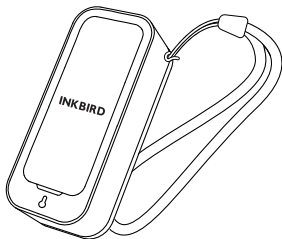
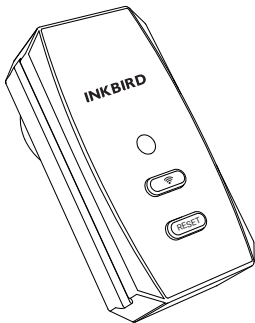


INKBIRD



ITH-11-B Temperature-Humidity Sensor
with IBS-M2S-B WiFi Gateway User Manual



Please keep this manual properly for reference. You can also scan the QR code below to visit our official website for product instructions. For any usage issues, please feel free to contact us at **support@inkbird.com**.

Wenn Sie eine Bedienungsanleitung in deutscher Sprache benötigen, scannen Sie bitte den QR-Code und besuchen Sie unsere Website, um sie zu erhalten und ein Video über die Verwendung des Produkts zu sehen.

Se avete bisogno di un manuale di istruzioni in italiano, scansionate il codice QR e visitate il nostro sito web per ottenerlo e vedere un video su come utilizzare il prodotto.

Si vous avez besoin d'un mode d'emploi en français, veuillez scanner le code QR pour visiter notre site officiel afin d'obtenir et de visionner la vidéo d'utilisation du produit!

Als je een Nederlandstalige handleiding nodig hebt, scan dan de QR-code om naar onze officiële website te gaan en bekijk de video over het gebruik van het product!

Si necesita el manual de instrucciones en español, escanee el código QR para ir a nuestro sitio web oficial y ver el vídeo sobre cómo utilizar el producto.



Warm tips

- To quickly jump to a specific chapter page, click on the relevant text on the contents page.
- You can also use the thumbnail or document outline in the top left corner to quickly find a specific page.

CONTENTS

01 Overview 01

02 Technical Specifications 01

03 Product Diagram 03

04 Key Definitions 05

05 APP Installation & Connection ... 06

06 Important Notes/Warnings 15

07 Troubleshooting Guide 15

08 FCC Requirement 17

09 IC Warning 19

10 Customer Service 22

01

Overview

This combination of ITH-11-B Temperature-Humidity Sensor and IBS-M2S-B WiFi Gateway allows you to remotely monitor the sensor temperature and humidity through gateway networking, check historical data and receive timely alarm notifications.

02

Technical Specifications

- **IBS-M2S-B WiFi Gateway(receiver):**

Input Voltage: AC 100~240V 50/60Hz

Longest Bluetooth Transmission Distance: up to 262 feet without interference (Interference will limit transmission)

Number of ITH-11-B Sensors Supported: up to 10 sensors at the same time

- **ITH-11-B BLE sensor (transmitter):**

Power: 2*AAA/3.0V(batteries included)

Battery life: 9 months

Temperature Measurement Range: $-40^{\circ}\text{C} \sim 60^{\circ}\text{C}$ ($-40^{\circ}\text{F} \sim 140^{\circ}\text{F}$)

Temperature Display Accuracy: 0.1°C (0.1°F)

Temperature Measurement Accuracy: $\pm 0.2^{\circ}\text{C}$ ($\pm 0.36^{\circ}\text{F}$)

Humidity Measurement Range: $0\% \sim 99\%$

Humidity Measurement Accuracy: $\pm 2\%$

Humidity Display Accuracy: 1%

Temperature-Humidity Sampling Period: 3 sec

Waterproof Rating: IP65

Warranty: 1 Year

03 Product Diagram

- **IBS-M2S-B WiFi Gateway**

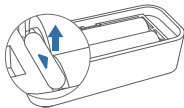


- **ITH-11-B Bluetooth Sensor**

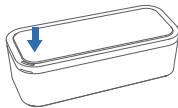
Please open the back cover to remove the insulation strip and make sure the batteries are inserted correctly, as indicated by the "+" and "-" signs. Then replace the back cover.



a



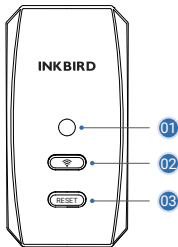
b



c

04 Key Definitions

• IBS-M2S-B WiFi Gateway



01 WiFi Indicator

02 WiFi Button

Press and hold the WiFi button for 5 seconds to reset the WiFi pairing. Once reset, follow the pairing steps to reconnect to the WiFi network.

