

LCGATEWAY/OFC
Installation Guide

Office Gateway Manual

Lightcloud®

RAB®

Welcome to lighting control that just works.

Lightcloud is a wireless, cloud-based lighting control system that's incredibly easy to install. There's no networking or complicated dip switches. Just wire the devices for power and let us know what was installed.

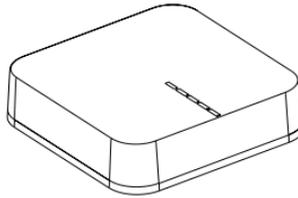
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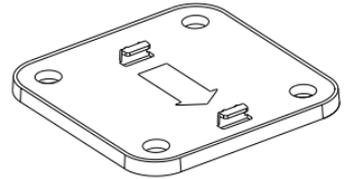
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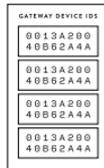
OFFICE GATEWAY



MOUNTING PLATE



DEVICE ID
LABELS



DEVICE TABLE



MANUAL



Device Specifications

PART NUMBER:
LCGATEWAY/OFC

OPERATING TEMPERATURE:
0 to 40°C

MAXIMUM RELATIVE HUMIDITY:
95%

STORAGE AND TRANSPORTATION TEMPERATURE:
-20° to 40°C

DIMENSIONS:
4.97" X 4.97" X 1.5"

AC POWER INPUT:
Only use with provided power cord.

INPUT VOLTAGE:
120 VAC, 50/60 HZ

POWER CONSUMPTION:
60 mA @ 120V

Custom manufactured in China
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System Overview

Lightcloud is a wireless, networked lighting control system that enables near limitless control over lighting. Lightcloud can be accessed from nearly anywhere and any device by logging in to control.lightcloud.com.

Lightcloud comes with 10 years of unlimited support, so feel free to contact us if you have any questions at 1 (844) LIGHTCLOUD.

Office Gateway

The Lightcloud Office Gateway serves two main functions:

1. **On-Site Coordination of Devices.**

The Office Gateway acts as an on-site brain for up to 200 Lightcloud® devices.

2. **Off-Site Coordination with Lightcloud.**

The Office Gateway communicates with the Lightcloud® cloud for complete control of your system from anywhere.

An unlimited number of Gateways can be used for wireless control of any size Site.

Installation

1 STEP ONE

Position the Gateway

a. Avoid problem materials and devices.

The Gateway needs to be able to communicate wirelessly with other Lightcloud Devices. Don't place the Gateway in a metal enclosure, thick concrete or brick rooms. Also, don't place the Gateway near microwaves, elevator rooms, amplifiers, or other antennas.

PROBLEM MATERIALS



METAL



CONCRETE



BRICK

PROBLEM DEVICES & SIGNALS



MICROWAVES

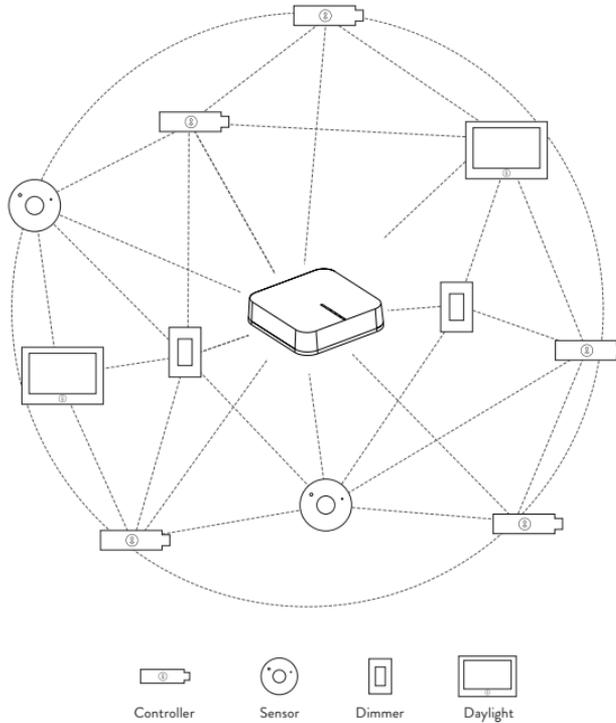


ELEVATOR MECHANICAL ROOMS



AMPLIFIERS & ANTENNAS

b. Choose a location that is as close to as many other Lightcloud devices as possible.



**All of the devices don't have to be within a 100' of the Gateway, but it's ideal to have as many within direct range as possible.*

Installation

2 STEP TWO

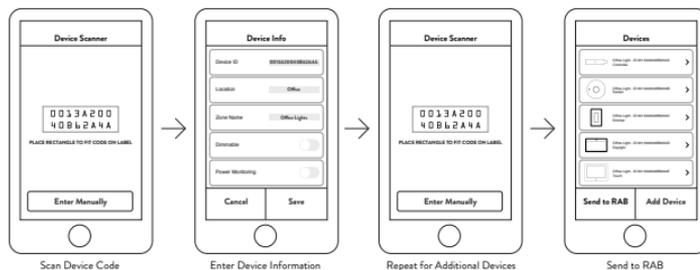
Record the Gateway's Device ID

Each Lightcloud device has a unique Device ID for identification that needs to be documented. To document the Device IDs, use one of the following 3 methods.

a. LC Installer App - Free

Scan Device IDs and send information to RAB

Download: lightcloud.com/lcinstaller (Available for iOS and Android)

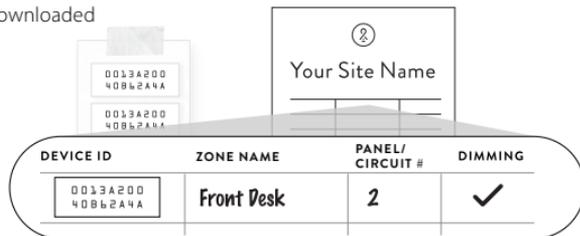


b. Device Table - Included with the Gateway

Attach Device ID stickers to Device Table and complete information.

