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DieseRC 750828381453

DieseRC Wireless Light Switch System Instruction Manual

Model: 750828381453

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your DieseRC Wireless Light Switch System. This system utilizes 433 MHz RF technology to provide a convenient and wiring-free solution for controlling lighting and other electrical appliances.

The system includes a wireless wall switch (transmitter) and a compact receiver unit. It is designed for ease of use and installation, offering flexible control options for various applications.

SETUP AND INSTALLATION

Before beginning installation, ensure the main power supply to the circuit is turned off to prevent electrical shock.

Receiver Installation

The mini receiver unit (dimensions: 47 x 42 x 23 mm) is designed to be installed between the power source and the appliance (e.g., light fixture). It can be easily concealed in most electrical boxes, junction boxes, or mounted directly.

- **Wiring:** Connect the live wire (L) and neutral wire (N) from the power supply to the "Input" terminals of the receiver. Connect the live wire (L) and neutral wire (N) of your appliance to the "Output" terminals of the receiver. The receiver supports AC 85V ~ 250V, suitable for 110V, 220V, and 230V AC systems.
- **Antenna:** The receiver is equipped with an antenna. For optimal signal reception, you may extend this antenna.

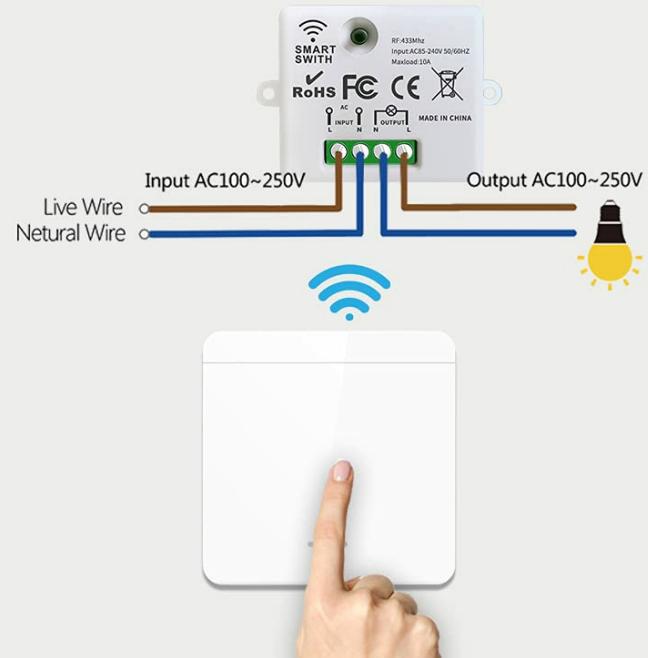
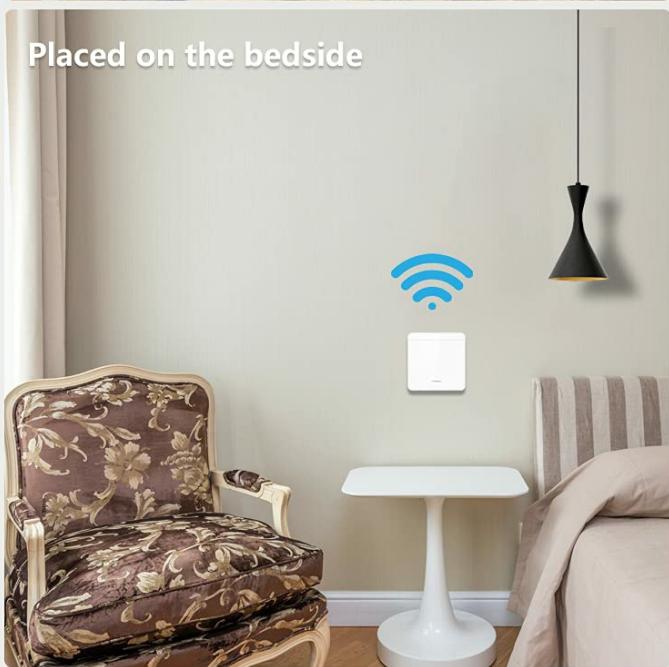
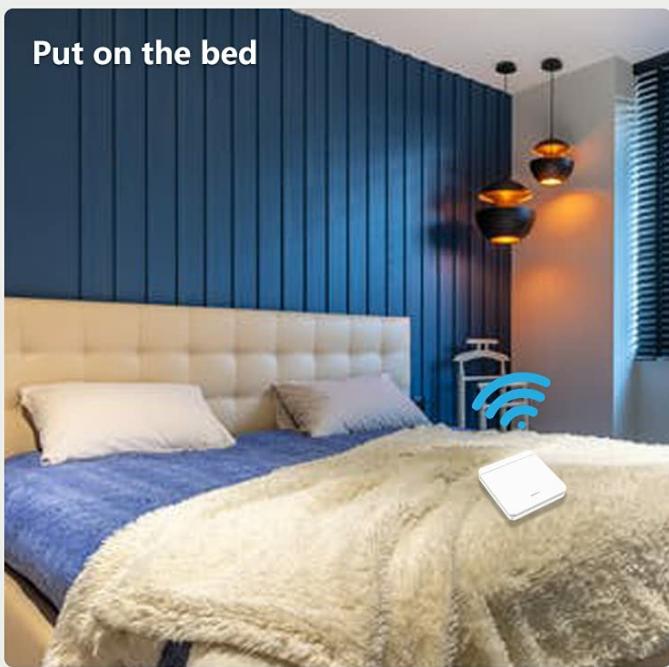


