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› [DieseRC Wireless Remote Control Switch 433Mhz 110V 220V 240V 1 Channel Radio Control Relay Receiver with 1 Transmitter Keyfobs Potential-Free Contacts Relay Controller](#)

DieseRC RX26

DieseRC Wireless Remote Control Switch User Manual

Model: RX26 | Brand: DieseRC

1. PRODUCT OVERVIEW

The DieseRC Wireless Remote Control Switch is a versatile 433Mhz RF relay receiver designed for controlling various electrical devices. It offers stable and reliable performance with high reception sensitivity, allowing control within approximately 30 meters in open areas, even through walls and doors. This product is ideal for home automation, industrial control, and DIY projects.



Figure 1: DieselRC Wireless Remote Control Switch with receiver module and keyfob transmitter.

The system includes a relay receiver and a transmitter keyfob. The receiver features potential-free contacts (dry contacts) and operates on a wide voltage range of 100V to 250V AC. The high-quality 5A relay ensures durability with over 100,000 operations. One receiver can store up to 20 transmitters, and a single transmitter can control multiple receivers simultaneously. The secure EV1527 learning code technology enhances security.

2. PRODUCT DETAILS AND COMPONENTS

Familiarize yourself with the main components of the DieselRC relay receiver and remote control.

WIRING DIAGRAM

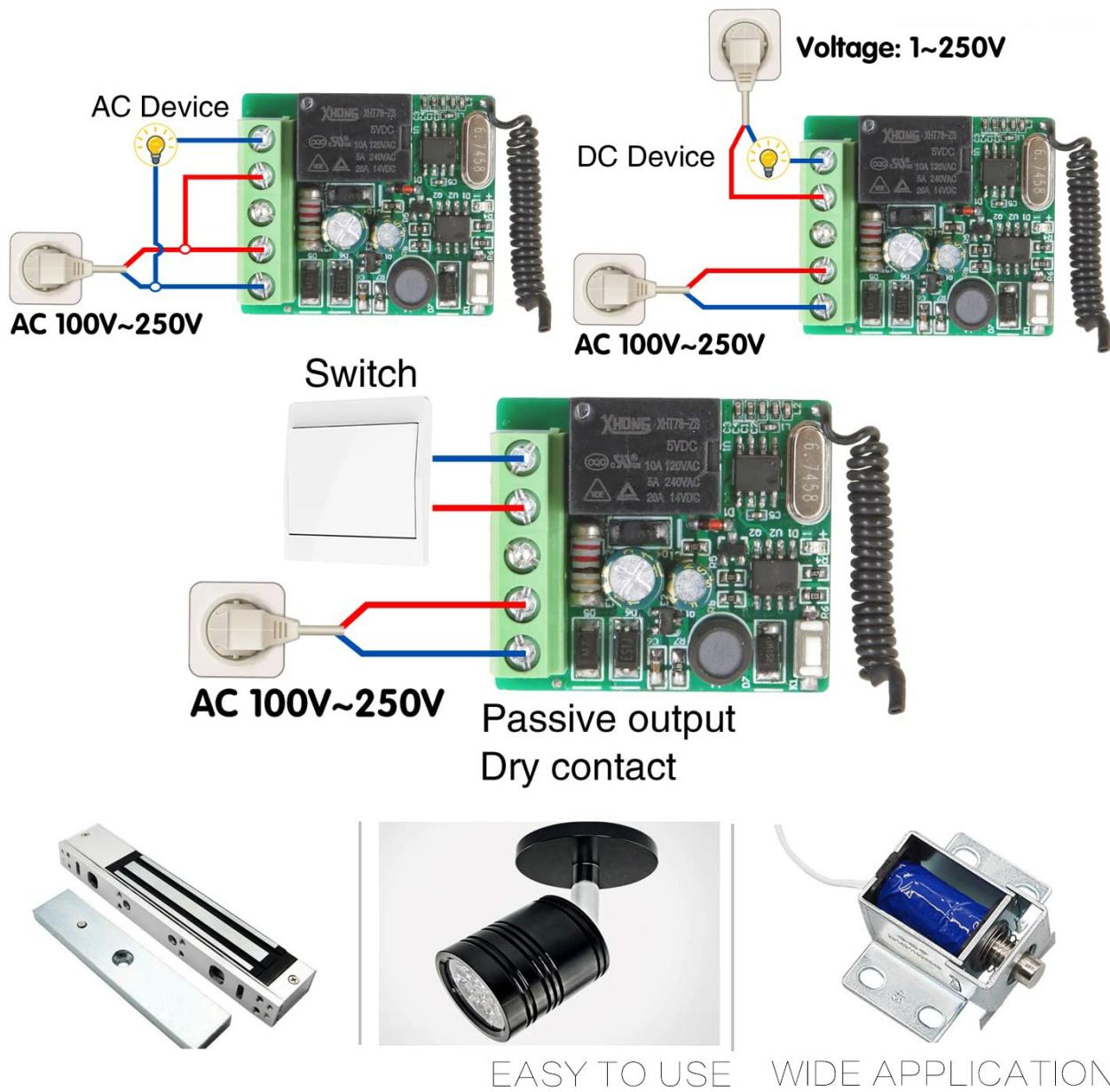


Figure 2: Labeled components of the DieselRC Relay Receiver Board.

