

Inkbird IBS-M2

INKBIRD IBS-M2 WiFi Gateway Temperature Humidity Monitor Sensor User Manual

Model: IBS-M2

Brand: Inkbird

1. INTRODUCTION

The INKBIRD IBS-M2 is a multifunctional Wi-Fi gateway integrated with temperature and humidity sensors, designed to provide real-time monitoring and control via a smartphone application. It supports connection with multiple wireless/Bluetooth thermometers and hygrometers, offering comprehensive environmental monitoring for various settings.

Key features include:

- Real-time temperature and humidity monitoring.
- Multi-connectivity: Connects up to nine INKBIRD wireless/Bluetooth thermometers and hygrometers.
- Large LCD display for simultaneous viewing of multiple device readings.
- Real-time alerts and notifications for preset temperature/humidity thresholds.
- Up to 1 year of data storage with export capability.

2. WHAT'S IN THE BOX

- IBS-M2 Wi-Fi Gateway
- Charging Cable (Type-C)
- Power Adapter

3. PRODUCT OVERVIEW



The INKBIRD IBS-M2 WiFi Gateway and its accompanying mobile application display real-time temperature and humidity readings.

Wi-Fi Gateway with Thermo-Hygrometer Sensor



App Remote
Control



Multi-Sensor
Monitoring



Temperature
& Humidity



Alarms &
Notifications



Calibration
Function



°C/°F
Switch

Key features of the IBS-M2 include app remote control, multi-sensor monitoring, temperature and humidity tracking, alarms and notifications, calibration function, and Celsius/Fahrenheit switch.

Smart Wi-Fi Gateway for Smart Home Living

Simultaneously connect and monitor up to 9 INKBIRD wireless/
Bluetooth thermometers and hygrometers through a smartphone



The IBS-M2 Smart Wi-Fi Gateway integrates into smart home environments, connecting to various Inkbird wireless and Bluetooth thermometers and hygrometers.

Remote Monitoring from Smartphone

We can monitor everything about the IBS-M2 and its connected devices on a smartphone via a 2.4GHz Wi-Fi connection: view current temperature and humidity, check maximum/minimum/average values, see historical data, etc.



Monitor current temperature and humidity, view maximum/minimum/average values, and access historical data remotely via the 2.4GHz Wi-Fi connection.

Ultra-Large LCD Screen

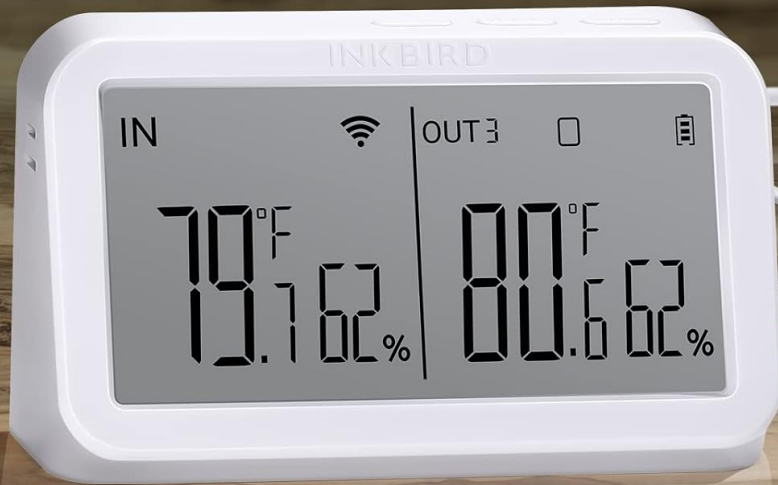
It features a thermo-hygrometer function and an ultra-large LCD screen, letting us know the current temperature and humidity detected by it and its connected devices at a glance.



The device features an ultra-large LCD screen displaying current temperature and humidity from the gateway and connected devices. An example of a connected floating pool thermometer is shown.

Up to 1 year of
data storage

Supports
data exporting via email



Receive real-time alert notifications on your smartphone when temperature or humidity levels exceed preset thresholds.
The device will also beep.

Receive alert notifications anytime, anywhere

We can set multiple alarming values and check all alarm records on the app. When the temperature/humidity alarm is triggered, the device will beep to remind us and send a notification message through the app.



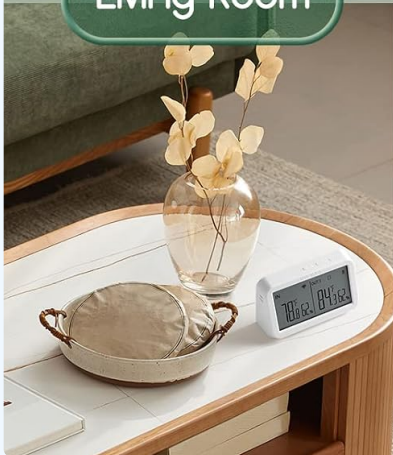
The IBS-M2 supports up to 1 year of data storage, with options for data exporting via email, accessible from mobile and desktop devices.

Bedroom

Pay close attention to temperature and humidity, provide a comfortable home for our family



Living Room



Basement



Wine Cellar



The compact and portable design of the IBS-M2 allows it to fit easily in various locations.



The IBS-M2 is suitable for monitoring temperature and humidity in various environments such as bedrooms, living rooms, basements, and wine cellars.

4. SETUP

4.1 Initial Power-On

Connect the provided Type-C charging cable to the IBS-M2 device and plug the power adapter into a standard electrical outlet. The device LCD screen will light up, indicating it is powered on.

