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DieseRC CurtainWIFI*5+KT204S

DieseRC RF Remote Control and Smart Roller Shutter Controller Module User Manual

Model: **CurtainWIFI*5+KT204S**

Brand: **DieseRC**

1. INTRODUCTION

Thank you for choosing the DieseRC RF Remote Control and Wireless Smart Roller Shutter Controller Module. This product is designed to provide convenient, energy-saving, and efficient control over your roller shutters, blinds, or other compatible devices. With both RF remote control and Wi-Fi connectivity, it offers versatile control options, including compatibility with Google Home and Alexa for voice commands, and APP control via Tuya and Smart Life applications.

This manual provides detailed instructions for installation, operation, and troubleshooting to ensure optimal performance and a seamless smart home experience.

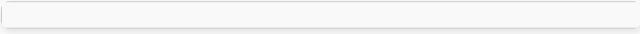


Image: Overview of the DieseRC Relay Remote Control Switch system, highlighting RF, Wi-Fi, and Zigbee compatibility for various applications like lighting and garage doors.

2. SAFETY INFORMATION

Please read all safety warnings and instructions carefully before installing and operating this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Electrical Safety:** Installation should only be performed by a qualified electrician or in accordance with local electrical codes. Ensure power is disconnected before any wiring.
- **Indoor Use Only:** This device is intended for indoor use in dry locations. Do not expose to water or high humidity.
- **Keep Out of Reach of Children:** Small components and batteries can be a choking hazard.
- **Battery Disposal:** Dispose of used batteries according to local regulations. Do not incinerate or mutilate batteries.
- **Compatibility:** Ensure the connected motor or device is compatible with the module's specifications (e.g., voltage, current rating).

3. PRODUCT COMPONENTS

The package typically includes the following components:

- Wireless Smart Roller Shutter Controller Module (Wi-Fi enabled)
- RF Remote Control (1-channel transmitter)
- User Manual

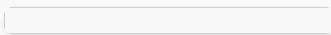


Image: Front view of the DieseRC RF Remote Control with Up, Down, and Stop buttons.

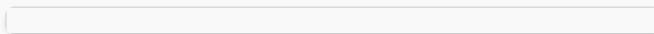


Image: The DieseRC Wireless Smart Roller Shutter Controller Module, showing its compact design and application in a smart home environment.

4. SETUP AND INSTALLATION

Before beginning installation, ensure the main power supply to the circuit is turned off at the breaker. This device is designed for integration with existing roller shutter motors.

4.1 Wiring Diagram

Connect the controller module according to the following general wiring diagram. Specific motor wiring may vary, consult your motor's manual if unsure.

- **Input:** Connect Live (L) and Neutral (N) from your main power supply to the module's input terminals.
- **Output:** Connect the motor's Up, Down, and Common wires to the corresponding output terminals on the module.

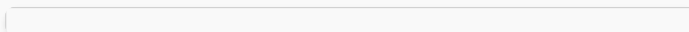


Image: Illustrative wiring diagram showing the connection of the controller module to a roller shutter motor and power supply.

4.2 Pairing the RF Remote Control

To pair the RF remote control with the module:

1. Ensure the module is powered on.
2. Press and hold the pairing button on the module (refer to module for exact location, usually a small button or switch) until an indicator light flashes.
3. While the indicator light is flashing, press any button on the RF remote control you wish to pair.
4. The indicator light on the module should stop flashing or change color, indicating successful pairing.

4.3 Connecting to Wi-Fi and Smart APP

The module supports Wi-Fi connectivity for control via smartphone apps (Tuya Smart or Smart Life) and voice assistants.

1. Download the "Tuya Smart" or "Smart Life" app from your smartphone's app store.
2. Register or log in to your account.
3. Ensure your phone is connected to a 2.4GHz Wi-Fi network (5GHz networks are not supported).
4. In the app, tap "+" to add a new device. Select "Curtain Switch" or "Shutter Switch" from the device

list.