- **NO (Normally Open Pin):** Contact is open when the relay is de-energized.
- **COM (Common Pin):** The common terminal for the relay contact.
- **NC (Normally Closed Pin):** Contact is closed when the relay is de-energized.
- **L & N:** Live and Neutral input terminals for power supply (AC 100V~250V).
- **Indicator Light:** Provides visual feedback on the receiver's status.
- **Antenna:** For receiving RF signals from the transmitter.
- **Learning Button:** Used for programming and resetting the receiver.

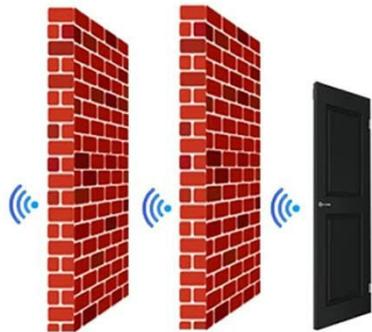
3. SETUP AND WIRING

Before connecting, ensure the power supply is disconnected. The receiver supports AC 100V~250V input. The relay provides potential-free (dry) contacts, meaning it acts as a switch without providing power to the connected device.

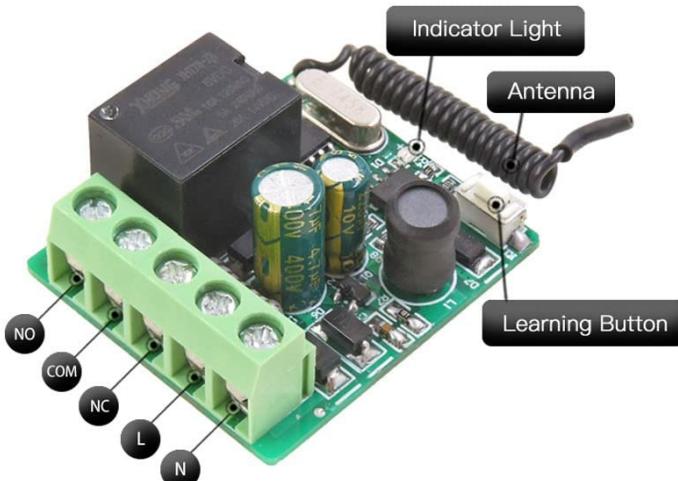
You will need to supply power to your device separately.

3.1 Wiring Diagrams

PRODUCT DETAIL



Relay Receiver Board
Work volts : AC 100V~250V



NO: Normally open pin

COM: Common pin

NC: Normally closed pin



Figure 3: Wiring diagrams for AC device, DC device, and passive output (dry contact).

- **AC Device Control:** Connect the AC power source to the L and N terminals of the receiver. Connect your AC device (e.g., lamp) to the NO and COM terminals.
- **DC Device Control:** Connect the AC power source to the L and N terminals of the receiver. Connect your DC device to the NO and COM terminals, ensuring the DC power supply is also connected to the device.
- **Passive Output (Dry Contact):** For applications requiring a simple switch closure, connect the device's control circuit to the NO and COM terminals. The receiver itself does not supply power through these contacts.



ELECTRIC FAN

WIDELY USED WIRELESS RF RELAY MODULE

Figure 4: Wiring for a Smart Garage Door Opener.

For garage door openers, the relay acts as a momentary switch. Connect the NO and COM terminals to the wall button/console terminals of your existing wired garage door opener. The receiver's L and N terminals should be connected to an AC 100-250V power source.

3.2 Initial Pairing and Reset

Before programming new modes, it is recommended to reset the receiver to clear any previous pairings.

- Reset:** Press the learning button on the receiver 8 times. The indicator light will flash rapidly, then turn off, indicating successful reset. All previously paired remote controls will no longer work.

Your browser does not support the video tag.

Video 1: How to program the remote control switch. This video demonstrates the reset and programming procedures for various modes.

4. OPERATING MODES AND PROGRAMMING

The DieseRC receiver supports four operating modes: Momentary, Toggle, Latched, and Delay. You can program the receiver to your desired mode by following the steps below.

