iotGizmo
smart energy made simple

QUICK GUIDE

www.iotgizmo.com

Smart WiFi-Multi Dimmer
Model : DSCR32

Smart Touch Dimmer
Model : D6932

Requirements

- 2.4 GHz Wi-Fi router
- Neutral wire needed, 120V 60HZ for North America use
- Single pole switch only, converts 3-pole the single pole + app
- Dimmable bulbs (Compact Fluorescent Lamp (CFL), Incandescent, LED)
- Rated capacity 300W CFL and LED, 400W Incandescent

Simple Installation Process

Use screws to tighten dimmer to the electrical box

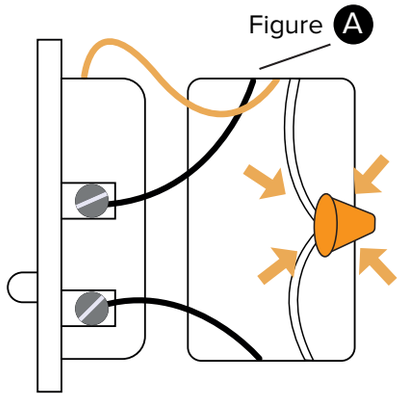
Use electrical caps for calculating wires

Step 1: Remove Old Switch/Dimmer

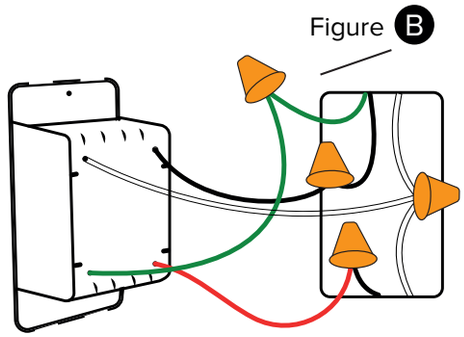
Caution

Electrical Circuits with 120V AC are HAZARDOUS and could kill people by electrocu- tion. Only certified electrician shall perform the replacement or installation of Smart Dimmer. It is essential to turn-off the breaker supplying power to the switch being replaced with smart dimmer

Figure A. Shows a typical residential electrical wiring of a switch. Two black wires are generally Line-In from the panel/breaker (Top Black) and bottom black wire Line-Out supplies electricity to the light fixture. Some old houses Line-In and Line-Out may be reversed. In such case use electrical tester to find Line-In by turning switch off. Tester indicating power is Line-In or supply wire and the other Line-Out is connected to the fixture. Now turn off the breaker and install smart dimmer.



Bare copper or green color conductor is GND wire which is grounded to the main panel. Remove all three wires and mark supply (Line-In) & fixture black wires (Line-Out) with pen or and electrical tape. Use electrical caps on live wires to prevent accidental touching or shorting of the circuit.



Step 2: Smart Dimmer Electrical Connections

Figure B. Shows how to connect wires for the ‘Smart Dimmer D6932’.

Black — Dimmer Black wire connects to Line-In or Supply from Panel/breaker.

White — Dimmer White wire (Neutral) connects to group of white wires generally capped in the electrical box and tucked on the back side and is connected to panel/breaker.

Dimmer Red wire (Line-Out/Load) connects to Black-Wire going to the light fixture

Dimmer Green Wire GND connects to ground wires in the electrical panel box.

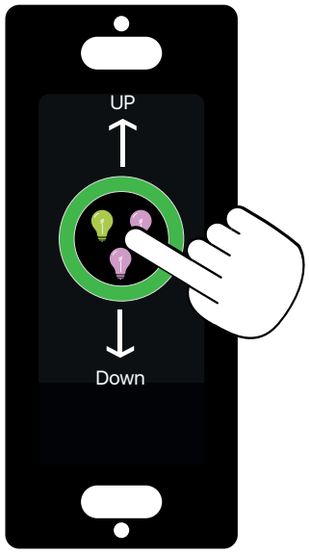
Step 3:

Step 3-A: Power ON Circuit Breaker to continue installation of the iotGizmo Touch Dimmer

Once the power is turned on by flipping the Circuit breaker you will see bottom White-LED blinking and lights turns ON. It means dimmer is connected right and is ready to control lights. User now can operate the dimmer by swiping finger up and down on the touch panel (‘Center Middle Portion on the dimmer surface’) over the LEDS and experience light dimming or turning Off & On. LEDS indicate proportional intensity control (Scale 0 to 100%).

Bottom Blinking Led indicates WiFi configuration is not completed and smart-features are not yet enabled.

