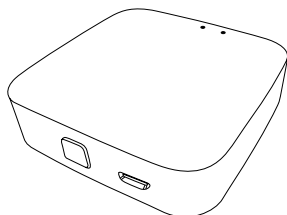EN

INSTRUCTION MANUAL

Bluetooth Gateway
Art.No.: 99 190 42

Model No.: io-Hub-BLE

Bluetooth®

MALMBERGS

Malmbergs Elektriska AB
PO Box 144, SE-692 23 Kumla, SWEDEN

www.malmbergs.com

TECHNICAL SPECIFICATIONS

Product type	BLE Gateway
Adapter	5V, 0.5A
Protocol	Bluetooth mesh 4.2
Power supply	Micro USB DC 5V
Wireless frequency (BLE)	2.400-2.4835 GHz
Operating temp.	Ta: -10°C - +55°C
Case temp.	Tc: +60°C (Max.)
Transmission power	WIFI: 20dBm BLE: 7dBm
Dims (WxDxH)	60x60x16 mm
Wireless technology	WIFI 802.11 b/g/n; BLE 802.15.1

EMC Standard (RED)
EN 301 489-1 V2.2.3,
Draft EN 301 489-17 V3.2.0

Safety Standard (RED)
EN 62368-1:2014+A11:2017

RoHS Standard (RoHS)
2011/65/EU, (EU)2015/863

Radio Equipment (RED)
EN 300 328 V2.2.2

Health Standard (RED)
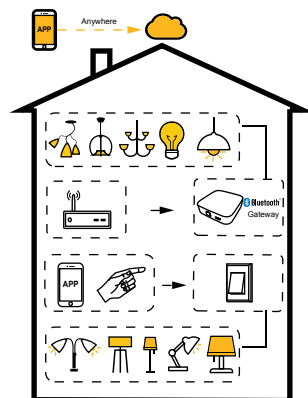EN 62311:2008

REACH Standard (RED)
(EC) No 1907/2006

2

Control your Smart Home wherever you are


Schedule timer   Router

APP   Anywhere

Bluetooth Gateway

APP

App   Push switches

3

INSTALLATION
⚠ Warnings:
- Installation must be carried out by a qualified engineer in accordance with local regulations.
- Indoor use only.
- Keep the device out of reach of children.
- Keep the device away from water, damp or hot environment.
- Do NOT exceed the recommended electrical ratings.
- Install the device away from strong signal sources such as microwave ovens, which may lead to signal interruption resulting in abnormal operation of the device.
- Obstruction by concrete wall or metallic materials may reduce the range of the device and should be avoided.
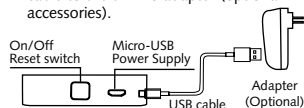- Do NOT attempt to disassemble, repair or modify the device.

Product size

16 mm
60 mm
60 mm
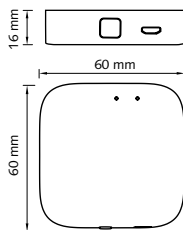
4

INSTALLATION
- Connect the device with micro USB cable to the 5V DC adapter (optional accessories).

On/Off
Reset switch

Micro-USB
Power Supply

USB cable

Adapter
(Optional)

- Bluetooth Mesh devices require a gateway to support timing, third-party control, scene settings, and remote control.

Status indicator and reset:
- Red indicator: indicates the BLE Mesh status. 1) Blinking: Allow devices to access the network. 2) Steady on: The device is activated. 3) Off: The device is unactivated.
- Blue indicator: indicates the WIFI status. 1) Steady on: The WIFI is connected. 2) Blinking: The product is ready to be connected ot the WIFI network. 3) Steady off: WIFI information is configured, but the WIFI is unavailable.

Red indicator (BLE)   Blue indicator (WIFI)
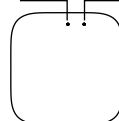
To reset the device, press and hold the reset switch for 5s. If the blue indicator blinks several times, the device is successfully reset.