Image: Receiver wiring diagram and examples of wireless switch placement (on bed, glass, bedside wall).

Easy to install

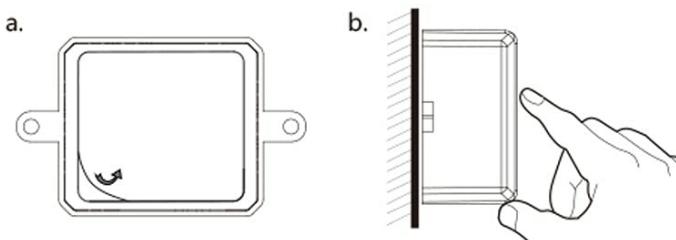
Can be hidden in electrical box or junction box



No need to climb stairs

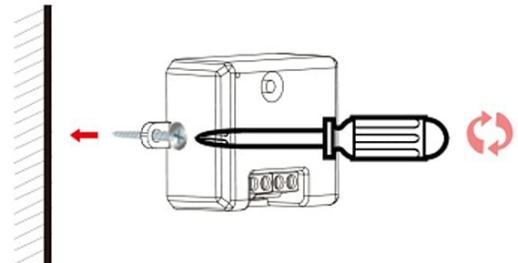
Method 1:

Double-sided adhesive tape installation



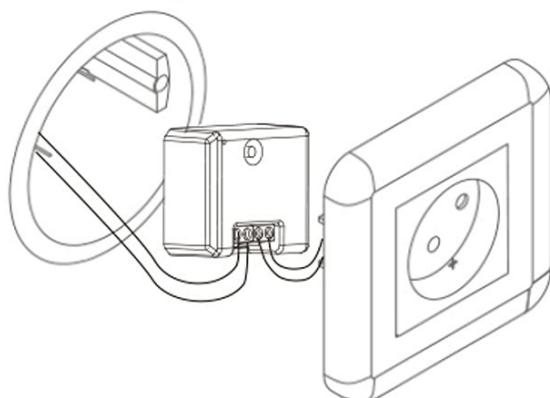
Method 2:

Mount the receiver on wall by screws



Method 3:

Install behind a power outlet



Method 4:

Install behind the suspended ceiling

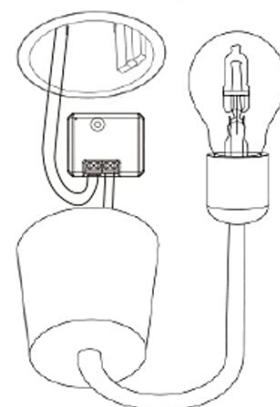


Image: Various receiver installation methods, including hiding in electrical boxes, mounting with screws, behind outlets, or in suspended ceilings.

Wireless Switch Installation

The wireless switch is a standard Type 86 panel switch. It requires no wiring and can be installed in several ways:

- **Adhesive Mounting:** Use the provided double-sided adhesive tape to fix the switch to any flat surface, such as a wall, glass, or furniture.
- **Screw Mounting:** For a more permanent installation, the switch can be mounted using screws.