How to get the signal --Set up

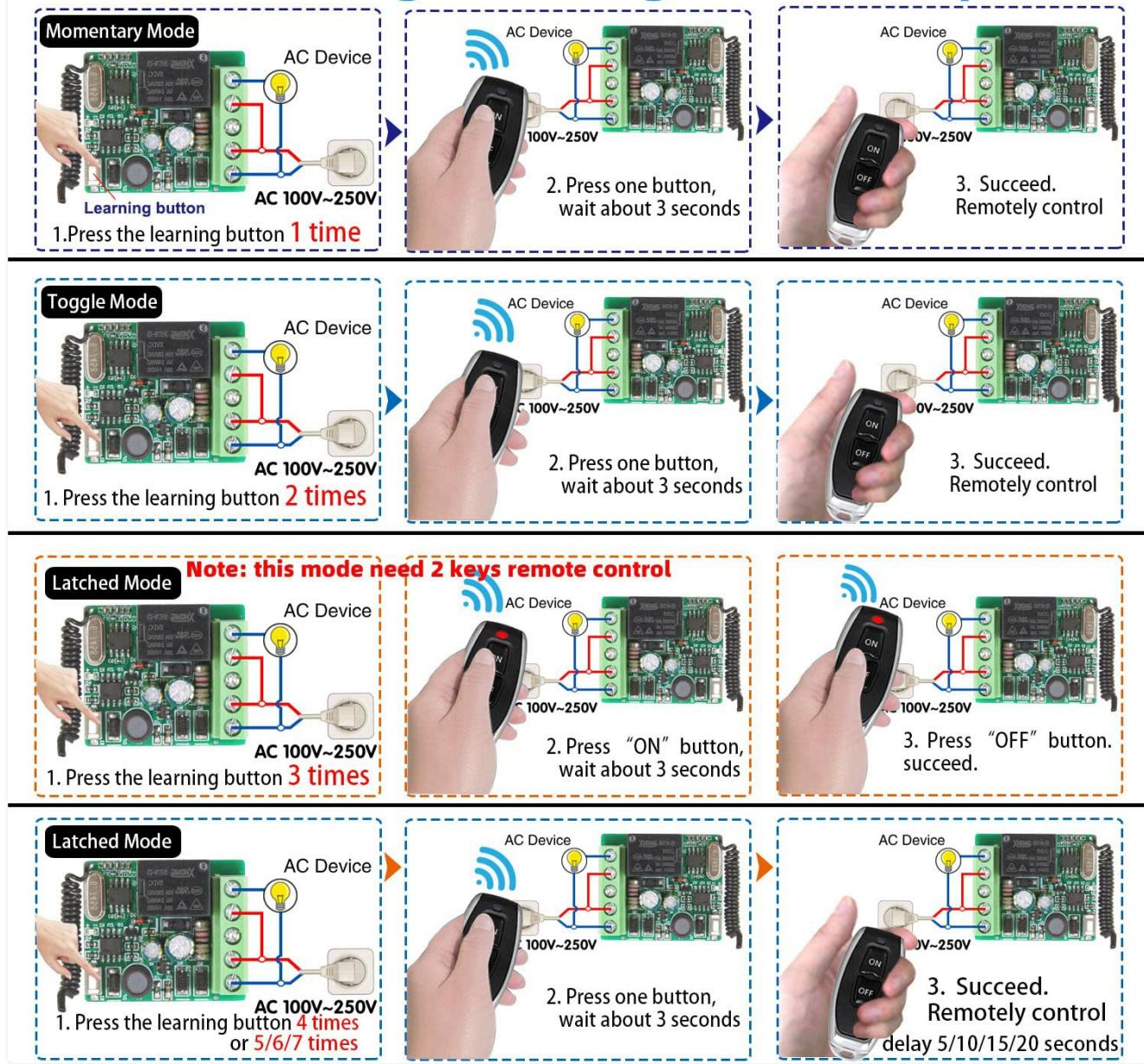


Figure 5: Visual representation of Momentary, Toggle, Latched, and Delay modes.

