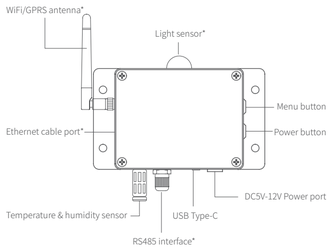
UBIBOT

Industrial-grade Wireless Smart Multi-Sensor Device GS1 User Guide

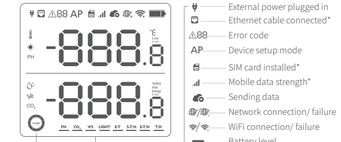
This manual book is a general guidance for all types of our Industrial-grade GS1 devices. Some features which are marked with asterisk are available for specific versions. Please refer to related instructions according to the version you purchased.

【Introduction】

1. Appearance Introduction



2. Screen Icons Introduction



3. Device Operations

Switch On

Press and hold the power button for 3 seconds until the screen is lit up. Release the button and the device is now on.

Switch Off

Press and hold the power button for 3 seconds until the screen is off. The device is now off.

Device Setup Mode

With the device switched on, press and hold the menu button for 3 seconds. Release the button until the **AP** icon flashes on the screen.

Manual Data Synchronisation

With the device switched on, press the power button once to trigger a manual data sync. The ☁ icon will flash while the data is being transferred. You can also hear the voice guidance.

Toggle Screen Readings

Press the menu button once to toggle between the internal sensor readings and external probe readings.

Switch On/Off Voice Guide*

Press the menu button twice in quick succession to enable or disable the voice guide. This will also refresh the last sensing data.

Toggle Celsius or Fahrenheit*

Press the power button twice to toggle between displaying Celsius or Fahrenheit. This will also refresh the last sensing data.

Display Backlight *

Pressing either of the buttons will switch on the display backlight for a short time. Pressing both the two buttons at the same time will keep the backlight alight constantly. Pressing another time will switch off the backlight.

Reset to Default Settings

Switch the device off. Now press and hold the menu button and power buttons together for at least 8 seconds. Release the buttons when you hear the voice guidance " The device will now reset".

IMPORTANT

ALL STORED DATA WILL BE LOST IF YOU RESET YOUR DEVICE TO DEFAULT SETTINGS!
REMEMBER TO SYNCHRONISE THE SENSING DATA TO THE UBIBOT® IoT PLATFORM OR EXPORT THE DATA TO YOUR COMPUTER BEFORE RESETTING IT.

【App INSTALLATION】

1. App INSTALLATION

Download the App from www.ubibot.io/setup
Or
Search for “UbiBot” on the App Store or Google Play.

2. PC Offline Tools Installation

Download the tool from www.ubibot.io/setup
Please note that this tool is for professional use only to export offline data to PC.

3. WiFi Setup

STEP1. Launch the App, register an account if needed and log in. On the home screen click the “+” to add your device. Scan the QR code on the back of the device, or manually enter the serial number.

Add your device

Scan the QR code

STEP2. Put your device into device setup mode . The AP icon should flash on the screen.

STEP3. The device will ask you to enter your WiFi password. Check that the correct SSID is selected and enter the password.The App will now prompt you to go to your phone settings screen. Change to the UbiBot-xxx network and return to the App.

STEP4. The device will now complete the setup process, register with the server and do the initial data sync. Your phone will automatically switch back to its normal WiFi network. If the connection failed, please repeat the process and ensure you entered the correct WiFi details in step 3.

4. ETH network Setup(suits AETH1RS version)

STEP1. Plug in the Ethernet cable into the port on the left side of the device.

STEP2. Launch the app, register if needed and log in. On the main screen, click the “+” to add your device. Scan the QR code on the back of the device, or manually enter the serial number. Follow the onscreen guidance to complete the setup.

Making Sense of Your Word

UBIBOT

【ERROR CODES 】

01 System Protection

Please follow the instructions to properly configure the device. Unconfigured devices will revert to system protection mode to save power.

02 WiFi Connection Failed

Please refer to the Troubleshooting section 4 on page 22.

03 Failed to Connect to Server

Please refer to the Common Questions at www.ubibot.io/category/faqs.

04 Device Activation Failed

Please refer to the Troubleshooting section 1 on page 19.

05 Data Save Failure

This can happen when there is a power disruption while saving data when the power is disrupted while data is being saved.

06 Incorrect Data Format

This can happen when there is a power disruption while saving data.

07 Data Sync Failed

Please refer to the Troubleshooting section 2 on page 20.

【TROUBLESHOOTING 】

1. Device setup failure when using the UbiBot App

There are several factors that can affect the setup process. The followings are common issues:

①WiFi frequency: The Device can only connect to 2.4GHz networks, channels 1-13.

②WiFi password: Go through the device setup again (p.06) and ensure that you have set the correct WiFi password for the network.

③WiFi security type: The Device supports OPEN, WEP, or WPA/WPA2 types.

④WiFi channel width: Make sure it is set to 20MHz or "Auto".

⑤Internet connection: Make sure your device's WiFi router has a working Internet connection (for instance, try to access www.ubibot.io using a mobile connected to the same WiFi).

