

QIACHIP KR2201-4

QIACHIP 433 MHz Remote Control Relay Switch User Manual

Model: KR2201-4

1. PRODUCT OVERVIEW

The QIACHIP 433 MHz Remote Control Relay Switch is a versatile wireless control system designed for various applications in homes, farms, factories, offices, and laboratories. It features high reception sensitivity and strong anti-interference capabilities, allowing for control up to 50 meters in open areas, even through walls, floors, and doors. This single-channel receiver can store up to 15 portable transmitters and supports three operating modes: Momentary, Toggle, and Latching, providing flexible control options for connected devices such as lights, ventilation systems, and other electrical appliances.



Image 1.1: The QIACHIP 433 MHz remote control relay switch receiver module and its accompanying remote control transmitter.

2. SPECIFICATIONS

Feature	Detail
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Model Number	KR2201-4
Operating Voltage	AC 85V-250V
Frequency	433 MHz
Max Current	10A
Remote Control Range	Up to 50 meters (open area)
Receiver Dimensions	70 x 38 x 21 mm
Remote Control Battery	2 x CR2 (included), Lithium Manganese Dioxide
Contact Material	Silver Alloy
Operating Mode	Automatic
Certifications	CCC, CE, RoHS

3. SETUP AND INSTALLATION

The receiver is designed for easy installation and can be hidden due to its compact size. It is compatible with AC 85V-250V power sources, including common 110V, 220V, 230V, and 240V systems.

3.1 Wiring Diagram

Connect the receiver according to the following diagram. Ensure power is disconnected before wiring to prevent electrical shock.

100 m RF Remote Range

Strong RF signal works through walls/ doors/ windows



PRODUCT DETAIL

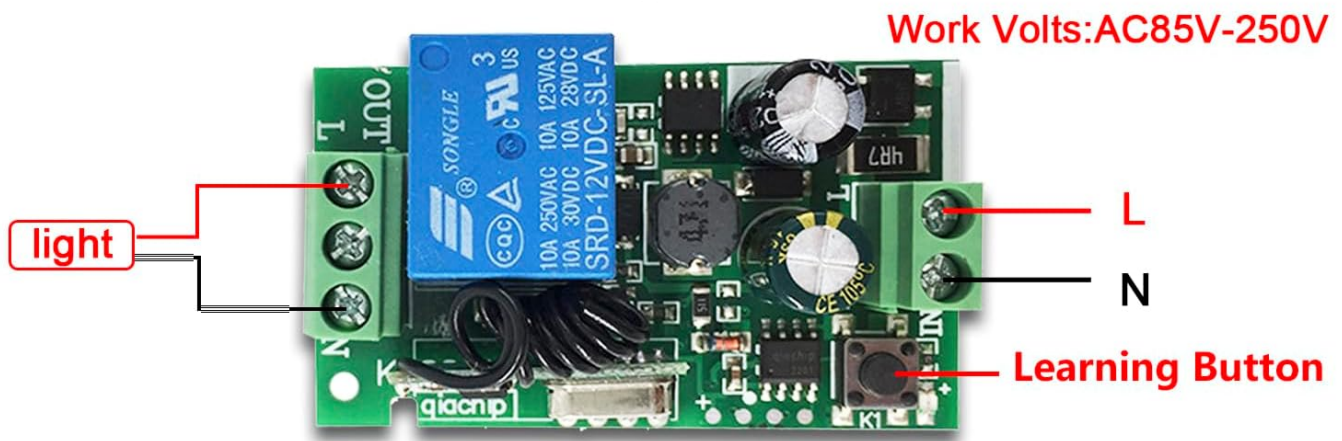


Image 3.1: Detailed wiring diagram for the receiver module, showing connections for Live (L), Neutral (N), and Output (OUT) to a light fixture. The learning button is also indicated.

- Connect the Live (L) wire from your power source to the 'L' terminal on the receiver.
- Connect the Neutral (N) wire from your power source to the 'N' terminal on the receiver.
- Connect the device you wish to control (e.g., a light) to the 'OUT' terminals. One wire of the device connects to one 'OUT' terminal, and the other wire connects to the other 'OUT' terminal.
- Ensure all connections are secure.

