

# | 1. GATEWAY & BRIDGE SERIES

## 1.11 Green/Blue Bridge Meshed with Power GBBMW24

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2. Dimming Series
3. Relay Series
4. Climate Series
5. Guest Room Series
6. Human Interface Series
7. I/O Series
8. Power Supply Series
9. Multiroom Audio Series
10. Motorization Series



## | DESCRIPTION

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The Blue IoT CONTROLS (Blue IoT) GBBMW24 Green/Blue Bridge Meshed with Power is a bridging module that allows the Green IoT wired module to wirelessly join the Blue IoT CONTROLS (Blue IoT) structured meshed network system.

In simple terms it is used to bridge between wired and wireless networks.

The module provides 24V to power the connected module via the built-in power supply.

## | DEVICE FEATURES

BlueBUS wireless structured meshed interface.

Provides two-way communication between networks.

Incorporates a push button switch that is used for project pairing.

LED indicates module link and health status.

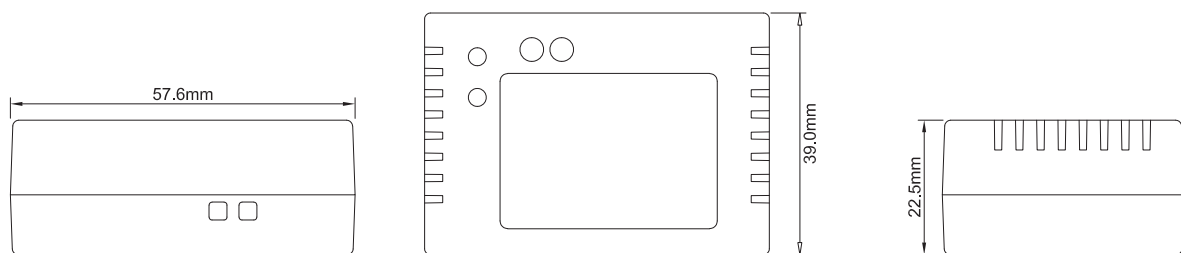
Built-in 24V power supply.

CE & RoHs certified.

## TECHNICAL SPECIFICATIONS

Processor:	1.8MHz, Flashless, 200Kbyte RAM
Memory:	16MByte SPIFI Serial Flash
Additional Solid-state Memory:	8GByte (expandable as needed)
Ethernet:	RJ45 10/100Mbit Ethernet
Operation Voltage:	DC 24V ±10% (BUS Powered)
Power Consumption:	Approximately 75mA
Working Temperature:	0°C ~ +55°C
Storage Temperature:	-10°C ~ +55°C
Working Humidity:	20% ~ 90%
Storage Humidity:	10% ~ 90%
Installation:	35mm DIN rail mounting, EN50022
Communication	RS485, TCP/UDP/IP
Module Dimension:	55.78x116.3x80.3mm (WxHxD)
Packing Dimension:	65x125x90mm (WxHxD)
Net Weight:	145g
Gross Weight:	180g
Protection Class:	IP20, EN60 529

## DIMENSIONS



Side View

Front View

Top View

## I INSTALLATION

### Option 1:

Connect the wires to the module terminals and connect it using the plugin terminals on the other module (see Figure 1).

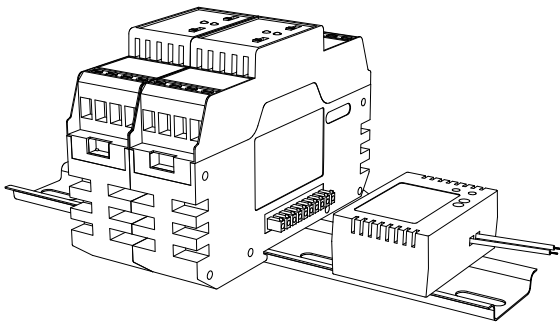


Figure 1

### Option 2:

Connect the wires to the module terminals and connect it using the screw terminals on the other module (see Figure 2).