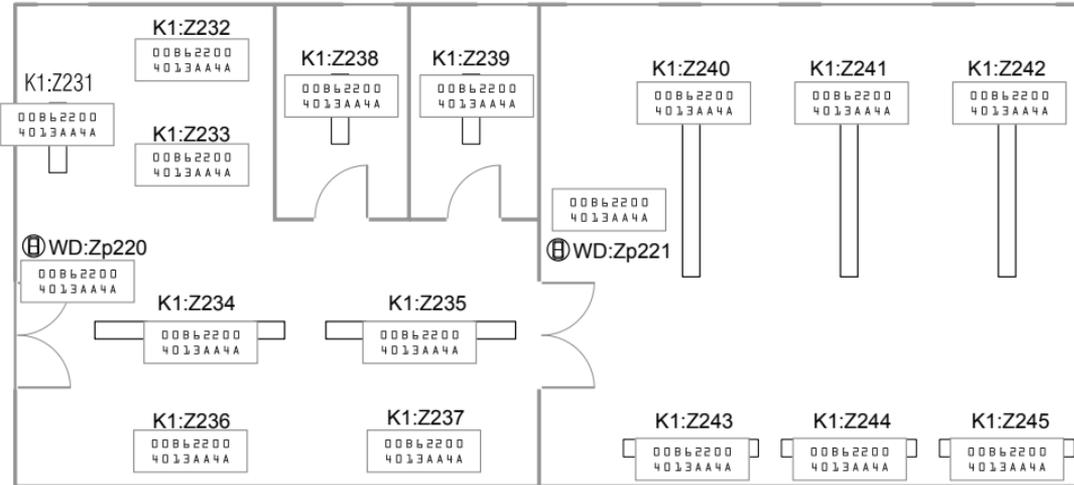
Send detailed photos of completed device table to support@lightcloud.com

Additional Device Tables can be downloaded at lightcloud.com/devicetable



c. Floor Plan

Attach the Device Identification sticker to its location on a floor plan, lighting design, or design schedule. Send detailed photos of completed plans to support@lightcloud.com.

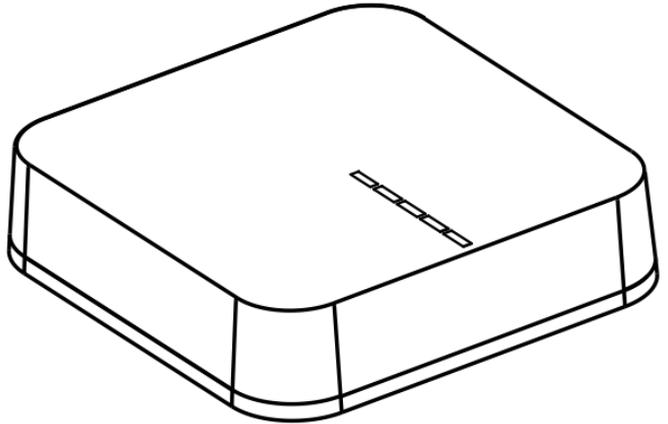


Installation

3 STEP THREE

Install Gateway

- a. Place Gateway on a surface or mount Gateway to wall using bracket and 2 supplied screws.
- b. If using ethernet, plug in ethernet cable.
- c. Plug in power cable.
- d. Verify system status



Once all LEDs are solid white, you should be able to connect to your Gateway from control.lightcloud.com or the Lightcloud® Mobile App.

To check ZigBee (*Device Mesh*) signal strength, press the recessed device button once. A number of LEDs will turn blue indicating how strong the signal is, from 1 to 4, counting from the bottom up.

LED State	Meaning
All LEDs solid white	Running normally
All LEDs pulsing white	Starting up
Some LEDs solid blue	ZigBee signal strength
All LEDs solid red	Critical failure
All LEDs pulsing red	No connection
All LEDs pulsing green	Gateway is in join mode

4 STEP FOUR

Install and Document Other Lightcloud® Devices

- a. Follow the Device Manuals to wire the other devices for permanent, unswitched power.
- b. As you wire each device, document their Device IDs using the same method you chose to document the Gateway's Device ID in step 3.

6 STEP SIX

You're Done!

Lightcloud Support will remotely configure the system.

5 STEP FIVE

Submit Device Information

After wiring and organizing all the devices, submit the device information using the LC Installer App or email photos of the documented device IDs to support@lightcloud.com.

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 the FCC's RF exposure limits for general population / uncontrolled exposure, 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.

CAUTION: Changes or modifications to this equipment not expressly approved by RAB Lighting may void the user's authority to operate this equipment.