3.2 Pairing the Remote Control (Learning Modes)

The receiver supports three operating modes. The LED indicator on the switch control must be lit to set the operating mode. It is recommended to perform a reset before programming new modes.

3.2.1 Reset Settings

To clear all previously stored remote control data from the receiver's memory:

1. Press the receiver's learning button eight times.
2. The receiver's LED will flash, indicating that the reset function is complete and all remote data has been cleared.

3.2.2 Set Momentary Mode (Hold to ON, Release to OFF)

In this mode, the device remains on only as long as the remote button is pressed. Releasing the button turns the device off.

1. Click the "Settings" (learning) button on the receiver once.
2. Wait for the LED on the receiver to light up, indicating it has entered the setting status.
3. Press the desired button on the remote control once (e.g., Button A).
4. When the indicator light on the receiver flashes and goes out, the momentary mode is successfully set.

3.2.3 Set Toggle Mode (Press ON, Press OFF)

In this mode, one press of the remote button turns the device on, and another press turns it off. This mode is suitable for controlling one receiver with one remote control button.

1. Click the "Settings" (learning) button on the receiver twice.
2. Wait for the LED on the receiver to light up, indicating it has entered the setting status.
3. Press the desired button on the remote control once (e.g., Button A).
4. When the indicator light on the receiver flashes and goes out, the toggle mode is successfully set.

3.2.4 Set Latching Mode (Button A for ON, Button B for OFF)

This mode requires at least two remote control buttons. One button turns the device on, and another button turns it off. This mode can also be used for one remote control to manage multiple receivers.

1. Click the "Settings" (learning) button on the receiver three times.
2. Wait for the LED on the receiver to light up, indicating it has entered the setting status.
3. Press the button on the remote control for "ON" once (e.g., Button A). The indicator light on the receiver will flash and light up again.
4. Then, press the button on the remote control for "OFF" once (e.g., Button B). The indicator light on the receiver will flash and go out. The latching mode is successfully set.

4. OPERATING THE DEVICE

Once the remote control is successfully paired with the receiver in your desired mode, you can operate your connected device wirelessly.

- **Momentary Mode:** Press and hold the paired remote button to turn on the device. Release the button to turn off the device.
- **Toggle Mode:** Press the paired remote button once to turn on the device. Press the same button again to turn off the device.
- **Latching Mode:** Press the designated "ON" button on the remote to turn on the device. Press the designated "OFF" button on the remote to turn off the device.

Convenient to Use

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Living room



Kitchen



Bedroom

Image 4.1: The remote control system can be conveniently used in various rooms such as the living room, kitchen, and bedroom to control connected devices.

