HUE
# ZigBee Color LED Light Bulb

Introduction

The Hue is a ZigBee Color LED Light Bulb. It features both multicolor adjustment and light level control. When joined into a ZigBee network, the user will be able to control Hue remotely from the ZigBee network coordinator.

The Hue utilizes ZigBee technology for wireless signal transmission. ZigBee is a wireless communication protocol that is reliable and has low power consumption and high transmission efficiency. Based on the IEEE802.15.4 standard, ZigBee allows a large amount of devices to be included in a network and coordinated for data exchange and signal transmission

The Hue serves as an end device in the ZigBee network. It can be included in the ZigBee network to receive command for color and light level control, but cannot permit any other ZigBee device to join the network through the Hue.
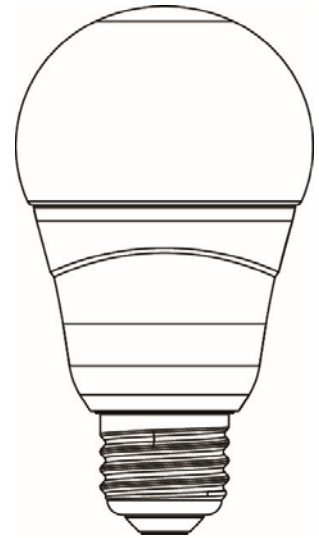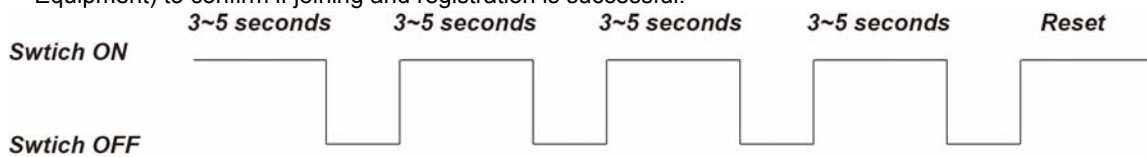
ZigBee Network Setup

● *Joining the ZigBee Network*

Please follow the steps below to join the device into the ZigBee network.

The PIR Camera can only join ZigBee network within 3 minutes after power on.

1. Install the Hue on lamp holder. Do not supply power yet.
2. Enable the permit-join feature on the router or coordinator of your ZigBee network.
3. Switch ON Hue for 3~5 seconds. (No more than 5 seconds), then switch OFF.
4. Repeat Step 3 for 3 times for a total of 4 ON/OFF cycles
5. Switch ON Hue for the 5th time, the device will reset and start searching for new ZigBee network.
6. After joining the ZigBee network, the PIR Camera will be registered in the security system in the network automatically. Please check the ZigBee network coordinator, system control panel, or CIE (Control and Indicating Equipment) to confirm if joining and registration is successful.


● *Removing Device from ZigBee Network (Factory Reset)*

To remove the Hue from current ZigBee network, the device must be put to Factory Reset to complete device removal. Factory Reset function will clear the Hue of its stored setting and information and prompt the Hue to search for new ZigBee network.

Before removing device, make sure the Hue is within current ZigBee network signal range

1. Delete the Hue from current control panel / CIE.
2. Power off the Hue.
3. Switch ON Hue for 3~5 seconds. (No more than 5 seconds), then switch OFF.
4. Repeat Step 3 for 3 times for a total of 4 ON/OFF cycles
5. Switch ON Hue for the 5th time, the device will reset and start searching for new ZigBee network.
6. Upon reset, the PIR Camera will clear current ZigBee network setting and transmit signal to ZigBee coordinator to remove itself from current ZigBee network. It will then actively search for available ZigBee network again and join the network automatically.
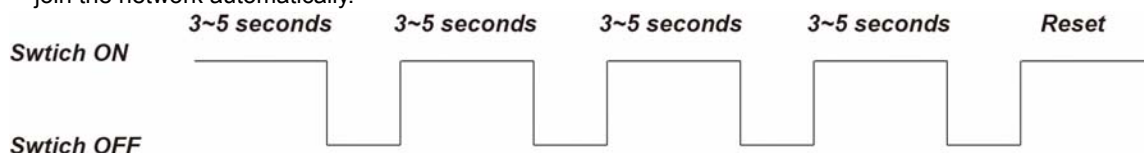
Features

● *Color and Saturation Adjustment*

The Hue's color and saturation may be adjusted from the ZigBee Coordinators remotely by sending commands.

● *Light Level Adjustment*

The Hue has dimmable lighting, the light percentage maybe adjusted from the ZigBee Coordinators remotely by

sending commands.

- ### *Supervision*

  The Jue will transmit a supervision signal to report its condition regularly according to user setting. The factory default interval is 30 minutes. The user can also press the Function Button once to transmit a supervision signal manually.

Federal Communication Commission Interference Statement

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 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: To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example – use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement

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

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

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

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.