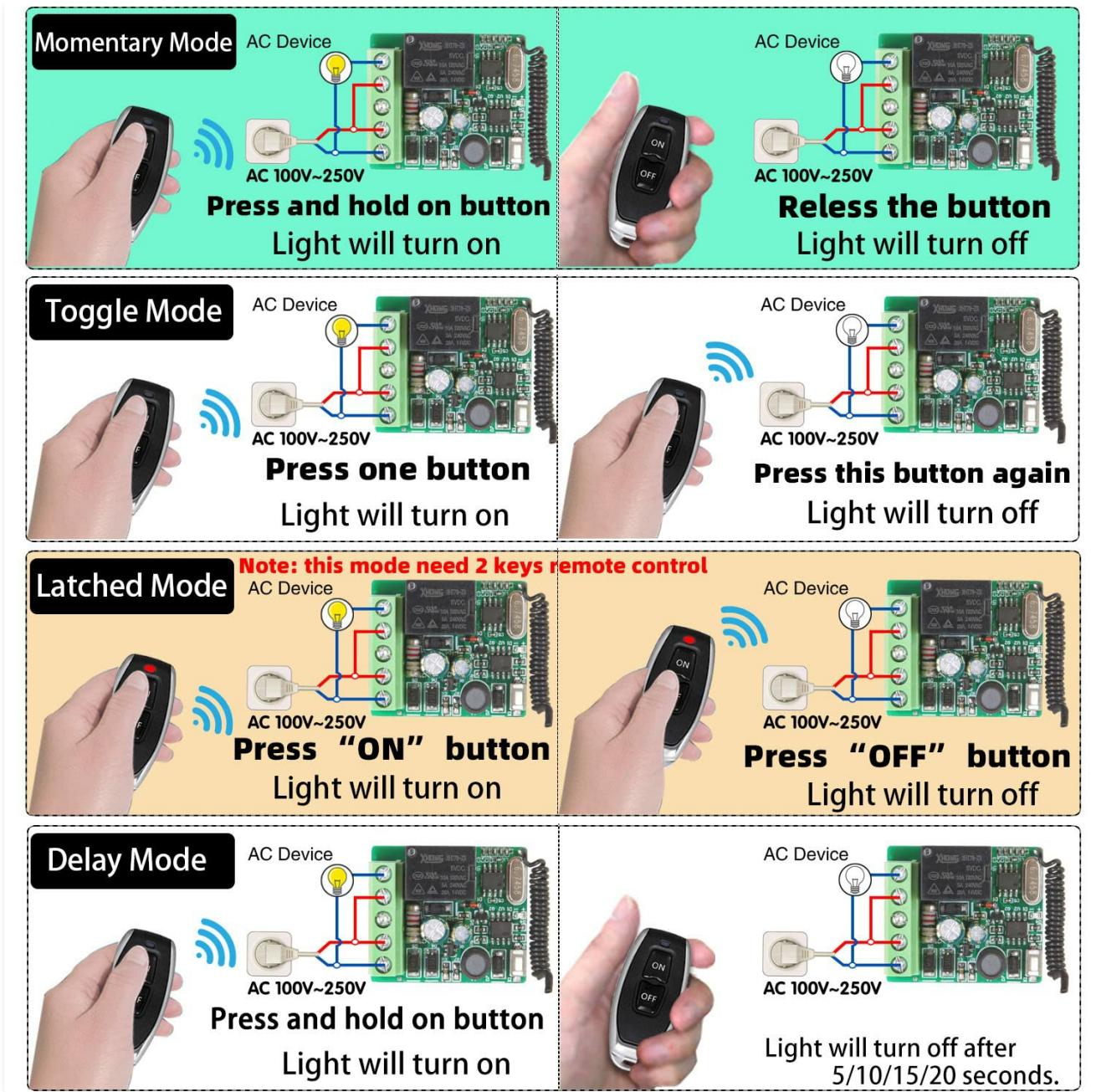


Figure 6: Programming steps for each operating mode.

4.1 Momentary Mode (Press and Hold)

In Momentary mode, the relay activates only while the remote button is pressed and held. It deactivates upon release.

1. Press the learning button on the receiver **1 time**. The indicator light will turn on.
2. Press any button on your remote control. The indicator light will flash, then turn off, indicating successful pairing.

4.2 Toggle Mode (Press On/Off)

In Toggle mode, pressing the remote button once activates the relay, and pressing it again deactivates it.

1. Press the learning button on the receiver **2 times**. The indicator light will turn on.
2. Press any button on your remote control. The indicator light will flash, then turn off, indicating successful pairing.

4.3 Latched Mode (Separate On/Off Buttons)

In Latched mode, one button on the remote activates the relay, and another button deactivates it. This mode requires a remote with at least two distinct buttons (e.g., ON and OFF).

1. Press the learning button on the receiver **3 times**. The indicator light will turn on.
2. Press the 'ON' button on your remote control. The indicator light will flash.
3. Press the 'OFF' button on your remote control. The indicator light will flash, then turn off, indicating successful pairing.

4.4 Delay Mode (Timed Off)

In Delay mode, the relay activates when the remote button is pressed and held, and automatically deactivates after a set time (5, 10, 15, or 20 seconds) upon release.

1. Press the learning button on the receiver **4, 5, 6, or 7 times** to set the delay time:
 - 4 times for 5-second delay
 - 5 times for 10-second delay
 - 6 times for 15-second delay
 - 7 times for 20-second delayThe indicator light will turn on after the last press.
2. Press any button on your remote control. The indicator light will flash, then turn off, indicating successful pairing.

