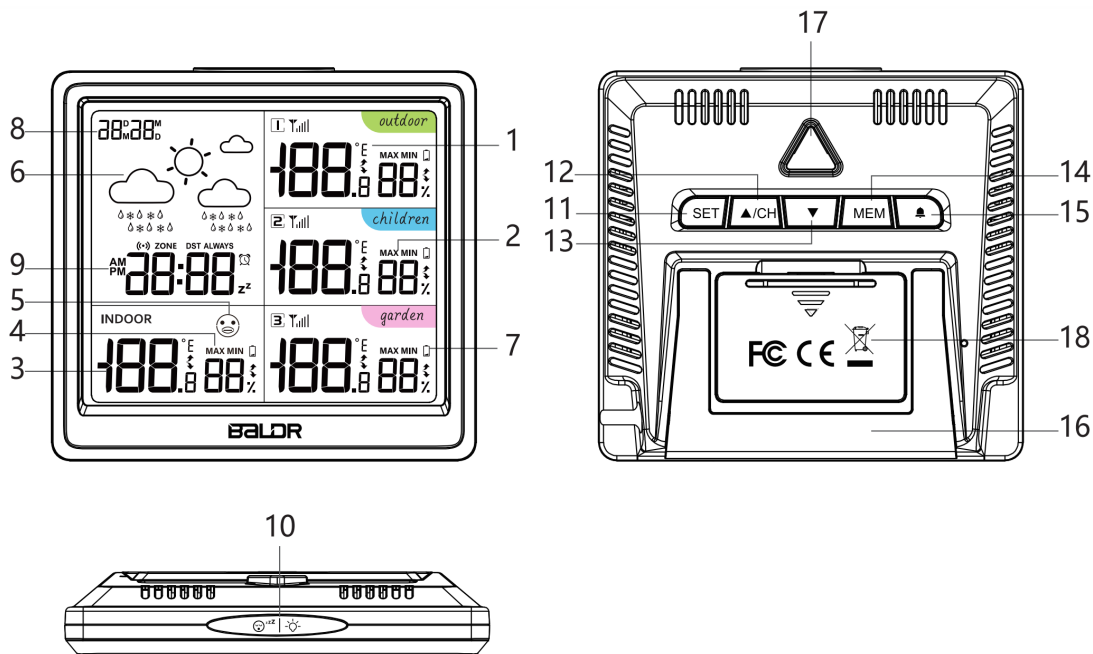
We thank you for your purchase of Baldr digital wireless weather station with 3 remote sensors. It has been designed and constructed using innovative components and techniques to enable the perfect display. Please read the instructions carefully to become familiar with the properties and functions before you use the unit. 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.

For the start-up of this device:

Main unit by AC adapter (included) or 3 x AAA batteries (not included) Sensor by 6 x AA batteries (not included)