Step 3-B: Power ON Circuit Breaker to continue installation of the iotGizmo Multi Dimmer



Step 4: Power ON Circuit Breaker-Energizing the Smart Dimmer

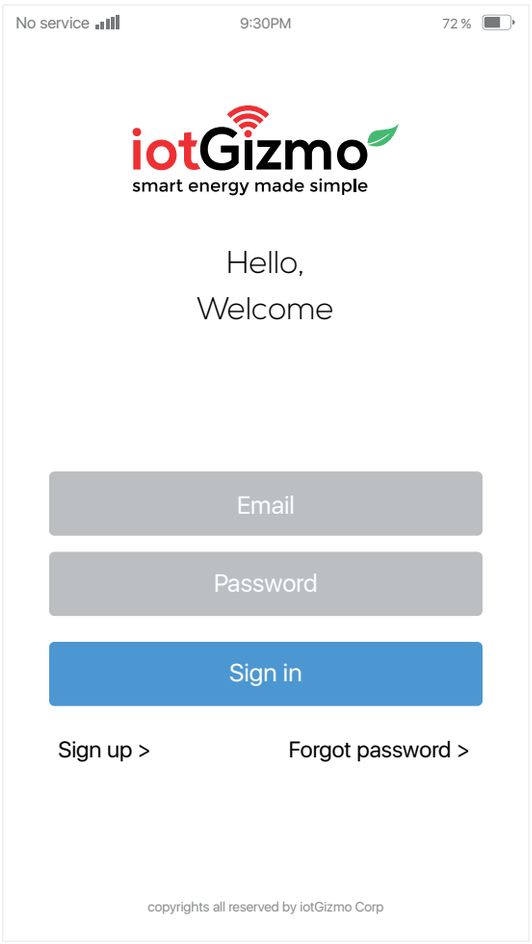
- Download iotGizmo app from the app-store for iOS and play-store for Android smart phones.

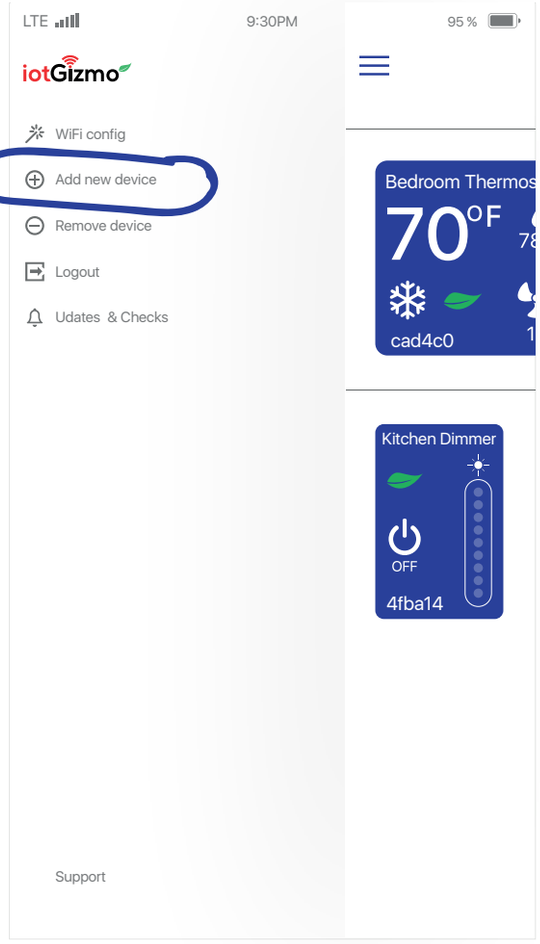
- Register at the website and create a login/password, there will be a confirmation email sent to the registered login-emailD. Click OK on the link and your credentials will be established for cloud-server access to control smart devices.

- Login to the app with login/password you have used to register. You shall see the following screen.

