

BRESSER 15197

BRESSER 4CAST 18.5" Wi-Fi Weather Station Instruction Manual

Model: 15197 | Brand: BRESSER

INTRODUCTION

The BRESSER 4CAST 18.5" Wi-Fi Weather Station with its 8-in-1 outdoor sensor provides a comprehensive overview of local weather conditions and internet-sourced data. This advanced station features a large display, detailed 14-day weather forecasts, and WBGT temperature readings with heat stress level indications. Its Wi-Fi connectivity ensures weather information is always accessible and up-to-date.

This manual provides essential information for setting up, operating, and maintaining your weather station to ensure optimal performance and accurate readings.

PACKAGE CONTENTS

Please check the package contents carefully upon unpacking. If any items are missing or damaged, contact your retailer.

- Base Station with AC Adapter
- 8-in-1 Outdoor Sensor
- Instruction Manual

SETUP

1. Base Station Setup

1. **Power Connection:** Connect the included AC adapter to the base station and plug it into a power outlet. For backup power, insert one CR2032 battery (not included) into the designated compartment.
2. **Initial Display:** The display will light up, and the station will begin searching for the outdoor sensor and attempting to connect to Wi-Fi.
3. **Wi-Fi Configuration:** Download the WSLink app on your smartphone or tablet. Follow the in-app instructions to connect your base station to your home Wi-Fi network. This enables access to online weather data, 14-day forecasts, and data sharing platforms like ProWeatherLive and Weathercloud.

2. 8-in-1 Outdoor Sensor Setup

1. **Battery Installation:** The 8-in-1 sensor is primarily solar-powered. For initial setup and during periods of low sunlight, insert three AA batteries (not included) into the sensor's battery compartment. Ensure correct polarity.
2. **Mounting Location:** Choose an outdoor location that is open and unobstructed to ensure accurate readings for wind, rain, and sunlight. The sensor has an impressive range of up to 150 meters from the base station.
3. **Orientation:** Mount the sensor securely using the provided hardware. Ensure the solar panel is oriented towards the sun for optimal charging. The wind vane should be able to rotate freely.
4. **Sensor Pairing:** The base station should automatically detect and pair with the 8-in-1 sensor once both are powered on. If pairing fails, refer to the troubleshooting section.



Image: The BRESSER 8-in-1 outdoor sensor, designed for comprehensive weather data collection.



Image: The 8-in-1 outdoor sensor shown with its mounting base, ready for installation.

OPERATING INSTRUCTIONS

1. Display Overview

The 18.5-inch multi-color display provides a wealth of information at a glance. Key areas include:

- **Outdoor Data:** Temperature, humidity, wind speed and direction, precipitation, UV level, light intensity, and WBGT.
- **Indoor Data:** Temperature, humidity, and indoor climate comfort indicator.
- **Forecast:** Local 24-hour and 14-day forecasts with max/min temperatures and precipitation probability via ProWeatherLive.
- **Atmospheric Pressure:** Current barometric pressure readings.
- **Time & Date:** Current time, date, day of the week, and moon phase.
- **Astronomical Data:** Sunrise/sunset and moonrise/moonset times.
- **Weather Indices:** Feels like temperature, heat index, dew point, wind chill factor, and Beaufort scale index.

- **Visibility & Cloud Cover:** Local visibility conditions and cloud cover via ProWeatherLive.

