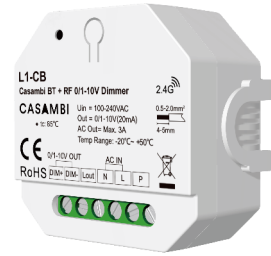


L1-CB

Casambi Bluetooth + RF 0/1-10V Dimmer

- Casambi Bluetooth + RF + Push 0/1-10V dimmer.
- Output 1 channel 0/1-10V signal to control 0/1-10V dimmable LED driver.
- High-voltage AC input, high-voltage AC relay switch output, with zero-crossing detection function..
- Casambi APP control, supports On/Off, brightness adjustment, group control, scene editing, Min/Max Brightness setting, power-on status and various power-down memory settings.
- 0-10V or 1-10V signal output can be set by key.
- 256 levels of 0-100% dimming smoothly without any flash.
- Compatibility with RF 2.4G single zone or multiple zone dimming remote control.
- Connect with external push switch to achieve on/off and 0-100% dimming function.
- Built-in high surge relay.
- Easy to be placed on rail or in standard wall junction box.

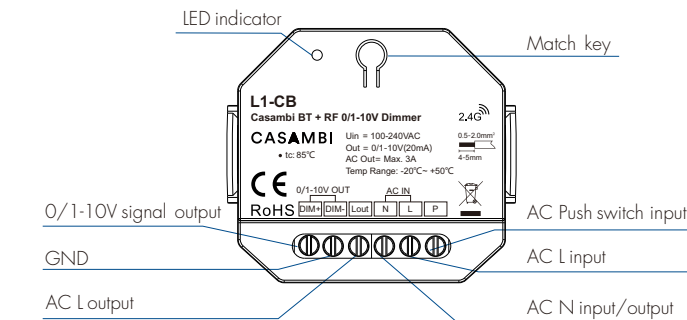


CE RoHS

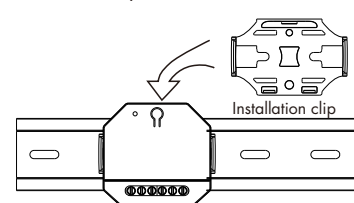
Technical Parameters

Input and Output		Dimming data		Safety and EMC	
Input voltage	AC100-240V	Input signal	Bluetooth + RF 2.4GHz + Push	EMC standard	EN IEC 55015/ EN IEC 61547 ETSI EN 301 489-1/-3/-17
Output signal	0/1-10V (20mA)	Control distance	30m(Barrier-free space)	Safety standard	EN 60669-1/-2
Output current	Max. 3A (AC)	Dimming range	0-100%	Radio equipment	ETSI EN 300 440 ETSI EN 300 328
Inrush current	200A	Environment		Certification	CE RoHS
Package		Operation temperature	Ta: -20°C ~ +50°C	Warranty	
Size	L60 x W60 x H40mm	Case temperature (Max.)	Tc: +85°C	Warranty	5 years
Gross weight	0.060kg	IP rating	IP20		

Mechanical Structures and Installations

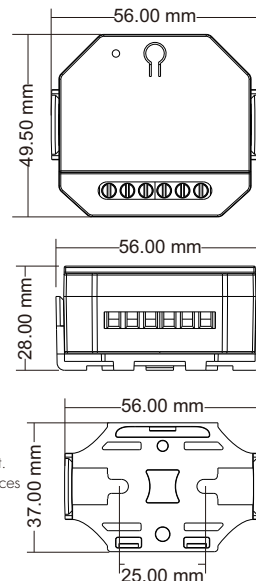


Installation way



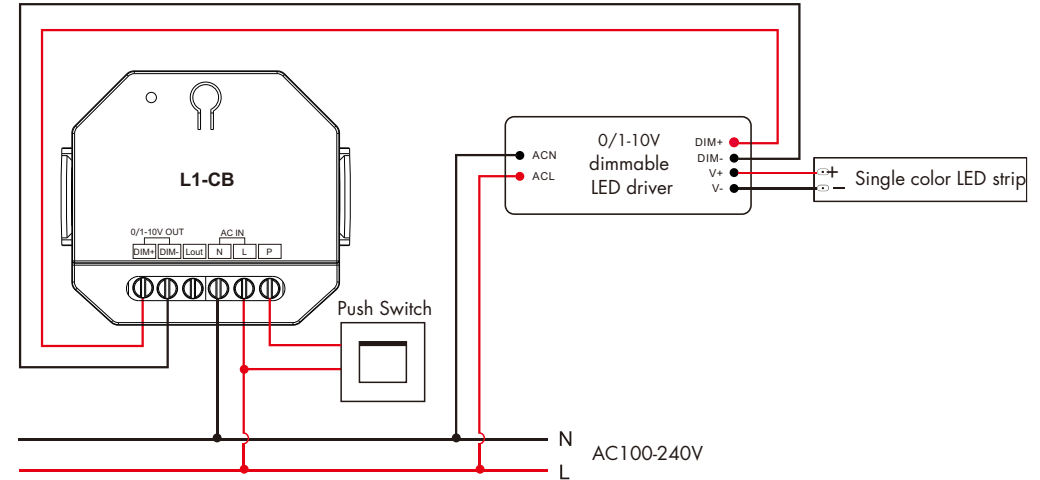
Note:

1. The installation must be installed or removed by a professional electrician.
2. Please keep the device out of the reach of children.
3. Please keep away from water, humid or hot environment.
4. The device should be kept away from strong signal sources (such as microwave ovens) to avoid signal interruption and cause the device not to work properly.
5. Avoid placing the device close to or near high-density materials(such as metal, concrete walls, etc.), which will reduce or block the wireless signal.

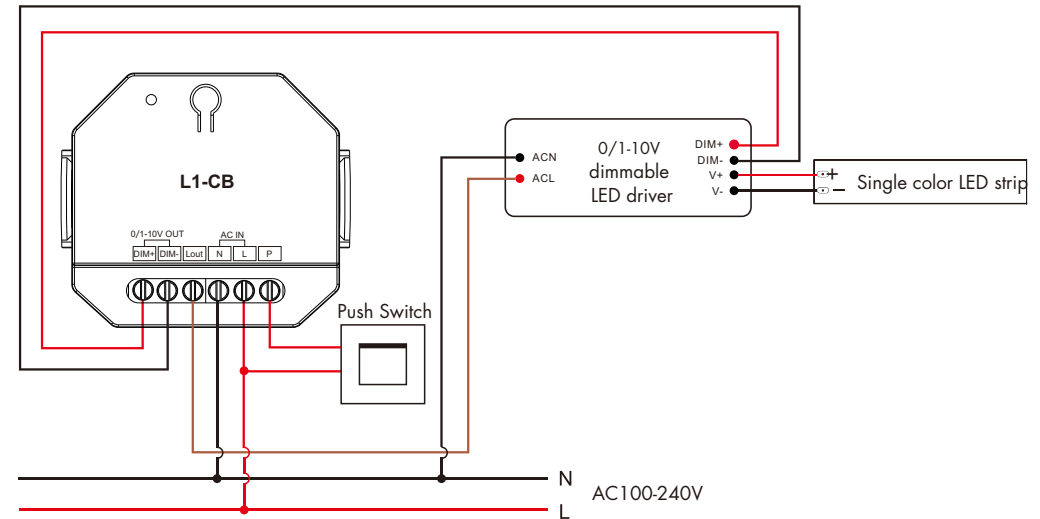


Wiring Diagram

- Connect 0/1-10V dimming driver (without AC output)



- Connect 0/1-10V dimming driver (using AC output)



Note:

1. In order to ensure dimming consistency, we recommend the number of LED drivers connected to 0/1-10V dimmer does not exceed 50 pcs, the maximum length of the wires from dimmer to LED driver should be no more than 50 meters (use copper wire with a cross-sectional area of 0.75 m² for wiring).
2. The maximum inrush current of the AC output is 200A. When connecting multiple capacitive (LED driver) or inductive loads, make sure that the sum of the inrush currents does not exceed the maximum value, otherwise the product may be easily damaged if used for a long time.

Casambi APP Connection

Use Casambi APP for the first time

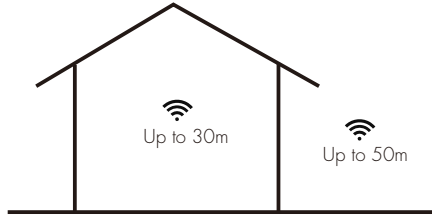
When devices are used for the first time, they need to be added to the network.
A device can only be part of one network.

All Casambi devices are normally supplied in an unpaired state.

1. Download the Casambi APP from the Apple App Store or Google Play Store.
2. The device is powered on and automatically enters the config state.
3. The APP will search for all devices with casambi turned on within the Bluetooth range of the mobile device.
4. When a device is added to the network, it can be controlled by application.