03 Reset Button

Press and hold the RESET button for 5 seconds to unbind all sensors. After unbinding, follow the connection steps to rebind to each sensor.

05 APP Installation & Connection

5.1 Search the INKBIRD App from Google Play or App Store to get it for free, or you can scan the QR code below to download it directly.



NOTES:

1. Your iOS devices must be running iOS 12.0 or above to download the app smoothly.
2. Your android devices must be running android 7.1 or above to download the app smoothly.
3. The device supports a 2.4GHz Wi-Fi router only.
4. APP Location Permission Requirement: We need to obtain your location information to discover and add nearby devices. INKBIRD promises to keep your location information strictly confidential. And your location information will only be used for the location function of the App and will not be collected, used, or disclosed to any third party. Your privacy is very important to us. We will abide by relevant laws and regulations and take reasonable security measures to protect your information security.

5.2 Registration

Step1: Registering an account is necessary before using the INKBIRD app for the first time.

Step2: Open the app, select your Country/Region, and a verification code will be sent to you.

Step3: Enter the verification code to confirm your identity, and the registration is complete.

5.3 How to Connect

Open the INKBIRD app and click “+” on the top right corner to add a device. Then, follow the app instructions to complete the WiFi connection. Note that the device should be as close as possible to the smartphone and router during the connection process.

5.4 Add ITH-11-B Bluetooth Sensor

There are two ways to connect the ITH-11-B Bluetooth sensor to the IBS-M2S-B gateway.

A: Find and add the ITH-11-B Bluetooth sensor from the gateway's App page.

B: Add the ITH-11-B Bluetooth sensor via the INKBIRD app and then bind the gateway in the app settings page of the ITH-11-B.
See below for specific binding steps.

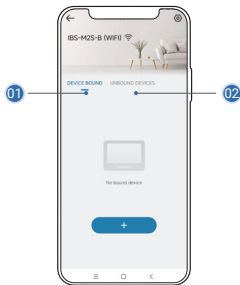
Connection Method 1 :

a) Firstly, plug in the IBS-M2S-B WiFi Gateway and start it up correctly. Then follow the above steps to establish the App connection. If the app connection has already been completed, skip this step.

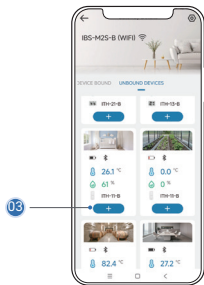
b) Secondly, install the battery of the ITH-11-B Bluetooth sensor , start it up correctly, and put it as close as possible to the IBS-M2S-B WiFi Gateway.

c) Add sub-devices through the phone APP, as shown in the figures below. Select the relevant device and click confirm to add it. The sub-device will automatically establish a connection.

Note: that if adding the device fails, repeat steps a~c to complete the addition.

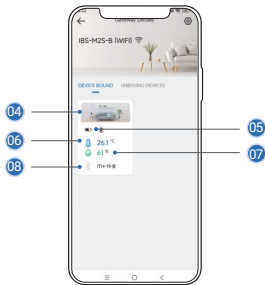


Step1



Step2

- 01 Device that is connected
- 02 Device found unconnected
- 03 The gateway has found the sub-device. Click to add it.

