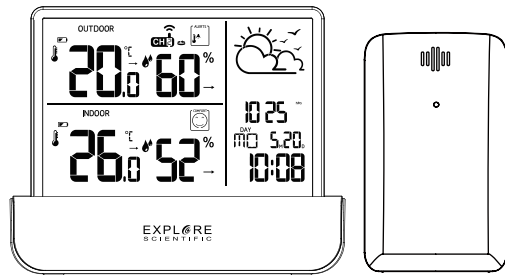


# EXPLORE<sup>®</sup> SCIENTIFIC

ULTRA SLIM WEATHER STATION WITH SEMI-TRANSPARENT DISPLAY

**Art.No.:** WSH4501 (AUS Version)



**INSTRUCTION MANUAL**

## ABOUT THIS INSTRUCTION MANUAL



These operating instructions are to be considered a component of the device.

Please read the safety instructions and the operating instructions carefully before use.

Keep these instructions for renewed use at a later date. When the device is sold or given to someone else, the instruction manual must be provided to the new owner/user of the product. The device is intended only for indoor use.



### GENERAL WARNINGS

- **Risk of electric shock** – This device contains electronic components. Only use the device as described in the manual; otherwise, you run the risk of an electric shock.
- **Choking hazard** – Children should only use the device under adult supervision. Keep packaging material, like plastic bags and rubber bands, out of the reach of children, as these materials pose a choking hazard.

- **Risk of chemical burn** – Keep batteries out of the reach of children! Make sure you insert the batteries correctly. Leaking battery acid can lead to chemical burns. Avoid contact of battery acid with skin, eyes and mucous membranes. In the event of contact, rinse the affected region immediately with a plenty of water and seek medical attention.
- **Risk of fire/explosion** – Do not expose the device to high temperatures. Use only the recommended batteries. Do not short-circuit the device or batteries, or throw them into a fire. Excessive heat or improper handling could trigger a short-circuit, a fire, or an explosion.
- Do not disassemble the device. In the event of a defect, please contact your dealer. The dealer will contact the Service Centre and can send the device in to be repaired, if necessary.
- Use only the recommended batteries. Always replace weak or empty batteries with a new, complete set of batteries at full capacity. Do not use batteries from different brands or with different capacities. The batteries should be removed from the unit if it has not been used for a

long time.








### SCOPE OF DELIVERY

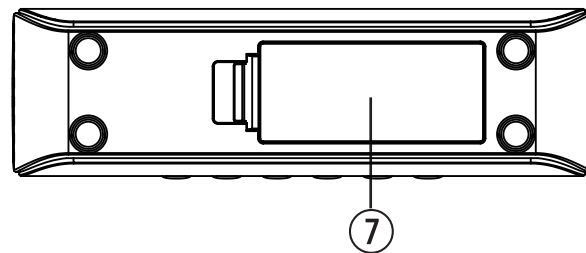
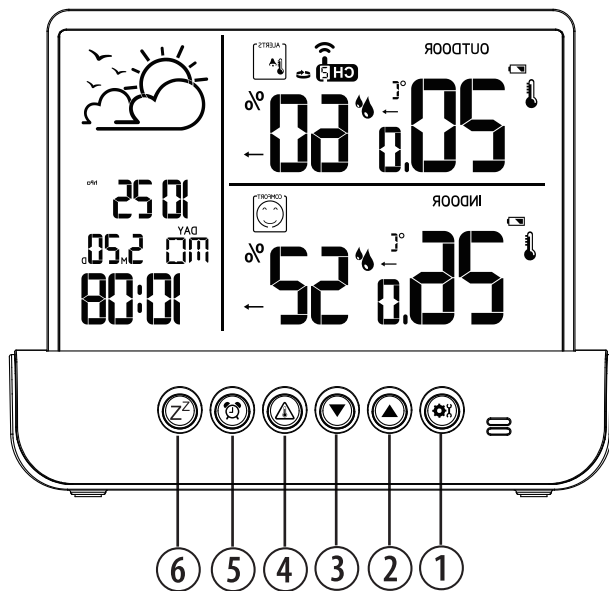
Weather station, Outdoor sensor, Operating instructions, 4x AAA batteries.

### BEFORE YOU BEGIN

- We recommend using alkaline batteries. If temperatures regularly fall below 0°C (32°F), we recommend using lithium batteries.
- Avoid using rechargeable batteries. (Rechargeable batteries cannot maintain correct power requirements.)
- Insert batteries before first use, matching the polarity in the battery compartment. 2x AAA Batteries are required for the Weather station and 2x AAA Batteries are required for the Outdoor sensor.

