

# Installation Guide

DM2500ZB-C4

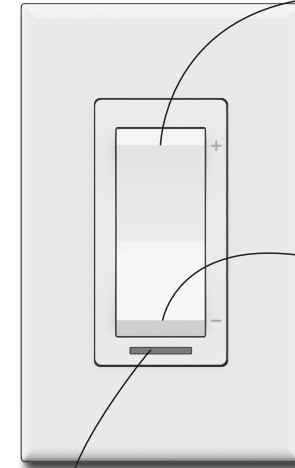
Smart Dimmer

zigbee 3.0



sinopé

## Your smart dimmer DM2500ZB-C4



Press once to turn ON the light. Hold down the button to increase the intensity. Press twice to turn on the light at maximum intensity.

Press once to turn OFF the light. Hold down the button to decrease the intensity.

Indicator light

Light turned ON = Blue  
Light turned OFF = Amber

The indicator intensity can be changed from your Control4 controller.

### CAUTION!

To reduce the risk of overheating and possible damage to another device, do not install to control an outlet, a motor or a transformer.

## Warnings

This product is only compatible with the Control4 home automation system.

The installation of this dimmer should be made by a certified electrician and must be installed in conformity with the national and local Electrical Codes.

This dimmer requires a neutral wire. If your electrical box does not have a neutral wire, you can either add one or install the dimmer at a different location.

## Maximum load per dimmer for a single or a multi-gang installation:

	Incandescent Lamp	Halogen Lamp	Dimmable LED / CFL
Single installation	600 W	600 W	150 W
Multi-gang (2 units)	500 W	500 W	150 W
Multi-gang (3 units)	400 W	400 W	150 W

## Technical specifications:

Operating voltage	120 Vac, 60 Hz
Operating temp.	0 °C to 40 °C (32 °F to 104 °F)
Storage temp.	-20 °C to 50 °C (-4 °F to 122 °F)
UL Standard	Conforms to ANSI/UL Std. 1472
CSA Standard	Certified to CAN/CSA Std. C22.2#184.1

## Provided connectors specifications:

Stripping length: 16 mm  
Wires: 22-10 AWG, Cu  
Combinations: Max. 2 #12 & 2 #14, Min. 3 #20 Sol.

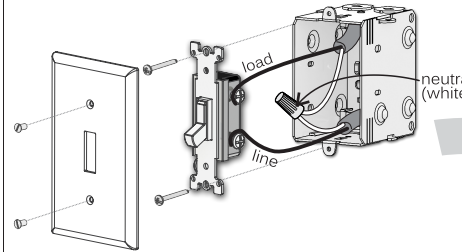
Zigbee 3.0 profile

Frequency: 2.4 GHz

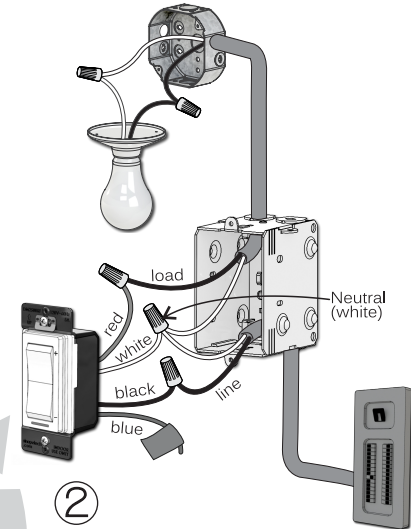
Transmission power: +20 dBm

Receiver sensitivity: -108 dBm

## Install your dimmer



① Make sure that the breaker for your switch is OFF at the main electrical panel then remove the old switch.



② Use the provided connectors to connect the wires as follows:

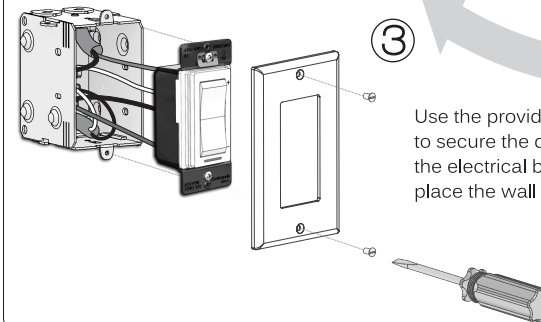
Red -> Load  
Black -> Line  
White -> Neutral  
Blue -> None\*

\*Note: For a single pole installation, do not remove the label on the blue wire. For a 3-way installation, consult the 3-way wiring diagram on the next page.



