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iEBELONG ERC2203-W WiFi Triac Dimmer User Guide

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1. Amazon Alexa APP / Google Home APP

2. Amazon Alexa / Google Home account (users need to register

3. Echo, Echo Dot, Tap or other Amazon voice-operated devices.

4. Google Home, Google Home Mini or other Google voice-operated devices.

Enable Smart Life skill/action in your
Alexa / Google Home APP
Search for "Smart Life" skill and add it to the Alexa APP "Smart Home" skills. For Google Home search for "Smart Life" action and add it to Home Control. Enable the skill/action in your Alexa / Google APP and input the name and password used to register the Kinetic switch APP to link it with Alexa/Google APP.
Voice control can be used now to control the Wi fidevice such as: "Alexa/Ok Google, turn on/off (kitchen light]"
"Alexa/Ok Google, set [bed light] to 50 percent"

Wifi Controller Switch Pairing Method:
WiFi Mini dimming receiving controller and wireless switches can be paired with any combination: a controller can be operated by a maximum of 10 separate switches, a switch can pair an unlimited number of controllers.
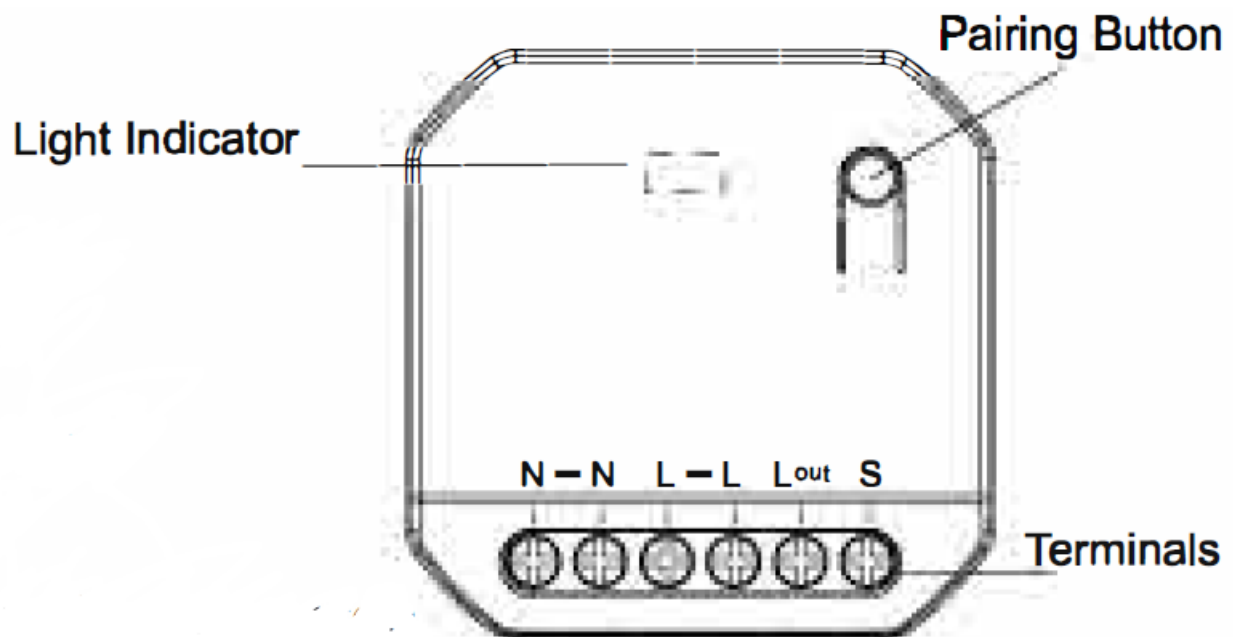
Product Description

The WiFi Triac Dimmer has a 1.5A capacity output and it works with traditional switches for dual or multiple control, allowing easy 2-way switching between a traditional and a Quinetic switch. It can be mounted in the ceiling, wall, electrical socket box, lamp panel. Using the Kinetic Switch APP it can be voice controlled with scene and timing control.