⑥Low battery power: WiFi uses a lot of power. Your device may be able to power on but may not have enough power for the WiFi. Please charge the device.

⑦Signal strength: Check you are in range for your WiFi, or if using mobile data, make sure you have a good signal.

For direct problem diagnosis, please use the PC Offline Tools to go through the setup process and contact us with the response error code in Tools->Get Device Last Error. This can help us to remotely diagnose. You can download the software at www.ubibot.io/setup/

2. Failure to Sync Data Please check the following:

①With the device switched on, press the power button once to trigger a manual data sync. You can hear " sync completed" after the data being transferred. If it says "sync failed", try the next steps.

②Check that the device has sufficient battery power for the WiFi to work. WiFi takes a lot of power -- the device may be on, but unable to connect to the WiFi. Please check the battery icon on the screen. Recharge the device before it runs out of the power.

③Make sure your device's WiFi router has a working Internet connection (for instance, try to access www.ubibot.io using a mobile connected to the same WiFi).

3.Can I Use the Device without a Network Connection? How do I Access the Data?

The device will continue working without a network connection and can store up to 300,000 readings in its memory. Real-time readings are displayed on screen and you can access the data in the following ways:

①Move the device to an area where there is a WiFi connection which the device can connect to. Press the button to trigger a manual data sync. You can hear " sync completed" after the data being transferred. You can now take the device back to the measurement location (Recommended).

②Use your mobile phone and enable Internet Connection Sharing. This can work well when your devices are installed in an area with limited or no WiFi coverage.

③Use a Windows laptop and the Micro USB cable to connect to the device manually. You can now perform a data export to your computer using the PC Offline Tools.

4.WiFi Connection Problems Please refer to the list of potential issues above.

If your WiFi password has changed, or if you move the device to a new WiFi environment, you need to go through the device setup again (p.06).

5. Why are my device Temperature readings not accurate?

The measured temperature may be affected by several factors, thus the device may temporarily show inaccurate temperatures during and after the initial setup. Please visit www.ubibot.io/category/faqs/ to view the specific causes and corresponding solutions.

For any other problems, please visit www.ubibot.io/category/faqs. Alternatively, email customer support at support@ubibot.io to get assistance.

【PRODUCT CARE 】

- Please always follow the instructions contained in this manual.
- Always mount the device on a stable surface.
- Keep away from acidic, oxidising, flammable or explosive substances.
- When handling the device, avoid using excessive force and never use sharp instruments to try and open it.

【WARRANTY INFORMATION 】

1. This device is warranted to be free of defects in materials and workmanship for a period of up to one year from the original purchase date. This warranty does not cover damage caused by normal wear, misuse, abuse or incorrect repair. To claim under this limited warranty and to obtain warranty service, email Ubibot® Customer Support at support @ubibot io to obtain instructions on how to pack and ship the product back to us.

2. The following situations will not be covered by the warranty:

①Issues arising after the warranty period has ended

②Malfunction or damage caused by improper or not operating the device according to the instructions.

③Damage occurring from operating device outside the recommended temperature and humidity range, damage from contact with water, damage from applying excessive force to the device or any cables and connectors.

④Natural wear and aging of materials.

⑤Failure or damage caused by unauthorized removal of the product.

⑥We are only liable for faults due to manufacturing or design. We are not responsible for damage caused by Force Majeure or acts of God.

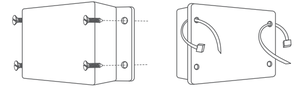
【Device Deployment】

Two ways to fix the device:

①using screws to mount on a plain surface.

②using cable tie to secure.

The diameter of the mounting hole is 6.8mm.



【WARRANTY CARD】

Thank you for buying the UbiBot GS1. If you have any problems and wish to claim under the limited warranty, first contact our customer service team using the email address on the back of this book. If Customer Service asks you to return you product to us, please complete the following details and include this form in the package.

Product Details	
Product Name	
Product ID	
Product Serial No.	
Date of Purchase	
Online Purchase Store	
Customer Details	
Name	
Phone	
Address	
Email	

【REPAIR HISTORY】

First Repair	Problems Description	Reason for Problems	Repair Description
	Date of Repair:		Repaired by:
Second Repair	Problems Description	Reason for Problems	Repair Description
	Date of Repair:		Repaired by:

⚠ Only to be completed by UbiBot technicians

FCC Warnning:

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

ISED Statement

- English: This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause interference, a nd (2) This device must accept any interference, including interference that may cause undesired operation of the device.

The digital apparatus complies with Canadian CAN ICES-3 (B)/NMB-3(B).

- French: Le présentappareilestconforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitationestautorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareildoit accepter tout brouillageradi oélectriquesubi, mêmesi le brouillageest susceptible d'encompromettre le fonctionnement.

l'appareil numérique du ciem conforme canadien peut - 3 (b) / nmb - 3 (b).

This 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.

cet appareil est conforme à l'exemption des limites d'évaluation courante dans la section 2.5 du cnr - 102 et conformité avec rss 102 de l'exposition aux rf, les utilisateurs peuvent obtenir des données canadiennes sur l'exposition aux champs rf et la conformité.

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement est conforme Canada limites d'exposition aux radiations dans un environnement non contrôlé.