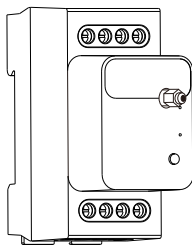# Videosec®

KRC2107-W
Roller Shutter Controller

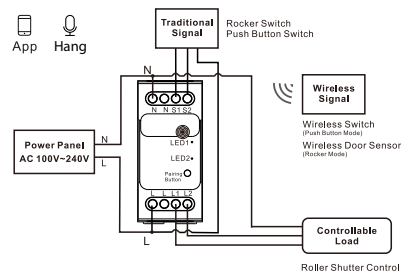## User Guide

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Introduction

The rail roller shutter actuator supporting Wi-Fi 2.4Ghz and RF 433Mhz, Which can be controller by Tuya App and wireless kinetic switch, voice control is available too through smatr speakers, like Google Assistant, Amazon Alexa.

Product Parameters

Product Model: KRC2107-W
Power Supply: AC 100-240V 50/60Hz
Input : 2 input for existing wired switch
Max Load: 16A (2 way)
Operating Range: 80m(outdoor) 25m(indoor)
Operating Temperature: -20℃~+55℃
Storage Capacity: Up to 10 kinetic transmitters
Dimensions: L36*W77*H67mm
Standby Power Consumption: ≤1W
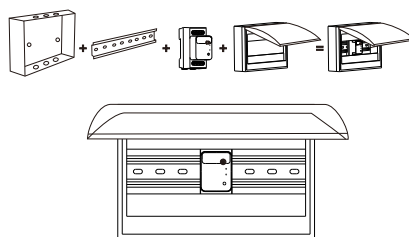RF Receive Sensitivity: -110dBm
IP Rating: IP20

Notice:The effective distance is measured by laboratory. In the actual use, it will vary due to environment changes.

Connection Method

L: Input Terminal for Live
N: Input Terminal for Neutral
L1/L2: Output Terminal for Controllable Load
S1/S1: Input Terminal for Wire Switch

Installation

Tuya App Download

The free Tuya App is required to operate your Wi-Fi 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 " **Tuya** " in the App store or Google Play.
3. Download the Tuya App to your phone.

iOS APP **App Store**   ANDROID APP **Google play**

Method 2:

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

Android   iOS

Device Pairing with the APP:

The initial setup must be performed using your 2.4Ghz Wi-Fi network (5Ghz Wi-Fi 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 10 seconds - the light will change from slow flashing to fast flashing to still.Release the button.

3. Open the "My Home" page of the Tuya App, and click "+" on the upper right of the page.

4. Click „Light control, select "Roller Shutter Controller (RF+Wi-Fi)", follow the instruction to operate it.

5. After successfully adding the receiver to the APP you can find the device in the "My Home" list. Curtain 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 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:

1) Amazon Alexa APP / Google Home APP
2) Amazon Alexa / Google Home account (users need to register their own account)
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 beused now to control the Wifi device such as: "Alexa/Ok Google, open/close Curtain "

Wi-Fi Controller Switch Pairing Method

a controller can be operated by a maximum of 10 separate switches, a switch can pair an unlimited number of controllers.

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 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

Fast press the wire switches repeatedly for 5 times within in 2 seconds, since the power (for receiver) is on. It indicators the pairing mode is activated. Press any key of the wireless kinetic switch to get paired. If the receiver is powered on for more than 2 minutes, wired switch cannot enter pairing mode.

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.

2. Press the wireless kinetic energy switch and the indicator light of the controller will go out, which means that the pairing is successful.

1.Press around 3 seconds, and the indicator light flashes slowly   2.Press the kinetic switch once

(2) Directional Paring

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 switch that needs to be paired 4 times(within 1 seconds). This will complete the pairing. The App will prompt "Pairing succeeded" after the pairing is completed.

Traditional Hardwired Switch Method

Fast press the wire switches repeatedly for 5 times within in 2 seconds, since the power (for receiver) is on. It indicators the pairing mode is activated. Press any key of the wireless kinetic switch 4 times (within 1 second) to get paired. If the receiver is powered on for more than 2 minutes, wired switch cannot enter pairing mode.

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.
2. Press the wireless kinetic energy switch 4 times (within 1 seconds) and the indicator light of the controller will go out, which means that the pairing is successful.

1.Press around 3 seconds, and the indicator light flashes slowly   2.Press the kinetic switch 4 times

If you need to add more switches to the same controller please repeat the above process; each controller can store up to 10 switches ,pairing in formation.

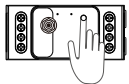Single, dual and triple gang switches follow the same method.

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.

Bridge mode

Turn on the bridge mode to expand the control distance: Press and hold function button for 7 seconds and indicator will fast flash and release the button, after couple of seconds, the indicator will flash 1 time every 2 seconds, which means the bridge mode is activated. If you need to deactivate this mode, do the above steps again.

Remove pairing

APP Method
Enter the device interface in the APP and click ✎ on the right corner ,select "Remove device" and then "Disconnect and wipe data", device will be removed.

Physical button Method
Hold the function button of controller for about 12 seconds. The indicator light will go off with the procedure: flash-still on-off. Release finger to get controller remove. Now the indicator enters to fast flash state.

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"

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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 "Curtain Control", select " Roller Shutter Controller (RF+Wi-Fi)" and enter the Wi-Fi account password.
On the next page tap "EZ Mode" on the upper right corner and select "AP Mode" from the drop down list.
Follow the APP instructions to pair and operate the receiver.

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.
3. Do not short-citcuit, it will cause permanent damage to the receiver controller.
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-pait 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.

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