Green Point

IR Bridge User Manual

Green
Point
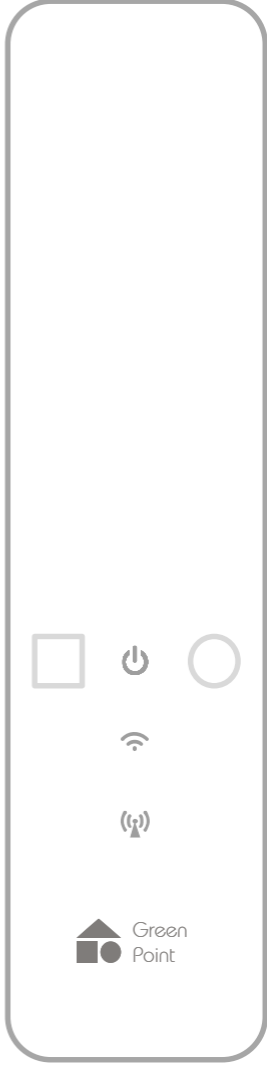
Introduction:

Thank you for purchasing an **igh** control device.

The **igh** system is designed to automate home control and provide easy remote operation of all your electrical appliances/lights connected to system. **igh** products include a variety of devices to control your home. The products can be installed in one room, expand to additional rooms or to the entire house according to your needs and budgets.

Green Point products are constructed with careful attention to detail, using only high quality materials, assuring peak performance over time.

Warning!!!

Controlling Appliances:

igh systems can control electrical appliances either remotely or automatically, allowing electrical appliances or light to be activated without the operator presence's in the room. Extreme caution must be taken to avoid hazard conditions.

Important
Read before installing

1. Install in accordance with all national and local electrical codes and local regulations of your country.

2. **igh** system products are designed to be used and installed in domestic and similar environments where there is no need for special protections against the ingress of water.

3. The installer must hand the user manual over to the user and should stress that the user become fully familiar with it.

4. In case of a breakdown or malfunction, please contact an authorized technician or the **igh** products support center.

5. There are no serviceable parts in this unit.

6. Do not paint on the **igh** IR Bridge.

7. Operate between temperatures of -10 °C to 50 °C.

8. Clean the **igh** IR Bridge only with a soft dry cloth. Do not use any chemical cleaners.
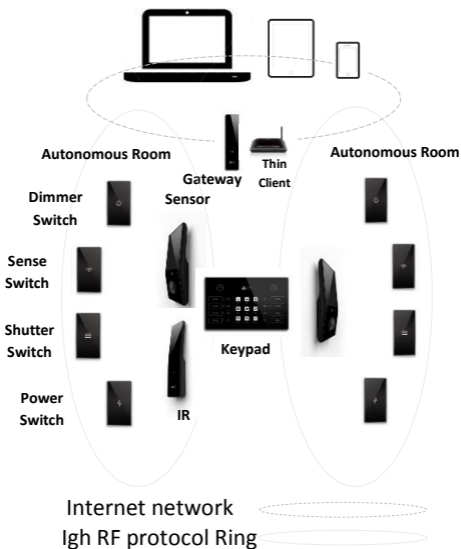
General Product Description

System overview

igh is a home automation and power management system, enabling unified and automated control over electrical appliances connected to the system.

The system is composed of 5 main components:

- **igh** Smart Switch
- **igh** Sensor
- **igh** Keypad
- **igh IR Bridge**
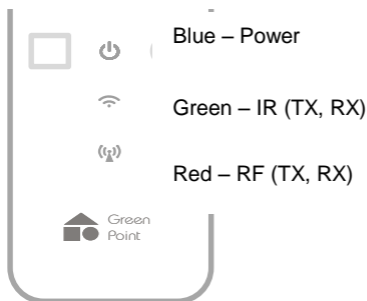- **igh** Internet Gateway

System Connectivity

Internet network

Igh RF protocol Ring

Functions

Key features:

- Controls infrared products.
- Learns infrared signals.
- RF communication with **igh** units.

LED Indicators
(Icons appears only when LED is on)

Blue – Power

Green – IR (TX, RX)

Red – RF (TX, RX)

Green
Point

Mounting

Select a mounting location for the **igh** IR Bridge. When choosing an appropriate location, the following should be considered:

- The IR Bridge transmission angle is up to 120° degrees
- Transmission length is up to 7m
- Make sure all your infra-red controlled appliances are in the transmission spectrum and have direct visual contact with **igh** IR Bridge.
- RF range.
- Shield the motion sensor from direct sunlight for better performance.
- Avoid placing the igh IR Bridge near heat or cold-producing devices.

Use the installing mold included to mount the **igh** IR Bridge. Select a location to install the **igh** IR Bridge and with the installing mold in place, mark the drill holes with a pencil. Drill holes in the marked areas. Use a hammer to tap the dowels into the holes. Place the base over the dowels, insert the screws and tighten them to build a base for the **igh** IR Bridge.

Activation

1. Install the **igh** IR Bridge on the base.
2. Insert the power supply.
3. The green LED will blink, signaling that the IR Bridge is ready for initializing via the software wizard.
4. Resetting the **igh** IR Bridge-
   Disconnect and then reconnect the power. The green LED will blink for 10 seconds, signaling that the igh IR Bridge is ready to be reconfigured.

Optional accessories

Infrared emitter cable

An infrared emitter cable can be connected via the phone jack connector to distribute the IR transmission.

SPECIFICATIONS

Transmission method: IR

Transmission Coverage: Up to 120° Wide Angle and up to 7m distance

Network Coverage: Up to 10m radius

Unit Dimensions: 14.5 x 3.6 x 1.7 (cm)

Power Supply: 5V, 1A

Signal (Frequency): ISM BAND (433.050 - 434.790 MHz**)**

WARRANTY

Green Point Products warrants this product to be free from manufacturing defects for a period of one year from the original date of consumer purchase. This warranty is limited to the repair or replacement of this product only and does not extend to consequential or incidental damage to other products that may be used with this product.

Regulatory Compliance

The IGHI – **igh** IR Bridge unit has been tested and found to comply with specifications for CE marking and standards per EMC and radio communications and safety Compliance.

SAFTEY

EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12: 2011. Information technology equipment - Safety - Part 1: General requirements.

EMC

ETSI EN301489-1 and EN301489-3 Electromagnetic compatibility and Radio Spectrum Matters (ERM); Electro-Magnetic Compatibility (EMC) standard for radio Equipment and services: Part 1: Common Technical requirements.

RADIO

ETSI EN 300 220 V2.4.1 Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment to be used in the 25 MHz to 1,000 MHz frequency range with power levels ranging up to 500 mW; Part 1: Technical characteristics and test methods.

Green Point System Labs
www.greenpointsys.com