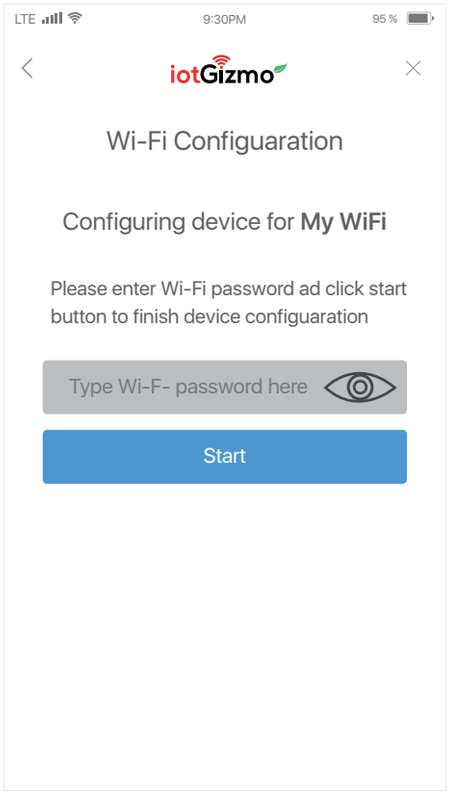
- Configure WiFi as shown in the screen below

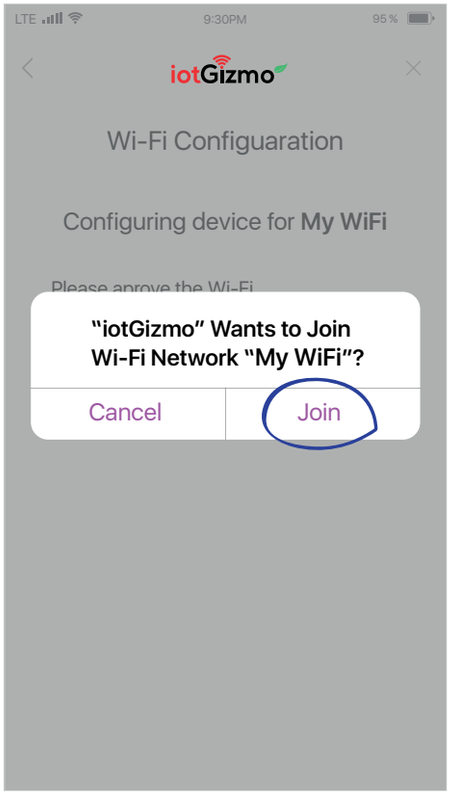
  Select > WiFi config menu option



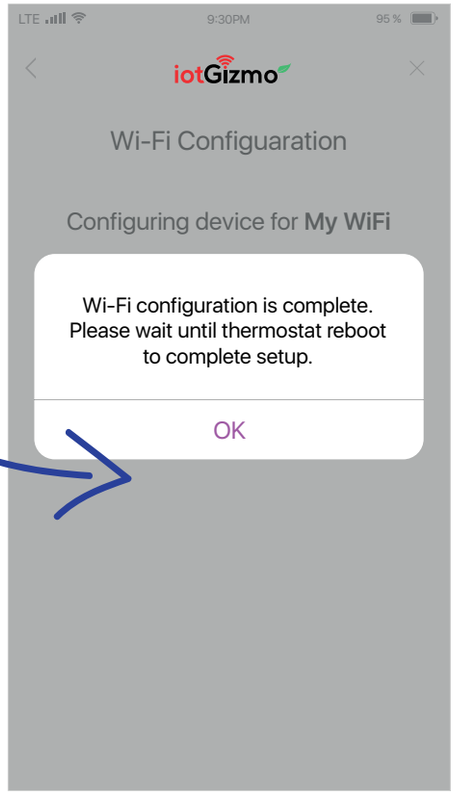


NOTE: Your smartphone must be connected to your home router using 2.4GHZ wifi band. Enter Password for your router(My WiFi) in the below screen prompt.



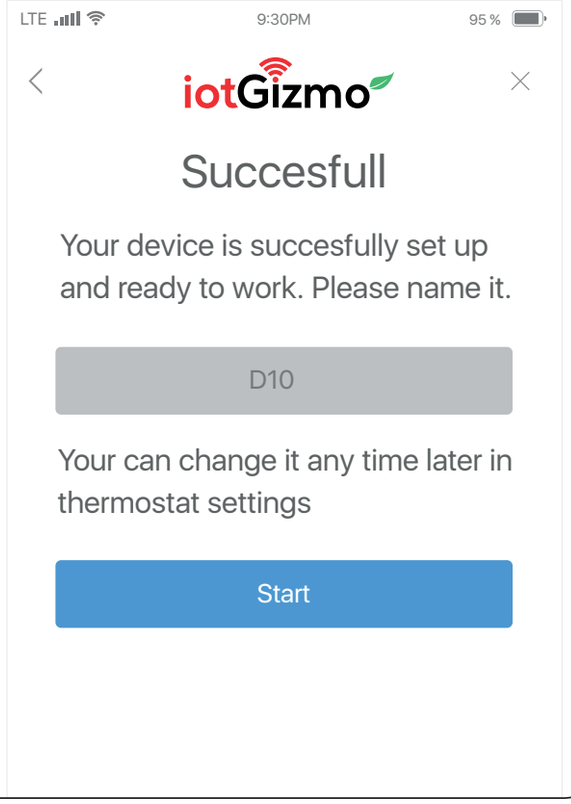


Select 'Join' and if the process is successful once shall see the right side screen.

