

Bios BBYCA10300783

BIOS Weather Indoor/Outdoor Wireless Thermometer & Hygrometer

Model: 312BC (BBYCA10300783)

Brand: Bios

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your BIOS Weather Indoor/Outdoor Wireless Thermometer & Hygrometer. Please read this manual thoroughly before using the device to ensure proper function and longevity.

The BIOS Weather Indoor/Outdoor Wireless Thermometer & Hygrometer is designed to provide accurate readings of indoor temperature and humidity, as well as outdoor temperature. It features wireless connectivity for the outdoor sensor, a moon phase display, and the capability to connect with up to three sensors (additional sensors sold separately).

- Wireless range up to 30 meters (100 feet) from the outdoor sensor.
- Indoor monitor includes a hygrometer sensor for RH percentage readings (20% to 95%).
- Displays temperature from up to 3 sensors (Model No. 312TX, sold separately).
- Tracks relative indoor humidity and moon phase.

PACKAGE CONTENTS

Upon opening the package, please verify that all components are present and in good condition:

- 1 x Main Display Unit (Indoor Monitor)
- 1 x Wireless Outdoor Sensor
- 1 x Instruction Manual (this document)



Image: The main display unit (left) and the wireless outdoor sensor (right). The main unit shows indoor temperature, humidity, moon phase, time, and outdoor temperature. The outdoor sensor displays its current temperature.

SETUP GUIDE

1. Battery Installation

Both the main display unit and the wireless outdoor sensor require batteries (not included).

1. Open the battery compartment on the back of both the main display unit and the outdoor sensor.
2. Insert the required batteries (e.g., AA or AAA, refer to the battery compartment markings for correct type and polarity).
3. Close the battery compartments securely.

Note:

- It is recommended to insert batteries into the outdoor sensor first, then the main display unit, to facilitate immediate pairing.
- Use high-quality alkaline batteries for optimal performance, especially in cold weather for the outdoor sensor.

2. Sensor Placement

Proper placement of both units is crucial for accurate readings and reliable wireless communication.

- **Main Display Unit:** Place indoors, away from direct sunlight, heat sources, or drafts that could affect temperature and humidity readings. Ensure it is within 30 meters (100 feet) of the outdoor sensor.
- **Wireless Outdoor Sensor:**
 - Mount in a shaded area to avoid direct sunlight, which can cause artificially high temperature readings.
 - Protect from direct rain and snow. An overhang or a weather-resistant enclosure is ideal.
 - Avoid placing near large metal objects, electrical appliances, or thick walls that could interfere with the wireless signal.
 - Ensure it is within the 30-meter (100-foot) wireless range of the main unit.

3. Initial Pairing

The main display unit and outdoor sensor should automatically pair upon battery installation. If pairing does not occur:

1. Ensure both units have fresh batteries.
2. Bring the outdoor sensor closer to the main display unit.
3. Press the "CH" (Channel) button on the main display unit to cycle through channels or initiate a search for the sensor.

- If issues persist, remove batteries from both units, wait a few minutes, and reinsert them, starting with the outdoor sensor.

OPERATING INSTRUCTIONS

1. Display Overview



Image: Angled view of the main display unit, highlighting the various segments for indoor temperature, humidity, moon phase, time, and outdoor temperature.

The main display unit provides the following information:

- **Indoor Temperature:** Displays the current temperature inside the room where the main unit is located.
- **Humidity:** Shows the relative indoor humidity percentage.
- **Outdoor Temperature:** Displays the temperature from the connected wireless outdoor sensor.
- **Time and Date:** Current time and date.
- **Moon Phase:** An icon indicating the current moon phase.
- **Channel Indicator:** Shows which outdoor sensor channel is currently displayed (if multiple sensors are used).

2. Button Functions

The main display unit features several buttons for configuration and viewing data:

Button	Function
SET	Enters setup mode for time, date, and other settings. Press to confirm settings.
▲ / ▼ (Up/Down)	Adjusts values during setup. Cycles through channels for outdoor sensors.
CH (Channel)	Switches between outdoor sensor channels (1, 2, 3) or initiates a search for sensors.
MEM (Memory)	Displays maximum and minimum temperature/humidity readings. Press again to clear.

3. Setting Time and Date

- Press and hold the **SET** button until the time display flashes.
- Use the **▲** or **▼** buttons to adjust the hour.

3. Press **SET** to confirm and move to the next setting (minutes, year, month, day).
4. Repeat steps 2 and 3 until all settings are configured.
5. Press **SET** one last time to exit setup mode.

4. Viewing Max/Min Readings

Press the **MEM** button to view the maximum recorded indoor temperature, humidity, and outdoor temperature. Press **MEM** again to view the minimum readings. To clear the memory, press and hold the **MEM** button while the max/min readings are displayed.

MAINTENANCE

1. Cleaning

To clean the display unit and outdoor sensor, use a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these may damage the plastic casing or electronic components.

2. Battery Replacement

When the battery indicator appears on the display, it is time to replace the batteries in the respective unit (main unit or outdoor sensor). Always replace all batteries in a unit at the same time with new, high-quality batteries of the correct type.

