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› Tedeligo Wireless Self-Generating Switch Kit (1 Switch, 1 Receiver) Instruction Manual

Tedeligo Dimmer

Tedeligo Wireless Self-Generating Switch Kit Instruction Manual

Model: Dimmer

1. INTRODUCTION

Thank you for choosing the Tedeligo Wireless Self-Generating Switch Kit. This kit provides a convenient and flexible solution for controlling lighting and other appliances without the need for traditional wiring. The self-generating switch requires no batteries, offering an eco-friendly and maintenance-free operation. This manual will guide you through the installation, operation, and maintenance of your new switch kit.

2. PRODUCT OVERVIEW

The Tedeligo Wireless Self-Generating Switch Kit consists of two main components: a wireless switch and an RF receiver. The switch generates its own power when pressed, sending a radio frequency signal to the receiver, which then controls the connected appliance.

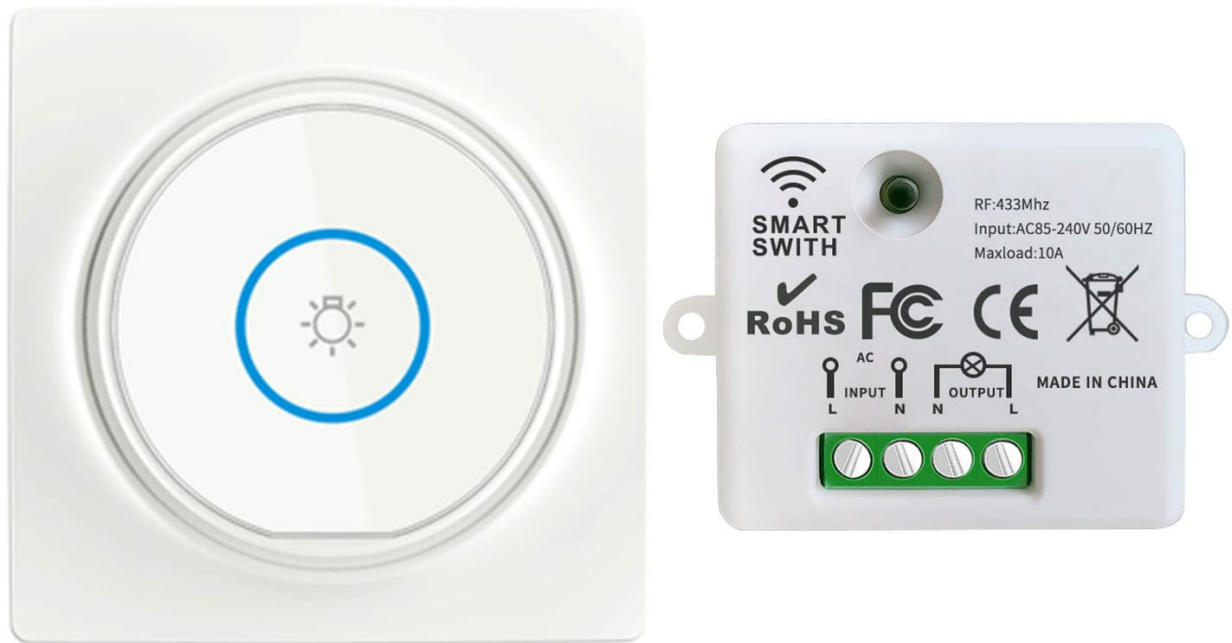


Image 2.1: Tedeligo Wireless Self-Generating Switch and RF Receiver. The image displays the white square-shaped wireless switch with a circular button and a blue light indicator, alongside the compact white RF receiver module with wiring terminals.

Key Features:

- **Self-Generating Technology:** The switch operates without batteries, converting kinetic energy from a press into electrical energy to send a signal.
- **Wireless Control:** Offers flexible placement of the switch, eliminating the need for new wiring.
- **Extended Range:** Provides an outdoor control distance of up to 100 meters and an indoor range of up to 60 meters.
- **Versatile Placement:** The switch can be used as a portable remote or mounted on a wall using the included adhesive base.
- **Waterproof Design:** The remote control switch is designed to be waterproof, allowing for outdoor installation.
- **Compact Receiver:** The small receiver can be easily concealed within most electrical boxes or junction boxes.
- **Wide Compatibility:** Suitable for controlling various loads including incandescent, fluorescent, LED lights, ceiling fans, and other appliances up to 2200W.