5

NOTE:

The Bluetooth gateway enables assessibility of the inhouse Bluetooth devices for global international control application.
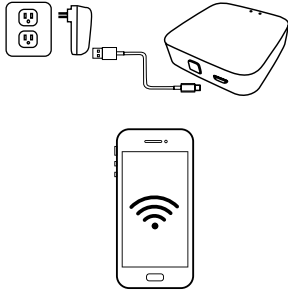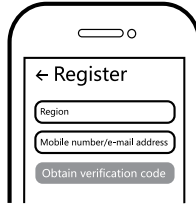
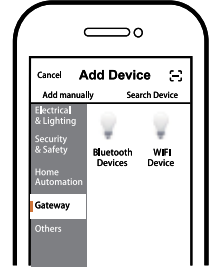**APP USER MANUAL**

iOS APP/Android APP

1 Scan the QR code to download the MALMBERGS App. You can also search the keyword "MALMBERGS"at App Store or Google Play to download the App.

← Register

Region

Mobile number/e-mail address

Obtain verification code

2 Register your account with your mobile number or e-mail address, wait a few minutes for verification code (by text message or e-mail) and enter it where required to set a password, and "Create Family". If you already have an account, please log in directly with your mobile number or e-mail address and password to open the App.
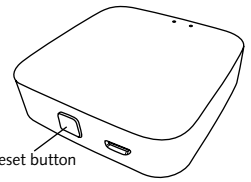
Reset button

3 After installation of the device is completed, press the reset button to make sure the device is entered to pairing mode.

Cancel **Add Device**

Add manually   Search Device

Electrical & Lighting
Security & Safety
Home Automation
Gateway
Others

Bluetooth Devices   WIFI Device

4 Click "+" (add device) to select the suitable product category and follow the on-screen instruction for pairing.

< **All Device**

Device added successfully

Bluetooth Gateway

5 When pairing is done, the device will be shown in the App.

⚠ **Note: Contents, icons and symbols shown in the mobile app may be subject to change without prior notice due to continuous upgrading and improvement.**

FAQ

Q1: What should I do if I can't configure the device?

a. Please check whether the device is powered on.

b. Make sure your mobile and the device are in the same 2.4GHz WIFI network.

c. Please check if the WIFI signal is strong enough.

d. Make sure the password entered in the App is correct.

e. Make sure the wiring is correct.

Q2: Which products can I control with the device?

You can control all types of (BLE) Bluetooth lights, and electrical products in accordance with the device specifications.

Q3: What happens if the WIFI goes off?

You can still control your unit with Bluetooth or with the ON/OFF switch that is connected to the unit.

Q4: What should I do if I change the WIFI network or change the password?

You can connect the module to the WIFI network according to the App User Manual.

Q5: How do I reset the device?

Press the reset button on the device until the red indicator is blinking rapidly for pairing.

Q6: Other technical problems?

Please contact our technical support by e-mail: smarthome@malmbergs.com.

SYSTEM REQUIREMENTS

• WIFI ® Router
• iPhone, iPad (iOS 9.0 or higher)
• Android 5.0 or higher

BLE DEVICES

With Gateway WIFI	Bluetooth
1. ON/OFF	1. ON/OFF
2. Dimming	2. Dimming
3. Group	3. Group
4. Timer	
5. Smart	
6. Automation	
7. Google Home	
8. Amazon Alexa	

DECLARATION OF CONFORMITY

We hereby certify that the device satisfies the provisions for CE markings in accordance with the EU directives (EMC Directive 2014/53/EU, RE Directive 2014/53/EU, RoHS Directive 2011/65/EU, (EU) 2015/863, REACH (EC) No 1907/2006) as described in this manual.

For and on behalf of:

Anders Folke

Malmbergs Elektriska AB, Sweden.
Mr. Anders Folke / Product Manager
Date: 09/09/2020

CE RoHS