OVERVIEW

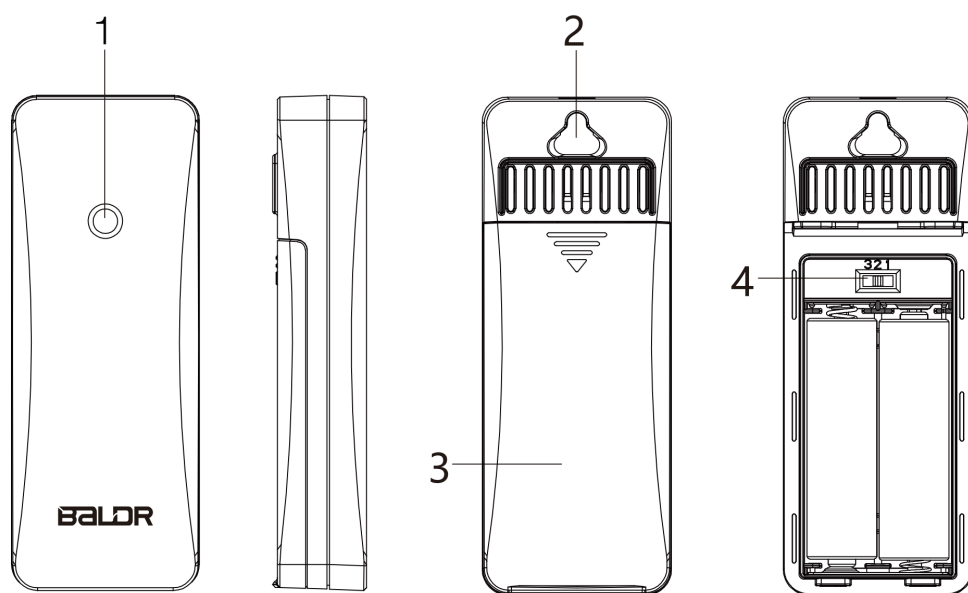
MAIN UNIT



1. **Temperature and humidity of Channel 1/2/3**
2. **Max/min record of Channel 1/2/3**
3. **Indoor temperature and humidity**
4. **Max/min record of indoor temperature and humidity**
5. **Three comfort level indication**
6. **Weather forecast**
Weather forecast for next 12-24 hours
7. **Calendar display**
Default date: June 15, 2021
8. **Current time**
12/24 hour format selectable
9. “☹️zzz | ☀️” touch button
10. **“SET” button**
Switch C/F or enter into time setting
11. **“▲/CH” button**
Clear sensors data and re-registration or increase the data
12. **“▼” button**
Decrease the data or switch 12H/24H display format
13. **“MEM” button**
Check or clear Max/min record
14. “🔔” button
Check alarm time, turn on/off alarm, enter into alarm setting
15. **Angle adjustable stand bracket**
16. **Hanging hole**
17. **Battery compartment**

Note: The top button is touch button.

OUTDOOR SENSOR



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

FEATURES

- Simple and clear LCD display
- Weather forecast for next 12-24 hours
- Measures in/out humidity and temperature (°C/°F)
- Four groups of temperature & humidity data
- Max/min record of temperature & humidity
- Temperature tendency display in arrows
- Comfort level indication
- Indoor temperature range: -10°C~+50°C(+14 °F~+122°F)
- Outdoor temperature range: -40°C~+60°C(-40°F~+140°F)
- In/outdoor humidity range: 1%-99%
- Calendar, alarm and snooze function
- Time display in 12/24H
- White backlight with dimmer
- Color DIY location stickers provided

PACKAGE CONTENT

Following contents are included in the package:

- 1 x Weather Station Main Unit

- 3 x Remote Sensors
- 1 x AC Adaptor
- 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

Powered by AC Adaptor:

Connect the power adaptor with DC hole on side of the main unit and plug the adaptor to a powered outlet.

Powered by batteries:

1. Remove the battery compartment cover.
2. Insert 3x AAA battery matching the polarity(+and-).
3. Replace the battery cover.

SENSOR INSTALLATION

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

SENSOR SETUP

- Power the main unit prior to load the batteries of sensor.
- Switch the button of 3 sensors to CH1 , CH2 and CH3 (the channel of each sensor should be different from others).

Note:

1. Main unit will auto receive outdoor signal after power on, the receiving status will last for max 3 minutes. The receiving antenna signal will flash. If no signal received in 3 minutes, it will stop receiving outdoor signal.
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

RF Signal Receiving

When power on or reset, the LCD will full display for 3 seconds with “BI” sound, then enter into RF Signal Receiving. the main unit will start receiving 3 outdoor sensors' signal for 3 minutes. After all 3 channels signal received within 3 minutes or receiving window ends, please do the Manual Settings.

Manual Settings

After signal received, Please follow bellow steps for manual setting.


1. Press “▼” button to switch the 12H/24H display format.
2. Press “SET” button to switch the temperature unit °C/°F.
3. Press and hold “SET” button to enter into setting, press “SET” button to skip setting steps or go to the next setting option.

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






4. Press “SET” button to select Year. Press “▲/CH” or “▼” button to adjust the value.
5. Press “SET” button to select Month & Date display format. Press the “▲/CH” or “▼” button to select M/D or D/M format. (M: Month ,D: Date)
6. Press “SET” button to select the Month. Press “▲/CH” or “▼” button to adjust the value.
7. Press “SET” button to select the Date. Press “▲/CH” or “▼” button to adjust the value.
8. Press “SET” button to select Hours. Press “▲/CH” or “▼” button to adjust the value.
9. Press “SET” button to select Minutes. Press “▲/CH” or “▼” button to adjust the value.
10. Press “SET” button to select Beep ON/OFF .Default setting :ON.
Press the “▲/CH ” or “▼” button to select ON/OFF.
11. Press “SET” button to confirm and exit.
12. During setting, touch top button to save and exit setting.
13. During setting, if no operation for 20 seconds, it will automatically save and exit setting.

ALARM FUNCTION

Alarm Time Setting

1. Press and hold “ ” button to enter into alarm time setting.
2. Press “▲/CH ” or “ ▼ ” button to adjust data; press and hold “▲/CH ” or “ ▼ ” button will quickly change the value by 8 steps.
3. The setting order is: Hour → Minute→ Exit.
4. Press “ ” button to skip setting steps or go to the next setting option.
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.
7. 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 again 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 .
3. If no operation for 5 seconds, it will automatically save and exit setting.

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 “**ZZ**” 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 related alarm mode' symbol will flashing and ascending “Bibi” alarm sound will last for 2 minutes if no operation.