Image 2.2: Diagram illustrating the battery-free operation of the wireless switch. A finger presses the switch, and a crossed-out battery symbol indicates no battery is needed, highlighting the self-generating feature.



Image 2.3: Various usage scenarios for the wireless switch. It shows the switch being held in hand, placed on a bedside table, mounted on a wall, and its waterproof capability in a bathroom setting.

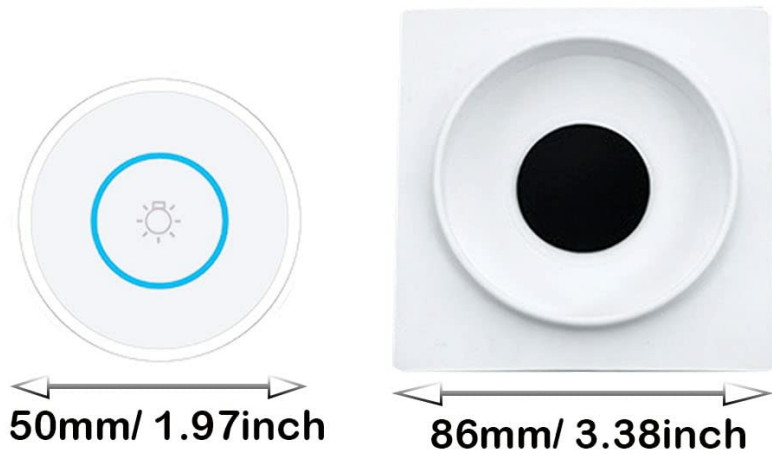
3. SPECIFICATIONS

Refer to the following specifications for detailed product information:

Feature	Specification
Product Dimensions (L x W x H)	10 x 9 x 5.8 cm
Product Weight	130 grams
Model Number	Dimmer
RF Frequency	433MHz
Max Current	10 A

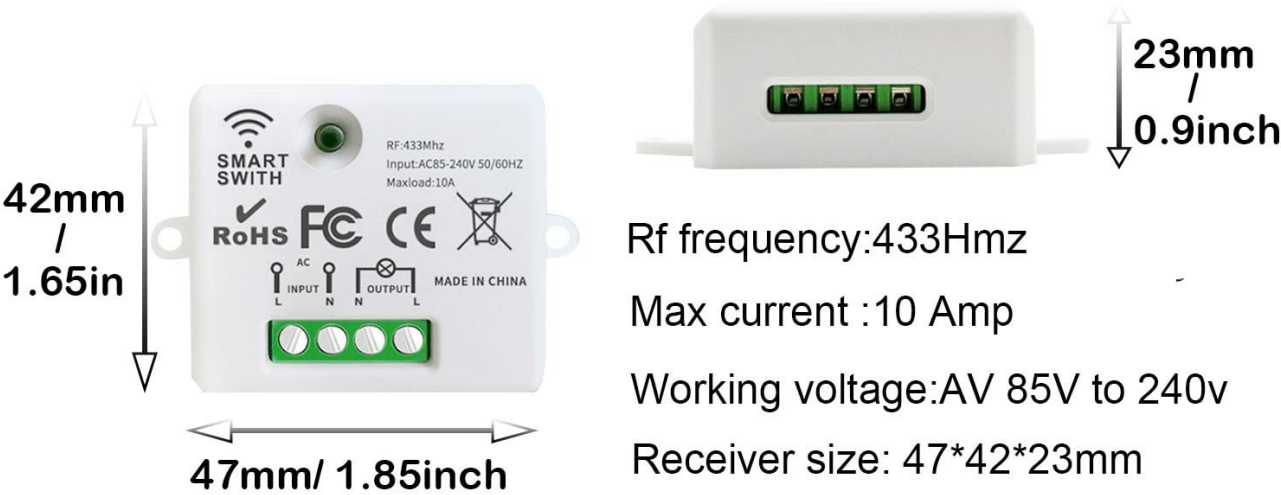
Feature	Specification
Working Voltage	AC 85V to 240V
Max Load	2200W
Control Distance (Outdoor)	Up to 100 meters
Control Distance (Indoor)	Up to 60 meters
Switch Type	Sliding (Push-button)
Contact Type	Normally Open
Operating Mode	Manual
Country of Origin	China