Your browser does not support the video tag.

Video 2: Demonstration of various operating modes and their functionality.

5. APPLICATIONS

The DieseRC Wireless Remote Control Switch is highly versatile and can be used in a wide range of applications:

Wireless Remote Control

Press ON Key to turn on

Press OFF Key to turn off



Figure 7: Diverse applications of the wireless relay module.

- **Home Automation:** Control lights, fans, and other appliances remotely.
- **Garage Door Openers:** Integrate with existing wired garage door systems for remote access.
- **Electric Locks & Door Systems:** Provide remote control for access systems.
- **Ventilation Devices:** Remotely switch on/off exhaust fans or other ventilation units.
- **Water Pumps:** Control small water pumps for irrigation or other purposes.
- **Signal Transmission:** Use for various signal transmission applications.
- **DIY Projects:** A flexible component for custom remote control solutions.

6. MAINTENANCE

To ensure the longevity and optimal performance of your DieseRC Wireless Remote Control Switch, follow these maintenance guidelines:

- **Battery Replacement (Transmitter):** The transmitter keyfob uses 2 CR2016 batteries. To replace them, locate the screw port on the back of the transmitter, disassemble the casing, and replace the batteries. Ensure correct polarity.
- **Cleaning:** Use a soft, dry cloth to clean the receiver and transmitter. Do not use harsh chemicals or abrasive cleaners.
- **Environment:** Avoid exposing the devices to extreme temperatures, high humidity, or direct sunlight. Keep them away from strong electromagnetic fields.
- **Inspection:** Periodically check wiring connections to ensure they are secure and free from damage.

7. TROUBLESHOOTING

If you encounter issues with your DieselRC Wireless Remote Control Switch, try the following troubleshooting steps:

- **Remote Not Responding:**

- Check if the transmitter battery is depleted. Replace if necessary.
- Ensure the receiver is powered on and its indicator light is active.
- Verify that the remote is properly paired to the receiver in the correct operating mode (refer to Section 4). If unsure, perform a reset (Section 3.2) and re-program the desired mode.

- **Limited Range:**

- Ensure there are no significant obstructions (thick walls, metal structures) between the transmitter and receiver.
- Avoid placing the receiver near large metal objects or other devices that emit strong RF signals, which can cause interference.
- Check the receiver's antenna for any damage or obstruction.

- **Device Not Activating/Deactivating:**

- Confirm that the wiring connections to your device are correct and secure (refer to Section 3.1).
- Ensure the connected device is functioning correctly when directly powered or switched.
- Verify that the operating mode programmed is suitable for your application (e.g., Momentary for garage doors, Toggle for lights).

- **Indicator Light Not Functioning:**

- Check the power supply to the receiver.
- If the receiver is powered but the light is off and it's not responding, the unit may be faulty.

8. SPECIFICATIONS

Feature	Specification
Model Number	RX26

Feature	Specification
Operating Voltage	AC 100V~250V
Operating Frequency	433Mhz
Relay Type	Potential-Free Contacts (Dry Contacts)
Relay Current Rating	5A
Remote Control Battery	2 x CR2016 (included)
Learning Code	EV1527
Control Distance	Up to 30 meters (open area)
Country of Origin	China

9. WARRANTY AND SUPPORT

For any inquiries, technical support, or warranty claims, please contact the manufacturer/importer directly.

[NL] Waarschuwing

1. Lees de producthandleiding zorgvuldig door en gebruik het product op de juiste manier volgens de instructies; en bewaar ook de producthandleiding goed. Als u contact wilt opnemen met de verkooper, vindt u de contactgegevens in de producthandleiding.
 2. Breng de bedrading tot stand binnen de stroombesturingstatus; Als u kennis van circuits onvoldoende is, zal er om elektrische schokken te voorkomen, een elektricien worden ingehuurd om de bedrading aan te leggen;
 3. Sluit de draden correct aan volgens het schakelschema, verwissel de neutrale draad en de stroombereerde draad niet (of de positieve polariteit en negatieve polariteit). Overspanning, overstroom of onjuiste bediening kunnen schade veroorzaken;
 4. Draai de schroef vast wanneer u de draden in de terminal bevestigt. En zorg ervoor dat u elke draad van elkaar scheidt en elkaar niet aanraakt;
 5. Het product op een stabiele en droge plaats installeren. Stel het product niet bloot aan regen of vocht, anders kan er schade of een elektrische schok optreden (behalve product met waterdichte instructie);
 6. Voordat u de afstandsbediening of signaalontvanger gebruikt, hoeft u deze alleen maar te installeren volgens het bedradingsschema, aangezien ze vóór levering zijn gekoppeld. Als er geen koppling is, koppel dan de afstandsbediening met de signaalontvanger voordat u deze in gebruik neemt;
 7. Het product heeft meerdere bedieningsmodi. Reset de signaalontvanger voordat u de bedrijfsmodus wijzigt.
 8. Rek de antenne op de ontvanger iets uit voor een betere signaalontvangst;
 9. Buiten bereik van kinderen bewaren. Houd kleine onderdelen uit de buurt van kinderen om onbedoeld inslikken te voorkomen;
 10. Stel batterijen niet bloot aan water, vuur of vocht, anders kunnen ze ontploffen; de gebruikte batterijen moeten worden verpakt in een geïsoleerde plastic zak en op een milieuvriendelijke manier worden afgeweerd (als de product batterijen nodig heeft);

