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› Bresser Additional Base Station for Weather Center 7002580 User Manual

BRESSER 7902580

Bresser Additional Base Station User Manual

MODEL: 7902580

1. PRODUCT OVERVIEW

The Bresser Additional Base Station for the 5-in-1 Wi-Fi Weather Center (Model 7902580) is designed to provide an overview of measured weather values in multiple rooms. This unit functions as a display and data logger, compatible with various BRESSER weather centers operating on an 868 MHz radio frequency. It allows for convenient monitoring of environmental conditions without needing to be in the same room as the primary weather station.

Key Features:

- **Display of Measurement and Historical Data:** Provides current and past environmental readings.
- **Alarm/Wake-up Function:** Customizable alarms for various parameters.
- **Frost/Ice Alert:** Special warning for outdoor temperatures at or below -3 °C.
- **Data Memory:** Internal storage and evaluation of measurement data over a 24-hour period.
- **Indoor Air Humidity and Temperature:** Displays internal environmental conditions in °C/°F.
- **Heat Index and Dew Point:** Calculated values for comprehensive weather analysis.
- **Moon Phases:** Graphical representation of lunar phases.
- **Radio-Controlled Time and Date Setting:** Ensures accurate timekeeping.
- **Compatibility:** Works with Bresser weather stations including 7002580, 7002581, 7002585, WSX3001CM3LC2, WSX1001CM3LC2.



Figure 1: Front view of the Bresser Additional Base Station, showcasing its multi-color display with various weather parameters.

Note: This product is an additional base station only. It does not include an outdoor sensor. An existing compatible Bresser outdoor sensor is required for full functionality.

2. SETUP

2.1 Unpacking and Initial Inspection

Carefully remove all components from the packaging. Verify that all items listed in the 'Scope of Delivery' are present and undamaged. The package should contain the base station, a stand, and a power adapter.

2.2 Powering the Base Station

1. Connect the provided power adapter to the DC input port on the back of the base station.
2. Plug the power adapter into a standard electrical outlet.

3. The display will illuminate, and the base station will begin its initial setup process, including searching for a radio signal for time synchronization and compatible outdoor sensors.

2.3 Attaching the Stand

Insert the base station into the provided stand. Ensure it is securely seated to prevent accidental tipping.

2.4 Sensor Pairing (Automatic)

The base station will automatically attempt to connect with compatible Bresser outdoor sensors (e.g., from a 5-in-1 weather center) within range (868 MHz frequency). Ensure your outdoor sensor is powered on and functioning correctly. Pairing typically occurs within a few minutes. If pairing does not occur, refer to the Troubleshooting section.



Figure 2: Side view of the base station, illustrating its compact design and the attached stand.

3. OPERATING INSTRUCTIONS

3.1 Display Overview

The multi-color display provides a comprehensive overview of various weather data. Key areas typically include:

- **IN (Indoor):** Displays indoor temperature and humidity.
- **OUT (Outdoor):** Displays outdoor temperature and humidity (from paired sensor).
- **WIND:** Shows wind speed and direction.
- **BARO:** Displays barometric pressure.
- **RAIN:** Shows rainfall data.
- **FORECAST:** Graphical weather trend forecast for the next 12 hours.
- **INDEX:** Heat index and dew point.
- **TIME/DATE:** Current time, date, and Moon phase.

3.2 Button Functions

The base station features several buttons, typically located below the display, for navigation and settings:

- **CHANNEL:** Used to switch between different sensor channels if multiple outdoor sensors are paired (not applicable for single 5-in-1 sensor).
- **HISTORY:** Accesses historical data records for various parameters.
- **MAX/MIN:** Displays maximum and minimum recorded values for temperature, humidity, etc. Pressing repeatedly cycles through different parameters.
- **ALARM:** Sets and activates alarms for specific weather conditions (e.g., high/low temperature, frost alert).
- **SET:** Enters settings mode for time, date, units, and other configurations.
- **UP/DOWN Arrows:** Used for adjusting values in settings mode or navigating through history/max/min data.

3.3 Setting Alarms

1. Press the **ALARM** button to enter alarm setting mode.
2. Use the **UP/DOWN** arrows to select the desired alarm type (e.g., temperature, frost).
3. Press **SET** to confirm and adjust the alarm threshold using the **UP/DOWN** arrows.
4. Press **SET** again to save the setting.
5. To activate/deactivate an alarm, select it and press the **ALARM** button. An alarm icon will appear on the display when active.

4. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your Bresser Additional Base Station.

- **Cleaning:** Use a soft, dry cloth to clean the display and casing. Do not use abrasive cleaners or solvents, as they may damage the surface.
- **Placement:** Place the base station on a stable, flat surface indoors, away from direct sunlight, heat sources, and excessive moisture.
- **Power Supply:** Only use the original power adapter supplied with the unit.
- **Storage:** If storing the unit for an extended period, disconnect the power adapter.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your base station.

Problem	Possible Cause	Solution
No display/Unit not powering on.	Power adapter not connected or faulty.	Ensure the power adapter is securely plugged into the unit and a working electrical outlet. Test the outlet with another device.
Outdoor data not displayed or flashing.	No connection to outdoor sensor.	Ensure the outdoor sensor is powered on and within range (max 150m line of sight). Check sensor batteries. Perform a manual sensor search (refer to your main weather station manual for sensor reset/pairing instructions).

Problem	Possible Cause	Solution
Incorrect time/date.	Radio signal not received or weak.	Place the base station near a window or in an open area away from electronic interference. Allow several hours for the signal to be received. Manual time setting is also possible via the SET button.
Inaccurate readings.	Improper placement or environmental factors.	Ensure the base station is not in direct sunlight or near heat/cold sources. For outdoor sensor accuracy, ensure it is placed in a well-ventilated area, away from direct rain and sunlight.

6. SPECIFICATIONS

Parameter	Value
Brand	BRESSER
Item Model Number	7902580
Product Dimensions (L x W x H)	16.8 x 14.3 x 2.4 cm
Weight	580 grams
Material	Plastic
Color	Black
Connectivity Technology	Wi-Fi (for data transmission from sensor)
Power Source	AC Adapter
Recommended Uses	Home weather monitoring
Specific Uses	Temperature, Humidity, Wind, Rain, Barometric Pressure display
Country of Origin	China

7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official BRESSER website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.
BRESSER Official Website: www.bresser.de

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