

# Welcome



Lightcloud®  
Outlet

WE'RE HERE TO HELP:

1 (844) LIGHTCLOUD

or 1 (844) 544-4825

# Hello

The Lightcloud Outlet is  
a tamper-resistant duplex  
receptacle that delivers  
local and remote plug-load  
control and power  
monitoring.

## **Product Features**

Wireless Control & Configuration

Zone Switching

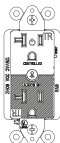
Dual Power Monitoring

Tamper Resistant (TR)

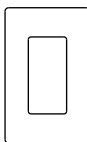
Current Limiting to 20A

# Contents

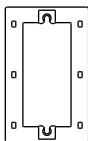
Outlet



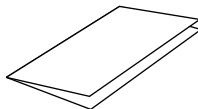
Faceplate



Faceplate Bracket



Instruction Manual



2x 6-32 1/2" Screws



2x 6-32 5/16" Screws



# Specifications

## PART NUMBER

LCOUTLET

## INPUT

125VAC, 60Hz

## CURRENT DRAW

20A

## LOAD SWITCHING CAPACITY

2500W Resistive

1500W Tungsten

600W Electrical Ballast

1HP Motor

## OPERATING TEMPERATURE

0°C to 40°C

## DIMENSIONS

Outlet: 1.73"W x 4.1"H x 1.6"D

Faceplate: 2.94"W x 4.69"H x 0.06"D

Faceplate Bracket: 2.8"W x 4.55"H x 0.13"D

## TERMINAL

14-12 AWG

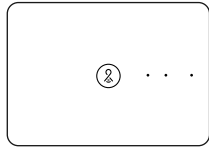
Copper Wires Only

## WIRELESS RANGE

Line-of-Sight: 1000'

Obstructions: 100'

# What You Need



Gateway

A Lightcloud Gateway is required to setup and control the Outlet.

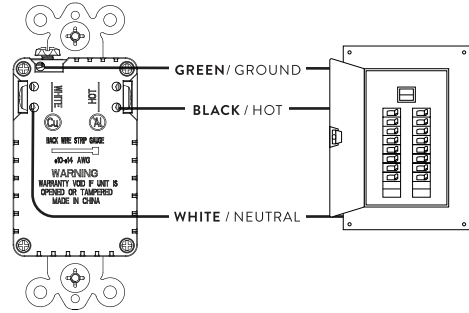
## Configuration

To configure the Outlet, use the Lightcloud web application or call RAB:

WE'RE HERE TO HELP:

1 (844) LIGHTCLOUD  
or 1 (844) 544-4825

# Wiring



## CAUTION

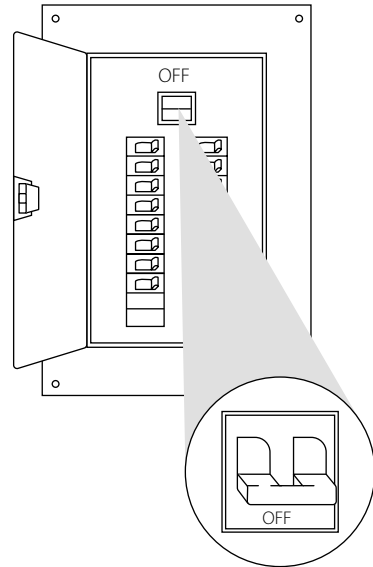
- Use only copper wire.
- Do not operate with the faceplate removed.
- This product should only be installed by a qualified electrician and in compliance with local and national electrical codes.
- This product should only be installed in a UL-approved single gang wall-box enclosure.
- Indoor use only.

# Finding a Suitable Location

Lightcloud uses a wireless mesh network to connect devices such as the Outlet to the Gateway. Unlike a WiFi router, each Lightcloud device may connect another device to the network. If there is a clear line of sight between two Lightcloud devices, they can be placed up to 1000 feet apart. If the two devices are separated by ordinary drywall construction, try to keep them within 100 feet of each other. Brick, concrete and steel construction may require additional AC-powered Lightcloud devices to go around the obstruction. See the Deployment section of your Gateway for more information.

## Setup & Installation

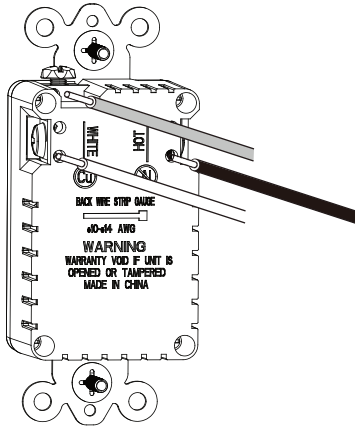
- ① Turn off power ⚠ WARNING



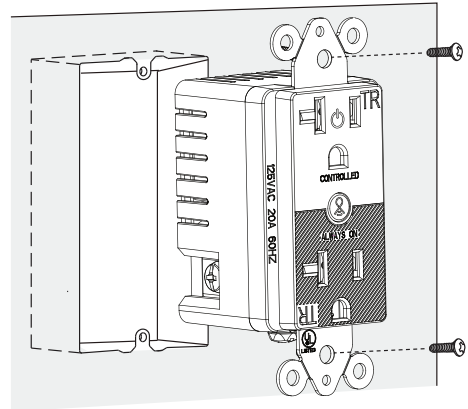
## Setup & Installation *(cont'd)*

### ② Install the Lightcloud Outlet

- 2a Connect the Line, Neutral, and Ground to screw terminals.



