

GEYER



USER MANUAL

LED Strip Controller Kit
5 in 1 with wireless switch, WiFi & RF

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Product Description

The Wireless Kinetic Switch is a push button style kinetic energy switch that uses micro energy acquisition technology without battery. It can be paired with Smart LED Strip Controller, 5 in 1 that supports Wi-Fi 2.4GHz and RF 433MHz, which can also be controlled by GEY-ER Smart app. Voice control is available too, through smart speakers, like Google Assistant & Amazon Alexa. The controller is a 5 channel constant voltage LED controller supporting independent control of Red, Green, Blue, Cool White, and Warm White channels. Designed for smart lighting applications, enabling flexible and customizable lighting control.

Specifications

Wireless Kinetic Switch

Power Supply: Self-powered

Working Temperature: -20°C~55°C

Control distance: 80m (outdoor), 25m (indoor)

Frequency: RF 433MHz

Dimensions: L86 x W86 x H17mm

IP Rating: IP20

Specifications

Smart LED Strip Controller, 5 in 1

Control Modes: RGB / RGBW / RGBWC / CCT / Single-Color LED strips

Input: 12-48V DC

Output: Constant Voltage PWM Dimming

Output Power: Max 120W (DC 12V), 240W (DC 24V), 480W (DC 48V)

Communications Rate: 100Kbps

Working Temperature: -20°C ~ 55°C

Storage capacity: Up to 10 wireless kinetic switches

Distance: 80m (outdoor), 25m (indoor)

Frequency: RF 433MHz & WiFi 2.4GHz

Dimensions: L52 x W52 x H23mm

Note: the effective distance is measured by environmental condition will affect the actual data of use.

Installation Method

Check Power Supply and Load

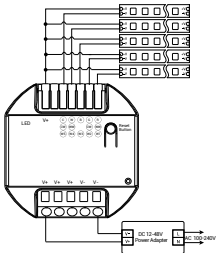
1. Ensure the connected LED strips or fixtures are constant voltage type (DC12-48V).
2. Verify that the power supply voltage matches the controller's input voltage.
3. Calculate the total load power to ensure it does not exceed the controller's maximum output capacity.

Wiring Steps

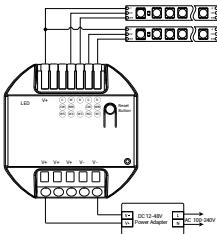
1. Connect the power supply positive and negative to the controller input terminals (V+ / V-).
2. Connect LED strips or fixtures to the output terminals according to channel marks (R/G/B/CW/WW).
3. Ensure all connections are secure to prevent short circuits or loose contacts.

Wiring Method

For Dimming mode

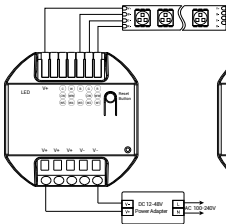


For CCT mode

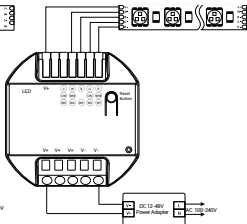


Wiring Method

For RGB mode

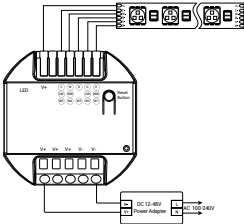


For RGBW mode



Wiring Method

For RGBWC mode



Network Configuration

1. Search for “GEYER Smart” in the APP store or scan the following QR code to install the GEYER Smart APP, and follow the APP’s prompts to register an account and then log in.
2. On first power-on, the device automatically enters network configuration state, with the LED flashing rapidly. If the LED does not flash rapidly, press and hold the pairing button for 10 seconds. The LED will slow flashing-fast flashing-steady light. Release the button when it becomes steady; the LED will flash rapidly again, indicating that the device enters network configuration state.
3. Open the GEYER Smart app, tap the “+” icon in the upper-right corner, then tap “Add Device” to proceed with adding.



Note: After the device is successfully added, the added device will be displayed on the home page of the APP. You can enter the device interface to perform operations related to the device, such as switching control, pairing, clearing pairing, dimming, and scene settings.