[SE] Varning

1. Läs produktmanuallen noggrant och använd produkten korrekt enligt instruktionerna; och förvara även produktmanuallen på rätt sätt. Om du vill kontakta säljaren, vänligen hitta kontaktinformationen på produktmanuallen;
 2. Gör ledningsanslutningen i strömbrottstillstånd;
 3. Om din kunskap om kretsar är bristfällig, för att förhindra elektriska stötar, ska en elektriker anlitas för att koppla;
 4. Anslut ledningarna korrekt enligt kretsschemat, vänd inte om den neutrala ledningen och den strömförande ledningen (eller den positiva polariteten och den negativa polariteten). Överspanning, överström eller felaktig användning kan orsaka skada;
 5. När du fäster kablarna i terminalen, dra åt skruven. Och var noga med att separera varje tråd och inte röra varandras;
 6. Installation av produkten på en stabil och torr plats. Utsätt inte produkten för regn eller fukt, annars kan skador eller elektriska stötar inträffa (Förutom de med vattenstöt instruktionerna);
 7. Innan du använder fjärrkontrollen eller signalmottagaren behöver du bara installera dem i enlighet med kopplingsschemat eftersom de har parats före leverans. Om ingen parat, vänligen para ihop fjärrkontrollen med signalmottagaren innan du tar dem i bruk;
 8. Produkten har flera driftlägen. Vänligen återställ signalmottagaren innan du ändrar driftläge;
 9. Dra ut antennen på mottagaren något för bättre signalmottagning;
 10. Förvaras utom räckhåll för barn. Håll små komponenter borta från barn för att förhindra oavsiktlig sväljning;
 11. Utsätt inte batterier för vatten, eld eller fukt, eftersom de annars kan explodera; de använda batterierna måste förpackas med en isolerad plastpåse och kasseras på ett miljövänligt sätt (om produkten kräver batterier).

[TR] Uyarı

1. Lütfen ürün kılavuzunu dikkatlice okuyun ve ürün talimatına göre doğru şekilde kullanın; ve ayrıca ürün kılavuzunu düzgün bir şekilde saklayın. Saticıyla iletişim geçmek istiyorsanız lütfen ürün kılavuzundaki iletişim bilgilerini bulun;
 2. Lütfen elektrik kesintisi durumunda kablo bağlantısını yapın;
 3. Devreler hakkındaki bilginiz eksiksiz, elektrik çarpmasını önlemek için kablolama için bir elektrikçi görevlendirebilirsiniz;
 4. Kablolamalı devre şemasına göre doğru şekilde bağlayın, nötr kablolu ve canlı kablolu (veya pozitif polariteyi ve negatif polariteyi) ters çevirmeyin. Aşın voltaj, aşın akım veya yanlış kalınlama hasarına neden olabilir.

[EN] Warning

1. Please read the product manual carefully and use the product correctly according to the instructions; and also keep the product manual properly. If you want to contact with seller, please find the contact information on the product manual;
 2. Please connect the wire with power outage state;
 3. If your knowledge of circuits is imperfect, to prevent electric shock, an electrician shall be employed according to the circuit diagram, do not reverse the neutral wire and live wire/Or the positive polarity and negative polarity). Over voltage, over current or incorrect operation may cause damage;
 4. When fixing the wires in the terminal, please tighten the screw. And be careful to separate each wire and not touch each other;
 5. Installing the product in a stable and dry place. Do not expose the product to rain or moisture, otherwise damage or electric shock may happen (Except for those with waterproof instructions);
 6. Before using the remote control or signal receiver, you need only to install them in accordance with the wiring diagram as they have been paired prior to delivery. If no paired, please pair the remote control with the signal receiver before putting it into use;
 7. The product has multiple operating modes. Please reset the signal receiver before adjusting the mode;
 8. Slightly stretch the antenna on the receiver for better signal reception;
 9. Keep beyond the reach of children: Keep small components away from children to prevent them from swallowing;
 10. Do not expose batteries to water, fire or moisture, otherwise it may explode; the used batteries must be packed with an insulated plastic bag and disposed of in an environment-friendly manner (If the product requires batteries);