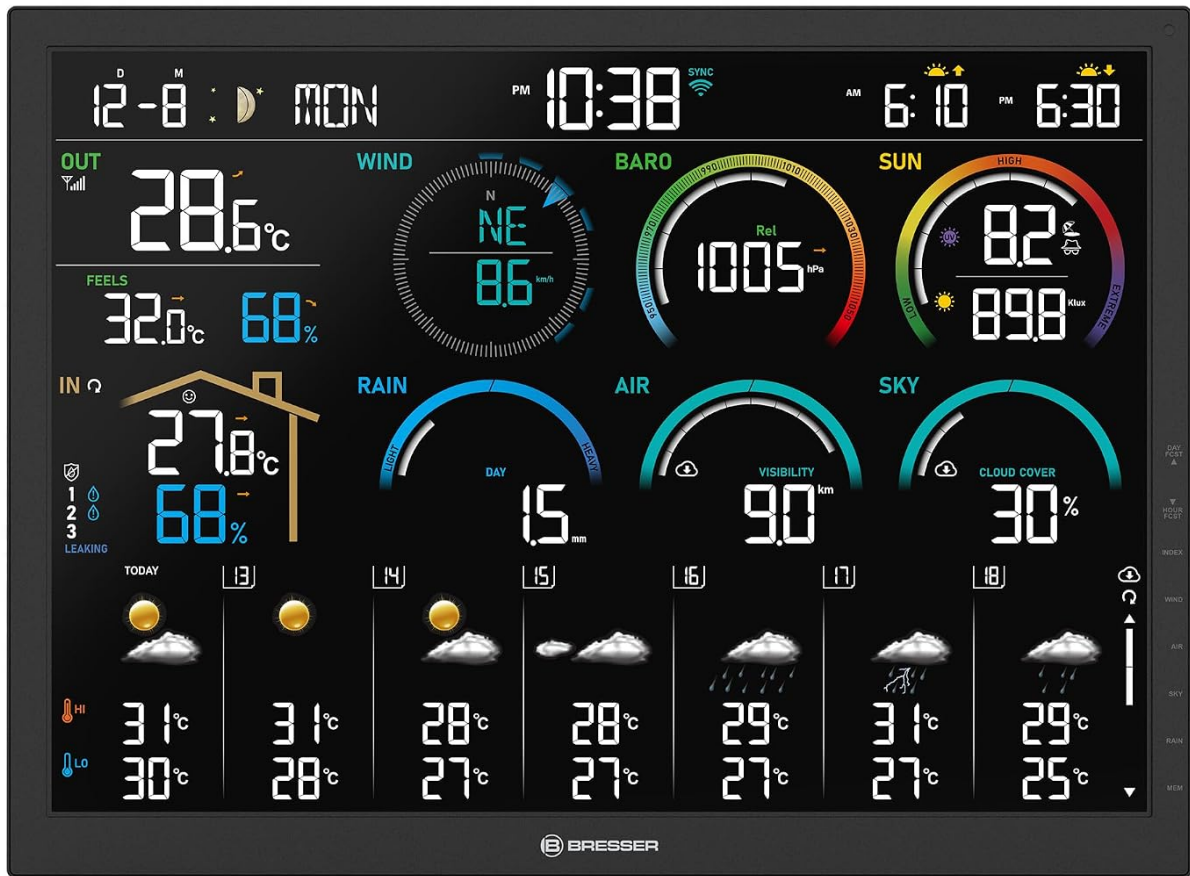


Image: The main display of the BRESSER 4CAST 18.5" Wi-Fi Weather Station, showing various weather parameters.



Image: An angled view of the weather station display, highlighting its clear and comprehensive layout.

2. Key Features

- **14-Day Forecast:** Plan your outdoor activities with confidence using the detailed local forecast provided by the ProWeatherLive server.
- **WBGT (Wet Bulb Globe Temperature):** This value combines ambient temperature, radiant heat, and humidity to calculate heat stress. The station provides a WBGT value and a heat stress index to help you understand when your body needs a break, especially during hot weather.
- **Indoor Climate Monitoring:** The base station includes an integrated thermometer and hygrometer. The indoor climate comfort indicator helps you maintain an optimal environment in your home or office.
- **Wi-Fi Data Sharing:** Publish your local weather data to platforms like ProWeatherLive or Weathercloud, joining a global weather community.
- **Max/Min Value Memory:** The station records maximum and minimum values for various parameters, helping you track weather trends over time.
- **Weather Alerts:** Receive alerts via ProWeatherLive to stay informed about significant weather changes.
- **Automatic Backlight Dimmer:** The display backlight adjusts automatically for comfortable viewing in various

lighting conditions.