Specifications

- Product Code: ERC2203-W
- Voltage range: 200-240V 50/60Hz
- Working environment temperature: -20 C – 40 C
- Control distance*:80m outdoor,25m indoor
- Capacity: Up to 10 switches can be paired with one controller
- Control method: WiFi through Device APP
  (search " Kinetic Switch" in store) and pairing with Wireless Switch (see instructions)
- Product Size: L44•W44*H22mm
- Communication Way: WiFi IEEE 802.11 b/g/n 2.4G
  & RF 433MHz
- Control Load: 1.5A
- Maximum Load: 150W LED
  - Distance comes from laboratory test results. The actual distance in practical use might vary due to environmental difference.
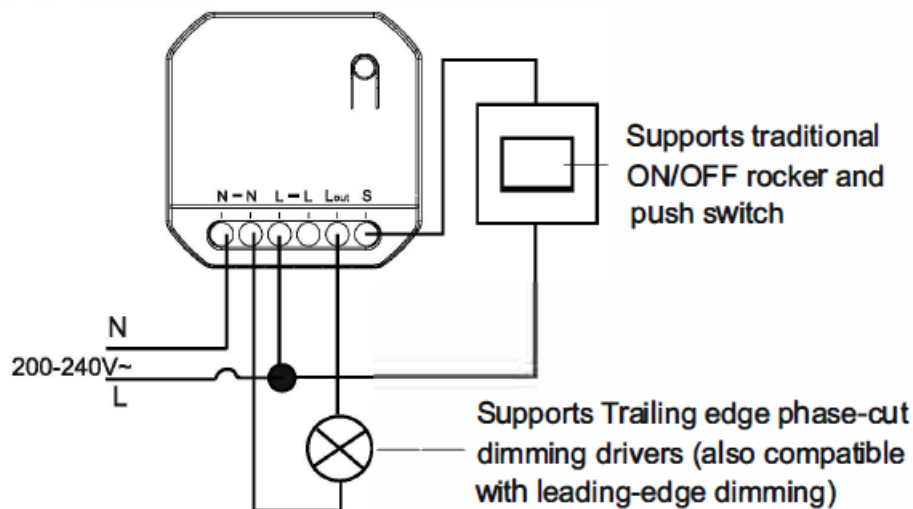 - Maximum load rating may vary depending on manufacturers specifications.
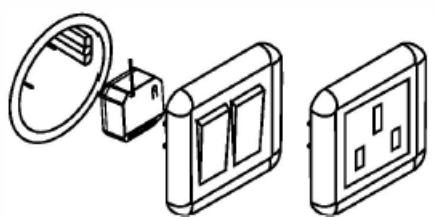
Terminals:

- N: Neutral Input terminals
- L: Live Input terminals
- L-out: Live Output terminal connected to light/load
- S: Input terminal for traditional switch (supports both push and rocker switch)

Installation

1. Ensure that the power is turned off before installation.
2. The mini wireless receiver/controller line input should be connected using live and neutral cable from mains.
3. Output lines should be connected to load using cable rating suitable for 200-240V depending on voltage at site. (see diagram below).

Supports traditional ON/OFF rocker and push switch

200-240V~

Supports Trailing edge phase-cut dimming drivers (also compatible with leading-edge dimming)

Installation Locations

Mounted into the switch box or electrical socket

Mounted into the ceiling or the lamp panel

Kinetic Switch APP Download:

The free Kinetic Switch App is required to operate your WiFi controller. Ensure your iOS / Android device is connected to the internet using a Wi-Fi network.

Method 1:

1. Open the App store/Google Play on your phone.
2. Search for "Kinetic Switch" in the App store or Google Play.
3. Download the Kinetic Switch App to your phone.

Method 2:

Or you can download the app using the QR code below:

Device Pairing with the APP:

The initial setup must be performed using your 2.4Ghz Wi-Fi network (5Ghz WiFi is not supported). Both the phone and the controller must connect to your network.

1. After downloading the APP follow the prompts to register the account.
2. Turn on power to the controller and the red indicator light enters in fast flashing mode. If the light flashes differently or if you want to reset the controller press the pairing button for 1 O seconds – the light will change from slow flashing to fast flashing to still. Release the button.
3. Open the "My Home" page of the Kinetic Switch App, and click "+" on the upper right of the page.
4. Click "Light Control", select "WiFi Triac Dimmer (RF+WiFi)",
5. After successfully adding the receiver to the APP you can find the device in the "My Home" list. Lights can be controlled through the App from wherever in the world and smart scenes can be set.

Using Amazon Alexa/Google Home to control your Mini WiFi Controller
Note: We would recommend naming the devices in your Kinetic Switch App something that is easy for Alexa or Google Home to understand.
In order to integrate the Kinetic Switch app with Amazon Alexa/Google Home you need (see next page):

App Method
Enter the App page, click "Pairing" -> "Start Pairing". After the App page displays "waiting for pairing", press the corresponding button of the wireless Quinetic switch that needs to be paired. This will complete the pairing. The App will prompt "Pairing succeeded" after the pairing is completed.