Important:

- Dispose of old batteries responsibly according to local regulations.
- If the unit will not be used for an extended period, remove the batteries to prevent leakage and damage.

TROUBLESHOOTING

If you experience issues with your BIOS Weather Thermometer & Hygrometer, please refer to the following common problems and solutions:

Problem	Possible Cause / Solution
No outdoor temperature reading or "---" displayed.	<ul style="list-style-type: none">• Batteries in outdoor sensor are low or dead. Replace with fresh batteries.• Outdoor sensor is out of range (max 30m/100ft). Move closer to the main unit.• Wireless interference. Move units away from large metal objects, electronics, or thick walls.• Sensor not paired. Press the "CH" button on the main unit to re-establish connection.
Inaccurate temperature/humidity readings.	<ul style="list-style-type: none">• Units are in direct sunlight or near heat/cold sources. Relocate to a shaded area (outdoor sensor) or away from vents/appliances (main unit).• Outdoor sensor exposed to extreme cold (below -20°C). The unit may cease to function properly in very low temperatures. Ensure proper protection or consider temperature limits.• Ventilation holes are blocked. Ensure sensors are clean and clear of debris.

Problem	Possible Cause / Solution
Display is dim or blank.	<ul style="list-style-type: none">Batteries are low or dead. Replace batteries in the main display unit.Screen visibility issues. Some users report difficulty reading the screen; ensure adequate lighting and viewing angle.
Time/Date is incorrect.	<ul style="list-style-type: none">Time/Date needs to be set manually. Follow instructions in the "Setting Time and Date" section.

PRODUCT SPECIFICATIONS



Image: The main display unit with indicated dimensions: 21.59 cm (length), 7.62 cm (width), and 19.05 cm (height).

Feature	Detail
Model Number	BBYCA10300783 (312BC)
Type	Indoor/Outdoor Thermometer and Hygrometer
Material	Plastic
Colour	White
Dimensions (Main Unit)	Height: 19.05 cm, Width: 7.62 cm, Depth: 21.59 cm
Weight	0.30 kg

Feature	Detail
Wireless Range	Up to 30 meters (100 feet)
Indoor Humidity Range	20% to 95% RH
Sensor Capability	Supports up to 3 outdoor sensors (additional sensors Model No. 312TX, sold separately)
Special Features	Wireless connectivity, Multi-Sensor support, Humidity Tracking, Moon Phase Display
Power Source	Battery Powered

WARRANTY INFORMATION

This BIOS Weather product comes with a **1-Year Warranty on Parts** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, accident, unauthorized modification, or improper installation. Please retain your proof of purchase for warranty claims.

CUSTOMER SUPPORT


If you have any questions, require technical assistance, or need to make a warranty claim, please contact Bios customer support. For more information and resources, you may also visit the official Bios store on Amazon:


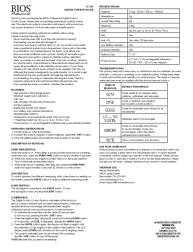
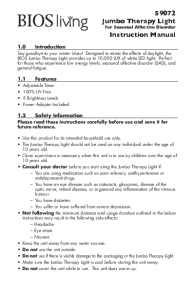


Visit the Bios Store on Amazon

Please have your product model number (BBYCA10300783) and purchase date ready when contacting support.

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Related Documents - BBYCA10300783

	<p>Bios Home Weather Station with PC Interface and Modems Instruction Manual</p> <p>Comprehensive instruction manual for the Bios Home Weather Station (HWS) with PC Interface and Modems, covering setup, operation, features, troubleshooting, and specifications.</p>
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	<p>BIOS Professional Thermometers and Kitchen Measurement Tools Catalog</p> <p>Explore the comprehensive range of BIOS Professional thermometers, including digital, analog, infrared, meat, candy, oven, and fridge thermometers, along with timers and scales. High-quality, NSF-certified, and ISO-accredited products for professional and home kitchens.</p>
	<p>BIOS Professional 601SC Digital Portion Scale User Manual</p> <p>Comprehensive user manual for the BIOS Professional 601SC Digital Portion Control Scale, detailing features, operating instructions, specifications, troubleshooting, and warranty information.</p>
	<p>BIOS 59072 Jumbo Therapy Light Instruction Manual for SAD</p> <p>Instruction manual for the BIOS 59072 Jumbo Therapy Light, designed to help alleviate symptoms of Seasonal Affective Disorder (SAD) and fatigue by mimicking natural daylight. Includes setup, usage, safety, and warranty information.</p>
<p>SPECIFICATION</p> 	<p>BIOS SkyViewTM Wellness Table Lamp: User Guide & Specifications</p> <p>Discover the BIOS SkyViewTM Wellness Table Lamp, featuring circadian technology for natural indoor lighting. Learn about its modes, brightness, app control, dimensions, and specifications.</p>
	<p>BIOS Thermometers & Hygrometers: Accurate Temperature & Humidity Measurement</p> <p>Discover BIOS Professional thermometers and hygrometers for precise indoor and outdoor temperature and humidity monitoring. Featuring pre-programmed settings, wireless connectivity, and digital displays. Explore models like HX158, IC678, IA808, IA504, IA505, IA506, IA497, IA807. Available from TENAQUIP Limited.</p>