

sinopé

DM2550ZB

Installation Guide

Smart Adaptive
Phase Dimmer

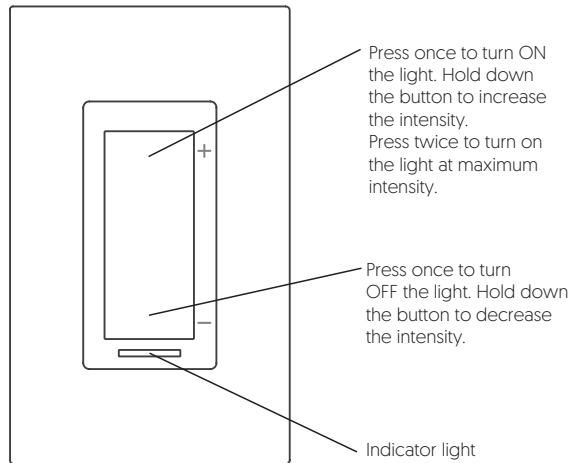
zigbee 3.0

Warnings

The installation of this dimmer must be performed by a certified electrician and comply with the national and local electrical codes and regulations.

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.

YOUR SMART DIMMER DM2550ZB



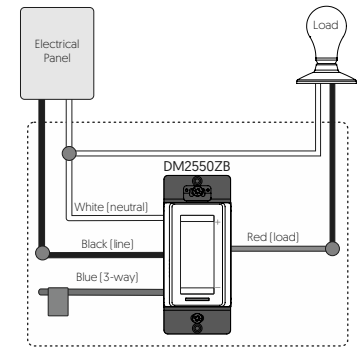
Light turned ON = Blue
Light turned OFF = Amber

The indicator intensity can be changed from Neviweb and some compatible Zigbee gateways.

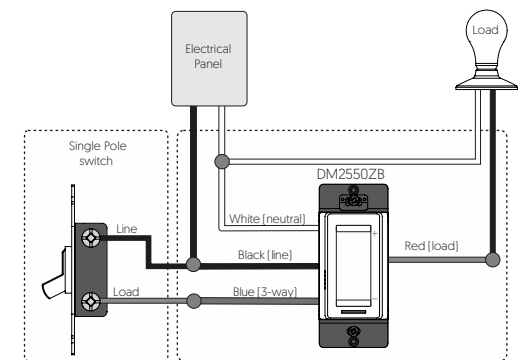
CAUTION!

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

SINGLE POLE WIRING DIAGRAM

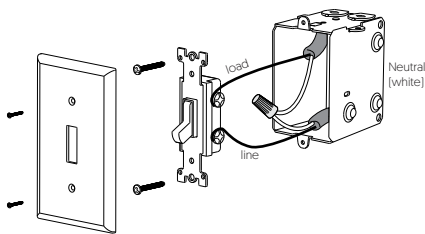


3-WAY WIRING DIAGRAM



INSTALL YOUR DIMMER

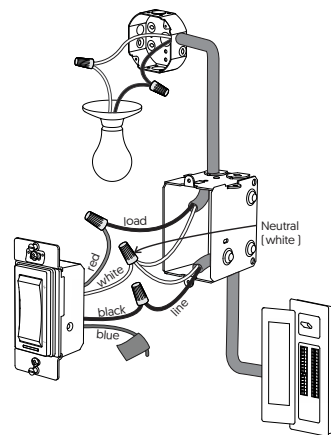
- 1 Make sure that the breaker for your switch is OFF at the main electrical panel then remove the old switch.



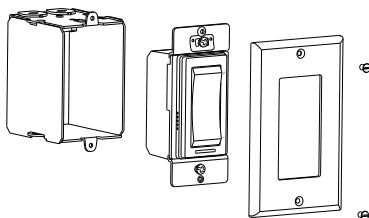
- 2 Use the provided connectors to connect the wires as follows:

Red	→	Load
Black	→	Line
White	→	Neutral
Blue	→	None*

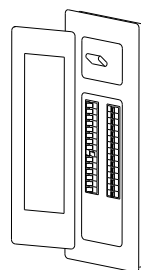
***Note:** For a single pole installation, do not remove the label on the blue wire. For a 3-way installation, see the 3-way wiring diagram section above.



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



- 4 Power up the dimmer.



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.

- 1** If you do not have an account yet, download the Neviweb app for iOS or Android to open an account and add your device.



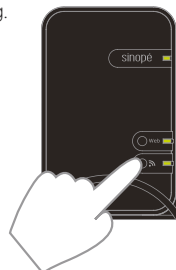
- 2** Tap the then select "Add Device"



- 3** Follow the steps of the Installation Wizard

- 1** Initiate the connectivity session by pressing the RF signal button on the GT130 gateway. The indicator light will start flashing.

Compatible Zigbee gateway: refer to the installation guide for the latter.

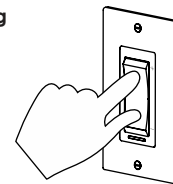


- 2** Connect your dimmer to the gateway by pressing simultaneously the two dimmer buttons for 1 second.

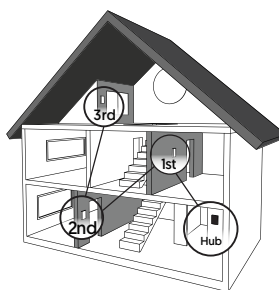
The indicator flashes blue = Connecting
The indicator turns green = Connected

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

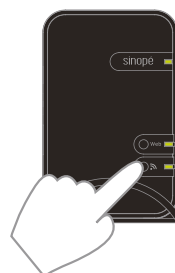
After a few seconds, the indicator changes color depending on the dimmer status. (Turned ON = blue, Turned OFF = amber)



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

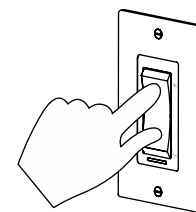


- 4** When all your devices are connected, close the connectivity session of your GT130 gateway or your compatible Zigbee gateway.



DISCONNECT YOUR DIMMER FROM THE GT130 GATEWAY OR A COMPATIBLE ZIGBEE SYSTEM

To disconnect your dimmer from the GT130 gateway or a compatible Zigbee system, press the 2 buttons of the dimmer simultaneously for 10 seconds.



TROUBLESHOOTING

LED bulbs flicker at low intensity

The minimum dimming light intensity can be adjusted in the Neviweb app to prevent the LED bulbs from flickering. See the following link for more information:
<https://support.sinopetech.com/en/1.2.3.2.1/>

Bulbs flicker at low and high intensity

The DM2550ZB dimmer is configured in reverse phase by default to ensure more compatibility with most LED, incandescent and halogen bulbs. If a flickering problem persists, it is possible to change the control mode in the dimmer settings on the Neviweb app.

TECHNICAL SPECIFICATIONS:

Operating voltage: 120 Vac, 60 Hz
Operation temp.: 0 °C to 40 °C [32 °F to 104 °F]
Storage: -20 °C to 50 °C [-4 °F to 122 °F]
Standard UL: Conforms to ANSI/UL Std. 1472
Standard CSA: 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.

MAXIMUM LOAD PER DIMMER FOR A SINGLE OR A MULTI-GANG INSTALLATION:

	Incandescent Lamp	Halogen Lamp	Dimmable LED
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

Protocol: Zigbee 3.0
Frequency: 2.4 GHz
Transmission power: +20 dBm
Receiver sensitivity: -108 dBm

Transmitter Module IC: 22394-ZBIM1501 / FCC ID:2AK2T-ZBIM1501
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

SINOPE 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 SINOPE 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.