Easy to Install No Wiring Required



Image: Example of easy, no-wiring installation of wireless switches in a kitchen environment.

Pairing the Switch and Receiver

To establish communication between the wireless switch and the receiver, follow these steps:

1. Press the learning button on the receiver unit **twice**. Wait for 3 seconds. The indicator light on the receiver will blink.
2. Within 3 seconds, press one button on the wireless switch. Wait for 3 seconds. The indicator light on the receiver will stop blinking, indicating successful pairing.

Each receiver can store approximately 10 wireless switches. One transmitter can also control multiple receivers.

How to connect 433Mhz wireless switch



1. Press the learning button (on the Receiver) 2 times. Wait for 3 seconds;



2. Press one button on the switch
Wait for 3 seconds, Succeed.

How to clear the signal



Press the learning button (on the Receiver) 8 times. Succeed.

Image: Step-by-step guide for pairing the wireless switch with the receiver.

OPERATING INSTRUCTIONS

Once paired, the wireless switch operates like a standard light switch. Press the button to toggle the connected appliance ON or OFF.

- **Single Switch Control:** One wireless switch can control one or more receivers.
- **Multiple Switches Control:** Multiple wireless switches can control a single receiver, allowing for multi-location control (e.g., a 3-way switch setup).

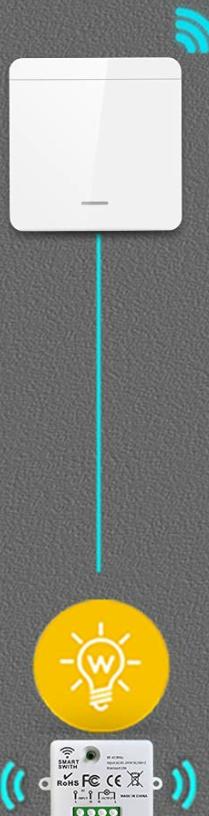
(1)

Multi switches
control a lamp



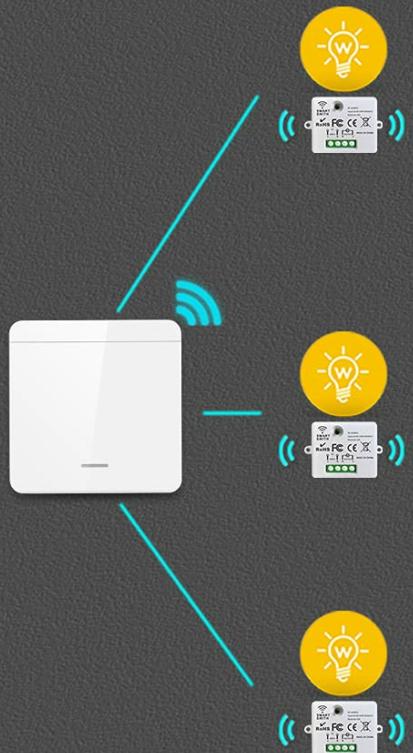
(2)

One switch
control a lamp



(3)

One switch control
multi lamps



●
More

●
More

Image: Examples of flexible control configurations using multiple switches and receivers.