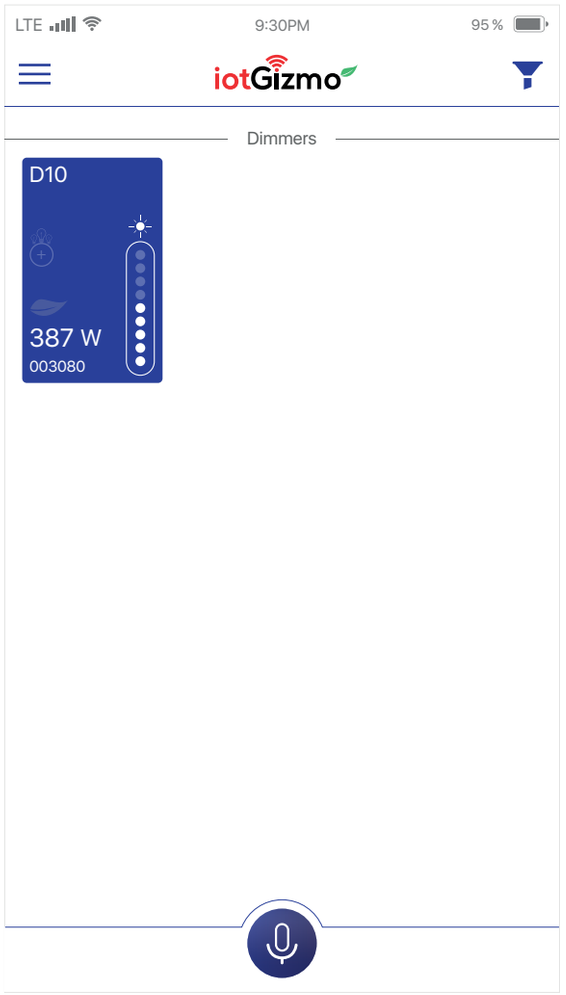


Step 5: Adding Device & Controlling the Dimmer

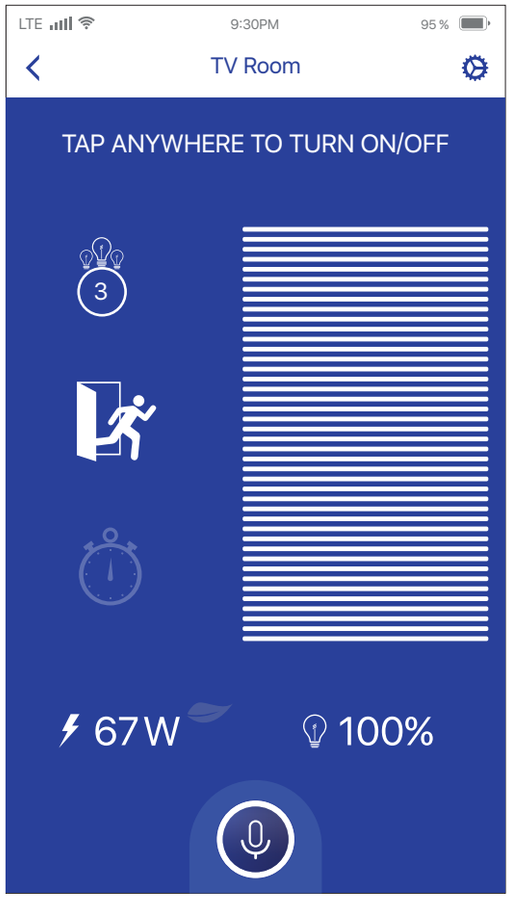
Once WiFi configuration is successful, the bottom LED will stop blinking and the dimmer can communicate with the app. The following screen will appear to allow you to name the dimmer (e.g: Kitchen, KthnLight, Living Rm, or TV Room, etc.) and adds to your device list.



Once the IotGizmo Dimmer is added to your device list as shown below, you can control the dimmer from your smartphone.