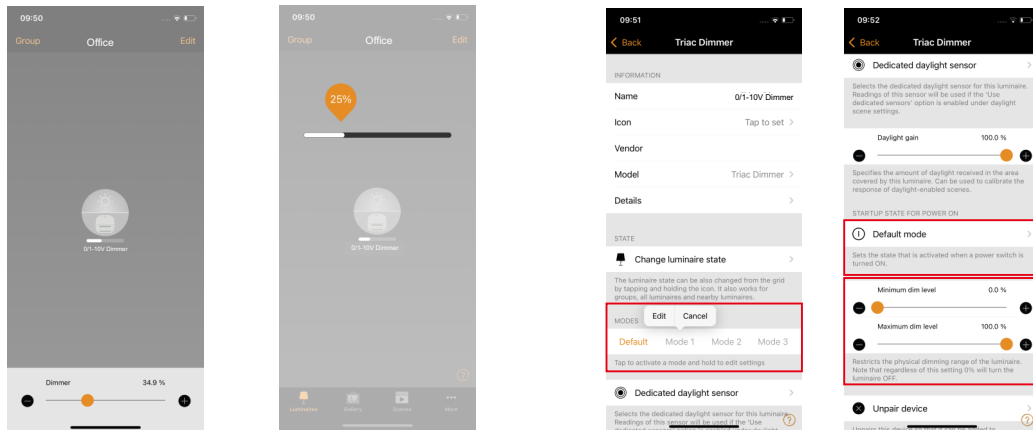


Compatible System: Android 4.4 and ios10.0 or above



Casambi uses Bluetooth Mesh network technology and each Casambi device can also be used as a repeater for longer distances.
The distance is highly dependent on the surroundings and obstacles such as walls and building materials.

Casambi APP user interface



Main interface dimming:

Option 1: Slide the lamp icon left or right to adjust the brightness.
Option 2: Long press the fixture icon, a pop-up window at the bottom of the interface will show the brightness slider, touch the brightness slider to adjust the brightness.

Mode Setting / General Startup Status / Minimum, Maximum Brightness Setting:

Double click the fixture icon to enter the setting interface:
Long press 'Mode 1/2/3' to edit/clear/cancel the setting mode.

Short press 'Default Mode' to select universal startup state.
Slide the adjustment slider left/right or click '+/-' button to set the minimum/maximum brightness.

Match RF Remote Control (two match ways)

End user can choose the suitable match/delete ways. Two options are offered for selection:

Use the controller's Match key

Match:
Short press Match key,
Immediately press on/off key (single zone remote) or zone key (multiple zone remote) of the remote.
The LED indicator fast flash means match is successful.

Delete:
Press and hold Match key for 5s to delete all match,
The LED indicator fast flash means all matched remotes were deleted.

Use Power Restart

Match:
Switch off the power, then switch on power, repeat again.
Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 3 times on the remote.
The light blinks 3 times means match is successful.

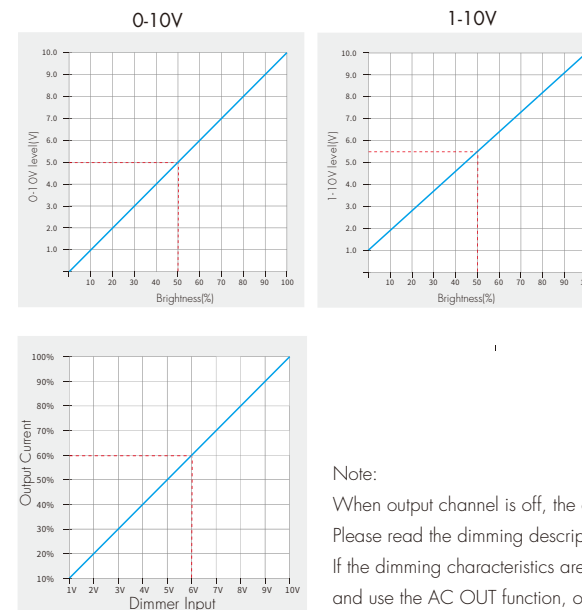
Delete:
Switch off the power, then switch on power, repeat again.
Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 5 times on the remote.
The light blinks 5 times means all matched remotes were deleted.

AC Push-Dim

- Short press: Turn the light on or off.
- Long press (1-6s): Step-less dimming, brightness increases or decreases continuously, each time you release and then long press again, the brightness changes in the opposite direction.

0-10V or 1-10V Setting

Select 0-10V or 1-10V output depending on the dimming driver.



- Long press the match key for 10s, the LED indicator blinks 2 times, set 0-10V output.
- Long press the match key for 15s, the LED indicator blinks 3 times, set 1-10V output.

Note:

When output channel is off, the output dimming signal may be 0V or 1V.

Please read the dimming description section of the 0/1-10V LED dimming driver.

If the dimming characteristics are as shown on the left, the 1-10V output must be selected and use the AC OUT function, otherwise the lights will not be turned off.

Installation Precautions

1. The controller should not be installed close to the switching power supply, and the distance between them should be $\geq 20\text{cm}$, so as to avoid interference from the radiation of the switching power supply.
2. The installation height shall be $\geq 1\text{m}$ from the or to avoid shortening the remote control distance due to too weak reception signal.
3. The products are not allowed to be close to or covered by metal objects, with an interval of $\geq 20\text{cm}$ to avoid signal attenuation and shorten the remote distance.
4. Avoid installation at the corner of the wall or the corner of the beam, with an interval of $\geq 20\text{cm}$ to avoid signal interference.