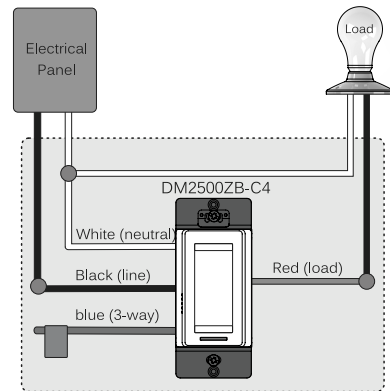
Make sure to firmly tighten the wire connectors for a secure connection. A loose connection can be a fire hazard. Special CO/ALR solderless connectors must be used when connecting with aluminum conductors.

④ Power up the dimmer.

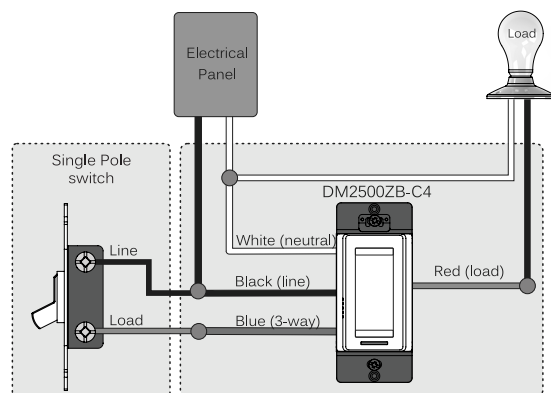


③ Use the provided screws to secure the dimmer to the electrical box. Then, place the wall plate.

### Single pole wiring diagram



### 3-way wiring diagram



### Connect your dimmer to a Control4 home automation system

①

Initiate the Control4 controller connectivity session by referring to it's user guide.



②

Connect your dimmer to the network by pressing the top button 4 times.

**The indicator flashes blue = Connecting**

**The indicator turns green = Connected**

If the connectivity fails, the indicator will turn red. Refer to our Website to troubleshoot the unit.

After a few seconds, the indicator changes color depending on the dimmer status.  
(Turned ON = blue, Turned OFF = amber)



When all the dimmers are connected, close the connectivity session of a Control4 controller

④

③

Connect all your dimmers the same way, by going to the next closest dimmer.

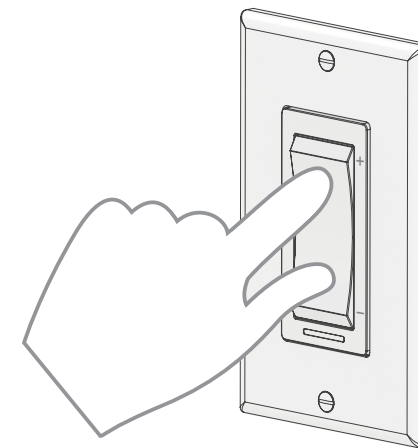


For more information, visit our website at: [www.sinopetech.com](http://www.sinopetech.com)

### Disconnect your light switch from a Control4 home automation system

To disconnect your dimmer from a Control4 controller, press the 2 buttons of the dimmer simultaneously for 10 seconds.

This action will also restore the factory settings of your dimmer. All your settings will be deleted.



**Transmitter Module IC: 22394-ZBM1501 / FCC ID:2AK2T-ZBM1501**

This device complies with Industry Canada license exempt RSS standard(s). Operation is subject to the following two conditions:

(1) this device does not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

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.

### 3-year limited warranty

SINOPÉ TECHNOLOGIES INC. warrants the components of their products against defects in material and workmanship for a 3 year period from the date of purchase, under normal use and service, when proof of purchase of such is provided to the manufacturer. This warranty does not cover any transportation costs that may be incurred by the consumer. Nor does it cover a product that has been improperly installed, misused or accidentally damaged. The obligation of Sinopé Technologies Inc., under the terms of this warranty, will be to supply a new unit and this releases the manufacturer from paying the installation costs or other secondary charges linked to replacing the unit or the components.

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For more information, visit our Website:

[www.sinopetech.com](http://www.sinopetech.com)

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660-2131-0003-A