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OBET B66-Multi

OBET Weather Station User Manual

Model: B66-Multi
Brand: OBET

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your OBET B66-Multi Wireless Indoor Outdoor Weather Station. This device is designed to accurately monitor temperature and humidity both indoors and in up to three remote outdoor locations, offering valuable environmental data and weather forecasts.

PACKAGE CONTENTS

Please verify that all components are present and in good condition upon opening the package:

- 1 x OBET B66-Multi Main Display Unit
- 3 x Wireless Outdoor Sensors (BTX3)
- 1 x USB Power Cable
- 1 x User Operating Instructions Manual



Image: The main display unit and three wireless sensors included in the package.

SETUP

1. Powering the Main Display Unit

The main display unit can be powered via the included USB cable or by 3xAA batteries (not included). For continuous backlight display, USB power is recommended. Batteries serve as a backup power source and will turn off the backlight after 10 seconds to conserve energy.

1. **USB Power:** Connect the provided USB cable to the main unit and a compatible USB power adapter (not included).
2. **Battery Power:** Open the battery compartment on the back of the main unit and insert 3xAA batteries, observing polarity.



Image: Rear view of the main unit, highlighting the battery compartment and USB power input.

2. Installing Batteries in Wireless Sensors

Each wireless sensor requires 2xAA batteries (not included). Ensure correct polarity when inserting batteries.

1. Open the battery compartment on the back of each sensor.
2. Insert 2xAA batteries into each sensor.
3. Close the battery compartment securely.

The sensors are designed for stable signal transmission up to 500ft (150m) in open air. For optimal performance, place sensors in locations that minimize obstructions like thick walls or large metal objects. Each sensor has a channel switch (1, 2, or 3) inside the battery compartment. Ensure each sensor is set to a unique channel to avoid interference.



Image: Wireless sensor with its battery compartment open, showing where to insert AA batteries.



Image: Close-up of a wireless sensor showing the channel selection switch (1, 2, 3).

OPERATING INSTRUCTIONS

Display Overview

The 7.87-inch color digital screen provides clear and comprehensive data. It displays indoor temperature and humidity, along with readings from up to three outdoor sensors. Key sections include:

- **Sensor 1, 2, 3:** Displays temperature and humidity for each connected outdoor sensor.
- **Indoor:** Shows current indoor temperature and humidity.
- **Forecast:** Provides a 5-mode weather forecast based on barometric pressure changes.
- **Pressure:** Displays local atmospheric pressure and trends.



Image: Detailed view of the weather station's color LCD display, with labels for each data section.

Temperature and Humidity Monitoring

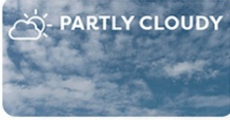
The weather station features high-accuracy sensors with a temperature accuracy of +/-1.8°F and humidity accuracy of +/-5%. It instantaneously responds to minuscule environmental changes.

5 MODE WEATHER FORECAST







SUNNY



PARTLY CLOUDY



OVERCAST



RAIN



THUNDERSTORM



Ice alarm

If the temp is 33.8~30.2°F, snowflake symbol will flash due to frost risk. If below 30.2°F for long, the symbol will be constantly displayed.

Image: Graphs illustrating the Max/Min record and trend indicators for temperature and humidity over 24 hours.

Weather Forecast and Pressure

The unit predicts weather conditions for the next 12 hours by analyzing changing atmospheric pressure. It automatically displays local pressure values and trends. You can manually set the pressure value and unit (inHg default or hPa).

- **5-Mode Forecast:** Sunny, Partly Cloudy, Overcast, Rain, Thunderstorm.
- **Frost/Snowflake Alert:** If the temperature is between 33.8°F and 30.2°F, a frost and snowflake icon will flash. If it remains below 30.2°F for an extended period, the snowflake icon will stay on.

TWO INSTALLATION METHODS



HANGING HOLE



DURABLE STAND

7.87 in

4.92 in

Image: Visual representation of the five weather forecast modes.

Temperature and Humidity Alerts

The weather station allows you to set temperature and humidity alarms. When the temperature or humidity exceeds a preset value, the unit will alert you to these environmental changes. This feature is useful for monitoring conditions in various locations such as kitchens, incubators, greenhouses, or wineries.

3 CHANNEL TEMPERATURE AND HUMIDITY ALARMS

Alert function adds convenience and ensures that you stay on top of any weather changes or important events.



KITCHEN



INCUBATOR



GREEN HOUSE



WINERY

Image: Depiction of the 3-channel alert function and suggested uses in different environments.

Adjustable Brightness

The display features 3 adjustable backlight settings: high, low, and off. When connected via USB, the backlight remains continuously on for clear visibility. On battery power, it automatically turns off after 10 seconds to save energy.

3-LEVEL ADJUSTABLE BACKLIGHT



Image: Visual representation of the three adjustable backlight levels (100%, 50%, 0%).

Fahrenheit/Celsius Toggle

The display supports both Fahrenheit (°F) and Celsius (°C) temperature units. Refer to the operating instructions for specific button presses to switch between these units.



- 1 When lower than -9.9°C , "■" is displayed on the leftmost side with a shorter minus symbol.
- 2 When 0°C to -9.9°C , "—" is displayed in the middle with a long minus symbol.

Image: The weather station display showing temperature readings in Celsius, with notes on how negative values are displayed.

Official Product Video

Watch this official product video from OBET Technology Co., Ltd for a quick overview of the weather station's features and functionality.

Your browser does not support the video tag.

Video: An official product video demonstrating the OBET Weather Station's features.

MAINTENANCE

- **Cleaning:** Wipe the display and sensors with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries in the main unit and sensors when the low battery indicator appears on the display.
- **Sensor Placement:** While sensors are rated IPX4 (splash-proof), it is recommended to place them in sheltered outdoor locations to protect them from direct heavy rain or prolonged exposure to harsh weather conditions.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No display on main unit	No power or low batteries.	Ensure USB cable is connected to a power source or replace AA batteries.
Sensor readings not appearing or intermittent	Sensor out of range, low sensor battery, or channel interference.	Move sensor closer to the main unit. Replace sensor batteries. Ensure each sensor is on a unique channel (1, 2, or 3).
Inaccurate readings	Sensor exposed to direct sunlight, heat sources, or moisture.	Relocate sensor to a shaded, well-ventilated area away from direct heat/moisture. Allow time for readings to stabilize.

SPECIFICATIONS

Feature	Detail
Brand	OBET
Model Number	B66-Multi
Display Type	LCD Color Screen
Power Source (Main Unit)	USB (DC5V 0.5A) or 3xAA Batteries
Power Source (Sensors)	2xAA Batteries per sensor
Connectivity Technology	Wireless
Wireless Range	Up to 500ft (150m) in open air
Temperature Accuracy	+/-1.8°F (+/-1°C)
Humidity Accuracy	+/-5%
Adjustable Backlight	3 Levels (High, Low, Off)
Product Dimensions	0.39 x 7.87 x 4.92 inches
Item Weight	1.23 pounds
Material	Plastic

WARRANTY & SUPPORT

For warranty information or technical support, please refer to the contact details provided in the original product packaging or visit the official OBET website. OBET is committed to providing quality products and satisfactory service. You can also find additional support and resources via the User Manual (PDF) provided by the manufacturer.