Expand Your Lighting System Freely

No need to rewire and won't affect the existing lighting system

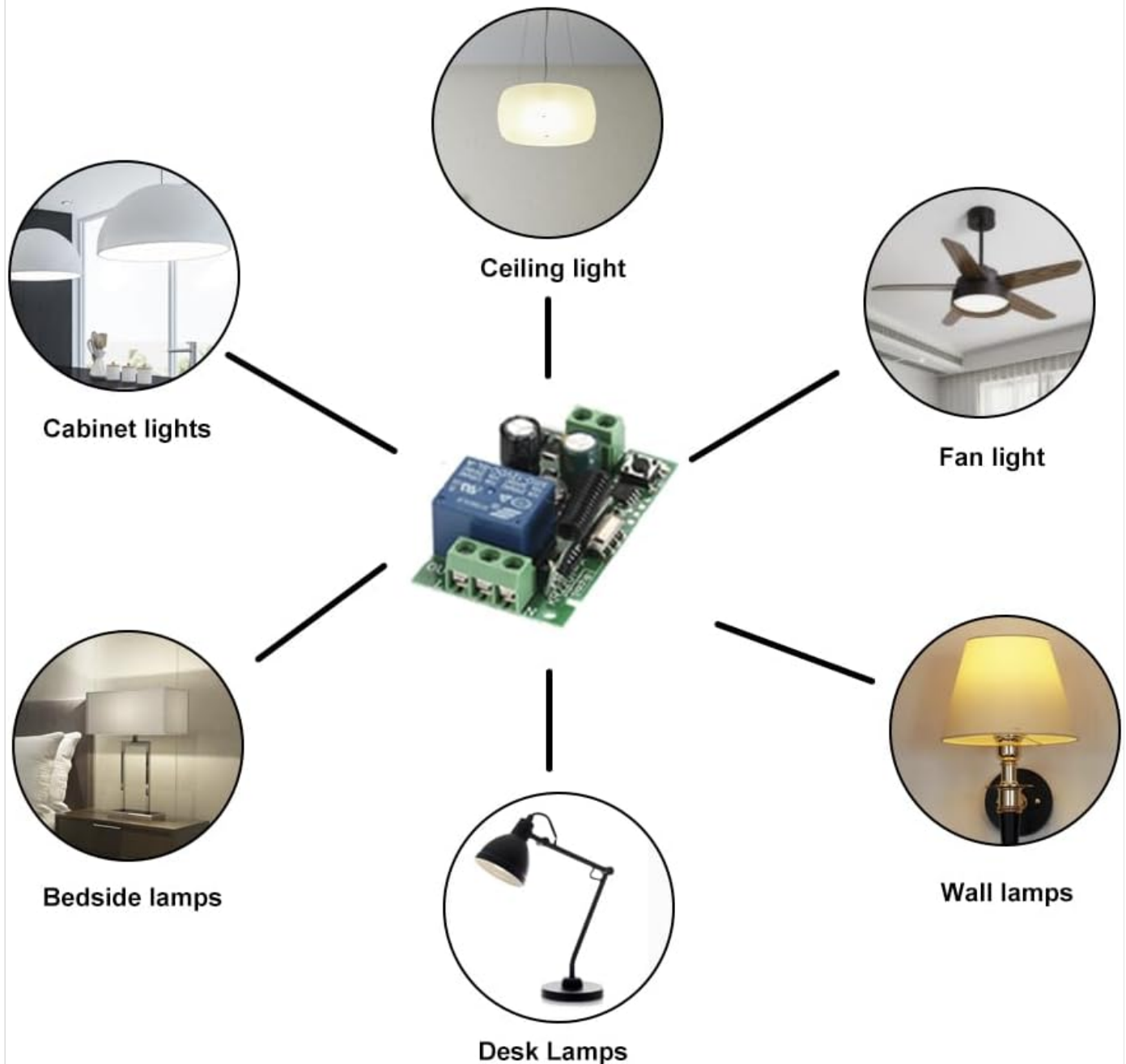


Image 4.2: The relay switch can be integrated into existing lighting systems without rewiring, controlling ceiling lights, cabinet lights, fan lights, wall lamps, bedside lamps, and desk lamps.

5. MAINTENANCE

5.1 Remote Control Battery Replacement

The remote control is powered by two CR2 Lithium Manganese Dioxide batteries. If the remote control's range decreases or it becomes unresponsive, the batteries may need replacement.



RF: 433Mhz

Code: EV1527

Size: 60*30mm

Image 5.1: Details of the remote control, including its silicone buttons, chrome bezel, metal keychain, and the CR2016 3V batteries required for operation.

1. Carefully disassemble the remote control casing.
2. Locate the battery compartment.
3. Remove the old CR2 batteries.
4. Insert new CR2 batteries, ensuring correct polarity.
5. Reassemble the remote control casing.

Dispose of old batteries responsibly according to local regulations.

6. TROUBLESHOOTING

- **Remote Control Not Responding:**

- Check if the remote control batteries need replacement (refer to Section 5.1).

- Ensure the receiver is powered on and its LED indicator is functioning.
- Try re-pairing the remote control with the receiver (refer to Section 3.2).

- **Device Not Turning On/Off:**

- Verify that the wiring connections to the receiver and the controlled device are secure (refer to Section 3.1).
- Confirm that the correct operating mode (Momentary, Toggle, Latching) is set for your intended use.
- If the remote control loses programming, perform a reset (Section 3.2.1) and re-pair.

- **Limited Remote Control Range:**

- Ensure there are no significant obstructions (thick walls, metal objects) between the remote and the receiver.
- While the system is designed to work through walls, extreme distances or multiple obstructions can reduce range.
- Replace remote control batteries if they are low.