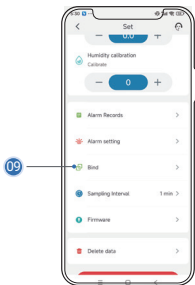


Step3

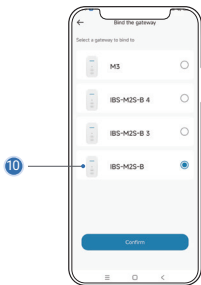
- 04 Photo scene of sub-device
- 05 Battery level of sub-device
- 06 Current temperature of sub-device
- 07 Current humidity of sub-device
- 08 Sub-device model and name

Connection Method 2:

- a) First, insert the batteries correctly into the ITH-11-B Bluetooth sensor, switch it on and place it as close to your smartphone as possible.
- b) Secondly, open the INKBIRD app and click "+" on the top right corner to add the ITH-11-B Bluetooth sensor.
- c) Thirdly, plug in the IBS-M2S-B WiFi Gateway and start it up correctly. Then follow the above steps to establish the App connection. If the app connection has already been completed, skip this step.
- d) Finally, place the ITH-11-B Bluetooth sensor as close to the gateway as possible. Enter the sub-device setting page, go to the Bind page, select the gateway, and then the ITH-11-B Bluetooth sensor will automatically establish a connection with the gateway.

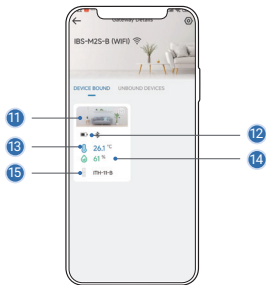


Step1



Step2

- 09 Binding option on the setting page; click to enter the binding page.
- 10 Select the gateway to bind to and click Confirm to connect.



Step3

- 11 Photo scene of sub-device
- 12 Battery level of sub-device
- 13 Current temperature of sub-device
- 14 Current humidity of sub-device
- 15 Sub-device model and name

06 Important Notes/Warnings

- a) Pay attention to the safe use of electronic products and keep children away.
- b) Please do not disassemble the product if you are not a professional.
- c) Be sure that the sensor is not covered with dust as dust may lead to inaccurate measurements.
- d) Do not use alcohol to clean the sensor.

07 Troubleshooting Guide

| Issues | Possible Solutions |
|---|---|
| The gateway cannot connect to the network | a. Make sure the 2.4GHz WiFi signal is stable, and place the WiFi gateway as close to the router as possible. |

| Issues | Possible Solutions |
|--|--|
| The gateway cannot connect to the network | <p>b. Make sure there are as few barriers as possible between the WiFi gateway and the router.</p> <p>c. Enable Bluetooth and positioning functions, allow the App to obtain location information, and allow the local network (iOS System).</p> |
| Unable to add sub-devices | Reset the WiFi gateway and the registration of ITH-11-B Bluetooth sensors. Remove and reinstall the battery of the ITH-11-B Bluetooth sensor, and then try again to add sub-devices. |
| ITH-11-B Bluetooth sensor is offline. | <p>a. ITH-11-B Bluetooth sensor is out of power.</p> <p>b. The ITH-11-B Bluetooth sensor is too far away from the gateway or there are obstacles between them. Move the sensor as close as possible to the gateway.</p> |
| Incorrect temperature/humidity detection | Leave the sensor in a ventilated place for one day, and be careful not to block the sensing area. |

08 **FCC Requirement**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment

generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

09 IC Warning

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device. L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1) L'appareil ne doit pas produire de brouillage;
- 2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur.

Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.

This item carries a 1-year warranty against defects in either components or workmanship. During this period, products that prove to be defective will, at the discretion of INKBIRD, be either repaired or replaced without charge. For any problems in use, please feel free to contact us at support@inkbird.com. We will do our best to help you.

Shenzhen Inkbird Technology Co.,Ltd.

support@inkbird.com

Consignor: Shenzhen Inkbird Technology Co., Ltd.

Office Address: Room 1803, Guowei Building, No.68 Guowei Road, Xianhu Community, Liantang, Luohu District, Shenzhen, China

Manufacturer: Shenzhen Inkbird Technology Co., Ltd.

Factory Address: 6th Floor, Building 713, Pengji Liantang Industrial Area, No.2 Pengxing Road, Luohu District, Shenzhen, China



®

001-A16261

V1.0