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› Brandson 5-in-1 Weather Station with Outdoor Sensor User Manual

Brandson A305385x40

Brandson 5-in-1 Weather Station User Manual

Model: A305385x40

Brand: Brandson

INTRODUCTION

Welcome to your new Brandson 5-in-1 Weather Station. This device provides comprehensive real-time weather data, including temperature, humidity, wind speed and direction, rainfall, and atmospheric pressure. It also features an alarm clock with DCF atomic time synchronization. This manual will guide you through the setup, operation, and maintenance of your weather station.

SAFETY INFORMATION

- Read all instructions carefully before use.
- Keep the device away from extreme temperatures, direct sunlight, strong vibrations, and impacts.
- Do not immerse the main unit in water. The outdoor sensor is IPX4 splash-proof but should not be submerged.
- Use only specified power adapters and batteries.
- Do not attempt to disassemble or repair the device yourself. Contact qualified personnel for service.
- Dispose of batteries and electronic waste responsibly according to local regulations.

PACKAGE CONTENTS

Please check that all items are present and in good condition:

- Weather Station Main Unit
- 5-in-1 Outdoor Sensor
- Mounting Hardware (for outdoor sensor)
- Power Adapter (DC 5V 1.2A, cable length 1.5m)
- User Manual



Image: Brandson 5-in-1 Weather Station main unit and outdoor sensor.

PRODUCT OVERVIEW

Main Unit (Indoor Display)

The main unit features a 7-inch (18 cm) color LED display with 3 levels of backlight brightness. It displays all important indoor and outdoor weather data, time, and alarm settings.

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PRODUKTDDETAILS

- 1** Bouton RÉGLAGES/ LUMINOSITÉ
- 2** Bouton ALARM
- 3** Bouton UP/TEMP
- 4** Bouton DOWN/VENT
- 5** Bouton PLUIE
- 6** Bouton CHANNEL
- 7** Bouton ALERT
- 8** Sortie USB par ex: pour recharger le téléphone portable
- 9** Alimentation électrique (fiche creuse DC 3,5mm)



Image: Main Unit Display Layout. Key display areas include weather forecast, temperature (high/low, feels like), day/date, rain indicator, wind indicator, time/alarm, outdoor temperature, outdoor humidity, indoor temperature/humidity, and atmospheric pressure.



Image: Main Unit Side Buttons and Ports. Features include buttons for settings/brightness, alarm, up/temp, down/wind, rain, channel, alert, USB output for charging, and DC power input.

5-in-1 Outdoor Sensor

The outdoor sensor integrates multiple measurement components into a single unit for comprehensive outdoor data collection. It is designed for outdoor use with IPX4 splash protection and includes a solar panel to extend battery life.

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- 1 COLLECTEUR DE PLUIE**
Avec capteur de pluie intérieur
- 2 PANNEAU SOLAIRE**
pour soulager la batterie
- 3 PROTECTION CONTRE LES RADITIONS** Protection du capteur de température & d'humidité situé en dessous

- 4 LIBELLE**
Pour orienter le capteur extérieur
- 5 GIROUETTE À VENT**
Pour mesurer la vitesse du vent
- 6 FLÈCHE DU VENT**
Indication de la direction du vent
- 7 TIGE DE FIXATION**

Image: 5-in-1 Outdoor Sensor Components. Includes rain collector, solar panel, radiation shield (for temperature/humidity sensor), bubble level, wind vane (for wind speed), wind direction arrow, and mounting pole.

SETUP GUIDE

1. Unpacking and Initial Inspection

Carefully remove all components from the packaging. Inspect for any damage. Keep packaging for future storage or transport.

2. Battery Installation

Main Unit:

The main unit requires 2 x 1.5V AA backup batteries (not included) in addition to the power adapter.

1. Open the battery compartment cover on the back of the main unit.
2. Insert 2 AA batteries, observing the correct polarity (+/-).

3. Close the battery compartment cover.

Outdoor Sensor:

The outdoor sensor requires 3 x 1.5V AA batteries (not included). The integrated solar panel helps prolong battery life.

1. Open the battery compartment cover on the outdoor sensor.
2. Insert 3 AA batteries, observing the correct polarity (+/-).
3. Close the battery compartment cover.

3. Outdoor Sensor Placement

Proper placement of the outdoor sensor is crucial for accurate readings.

1. Choose an open location, free from obstructions (trees, buildings) that could block wind or rain.
2. Ensure the sensor is mounted securely using the provided hardware.
3. Use the integrated bubble level to ensure the sensor is perfectly horizontal for accurate rain and wind measurements.
4. Orient the wind direction arrow (marked "N" for North) correctly.
5. The sensor has a transmission range of up to 100 meters in open areas. Consider this distance when choosing a location relative to the main unit.
6. While the sensor has a solar panel, avoid placing it in areas of constant shade if possible, to maximize battery life.

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PROPRIÉTÉS



Température intérieure et extérieure



Vitesse et direction du vent
Mesure de la pluie



Pluviométrie



Humidité de l'air
intérieur/ Extérieur
20%-95%



Pression atmosphérique
600-100 hPa



Indice de chaleur

ÊTRE TOUJOURS À LA POINTE DU PROGRÈS



13 cm

20,5 cm



36,5 cm

33 cm

Image: Outdoor Sensor showing IPX4 protection and 100-meter wireless range.

4. Powering On and Synchronization

1. Plug the power adapter into the main unit and then into a power outlet.
2. The main unit will power on and begin searching for the outdoor sensor.
3. The outdoor sensor will automatically transmit data to the main unit. This may take a few minutes. Ensure both units are within range.
4. Once connected, outdoor data (temperature, humidity, wind, rain) will appear on the main unit's display.
5. The DCF atomic clock synchronization will automatically set the time. This process can take several hours depending on your location and signal strength. Be patient if the time doesn't set immediately.