4.2 App Download and Installation

Download the **INKBIRD** app from the App Store (iOS) or Google Play Store (Android). Register an account and log in.

4.3 Connecting to the INKBIRD App

The IBS-M2 connects to your Wi-Fi network. Please ensure your Wi-Fi network is **2.4GHz ONLY** for successful pairing. 5GHz networks are not supported for initial setup.

1. Open the INKBIRD app.
2. Tap the "+" icon in the top right corner to add a new device.
3. The app will search for nearby devices. Select "IBS-M2" from the list and tap "Add".
4. Follow the on-screen prompts to select your 2.4GHz Wi-Fi network and enter the password.
5. Once connected, the device status in the app will show "Online".

This video demonstrates the initial setup and connection process of the INKBIRD IBS-M2 WiFi Gateway, including unboxing, powering on, and connecting to the Inkbird app.

5. OPERATING INSTRUCTIONS

5.1 LCD Display Overview

The large LCD screen displays critical information at a glance:

- **IN:** Displays the temperature and humidity detected by the IBS-M2's internal sensor.
- **OUT:** Displays the temperature and humidity from connected sub-devices (e.g., OUT1, OUT2, etc.).
- **Wi-Fi Icon:** Indicates Wi-Fi connection status.
- **Battery Icon:** Shows the battery capacity of connected sub-devices.

5.2 Temperature Unit Switch

Press the °F/°C button on the device to switch between Celsius (°C) and Fahrenheit (°F) temperature units. The change will be reflected on the LCD and in the app.

6. MULTI-DEVICE MONITORING

The IBS-M2 can simultaneously connect and monitor up to nine INKBIRD wireless/Bluetooth thermometers and hygrometers. To add sub-devices:

1. Ensure your sub-device is in pairing mode (refer to the sub-device's manual for specific instructions).
2. In the INKBIRD app, navigate to the IBS-M2 device page.
3. Tap the option to add sub-devices (usually a "+" or "Add Device" button within the IBS-M2 interface).
4. The app will search for and display available sub-devices. Select the desired devices and confirm.

Once connected, you can monitor each sub-device's current temperature and humidity, view max/min/average values, and see 1-year history directly from the smartphone app.

7. ALERTS AND NOTIFICATIONS

Set custom high and low temperature/humidity alarming values for the IBS-M2 and its connected sub-devices through the INKBIRD app.

- When a detected temperature or humidity value reaches a preset alarm threshold, the associated device will emit an audible beep.
- A notification will be sent to your smartphone via the app.
- You can remotely turn off the alarm from the app.
- All alarm records are stored and can be reviewed within the app.

8. DATA STORAGE AND EXPORT

The IBS-M2 stores up to 1 year of historical temperature and humidity data. This data can be accessed and viewed graphically within the INKBIRD app.

For further analysis or record-keeping, data can be exported via email directly from the app. This feature allows users to maintain long-term records of environmental conditions.

9. APPLICATIONS

The INKBIRD IBS-M2 is designed to ensure a comfortable and controlled living or working environment. Its versatility makes it suitable for a wide range of applications, including but not limited to:

- **Residential Use:** Monitoring temperature and humidity in bedrooms, living rooms, basements, and attics to optimize comfort and prevent issues like mold or excessive dryness.
- **Specialized Environments:** Ideal for spaces requiring strict environmental control, such as wine cellars, cigar humidors, grow tents, greenhouses, and cheese rooms.
- **Storage Areas:** Ensuring optimal conditions for stored goods, sensitive electronics, or documents.

10. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or immerse the device in water.
- **Power:** The device is powered via a Type-C cable. Ensure a stable power supply for continuous operation.
- **Placement:** Place the device in a location where it can accurately measure the ambient temperature and humidity, away from direct sunlight, heat sources, or drafts.

11. TROUBLESHOOTING

- **Device Not Connecting to Wi-Fi:**
 - Ensure your Wi-Fi network is 2.4GHz. The device does not support 5GHz networks for connection.
 - Check if the Wi-Fi password entered is correct.
 - Move the device closer to your Wi-Fi router to improve signal strength.
 - Restart the IBS-M2 device and your Wi-Fi router.
- **Sub-Device Not Pairing:**
 - Ensure the sub-device is within range of the IBS-M2 gateway.
 - Verify the sub-device is in pairing mode as per its specific manual.
 - Check the sub-device's battery level.
- **Inaccurate Readings:**
 - Ensure the device and sensors are not exposed to extreme conditions or direct sources of heat/cold.
 - Allow the device to stabilize for a few minutes after placement.
 - Consider using the calibration function in the app if available and necessary.
- **Alarms Not Triggering/Notifications Not Received:**

- Check alarm settings in the app to ensure thresholds are correctly set.
- Verify that app notifications are enabled in your smartphone's settings.
- Ensure the IBS-M2 has a stable Wi-Fi connection.

12. SPECIFICATIONS

Specification	Value
Package Dimensions	5.28 x 3.7 x 3.03 inches; 10.55 ounces
Date First Available	November 3, 2022
Manufacturer	Inkbird
ASIN	B0BLCBDX6F
Brand	Inkbird
Mounting Type	Tabletop
Operating Humidity	30-60%
Temperature Accuracy	0.5

13. WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the official Inkbird website or contact their customer service directly.

A comprehensive User Manual in PDF format is also available for download:[Download User Manual \(PDF\)](#)