Using Amazon Alexa / Google Home to control Controller

Note: We recommend that when naming devices in the GEYER Smart APP, choose names that are easy for Alexa or Google Home to understand. To integrate the GEYER Smart APP with Amazon Alexa/ Google Home, you need:

1. Amazon Alexa APP / Google Home APP.
2. Amazon Alexa / Google Home account (users need to register their own account).
3. Echo, Echo Dot or other Amazon voice-operated devices.
4. Google Home, Google Home Mini or other Google voiceoperated devices.

Enable Smart Life skill/action in 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 Smart Life APP to link it with Alexa / Google APP. Voice control can be used now to control the device such as: "Alexa/Ok Google, turn on/off [kitchen light]

Pairing Switch Method

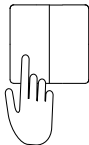
Hold the Pairing Button for 3 seconds. The indicator light will enter a slow flashing state (flashing once every second), indicating that the controller is in the pairing state.
At this time, press the wireless kinetic switch button that needs to be paired.

Pair with wireless switches:

For 1-button: press any button once

For 2-button: press any button twice

For 4-button: press any button 4 times



Pairing Switch Method

* Pairing Instructions

Each switch must be paired according to its number of buttons. Identify the switch type during pairing. If functions are mistakenly paired, please re-pair.

When using one switch to control multiple controllers:

1-button switch mode – Any switch type can be paired as 1-button. Press the target button once. After successful pairing, that button controls only on/off and dimming.

2-button switch mode – Only 2/4-button switches support this. Press the target button twice. After successful pairing, the 2 buttons act as a paired group (2-button switch).

1	1
1	1

1-button mode

1	1
2	2

2-button mode

1	3
2	4

4-button mode

Button Function

Dimming Mode



1-button mode



2-button mode



4-button mode

1CCT Mode



1-button mode



2-button mode



4-button mode

RGB Mode



1-button mode



2-button mode



4-button mode

Button Function

RGBW Mode



1-button mode



2-button mode



4-button mode

RGBWC Mode



1-button mode



2-button mode



4-button mode

Button Function

Icon	Function	Icon	Function
	Turn on/off		CCT tuning
	Turn on		Cool White tuning
	Turn off		Warm white tuning
	Dimming		RGB tuning
	Brightness up		Turn on the scene
	Brightness down		White tuning

If a button has two icons, the left icon = short press,
the right icon = long press.

If a button has only 1 icon, both short and long presses work.

If a button has two mode icon, double press to switch mode,
and long press to adjust RGB, CCT or White.

Scene Function

Long press – saves the current state as a scene.

Short press – turn on the saved scene.

Clear Switch Pairing Information

Hold the Pairing Button on the controller for about 12 seconds. The indicator light will flash - stay on - go out. Release after it goes out. All kinetic switch information paired with this controller will be cleared. If you need to re-pair, refer to the previous "Pairing Method".



Reset Device

APP Method

Click "details" in App interface, remove device, the indicator light fast flash, and the controller will clear network successfully.

Reset Device

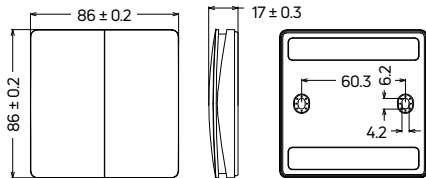
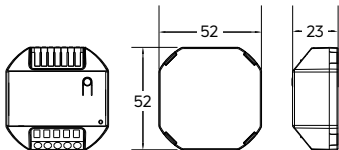
Physical Button Method

Press pairing button for 10 seconds, the indicator light slow flash - fast flash - always on then release, indicator light will change to fast flash, and the controller will clear network successfully. At this time, the indicator light will enter a fast flashing state.

Bridge Mode

Hold Pairing Button on the controller for 7 seconds. The indicator light will change from slow flashing to fast flashing (twice per second). Release when it is fast flashing, the controller will enter bridge mode. At this time, the indicator light will change from fast flashing to slow flashing(once every 2 second).After pressing the paired wireless kinetic switch button, the controller will bridge the wireless switch signal, extending the communication distance. If you need to exit the bridge mode of the controller, hold the Pairing Button for 7seconds. Release when it is fast flashing, the controller will exit bridge mode. At this time, the indicator light will change from flashing to off.

Dimensions (mm)



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GEYER
Smart



works with
Google Home



WORKS WITH
**amazon
alexa**



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