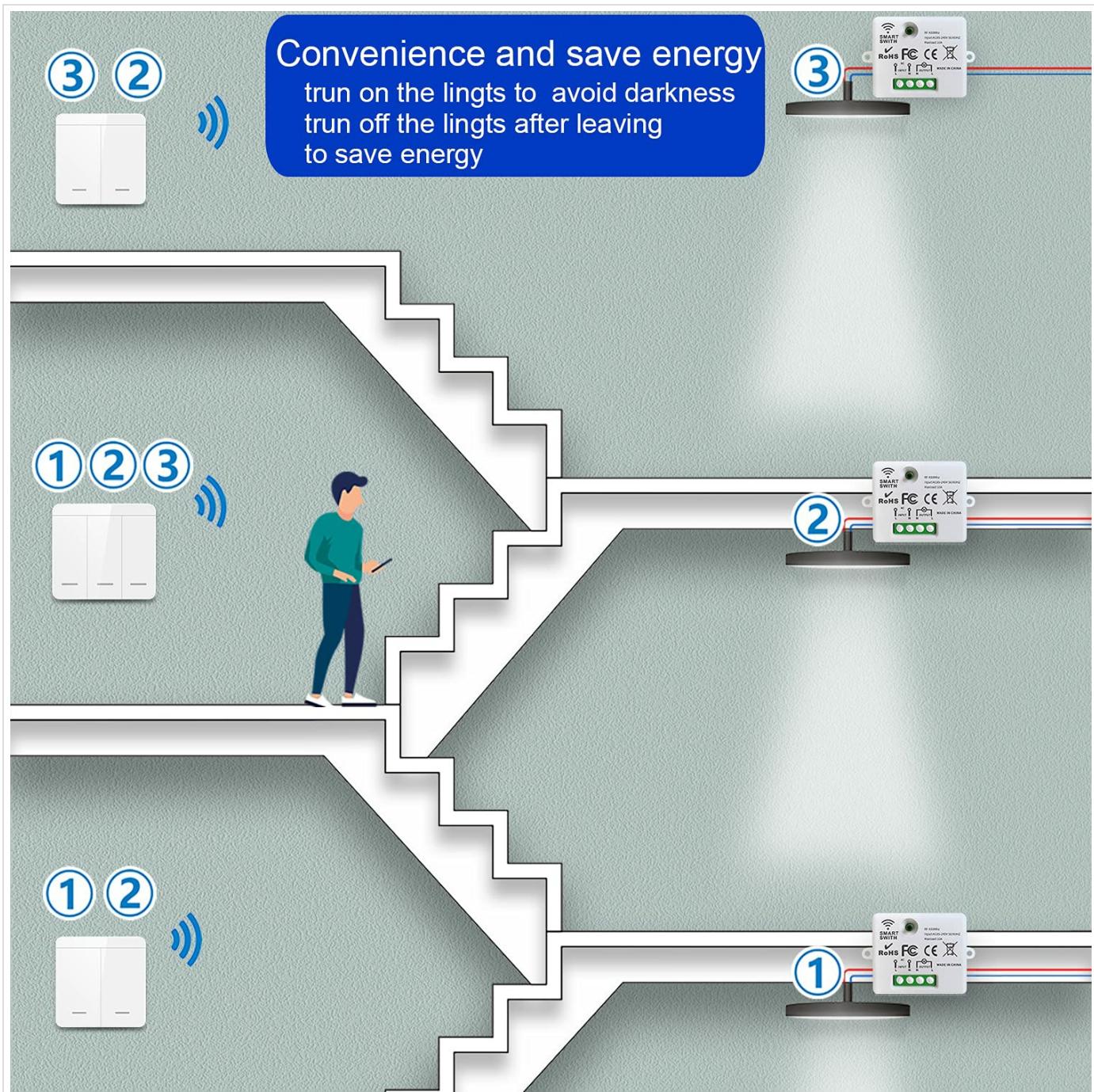


Image: Staircase lighting control example, highlighting convenience and energy saving.

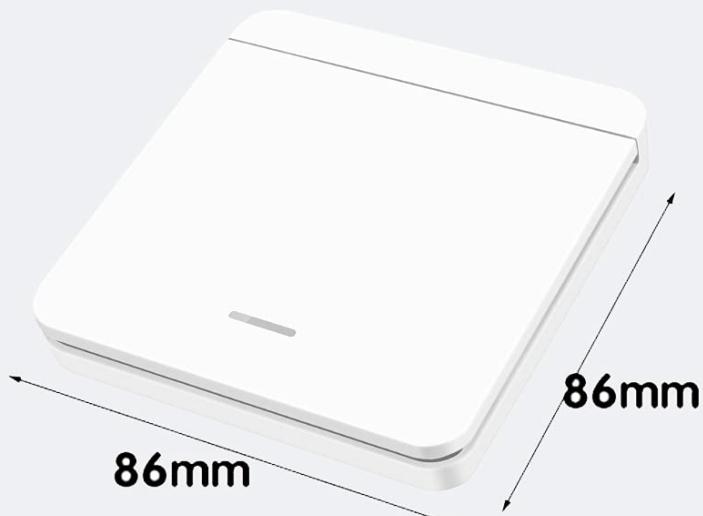
MAINTENANCE

Battery Replacement (Wireless Switch)

The wireless switch requires a 12V 27A battery, which typically lasts for approximately 5 years. To replace the battery:

1. Carefully open the switch casing.
2. Remove the old 12V 27A battery.
3. Insert a new 12V 27A battery, ensuring correct polarity.
4. Close the switch casing securely.