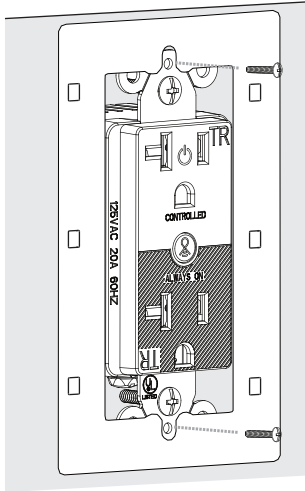
- 2b Use the two 6-32 1/2" Phillips round head screws to secure the Outlet to the junction box.



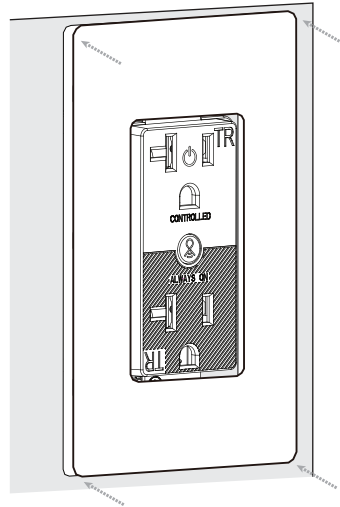
## Setup & Installation *(cont'd)*

### ② Install the Lightcloud Outlet

- 2c Use the two 6-32 5/16" Phillips flat-head screws provided to secure the faceplate bracket to the Outlet.

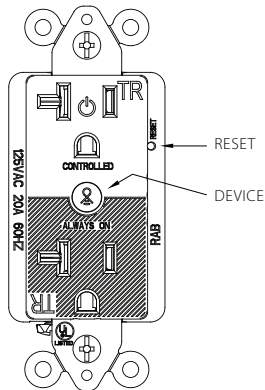


- 2d Snap the faceplate onto the faceplate bracket.



# Functionality

## Overview

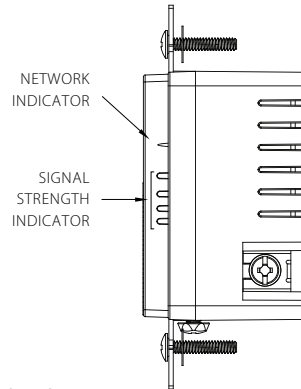


### RESET

- Single Press: Indicate the Outlet in the Web Application
- Hold for 10 seconds: Force Outlet to leave current Lightcloud network

### DEVICE

- Single Press: Toggle the top receptacle on/off



### Network Indicator

- Solid Green: Connected to a Lightcloud network
- Blinking Red: Not connected to a Lightcloud network.

### SIGNAL STRENGTH INDICATOR

- Indicates strength of the connection to the next Lightcloud Device

Note: The network and signal strength indicators are illuminated for 10 minutes following initial power on. Pressing the Device button will illuminate the network and signal strength indicators for an additional 10 minutes.



# Setup & Installation *(cont'd)*

## ③ Labeling your device

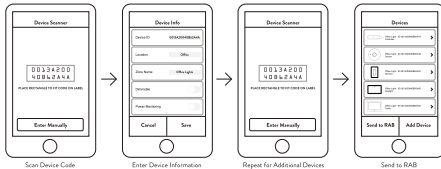
When installing Lightcloud devices, it's important to keep track of their Device IDs, installation locations, panel/circuit #'s, dimming function, and any additional notes. To organize this information, use the Lightcloud Installer Application (a) or Device Table (b).

### 3a LC Installer Application

#### Install the LC Installer Application

LC Installer is available for iOS and Android.

#### Scan & Install Lightcloud Devices

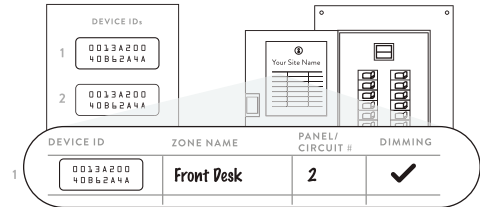


#### Send to RAB

Once all of the devices have been added and organized, submit the information for commissioning.

## 3b Device Table

Two Device Tables are provided with each Gateway. Attach one table to the electrical panel and hand one off to the building manager. Attach the Device ID stickers included with each device to the Device Table and write in the additional information.



## ④ Power Up

Turn on power at the breaker, and confirm the network indicator is blinking red.

## ⑤ Add Outlet to Network

Call RAB at 1(844)LIGHTCLOUD.

## ⑥ Confirm Device Connectivity

Confirm network indicator LED is solid green.



Lightcloud is a commercial  
wireless lighting control system.  
It's powerful and flexible,  
yet easy to use and install.  
Learn more at [lightcloud.com](http://lightcloud.com)

1 (844) LIGHTCLOUD  
1 (844) 544-4825  
[support@lightcloud.com](mailto:support@lightcloud.com)

**RAB®**

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170 Ludlow Avenue Northvale, NJ 07647  
Custom manufactured in China

*FCC Information:*

*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.*

*Note: This device has been tested and found to comply with the limits for Class B digital devices pursuant to Part 15 Subpart B, of the FCC rules.*

*These limits are designed to provide reasonable protection against harmful interference in a residential environment. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, 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 and 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.*

*To comply with FCC RF exposure limits for general population/ uncontrolled exposure, this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.*

*CAUTION: Changes or modifications to this equipment not expressly approved by RAB Lighting, Inc. may void the user's authority to operate this equipment. Custom manufactured in China.*