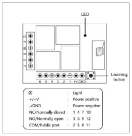
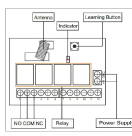
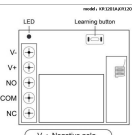
7. WARRANTY AND SUPPORT

For warranty information or technical support, please contact QIACHIP customer service through the retailer where you purchased the product or visit the official QIACHIP brand store for more details.

You can find more information and products from QIACHIP at their Amazon store: [QIACHIP Amazon Store](#).

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Related Documents - KR2201-4

	<p>QIACHIP 12V 4-Channel Wireless Receiver Instruction Manual and Technical Specifications</p> <p>Detailed instructions and technical specifications for the QIACHIP 12V 4-Channel Wireless Receiver, covering wiring diagrams, operating modes (Momentary, Toggle, Latching), and setup procedures for wireless remote control applications.</p>
	<p>QIACHIP KR1204B 12V 4-Channel Wireless Remote Control Receiver User Manual</p> <p>Comprehensive user manual for the QIACHIP KR1204B 12V 4-Channel Wireless Remote Control Receiver. Includes wiring diagrams, operating modes (Momentary, Toggle, Latching), setup instructions, and technical specifications.</p>
	<p>QIACHIP KR1201A/KR1201B 12V 1-Channel Receiver: Installation and Operation Guide</p> <p>Comprehensive guide for the QIACHIP KR1201A and KR1201B 12V 1-channel RF relay receiver module. Learn about wiring diagrams, operating modes (Momentary, Toggle, Latching, Delay), and setup procedures for various applications like controlling lights, door locks, and motors.</p>

<div><div>12V 四路 无线遥控开关 操作说明书</div><div>通用型号: KR1204B</div><div></div></div>	<p>QIACHIP KR1204B 12V 4-Channel Wireless Remote Control Switch User Manual</p> <p>User manual for the QIACHIP KR1204B 12V 4-channel wireless remote control receiver module. Includes wiring diagrams, operating modes (Momentary, Toggle, Latching), and technical specifications.</p>
<div><div>12V直流电机正反转控制器 操作说明书</div><div></div></div>	<p>QIACHIP 12V DC Motor Forward/Reverse Controller Operation Manual</p> <p>This manual provides instructions for operating the QIACHIP 12V DC Motor Forward/Reverse Controller, including wiring diagrams, function descriptions, setting methods for momentary, toggle, and latching modes, and technical specifications. It details how to pair remote controls and reset the device.</p>
<div><div>QIACHIP KR2402A DC6-30V 2CHANNEL RECEIVER INSTRUCTION MANUAL</div><div></div></div>	<p>QIACHIP KR2402A 2-Channel Receiver Instruction Manual</p> <p>Instruction manual for the QIACHIP KR2402A DC6-30V 2-Channel Receiver, detailing wiring diagrams, function descriptions, setting methods, and technical specifications.</p>

[\[pdf\]](#) User Manual

KR2201 4 Instruction Manual 65x85mm User manual QIACHIP 4433MHz Remote Control Switch
AC110V 220V 10A 1CH Relay Module Receiver Transmitters ON OFF For Led Lights
BulbS253c369904ce4c41898ba25050158d1ekae01 alicdn kf S253c369904ce4c41898ba25050158d1ek
4User 433433MHz BulbQIACHIP 433 MHz AC 110V 1 CH Wireless LED Light Lamp Controller 92
MHzScba8d9890355454cb4d74b59f98e344cQae01 S253c369904ce4c41898ba25050158d1ekae01
Scba8d9890355454cb4d74b59f98e344cQ BulbAC110V 433MHz Bulb QIACHIP
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MHzQIACHIP Wall Mhz RF Transmitter 12V 100V Smart Home Switches

QIACHIPSceb6ee7d8a7048b7a0db6d0b6877c8ebqSa28d0ce92a49450a98be8696a1edba66Hae01
Scba8d9890355454cb4d74b59f98e344cQae01 Sa28d0ce92a49450a98be8696a1edba66H ||| |||
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learning button 8 times, the receiver clears all remote con...

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