Smart-Phone Control :



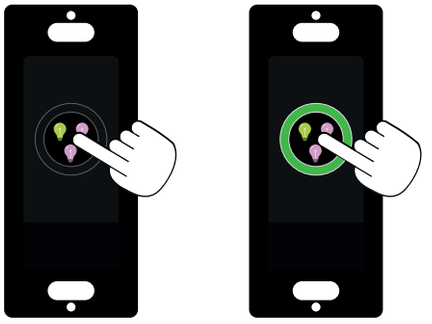
Step 6(A): Manual Dimmer operations - **Touch Dimmer**

The dimmer can turn the light on or off by touching anywhere in the middle where the LEDs indicate the dimmer level. iotGizmo Dimmers always remember the previous brightness level and illuminate your lights to the previous setting.

If you want to change the brightness level, slide finger or thumb up or down the middle over the LED indicators to set the dimmer to a desired level. Once again, you can turn the light on or off by touching anywhere in the middle along the LED indicators. LEDs will illuminate to indicate proportional light intensity.

Step 6(B): Manual Dimmer operations - **Multi Dimmer**

Dimmer can be operated by touching the circular portion of the LCD screen to turn on or off. Multi-dimmer always remembers previous brightness level and illuminate your lights (multiple room lights) to the previous setting.

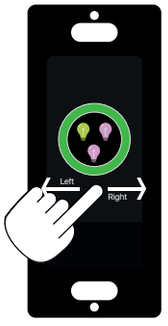


OFF ON

Brightness control (50%)

If you want to change brightness level slide thumb on touch panel in the clockwise direction to increase or decrease brightness. Once again turn light on or off by touching screen panel anywhere preferably in the center area.

Group icon screen controls all lights in a single group. To operate the multi-dimmer for control of light in other rooms such as kitchen, family room and living room, swipe the fingers from right to left or left to right and control individual lights as show below.



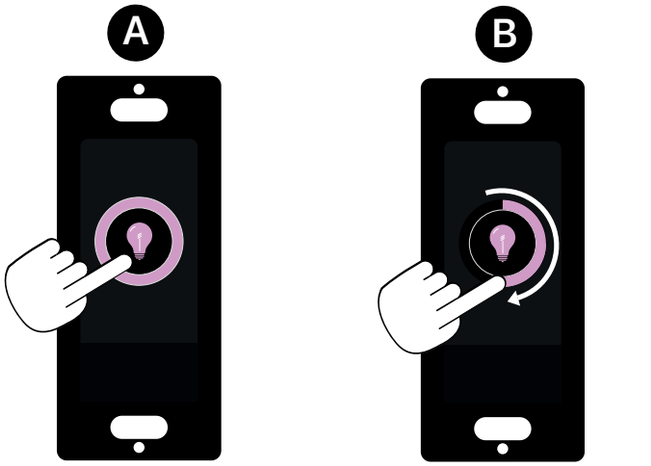
Manual Operation of Single Dimmer:

A Multi-dimmer always remembers previous brightness level of single dimmer and illuminate your lights to the previous setting.

B If you want to change brightness level, slide thumb on touch panel in the clockwise direction to increase or decrease brightness.

C If you want to turn light ON/OFF simply touch the panel, preferably in the center area.

i) Kitchen Dimmer

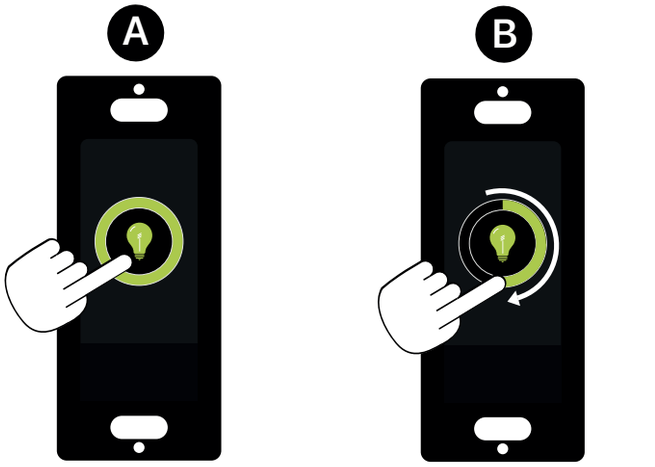


ON

Brightness control (50%)

