BEG200 Smart Ethernet Gateway
User Manual

Thank you for purchasing the BEG200 Smart Gateway from BEEWI. Please read the following instructions to learn how to configure and use more effectively your product.

Introduction

The Ethernet Gateway is a Bluetooth Smart Gateway which can bridge various smart peripherals to the Internet via a router using the provided Ethernet interface.

With the Ethernet Gateway it is possible to remotely control all BeeWi Bluetooth Smart peripherals such as smart plugs, smart bulbs or smart sensors using a web server and/or the associated web applications.

1.   PRODUCT DESCRIPTION

1.1. Product Outlook
- Micro-USB power connector
- Status LEDs: Bluetooth (blue) and Ethernet (green)
- Pairing button (top)
- Reboot button (back)
- Ethernet cable

1.2. Package Content
- Smart Ethernet Gateway
- USB to micro-USB cable
- Quick Start Guide and other info

1.3. Main features
- Simply bridging your BeeWi Smart peripherals to the BeeWi Home cloud server to bring Internet of Things to your home
- Simple and easy to install with Ethernet connection to any Internet router
- Controlled via a dedicated server and associated web apps for Smartphone and tablets.
- Compact size, low weight.
- Long range, up to 60 meters, with integrated RF amplifier.
- Fully evolutive with firmware updates supported via the server.

1.4. Specifications

Radio	Bluetooth Low Energy, +10 dBm
Range	Up to 50 meters
Ethernet	100Base10, 100 Mbps
Power	5V typical, Micro-USB connector
Consumption	1 W typical
Dimensions	Approx. Ø78mm x H22mm (Diameter x Height)
Weight	Approx. 50g
LAN cable length	Approx. 50 cm
USB cable length	Approx. 50 cm

2. INSTALLATION

2.1. Connection to the router

The Gateway requires both USB power source and Ethernet port to connect to the router. Most of the routers provide both interface but you can also use a standard USB power adapter (not provided) in case no USB port is available on your router.

1) Plug the USB to micro USB cable to the router's USB port
2) Plug the Gateway's Ethernet cable to one of the router's Ethernet port
3) Connect the USB cable to the Gateway micro-USB port

The Gateway's blue LED will start flashing once every 2 seconds before the green LED turns on to confirm connection to the server.

2.2. Account setting

Once the Gateway is connected to the server (green LED on), it is possible to create a user account associated with the Gateway on the server. To do this:

1) Open your web browser and go to www.beewi-home.com
2) Go to "Create an account"
3) Type in all necessary information

Note you will be required to enter the Gateway MAC address and serial number which can be found on a label on the back of the Gateway.

Once this is done, the home page will be automatically opened and you will see the Gateway listed on top of it.

2.3. Pairing a peripheral

In order to register a new BeeWi Smart peripheral as part of the www.beewi-home.com network, it is necessary to pair it securely with the Gateway. To do this, follow these steps:

1) Press the Gateway pairing button: the blue LED flashes twice per second to initiate pairing.
2) Turn the Smart peripheral in discoverable mode (operation depends on the peripheral, refer to the user guide). It will be visible for pairing during 30 to 60 seconds.
3) Once the Smart peripheral has been successfully paired with the Gateway, the new peripheral will show in the web app home screen. It this is not the case, just actualize the window using the "Actualize" button on the top left.

Note: make sure your peripheral is updated with the most recent firmware in order to work

properly with the Gateway.

2.4. Reboot

It may necessary to reboot the gateway in case the link to the network is lost (green LED turned off). To reset the gateway, simply push the button on the back.

Note resetting the gateway does not affect all the settings.

2.5. Factory Restore

The Gateway can be restored to factory default state including factory firmware version. To restore the firmware and delete all pairing or status user data, just press the function button whilst inserting the USB cable.

Restoration is confirmed by means of the Led indicator blinking quickly for a few seconds.

3. USING THE WEB SERVER

3.1. Introduction

Once you have created your account and added all the peripherals you wish to control remotely, go to the www.beewi-home.com portal under your own account using a web browser or the web app to view and access them.

More information regarding the functioning of the web server can be found in the Help page.

3.2. Main screen

The main page (or left panel in computer and tablet views) shows the list of peripherals with the following information organized in boxes for each peripheral:

- Peripheral type and name
- Connection status and active mode
- Actual parameters such as temperature, humidity, LED color and brightness, etc.
- On/Off buttons for actionable peripherals

3.3. Peripheral screen

By clicking on a specific peripheral, the Control page is opened (or right control panel in computer and tablet views), giving access to all control functions such as:

- Mode settings
- Alert settings
- History
- Edition

CAUTION & WARRANTY EXCEPTIONS

5.1. Taking care of your Product

• Use the product indoor only.

• Avoid storage at extreme temperatures, above 45℃ (including direct sunlight) or below -10℃. This can shorten battery life and may affect operation.

• Do not expose the product to rain or moisture.

• When not in use, always store the product in a safe place.

5.2. Damages not covered by standard Warranty

• Damages caused by an improper use of the product such as shocks, drops, exposition to extreme temperatures, dust, or humidity, or any other cause.

• Damages resulting from any non-respect of manufacturer instructions.

• Cosmetic damages such as scratches, paint, glue or any other alteration made to the product.

• Damages to the product after a repair or disassembly from non authorized personal.

Copyright and other legal information

BEEWI is a registered trademark. Other trademarks mentioned herewith are owned by their proprietors. All other product or service names are the property of their respective owners.

The use of wireless devices and their accessories may be prohibited or restricted in certain areas. Always obey the laws and regulations on the use of these products.

This product is covered by a 2-year product warranty which is valid from the date of purchase. Users are not permitted to make changes or modify the device in any way. Changes or modifications not expressly approved by the party responsible for compliance will void the user's warranty.

Please visit our website www.bee-wi.com for more information.

Technical support: support@bee-wi.com.

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European Union Directives Conformance Statement

Hereby, VOXLAND declares that this product is in compliance with:

CE
- The essential requirements and other relevant provisions of Directive 1999/5/EC
- All other relevant EU Directives

You can view your product's Declaration of Conformity (DoC) to Directive 1999/5/EC (to R&TTE Directive) at www.bee-wi.com.

Caring for the environment by recycling

Do not dispose of electrical devices or accessories with your household waste.

In some countries or regions, collection systems are set up to handle electrical and electronic waste items. Contact your regional authorities for more details.

Federal Communications Commission

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.

Shielded cables must be used with this unit to ensure compliance with the Class B FCC limits.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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

Radiation Exposure Statement:

The product comply with the FCC portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

Industry Canada

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

Radiation Exposure Statement:

The product comply with the Canada portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.