5. Follow the in-app instructions to put the module into pairing mode (usually by pressing and holding the Wi-Fi button on the module until the indicator light blinks rapidly).
6. Enter your Wi-Fi network password in the app and confirm.
7. Once connected, you can rename the device and control it via the app.

5. OPERATING INSTRUCTIONS

5.1 Using the RF Remote Control

The RF remote control provides direct control over your roller shutters.

- **Up Button** (◀▶): Press to open the roller shutter.
- **Down Button** (▶▶): Press to close the roller shutter.
- **Stop Button** (■): Press to stop the roller shutter at any position.

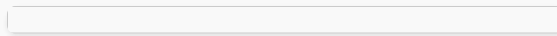


Image: Close-up view of the RF Remote Control, showing the distinct Up, Down, and Stop buttons for intuitive operation.

5.2 Using the Smart APP (Tuya Smart/Smart Life)

Once connected to the app, you can control your roller shutters from anywhere with an internet connection.

- **Open/Close:** Use the virtual buttons in the app to open, close, or stop the roller shutter.
- **Percentage Control:** Some apps allow setting the shutter to a specific open/closed percentage.
- **Scheduling:** Set schedules for automatic opening and closing at specific times.
- **Scene Creation:** Integrate the module into smart scenes with other smart devices.

5.3 Voice Control (Google Home/Alexa)

After linking your Tuya Smart/Smart Life account to Google Home or Amazon Alexa, you can use voice commands.

- "Hey Google, open [device name]."
- "Alexa, close [device name]."
- "Hey Google, stop [device name]."
- "Alexa, set [device name] to 50%."

6. MAINTENANCE

The DieseRC controller module requires minimal maintenance.

- **Cleaning:** Wipe the module and remote control with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement (Remote):** If the remote control's range decreases or it becomes unresponsive, replace its battery (typically a coin cell battery like CR2032). Refer to the remote's casing for battery type and replacement instructions.
- **Firmware Updates:** Periodically check the Tuya Smart/Smart Life app for available firmware updates for the module to ensure optimal performance and security.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Module not responding to RF remote.	Remote battery low/dead; remote not paired; module power issue.	Replace remote battery; re-pair the remote (Section 4.2); check module power supply.
Module not connecting to Wi-Fi.	Incorrect Wi-Fi password; 5GHz network used; module too far from router; network congestion.	Ensure correct 2.4GHz Wi-Fi; move module closer to router; restart router; try pairing again (Section 4.3).
Roller shutter not moving or moving incorrectly.	Incorrect wiring; motor issue; module malfunction.	Verify wiring (Section 4.1); check motor functionality independently; contact support if module is suspected faulty.
Voice control not working.	App account not linked to voice assistant; incorrect device name; internet connectivity issue.	Ensure Tuya/Smart Life account is linked in Google Home/Alexa app; use exact device name; check internet connection.

8. SPECIFICATIONS

Feature	Detail
Model Number	CurtainWIFI*5+KT204S
Product Dimensions	1.77 x 1.77 x 0.63 inches (Module)
Weight	1.41 ounces (Module)
Current Rating	10 Amps
Material	Copper (Internal Components)
Controller Type	Push Button (on remote/module)
Wireless Connectivity	Wi-Fi (2.4GHz), RF 433MHz
App Compatibility	Tuya Smart, Smart Life
Voice Assistant Compatibility	Google Home, Amazon Alexa
Manufacturer	DieseRC

9. WARRANTY AND SUPPORT

DieseRC products are manufactured with high quality standards. For warranty information and technical support, please refer to the contact details provided with your product packaging or visit the official DieseRC website.

Manufacturer/Importer: Huizhou Wenqiao Electronic Technology Co., Ltd.

Service Email: diseelectronic@163.com



Image: Manufacturer and importer contact details, including address and service email.

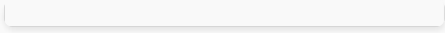


Image: Contact information for UK and EC authorized representatives.

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