OFF

ii) Family Room Dimmer



ON

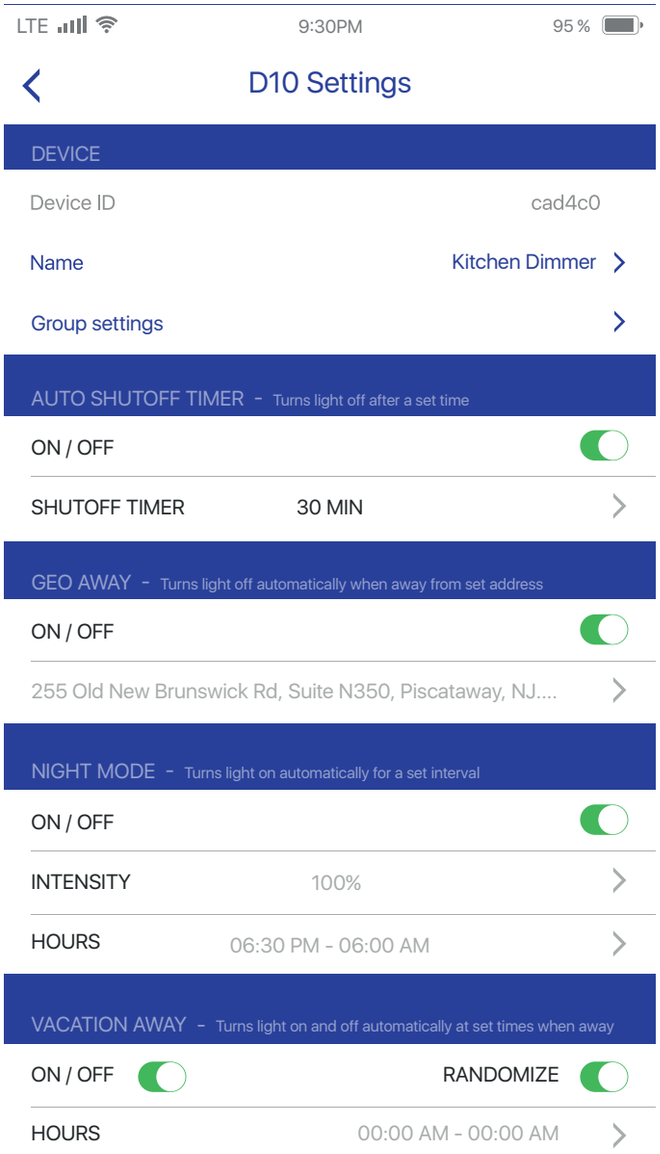
Brightness control (50%)

OFF

Multi dimmer can controls a maximum of 3 single dimmers.

Step 7: Advanced features such as Lighting schedules etc.

Advanced features are provided to automate light controls in order to save energy and for your convenience. The Multi Dimmer has an additional feature to add and remove other dimmers in a group. These features are all configured in the dimmer settings screen as shown below.



Diagnostics and trouble shooting

1. If you are unable to configure WiFi and the device is in WiFi setup mode, check your router password is correct and also your router and smartphone are compatible to work with 2.4GHZ WiFi frequency.

2. Also make sure you have decent WiFi signal strength at the location where this dimmer is installed. Generally metal boxes and metal surface-wall-plates hinder WiFi signals. WiFi antenna is mounted on the top front portion of the dimmer for optimal WiFi reception. If possible, use a plastic switch cover plate.

3. Repeat the procedure once again by resetting power and/or rebooting the dimmer.

4. **Dimmer Reboot/Reset:**

   By gently touching or pressing the middle of the airgap toggle lever at the bottom.

5. **Changing Light bulbs**

   The Airgap breaker disconnects power output to the light fixture and must be pulled out when changing light bulbs. Once Light bulbs are changed, push airgap switch back into position for the lights to operate.

6. **Blinking/Flickering Lights:**

   Dimmable bulbs only work properly with these solid-state dimmers. Most CFL bulbs are not dimmable and also first generation of LED's may not be dimmable. Please ensure that your bulb is dimmable.

   Using non-dimmable bulbs with smart dimmers may induce noise on the light circuitry and the dimmer may not behave properly.

   For further help contact us

FCC caution

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.

§ 15.21 Information to user.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

§ 15.105 Information to the user.

Note: 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 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.

∗ RF warning for Mobile device:

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

Contact Us

iotGizmo Corporation

255 Old New Brunswick Rd,
Suite N350 Piscataway, NJ,
08854, USA

☎ **1-732-734-4820**

support@iotgizmo.com

www.iotgizmo.com

Download the iotGizmo App
from the Appstore and Google play

Download on the App Store

ANDROID APP ON Google play

Thank you
for saving energy.