OPERATION GUIDELINES

MAX AND MIN RECORD

1. Press “MEM” button to check maximum temperature and humidity, the value will display for 15 seconds.
2. Press “MEM” button second time to check the minimum temperature and humidity, the value will display for 15 seconds.
3. Press “MEM” button third time will return to standard mode.
4. When in max record or min record display mode, press and hold the “MEM” button to clear the max and min record.
5. Normally, the max and min record will update every 24 hours at 0:00.

TEMPERATURE

1. After power on ,the indoor temperature will display automatically, it will update reading each 30 seconds and start to receive outdoor signal which lasts for max 3 minutes.
2. Indoor temperature display range:-10°C~ +50.0°C(14°F~ 122°F); for temperature lower than -10°C,the reading will be :“LL.L”; for temperature higher than +50°C,the reading will be :“HH.H”.
3. Outdoor temperature display range :-40°C~+60°C(-40°F~140°F); for temperature lower than -40°C,the reading will be :“LL.L”; for temperature higher than +60°C,the reading will be :“HH.H”.
4. Arrow indication for temperature changes: will display when the reading increase by 1°C(1.8°F) within one hour or compared with last reading. will display when the reading decrease by 1°C(1.8°F) within one hour or compared with last reading.
5. Accuracy: For temperature between 0°C~50°C(32°F~122°F),the accuracy is ± 1 °C(1.8°F),if out of this range the accuracy will be ± 2 °C(3.6°F); Temperature resolution is 0.1 °C(0.1°F).
6. Press “SET” button to switch from Celsius degree to Fahrenheit degree.




HUMIDITY

1. After power on ,the indoor humidity will display automatically, it will update reading each 30 seconds and start to receive 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 temperature is between 20°C~26°C (68°F~ 78.8°F) and the humidity is between 40-80%,the accuracy is $\pm 5\%$,if out of this range the accuracy will be $\pm 8\%$.
4. **Arrow indication for humidity changes:**

- ➔ will display when the reading increase by 3% RH within one hour or compared with last reading.
- ➔ will display when the reading decrease by 3% RH within one hour or compared with last reading.

5. **Humidity resolution:** 1% .

COMFORT LEVEL INDICATOR






Display			
Humidity	DRY 1%- 39%	COMFORT 40%-70% (20°C-28°C)	WET 71%-99%

RF REGISTRATION



- Press and hold the “▲/CH” button to clear all sensors data and start receiving signal again.

WEATHER FORECAST

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

				
Sunny	Partly Cloudy	Cloudy	Rainy	Snow

BACKLIGHT FUNCTION

- When powered by batteries, press “ |  ” button to turn on the backlight. The backlight will last 20 seconds.
- For continuous backlight, please connect the power adaptor.

Press “ |  ” button to switch backlight brightness among 100%,50%,3% and off.

LOW BATTERY INDICATORS

1. When Battery Indicator shows next to the Outdoor Temperature, replace batteries in your Outdoor Sensors.
2. When Battery Indicator shows next to your Indoor Temperature, replace batteries in your Station.

TROUBLE SHOOTING

Problem	Possible Solution
Outdoor reading is flashing or showing dashes	<p>Flashing of the outdoor reading is generally an indication of wireless interference.</p> <ol style="list-style-type: none"> 1. Bring both the sensor and display indoors, side by side and remove batteries from each. 2. Make sure the 1-2-3 switch on both units match. 3. Reload batteries in outdoor sensor. 4. Reload batteries in main unit. 5. Let both units sit within a couple feet of each other for a few minutes to gain a strong connection before taking sensor to outdoor area.
No outdoor sensor reception	<ol style="list-style-type: none"> 1. Reload the batteries of both outdoor sensor and main unit. Please refer to the SENSOR SETUP section. 2. Relocate the main unit and/or the outdoor sensor. The units must be within 100m(328ft) of each other. 3. Make sure both units are placed at least 0.9 m (3 ft) away from electronics that may interfere with the wireless communication (such as TVs, microwaves, computers, etc). 4. 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	<ol style="list-style-type: none"> 1. Place the whole set device at the same position for half an hour after power on. 2. Place the main unit and sensor horizontally, meanwhile ,Please place the sensor at a height of 2-2.5 meters above the ground. 3. 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.
<p>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.</p>	

PLACEMENT INSTRUCTION

BALDR sensors are sensitive to surrounding environmental conditions. Proper placement of both the main unit and outdoor sensor are critical to the accuracy and performance of this product.

Main Unit Placement

Place 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.

Important Placement Guidelines

Sensor must be placed outside to observe outdoor conditions. 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 1.2 to 2.4 meters (4 to 8 feet) above the ground with permanent shade and plenty of fresh air to circulate around the sensor.

Important Placement Guidelines

- The distance between main unit and transmitter should be at least 1.5~2 meters (5~6.5 feet) 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!



www.baldr.com

service@baldr.com

Documents / Resources