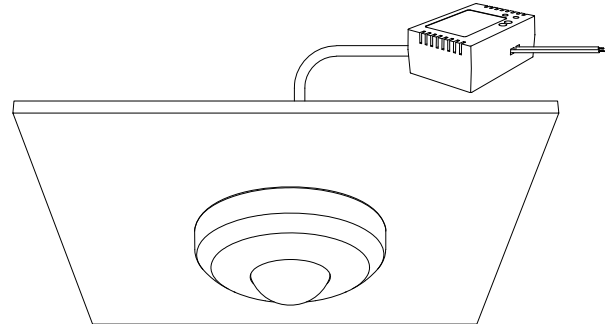
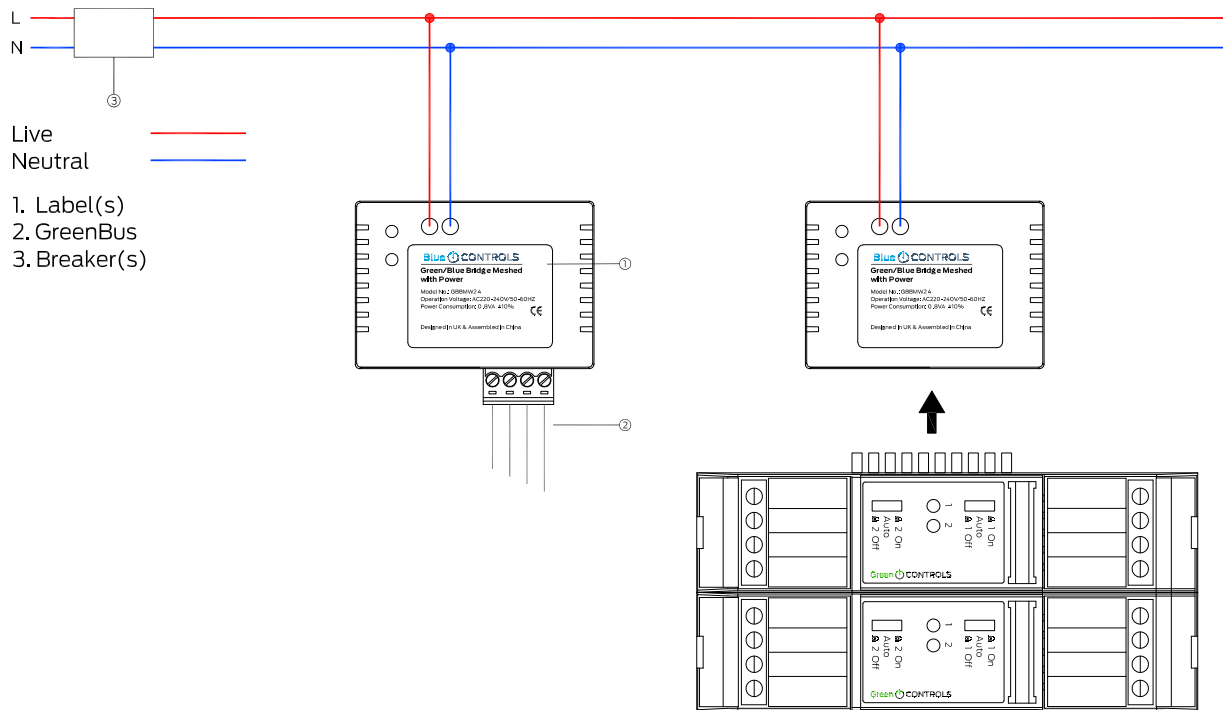


Figure 2

### Then:

Wire remaining terminals in accordance with wiring diagram (see Figure 3).

# WIRING DIAGRAM



**Figure 3:** Wiring Diagram

# RECOMMENDED CABLES

**Module power input cable:**  
2.0mm<sup>2</sup> electrical copper wire.

**Load output wire:**  
2.0mm<sup>2</sup> electrical copper wire.