Traditional Hardwired Switch Method
After the receiver is powered on (within 2 minutes), press the hardwired switch for 5 times (within 2 seconds). The light will start flashing, indicating pairing mode. At this time, press the wireless kinetic switch once and the light will stop flashing. The pairing is now completed. If the receiver is powered on for more than 2 minutes it cannot enter the pairing mode through traditional switch.
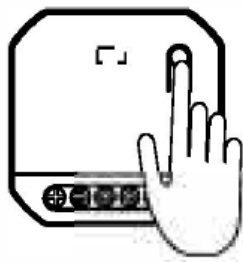
Physical Wireless Switch Method

1. Press the function button for 3 seconds and the indicator light begins to flash slowly. Release the button to enter the single pairing state. (Fig.1)
2. Press the wireless kinetic energy switch and the indicator light of the controller will go out, which means that the pairing is successful. (Fig.2)
3. Pressing the switch quickly will turn the light ON/OFF. Keep the switch pressed to dim the light to the desired level.
   While the switch is pressed the lights will go down from 100%-0% and then will go up 0-100% for two cycles, and it will stop when the brightness is at maximum.
   If the time interval between two long presses for dimming is less than 1 second, the dimming direction (brighter of darker) will be reversed.
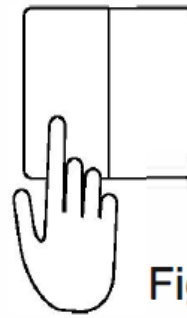   - Please note that the dimming range of the controller is slightly shorter when manually operated by the switch compared to the APP dimming range. The dimming range varies for LED lamps as there are

different LED dimmable driver solutions.

Fig.1 — Press for 3 seconds to enter pairing mode

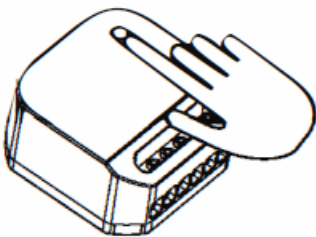Fig.2 — Press the wireless Quinetic switch once

4. If you need to add more switches to the same controller please repeat the above process; each controller can store up to 1 O switches, pairing information.

5. Single, dual and triple gang switches follow the same method.

6. The range of a switch may be extended by putting the controller in "Bridging Mode". In order to put the controller in bridging mode press the function button for 7 seconds until the red LED light changes from slow to fast flashing and release the button. The red LED will start flashing once every 2 seconds to indicate the successful bridging.

7. To disable the bridge mode, repeat the above steps.

8. If the controller indicator light continues to pulse the controller will still function normally even if used with a wireless switch.

Clear Pairing Information:
App Method

Enter the App page, click "Pairing" -> "Clear Pairing", and select the corresponding channel. After the clearing is completed, App will prompt "Clearing Successful".
Physical button Method
To remove the controller stored pairing information press function button for -12 seconds until the indicator light goes out – the pairing information will be cleared.

Press the button for ~12 seconds and the light will flash fast, then still and then it goes out.

Precautions:

1. The wiring must be done in accordance with the method of installation illustrated.

2. Please note the maximum load of an individual controller. Exceeding this maximum will result in damaging the controller.

3. Do not short-circuit, it will cause permanent damage to the

4. The controller will remain "OFF" after a power cut, saving energy, reducing fire risk and protecting your appliances.

5. Damage caused by incorrect installation and operation are not covered under warranty.

Troubleshooting

1. If pairing does not work first check if the indicator is lit. Re-pair in case the pair is lost after power failure.
2. If the receiver does not respond check the LED indicator. If this does not light check the power supply.

Pairing with the APP in AP Mode
The default configuration mode of the receiver is EZ mode (the light flashes quickly, twice per second). When pairing is not successful in EZ mode, you can enter the AP mode.
The steps to switch to AP mode are as follows:

1. Press the button for 10 seconds in EZ mode, then release the button after the light is still, and it can switch to "AP mode"
2. In AP mode the light will flash slowly, turning off once every two seconds.
3. To switch from AP mode back to EZ mode, press the button for 10 seconds. The indicator light will flash quickly then still. When the light is still release the button.

   Once the AP mode is activated open the "My Home" page of the Kinetic Switch App, and click "+" on the upper right of the page. Click "Light Control", select "WiFi Triac Dimmer (RF+WiFi)" and enter the WiFi account password. On the next page tap "EZ Mode" on the upper right corner and and select "AP Mode" from the drop down list. Follow the APP instructions to pair and operate the receiver.

Documents / Resources

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