[DE] Warnung

1. Bitte lesen Sie das Produkthandbuch sorgfältig durch und verwenden Sie das Produkt ordnungsgemäß gemäß den Anweisungen, und bewahren Sie auch das Produkthandbuch ordnungsgemäß auf. Wenn Sie mit dem Verkäufer Kontakt aufnehmen möchten, finden Sie die Kontaktinformationen im Produkthandbuch.
 2. Bitte schließen Sie das Kabel im Stromausfallzustand an.
 3. Wenn Sie über keine ausreichenden Kenntnisse über Schaltkreise verfügen, muss zur Vermeidung von Stromschlägen ein Elektriker mit der Verkabelung beauftragt werden.
 4. Schließen Sie die Drähte entsprechend dem Schaltplan korrekt an, vertauschen Sie nicht den Neutralleiter und den stromflührenden Draht (oder die positive Polarität und die negative Polarität). Überspannung, Überstrom oder falsche Bedienung können Schäden verursachen;
 5. Wenn Sie die Drähte in der Klemme befestigen, ziehen Sie bitte die Schraube fest. Und achten Sie darauf, die einzelnen Drähte zu trennen und sich nicht gegenseitig zu berühren;
 6. Installieren Sie das Produkt an einem stabilen und trockenen Ort. Setzen Sie das Produkt weder Regen noch Feuchtigkeit aus, da es sonst zu Schäden oder Stromschlägen kommen kann (außer bei Geräten mit wasserfesten Anweisungen);
 7. Bevor Sie die Fernbedienung oder den Signalempfänger verwenden, müssen Sie diese nur gemäß dem Schaltplan installieren, da sie vor der Lieferung gekoppelt wurden. Wenn keine Kopplung vorliegt, koppeln Sie bitte die Fernbedienung mit dem Signalempfänger, bevor Sie sie in Betrieb nehmen;
 8. Das Produkt verfügt über mehrere Betriebsmodi. Bitte setzen Sie den Signalempfänger zurück, bevor Sie den Betriebsmodus ändern;
 9. Dehnen Sie die Antenne am Empfänger leicht aus, um einen besseren Signalempfang zu erzielen;
 10. Außenhalb der Reichweite von Kindern aufzubewahren. Halten Sie Kleinteile von Kindern fern, um ein versehentliches Verschlucken zu verhindern;
 11. Setzen Sie Batterien keinem Wasser, Feuer oder Feuchtigkeit aus, da sie sonst explodieren können. Die verbrauchten Batterien müssen in einer isolierten Plastiktüte verpackt und auf umweltfreundliche Weise entsorgt werden (falls für das Produkt Batterien erforderlich sind);

[FR] Avertissement

1. Veuillez lire attentivement le manuel du produit et utiliser le produit correctement conformément aux instructions ; et conservez également correctement le manuel du produit. Si vous souhaitez contacter le vendeur, veuillez trouver les informations de contact sur le manuel du produit ;
 2. Veuillez connecter le fil en cas de panne de courant ;
 3. Si votre connaissance des circuits est imparfaite, pour éviter les chocs électriques, un électricien doit être employé pour effectuer le câblage ;
 4. Connectez les fils correctement selon le schéma de circuit, n'inversez pas le fil neutre et le fil sous tension (ou la polarité positive et la polarité négative). Une surtension,

