candeo

Zigbee LED Strip Controller

C-ZB-LC20

zigbee

Works with SmartThings

Works with Home Assistant

Works with hue

Works with Hubitat ELEVATE YOUR ENVIRONMENT

MQTT

Technical Specs

Model	5-in-1 controller (C-ZB-LC20)
Connectivity	Zigbee, 2.4GHz RF
Input Voltage	DC12-24V
Output Current per channel	15A Max
Output Current (total)	20A Max
Working Temperature	-20°c ~ 45°c
Control	App, voice, button, retractive switch
Dimensions	108mm x 45mm x 18mm

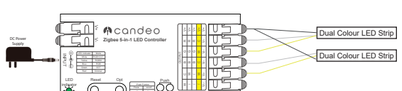
Important

Warning:

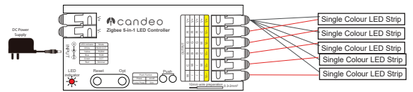
1. Please ensure that you are using the appropriate power source for your LED strip. This controller is not a transformer and will pass through the input voltage to your LED strip. A power source of voltage higher than the requirements of your LED strip will likely damage the LED strip.
2. Before turning on the power, please ensure that all connections are correct and secure. Do not secure the wires to the terminals while the power is on.
3. The product should be used under the rated voltage. Using it under excessive or insufficient voltage may cause damage.
4. Do not disassemble the product, as it may cause fire and electric shock.
5. Do not use the product in environments with moisture, high temperatures, or with prolonged exposure to direct sunlight.
6. Do not use the product in metal shielded areas or around strong magnetic fields, as this may affect the wireless communication of the product.

Wiring

Wire your LED controller dependent on the type of your LED strip.

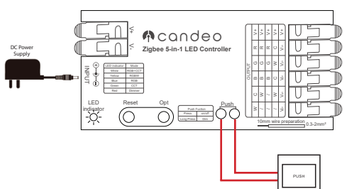


Wiring (cont.)

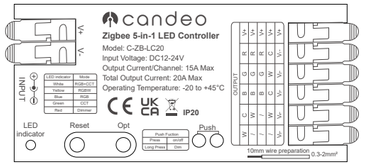


Wiring with a retractive switch

A retractive (push) switch can be used with the controller. Press once for on/off toggle; and hold to dim up/dim down.



Preparation and Pairing



1. Power on your controller with your appropriate DC power supply.
2. Press and hold the Reset Button for 5 seconds.
   This will reset the controller back into the default mode of RGBCCT.
3. Short Pressing the Opt button cycles through the modes. Press the Opt button until the LED indicates that you have matched the mode of the controller to your LED strip type.

LED Strip type	RGBCCT	RGBW	RGB	CCT	Dimmer
LED indicator on controller	White	Yellow	Blue	Green	Red

4. Put your Zigbee hub in Pairing Mode, and your hub should detect your Candeo LED strip controller.

- If your hub does not find the controller, please try powering off and powering on the controller, and scanning again.
- If the controller can still not be found, power on the controller and reset the device again by holding the reset button for 5 seconds, and then set the appropriate mode again.

Setting the Power restore state

- The controller will typically turn on after power restore, following a power failure.
- To set the controller to return to it's previous state in the event of a Power Restore, press and hold the Opt button for 5 seconds.
- The LED indicator will blink blue 3 times.
- To reset the controller to always turn on in the event of a Power Restore, repeat the process by pressing the Opt button for 5 seconds.

Frequency Settings

- The freqency settings of the controller can be adjusted if necessary.
- A short press of the Reset button will adjust the frequency to the next frequency in the table below.
- The indicator will flash pink before returning to the previous colour after 2 seconds.
- The number of pink flashes determine the current frequency.

	600Hz	800Hz	1000Hz	2000Hz	4000Hz	8000Hz
# flashes	1	2	3	4	5	6

Advanced Settings: Zigbee TouchLink Pairing

1. To ensure a successful TouchLink pairing, the distance between the controller and the remote should be less than 10cm.
2. Press the Reset button on the LED strip controller 3 times quickly.
3. Set the remote into TouchLink pairing mode.
4. If the connection is successful the remote will indicate a successful pairing.

- With direct TouchLink (when two devices are not added to the same zigbee network), each device can only be connected to one remote control.
- If the device and remote control are added to the same zigbee network, then each device can be controlled by a maximum of 30 remote controls.

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For further support please go to www.candeo.io

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