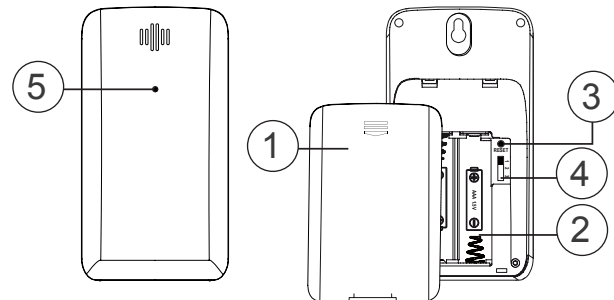
## PRODUCT OVERVIEW

1. Press [  ] to view time and alarm, press and hold to enter time and date setting.
2. In setting mode, press [  ] to increase one unit, press and hold to increase rapidly. In non-setting mode, press to select °C or °F..
3. Press [  ] to view 3 channel outdoor sensor temperature and humidity, press and hold to initialize outdoor sensor channel. In setting mode, press [  ] to decrease one unit, press and hold to decrease rapidly.
4. In non-setting mode, press [  ] to turn on/off the Upper and lower temperature alarm. Hold to enter the Upper and lower temperature alarm setting.
5. Press [  ] to turn on/off alarm time, press and hold to enter alarm setting.
6. Press [  ] to activate the snooze function to delay the alarm by 5 minutes.
7. Battery compartment



## OUTDOOR SENSOR

1. Battery compartment door
2. Battery compartment
3. RESET button (reset all settings)
4. Channel switch
5. Data transmission light

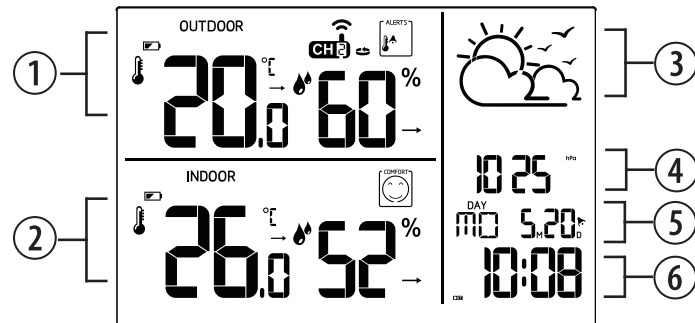


MODE	BUTTON						
Standard mode	PRESS	Toggle between time and alarm display	Turn Alarm on/off	Select °C or °F	Toggle between outdoor sensor channel 1-3	Turn on/off temperature alarm	Snooze for 5 minutes when alarm is ringing
	HOLD	Enter into time setting	Enter into alarm setting	-----	Initiate outdoor sensor search	Enter temperature alarm setting	-----
Setting mode	PRESS	Confirm setting	Confirm alarm setting	Increase	Decrease	-----	-----
	HOLD	-----	-----	Quick Increase	Quick Decrease	-----	-----

## LCD DISPLAY

1. Outdoor Temperature & humidity
2. Indoor Temperature & humidity
3. Weather forecast
4. Pressure
5. Date & Week
6. Time


- [ ] RF indicator
- [ ] DST ON (Daylight Saving Time)
- [ ] Low battery indicator
- [ ] Temperature alarm
- [ ] Alarm
- [ ] Comfort indication



## GETTING STARTED

### INSERT BATTERIES

1. Remove the battery door from the back.
2. Insert 2x AAA (LR03)/1.5V batteries. Please ensure the polarities (+/-) of the batteries match upon installation.
3. Reattach the battery door.


**NOTE:** Replace batteries when [  ] displays, or when the display is dim.

### OUTDOOR SENSOR

The main unit can receive data from up to 3 outdoor sensors. 1 Sensor is included with delivery.

1. Remove the battery door from the back.
2. Insert 2x AAA (LR03)/1.5V batteries. Please ensure the polarities (+/-) of the batteries match upon installation.
3. Select a channel.
4. Reattach the battery door.
5. Place the sensor within 30 m (98 ft) of the main unit using the table stand or wall mount.







### TO SEARCH FOR A SENSOR:

The main unit will automatically search for a new sensor after the batteries are installed. To manually initiate a outdoor sensor search, press and hold [  ].

**NOTE:** The transmission range may vary depending on many factors. You may need to experiment with various locations to get the best results.

## CLOCK

### SET THE CLOCK MANUALLY






1. Press and hold [  ] button to enter into time and date setting.
2. The setting parameter will flash.
3. Press [  ] button once, the figure will increase 1 unit. Press and hold the [  ] button, the figures will increase rapidly.
4. Press [  ] button once, the figure will decrease 1 unit. Press and hold the [  ] button, the figures will decrease rapidly.
5. Press [  ] button to confirm setting and enter to next parameter.
6. Sequence of setting:

12/24h format → Hour → Minute → DD/MM or MM/DD → Year → Month → Day → Language → Exit

7. If there is no action in 20 seconds, the setting will be saved and you will exit the setting mode.

## ALARM


### SETTING/ADJUSTING ALARM TIME




1. Press [  ] to display the alarm.  
Press and hold [  ] to enter alarm setting mode.
2. The setting parameter will flash.
3. Press [  ] or [  ] button to set the desired data.
4. Press [  ] button to confirm setting and exit.
5. The alarm will sound when the alarm setting is finished and turned on.

### TURN ON/OFF ALARM

Press the [  ] button to turn on/off the alarm.




## OPERATION



1. At the set alarm time, alarm signal rings.
2. During the alarm, press the [  ] button to delay the alarm by 5 minutes.