The switch is designed for over 500,000 uses, and the receiver's relay for over 400,000 uses, ensuring long-term reliability.

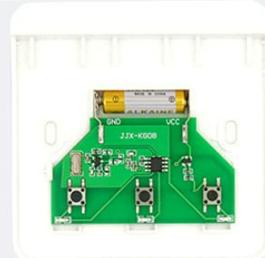


Weight :50g (0.21lb)

3.39in*3.36*in0.51in

86mm*86mm*13mm

Not include Battery



Battery type : 12V 27A

include Screw



include Sided tape

3M double-sided tape

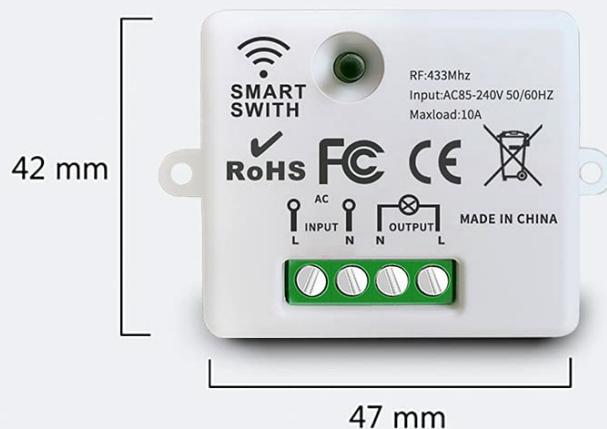


Image: Dimensions of the switch and receiver, highlighting the 12V 27A battery requirement.

TROUBLESHOOTING

Signal Clearing / Resetting Pairing

If you need to clear the signal (unpair) from a receiver, or if you experience issues with pairing, follow these steps:

1. Press the learning button on the receiver unit **8 times**.
2. Wait for 3 seconds. The indicator light on the receiver will blink rapidly and then turn off, indicating that all stored signals have been cleared.

After clearing the signal, you can re-pair the switch(es) following the "Pairing the Switch and Receiver" instructions.

How to connect 433Mhz wireless switch



1. Press the learning button (on the Receiver) 2 times. Wait for 3 seconds;



2. Press one button on the switch
Wait for 3 seconds, Succeed.

How to clear the signal



Press the learning button (on the Receiver) 8 times. Succeed.

Image: Instructions for clearing the receiver's stored signals.

Common Issues and Solutions

- **Appliance not responding:**

- Check if the receiver is correctly wired and receiving power.
- Ensure the appliance connected to the receiver is functional.
- Verify that the switch and receiver are properly paired (refer to "Pairing the Switch and Receiver").
- Check the battery in the wireless switch and replace if necessary.

- **Poor signal reception:**

- Extend the antenna on the receiver for better range.
- Ensure the switch is within the effective range (up to 50 meters in open field, reduced by obstacles).
- Minimize obstructions like thick walls or metal objects between the switch and receiver.

SPECIFICATIONS

Feature	Specification
Brand	DieseRC
Model Number	750828381453
Switch Type	Remote Switch
Operating Mode	Manual
Operating Voltage	85V - 250V AC
Current Rating	10 A (Max Load 1500W)
Contact Type	Normally Open
Connector Type	Screw Terminal
Circuit Type	2-way
Material	Metal (internal components)
Wireless Frequency	433 MHz
Coding	EV1527 Learning Code
Wireless Range	Up to 50 meters (open field)
Switch Battery	1 x 12V 27A (included, approx. 5-year life)
Receiver Dimensions	47 x 42 x 23 mm
Switch Dimensions	86 x 86 x 13 mm
Package Dimensions	18.7 x 9.3 x 4 cm
Product Weight	260 grams (package)
Origin	China

WARRANTY AND SUPPORT

The product features high-quality relays designed for over 400,000 uses and a wireless switch designed for over 500,000 uses, ensuring durability.

For warranty claims or technical support, please refer to your purchase documentation or contact DieseRC customer service through the retailer where the product was purchased.