RF WALL SWITCH



Wireless | No battery | Eco-friendly
Rf frequency:433Hmz
Battery:No need battery
Wall switch:86*86mm
Wall Remote:50mm

RF RECEIVER



Rf frequency:433Hmz
Max current :10 Amp
Working voltage:AV 85V to 240v
Receiver size: 47*42*23mm

Image 3.1: Detailed dimensions of the RF wall switch (86x86mm, 50mm remote) and the RF receiver (47x42x23mm). This image

provides a visual reference for the physical size of each component.

4. SETUP AND INSTALLATION

Carefully follow these instructions for proper installation and setup of your Tedeligo Wireless Switch Kit.

4.1. Receiver Wiring

1. **Safety First:** Before beginning any wiring, ensure the main power supply to the circuit you are working on is turned OFF at the circuit breaker.
2. **Identify Wires:** Locate the Live (L) and Neutral (N) wires from your power source (AC 85V-240V) and the Live (L) and Neutral (N) wires leading to your light fixture or appliance.
3. **Connect Input:** Connect the Live (L) and Neutral (N) wires from the power source to the 'INPUT' terminals on the receiver.
4. **Connect Output:** Connect the Live (L) and Neutral (N) wires leading to your light fixture or appliance to the 'OUTPUT' terminals on the receiver.
5. **Secure Receiver:** The compact receiver can be hidden inside most standard electrical boxes or junction boxes. Use the provided screws or double-sided adhesive tape to secure the receiver if mounting it externally.



Image 4.1: An illustration showing a person installing the receiver module into a ceiling fixture. The wiring diagram indicates connecting the AC 85V-250V power supply to the receiver's input and the light bulb to its output.



Image 4.2: A diagram demonstrating how the compact receiver can be discreetly installed inside a wall junction box, next to a power outlet, or within a ceiling fixture.

Easy Installation

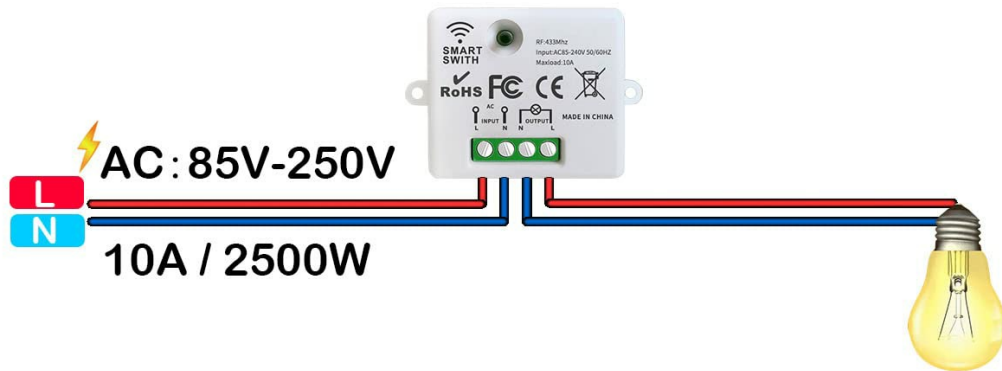


Image 4.3: A simplified wiring diagram showing the connection of the receiver between the AC 85V-250V power source and a light bulb. Below, various applications are depicted, including ceiling lights, pendant lights, water pumps, and fans, illustrating the versatility of the switch kit.

4.2. Switch Placement

The wireless switch offers flexible placement options:

- **Portable Use:** The switch can be removed from its wall panel base and used as a handheld remote control.
- **Wall Mounting:** Use the included double-sided adhesive tape to fix the wall panel base to any smooth surface such as glass, walls, or refrigerator surfaces. The switch can then be placed into this base.
- **Outdoor Use:** The remote control switch features a waterproof design, allowing for installation in outdoor environments.