3. To stop the alarm, press [  ] or any other button, except for [  ].
5. The alarm will start again at the next alarm time, unless you switch off the alarm function by pressing the [  ] button until the alarm is set to off.



## WEATHER FORECAST

This device calculates a weather forecast for the next 12 hours on basis of the measured values. It has 5 kinds of weather forecast.


SYMBOL	DESCRIPTION
	Sunny
	Clear to overcast
	Cloudy

	Rainy
	Snowy

## BAROMETER

Press and hold [  ], then press [  ] to enter pressure unit setting to select inHg or mB/hPa.

## LANGUAGE


- Press and hold [  ] button to enter time setting, press [  ] to enter language setting.
- Sequence of setting weekday language:

German (GE) → French (FR) → Spanish (SP)  
→ Italian (ITA) → Dutch (DU) → Danish (DA)  
English (EN)

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






## TEMPERATURE AND HUMIDITY

The indoor temperature and humidity are always displayed in the left bottom corner of the screen. To receive outdoor temperature and humidity, you can connect up to 3 outdoor sensors to the main unit.


Press the [  ] button to toggle between Channel 1-3.

**NOTE:** When the indoor temperature is lower than -9.9 °C (14.3 °F), the screen displays LL.L. When the temperature is higher than 50 °C (122 °F), the screen displays HH.H.

## OUTDOOR TEMPERATURE ALARM SETTING



- Press the [  ] button to toggle between Channel 1-3.
- Press and Hold [  ] enter to set temperature alarm. The setting parameter will flash.
- Press [  ] or [  ] button to set the desired data.
- Press [  ] button to confirm setting and enter to next parameter.
- Sequence of setting: Outdoor upper temperature limit → outdoor lower temperature limit


## OUTDOOR TEMPERATURE ALARM OPERATION

- Press [  ] to turn on/off temperature alarm.
- When the measured temperature is greater than the set upper limit or lower than the set lower limit, the station will give an alarm.

## COMFORT INDICATION

The comfort indication is a pictorial indication based on indoor air temperature and humidity in an attempt to determine comfort level.

SYMBOL	DESCRIPTION
	Too dry
	Comfortable
	Too wet

**NOTE:** Comfort indication can vary under the same temperature, depending on the humidity. There is no comfort indication  when temperature is below 20°C (68°F) or above 28°C (82.4°F).

## SPECIFICATIONS

### MAIN UNIT:

#### Dimensions

130 x 44 x 110 mm (L x W x H)

#### Weight

127 g (Exclude batteries)

#### Power:

2x AAA (LR03) 1.5V batteries

## TEMPERATURE:

### Temperature display range:

-9.9°C to +50°C (14.3°F to 122°F)

## HUMIDITY:

### Indoor/outdoor humidity range:

20% - 95% RH

## OUTDOOR SENSOR:

### Dimensions:

50 x 25 x 95 mm (L x W x H)

### Weight:

45 g (Exclude batteries)

### Transmission range:

30 m (98 ft)

### Temperature range:

-40°C to 70°C (-40°F to 158°F)

### Signal frequency:

433 MHz


### Maximum transmission power:

under 10mW

### Power:

2x AAA (LR03) 1.5V batteries

## EC DECLARATION OF CONFORMITY

 Hereby, Guangzhou Bresser Optical Instruments Co., Ltd declares that the WSH4501 product complies with directive 2014/53/EU. The full text of the Declaration of Conformity is available at the following web address: <https://www.explorescientific.it/certificati-di-conformita/WSH4501.pdf>

## RCM DECLARATION OF CONFORMITY


 The adapter complies with electrical safety, EMC and radio spectrum regulatory requirements for products supplied to the Australia or New Zealand market.

## NOTES ON CLEANING

- Remove the batteries before cleaning.

- Only use a dry cloth to clean the exterior of the device. To avoid damaging the electronics, do not use any cleaning fluid.
- Protect the device from dust and moisture.

## DISPOSAL

 Dispose of the packaging materials properly, according to their type, such as paper or cardboard. Contact your local waste-disposal service or environmental authority for information on the proper disposal.



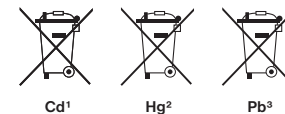
Do not dispose of electronic devices in the household garbage!

As per the Directive 2002/96/EC of the European Parliament on waste electrical and electronic equipment and its adaptation into German law, used electronic devices must be collected separately and recycled in an environmentally friendly manner.



In accordance with the regulations concerning batteries and rechargeable batteries, disposing of them in the normal household waste is explicitly forbidden. Please make sure to dispose of your

used batteries as required by law – at a local collection point or in the retail market. Disposal in domestic waste violates the Battery Directive. Batteries that contain toxins are marked with a sign and a chemical symbol.



<sup>1</sup> battery contains cadmium

<sup>2</sup> battery contains mercury

<sup>3</sup> battery contains lead

## WARRANTY & SERVICE

The warranty terms and conditions can be consulted on the following website:  
<https://explorescientific.net.au/terms-conditions/>



**MANUAL DOWNLOAD:**

[https://bit.ly/ES\\_WSH4501\\_AUS](https://bit.ly/ES_WSH4501_AUS)

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