OPERATING INSTRUCTIONS

Display Overview

The main unit's display provides a wealth of information:

- Weather Forecast (pictograms)
- Daily High & Low Temperature / Feels Like Temperature
- Day of the Week & Date
- Rain Indicator
- Wind Indicator (speed and direction)
- Time / Alarm Display
- Outdoor Temperature Display
- Outdoor Humidity Indicator
- Indoor Temperature / Humidity Indicator
- Atmospheric Pressure Indicator

Button Functions (Refer to Product Overview image for button locations)

Button	Function
SETTINGS/BRIGHTNESS	Enter settings mode, adjust values, or change display backlight brightness (3 levels + OFF).
ALARM	Set alarm time, activate/deactivate alarm.
UP/TEMP	Increase value in settings, switch temperature units (°C/°F), view temperature history.
DOWN/WIND	Decrease value in settings, switch wind speed units (km/h, mph, m/s, knots, Beaufort), view wind history.
RAIN	Switch rainfall units (mm/inch), view rainfall history.
CHANNEL	Manually search for outdoor sensor signal (if connection is lost).
ALERT	Set weather alerts for temperature, humidity, wind speed, or precipitation.
SNOOZE/LIGHT (Touch button)	Activate snooze function during alarm, temporarily illuminate display.

Setting Time and Date

The DCF atomic clock function automatically sets the time. If manual adjustment is needed:

1. Press and hold the SETTINGS button to enter time setting mode.
2. Use UP/DOWN buttons to adjust values.
3. Press SETTINGS to confirm and move to the next setting (e.g., 12/24 hour format, hour, minute, year, month, day).
4. Press SETTINGS again to exit.

Setting Alarms

The station supports two alarm times.

1. Press the ALARM button to view Alarm 1. Press again for Alarm 2.
2. Press and hold ALARM to enter alarm setting mode.
3. Use UP/DOWN buttons to set the hour and minute.
4. Press ALARM to confirm.
5. Press ALARM repeatedly to toggle alarm ON/OFF.

Weather Alerts

You can set custom alerts for various weather parameters.

- 1. Press the ALERT button to cycle through alert types (temperature, humidity, wind, rain).
- 2. Press and hold ALERT to enter setting mode for the displayed alert type.
- 3. Use UP/DOWN buttons to set the desired upper or lower alert threshold.
- 4. Press ALERT to confirm and activate the alert. An alarm will sound when the threshold is met.

MAINTENANCE

Cleaning

Wipe the main unit and outdoor sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents.

Regularly check the rain collector funnel on the outdoor sensor for debris (leaves, dirt) and clean if necessary to ensure accurate rainfall measurement.

Battery Replacement

Replace batteries in both units when the low battery indicator appears on the display. Always replace all batteries in a unit at the same time with new ones of the same type.

Sensor Calibration (Advanced)

While the sensor is factory calibrated, minor adjustments might be possible for certain parameters. Refer to the detailed manual (if provided by manufacturer) or contact support for advanced calibration procedures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No outdoor data displayed.	Outdoor sensor out of range or batteries low/dead.	Move main unit closer to sensor. Replace sensor batteries. Press CHANNEL button on main unit to re-establish connection.
Inaccurate wind speed/direction.	Sensor not level or obstructed.	Check sensor mounting for levelness using the bubble level. Ensure no obstructions are blocking the wind cups or vane.
Inaccurate rainfall.	Rain collector blocked.	Check and clean the rain collector funnel for debris.
Time not synchronizing (DCF).	Weak signal or interference.	Ensure the main unit is not near electronic devices that cause interference. Try moving the main unit to a different location. Allow several hours for synchronization.
Display is dim or off.	Power adapter issue or low backup batteries.	Check power adapter connection. Replace backup batteries. Adjust backlight brightness using the SETTINGS/BRIGHTNESS button.
Unit freezes or behaves erratically.	Temporary software glitch.	Remove batteries from both units and unplug the main unit. Wait a few minutes, then reinsert batteries and plug in the main unit to perform a soft reset.

SPECIFICATIONS

Feature	Detail
Model Number	A305385x40
Brand	Brandson
Main Unit Display	7-inch (18 cm) Color LED with 3 backlight levels
Indoor Temperature Range	0°C to 50°C (32°F to 122°F)
Outdoor Temperature Range	-40°C to 70°C (-40°F to 158°F)
Humidity Range (Indoor & Outdoor)	20% to 95% RH
Atmospheric Pressure Range	600 to 1100 hPa (17.72 to 32.48 inHg or 450 to 825.1 mmHg)
Rainfall Range	0 to 9999 mm
Wind Speed Range	0 to 180 km/h
Wireless Frequency	433.92 MHz
Wireless Range	Up to 100 meters (open area)
Outdoor Sensor Protection	IPX4 (Splash-proof)
Main Unit Power	DC 5V 1.2A Power Adapter, 2 x 1.5V AA backup batteries
Outdoor Sensor Power	3 x 1.5V AA batteries (with solar panel for extended life)
Main Unit Dimensions	20.5 x 13 x 3.2 cm
Outdoor Sensor Dimensions	31 cm (L) x 13.5 cm (W) x 36.5 cm (H)

WARRANTY AND SUPPORT

Your Brandson 5-in-1 Weather Station comes with a**2-year manufacturer's warranty**.

For technical support, warranty claims, or further assistance, please contact Brandson customer service. Refer to the contact information provided on the product packaging or the official Brandson website.

Please retain your proof of purchase for warranty purposes.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question