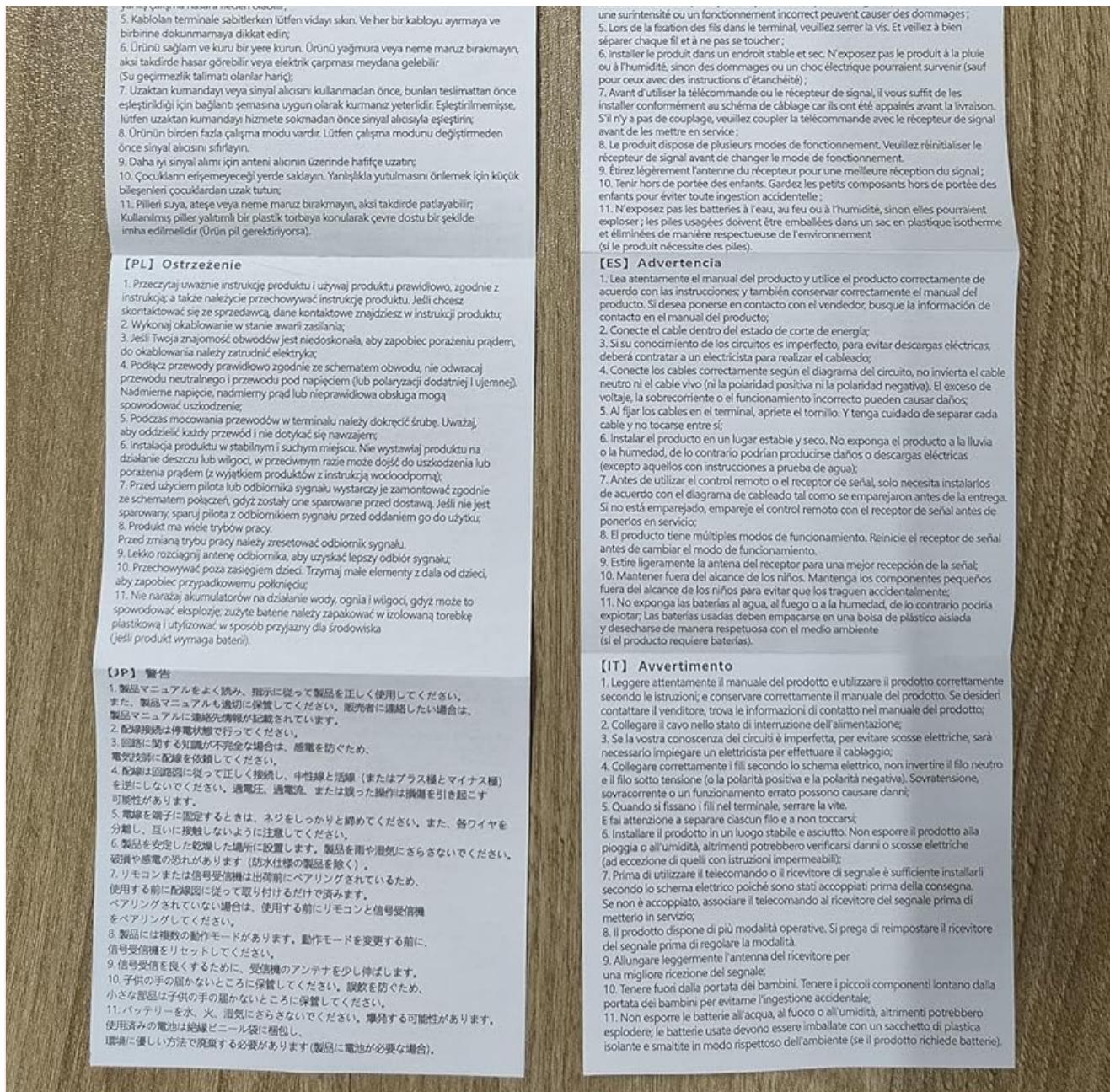


Figure 8: Manufacturer/Importer details on product packaging.

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

Address: Room 03, 12th Floor, Building T19, East Coast Garden, Fangzhilonghuwan, No. 27, Sanhuan South Road, Huicheng District, Huizhou City, Guangdong Province, China 516001

Service Email: dieseemail@163.com

Please retain your purchase receipt for warranty purposes.

	<p><u>DieselRC RX26 Relay Remote Control Switch Product Manual</u></p> <p>Comprehensive guide for the DieselRC RX26 wireless remote control switch, detailing technical specifications, wiring instructions, operating modes (Momentary, Toggle, Latched, Delay), programming procedures, reset function, and troubleshooting tips.</p>
	<p><u>DieselRC 5301 Wireless Remote Control Switch Manual</u></p> <p>User manual for the DieselRC 5301 Wireless Remote Control Switch, detailing technical specifications, wiring diagrams, operating modes (Momentary, Toggle, Latched, Delay), programming instructions, and troubleshooting.</p>
	<p><u>DieselRC 2202G Relay Remote Control Switch Product Manual</u></p> <p>Comprehensive product manual for the DieselRC 2202G Relay Remote Control Switch. Details technical specifications, operating modes (momentary, toggle, latched), programming instructions, wiring diagrams, troubleshooting, and customer support information for this 433MHz RF wireless relay.</p>
	<p><u>DieselRC 2402 Relay Remote Control Switch User Manual</u></p> <p>User manual for the DieselRC 2402 Relay Remote Control Switch. This document provides detailed product information, technical specifications, wiring diagrams, operating modes (Momentary, Toggle, Latched), programming instructions, reset procedures, and troubleshooting guidance.</p>
	<p><u>DieselRC 1204 Relay Remote Control Switch Manual</u></p> <p>User manual for the DieselRC 1204 Relay Remote Control Switch, detailing product information, wiring diagrams, operating modes (momentary, toggle, latched), programming instructions, and troubleshooting.</p>
	<p><u>DieselRC Wireless Light Switch Installation and Wiring Diagram</u></p> <p>Detailed wiring diagram and installation guide for the DieselRC Wireless Light Switch with a 10 Amp Relay receiver. Includes specifications, pairing instructions, troubleshooting, and customer service information.</p>