4.3. Pairing the Wireless Switch with the Receiver

After wiring the receiver, you need to pair the wireless switch with it. This process links the switch to the receiver, enabling control.

1. **Enter Learning Mode:** Press and hold the learning button on the receiver for approximately three seconds. The LED

indicator beside the learning button will light up, indicating the receiver is in learning mode.

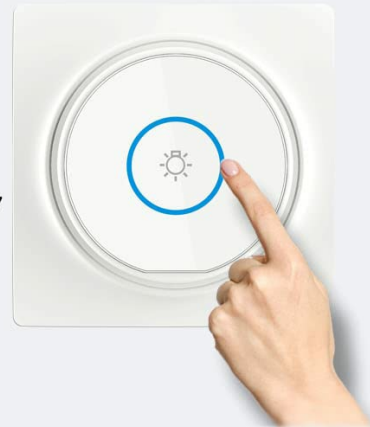
2. **Activate Switch:** Within a few seconds of the receiver entering learning mode, press the wireless switch button. The LED on the receiver will flash or turn off, confirming successful pairing.
3. **Test:** Press the wireless switch to confirm it can now control the connected light or appliance.

Connect 433Mhz Wireless Switch



1. Press and hold on the learning button three seconds until The LED beside the learning button light up ;

2. Press and hold on the switch, wait for 3 seconds



Clear the signal



Only one step : Press and hold on the learning button 10 seconds.

Image 4.4: Step-by-step visual guide for connecting the 433MHz wireless switch. It shows pressing and holding the learning button on the receiver until the LED lights up, then pressing the wireless switch to complete the pairing process.

4.4. Clearing the Signal (Unpairing)

If you need to unpair a switch from the receiver, follow these steps:

- **Clear Signal:** Press and hold the learning button on the receiver for approximately 10 seconds. The LED indicator will flash rapidly and then turn off, indicating that all paired switches have been cleared from the receiver's memory.

5. OPERATING INSTRUCTIONS

Once the wireless switch and receiver are successfully paired, operating the system is straightforward:

- **Turning On/Off:** Simply press the wireless switch button to toggle the connected light or appliance on or off. Each press will alternate the state.
- **Multiple Control Points:** If you have multiple switches paired to one receiver, any paired switch can control the connected appliance. This allows for convenient control from various locations within the signal range.



Image 5.1: A diagram illustrating how the light switch can be controlled from multiple locations using the wireless switch. It shows two wall-mounted switches and one handheld switch controlling a single light fixture in a multi-level home setting.

6. MAINTENANCE

The Tedeligo Wireless Self-Generating Switch Kit is designed for minimal maintenance:

- **Battery-Free Operation:** The wireless switch does not require batteries, eliminating the need for battery replacement.
- **Durability:** The switch is rated for up to 100,000 presses, ensuring a long operational lifespan.
- **Cleaning:** Clean the switch and receiver surfaces with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Waterproof Switch:** While the switch is waterproof, ensure the receiver is installed in a dry location, protected from moisture.

7. TROUBLESHOOTING

If you encounter issues with your Tedeligo Wireless Switch Kit, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Light/Appliance does not respond to switch.	1. Receiver not powered. 2. Switch not paired with receiver. 3. Switch out of range. 4. Wiring error.	1. Check power supply to the receiver. 2. Re-pair the switch and receiver (refer to Section 4.3). 3. Move the switch closer to the receiver. 4. Verify all wiring connections are secure and correct (refer to Section 4.1).
Intermittent control.	1. Interference from other RF devices. 2. Obstructions reducing signal strength. 3. Switch too far from receiver.	1. Try to identify and minimize sources of RF interference. 2. Ensure there are no large metal objects or thick walls directly between the switch and receiver. 3. Reduce the distance between the switch and receiver.
Receiver LED does not light up during pairing.	Receiver not powered or faulty.	Ensure the receiver is correctly wired and receiving power. If power is confirmed, the receiver may be faulty and require replacement.

8. WARRANTY AND SUPPORT

Specific warranty information and direct customer support contact details are not provided in the product data. Please refer to your purchase documentation or contact the retailer for warranty claims and technical assistance.