3. WSLink App

The WSLink app facilitates easy connection to Wi-Fi and weather platforms. It also allows for calibration of weather data and firmware updates for your station, ensuring it always runs with the latest features and accuracy.

4. Optional Sensors

The BRESSER 4CAST Weather Station is compatible with various optional sensors (not included) to expand its monitoring capabilities:

- Thermo-hygrometer sensors for additional indoor climate zones.
- Soil and pool sensors for garden monitoring.
- Water detectors and lightning sensors.
- PM2.5/10, CO2, HCHO + VOC sensors for air quality monitoring.

MAINTENANCE

- **Sensor Cleaning:** Periodically check the 8-in-1 outdoor sensor for debris, especially the rain collector and wind cups. Clean gently with a soft, damp cloth. Avoid abrasive cleaners.
- **Battery Replacement:** Replace the AA batteries in the 8-in-1 sensor when the low battery indicator appears on the base station. Replace the CR2032 backup battery in the base station as needed.
- **Firmware Updates:** Regularly check for firmware updates via the WSLink app to ensure your station has the latest features and bug fixes.
- **Display Cleaning:** Clean the base station display with a soft, lint-free cloth. Do not use harsh chemicals.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No outdoor sensor data on display	Sensor batteries low or dead; sensor out of range; interference; sensor not paired.	Replace sensor batteries. Move sensor closer to base station. Check for obstructions. Re-pair sensor (refer to manual for specific steps if auto-pairing fails).
Wi-Fi connection failure	Incorrect Wi-Fi password; router too far; network issues; WSLink app not configured correctly.	Verify Wi-Fi password. Move base station closer to router. Restart router. Use WSLink app to reconfigure Wi-Fi settings.
Inaccurate temperature/humidity readings	Sensor exposed to direct sunlight/heat source; sensor blocked; calibration needed.	Relocate sensor to a shaded, well-ventilated area. Ensure no obstructions. Use WSLink app for calibration if available.
Rain gauge not registering rain	Rain collector blocked by debris; tipping bucket mechanism stuck.	Clean the rain collector funnel and check the tipping bucket for obstructions.
Wind speed/direction inaccurate	Wind cups/vane obstructed; sensor not level.	Ensure wind cups and vane rotate freely. Check that the sensor is mounted level.

SPECIFICATIONS

Feature	Detail
Model Number	15197
Display Type	18.5-inch Multi-color LCD
Connectivity Technology	Wi-Fi
Outdoor Sensor Type	8-in-1 (Temperature, Humidity, Wind Speed, Wind Direction, Precipitation, UV Level, Light Intensity, WBGT)
Outdoor Sensor Power	Solar-powered with 3x AA battery backup (not included)
Base Station Power	AC Adapter (included) with 1x CR2032 backup battery (not included)
Wireless Range	Up to 150 meters (line of sight)
Temperature Accuracy	±1°C
Material	Plastic
Product Dimensions (L x W x H)	30.7 x 41.5 x 3 cm
Item Weight	2.78 Kilograms
Special Features	Weather Alerts, Indoor Climate Indicator, Beaufort Index, Weather Index, Sunrise/Sunset, Max/Min Memory, Moon Phases, Rain Probability, Weather Forecasts, Visibility, Cloud Cover, Multi-color Display

WARRANTY INFORMATION

Specific warranty details for the BRESSER 4CAST 18.5" Wi-Fi Weather Station are typically provided with your purchase documentation or on the manufacturer's official website. Please refer to these sources for the most accurate and up-to-date warranty terms and conditions.

SUPPORT

For technical assistance, troubleshooting beyond this manual, or inquiries regarding your BRESSER 4CAST 18.5" Wi-Fi Weather Station, please contact BRESSER customer support. Contact information can usually be found on the manufacturer's website or in your product packaging.