DEWENWILS DIT104+DRLS02

DEWENWILS Wireless Switch System: 1 Wall Transmitter + 2 Receivers Instruction Manual

MODEL: DIT104+DRLS02

1. Introduction

Welcome to the DEWENWILS Wireless Switch System. This manual provides comprehensive instructions for the safe and efficient installation, operation, and maintenance of your new wireless switch system. This system is designed to provide convenient control over your lighting and other electrical appliances without the need for complex wiring, offering flexibility and ease of use.

Please read this manual thoroughly before installation and operation, and retain it for future reference.

2. Product Overview

2.1 Components

- 1 x Removable Wall Transmitter (Wireless Switch)
- 2 x Wireless Receivers
- Installation Accessories (e.g., connectors, adhesive tape)

2.2 Key Features

- **No Wiring Required:** Eliminates the need for complex electrical wiring between the switch and the controlled device.
- **Extended Range:** Operates up to 30 meters (100 feet) in open areas, with signals capable of passing through walls, doors, and windows.
- **Removable & Magnetic Transmitter:** The wall switch can be detached from its base and used as a portable remote control. Its magnetic back allows attachment to metal surfaces.
- **Compact Receiver Design:** Receivers are small and designed to fit into most standard junction boxes and electrical enclosures.
- **Expandable System:** Easily add additional DEWENWILS receivers, switches, or remote controls (of the same model) to expand your home control system.
- **Pre-Paired for Convenience:** The system comes pre-paired from the factory, requiring no initial setup for

immediate use.

- **Energy Saving:** Provides convenient control to turn off lights and appliances when not needed, contributing to energy conservation.



Figure 1: Overview of the DEWENWILS Wireless Switch System components, including the wall transmitter and two receivers.

3. Setup and Installation

3.1 Safety Precautions

- Always turn off power at the circuit breaker before installing or servicing any electrical components.
- If you are unsure about electrical wiring, consult a qualified electrician.
- Ensure the total wattage of connected devices does not exceed 2300W.

3.2 Receiver Installation

The wireless receivers are designed to be installed between the power source and the appliance you wish to control

(e.g., a light fixture). Their compact size allows them to fit into most standard electrical boxes.

1. **Turn off Power:** Locate the circuit breaker controlling the circuit where you intend to install the receiver and turn off the power.
2. **Connect Wiring:** Connect the receiver according to the wiring diagram provided with the product. Typically, this involves connecting the Live (L) and Neutral (N) wires from your power source to the receiver's input, and then connecting the receiver's output Live (L') and Neutral (N) to your appliance.
3. **Secure Receiver:** Place the receiver inside the electrical box or junction box, ensuring all connections are secure and insulated.
4. **Restore Power:** Once installation is complete and verified, restore power at the circuit breaker.





Figure 2: Illustration demonstrating that no additional wiring is required for the DEWENWILS wireless switch system, simplifying installation compared to traditional switches.

3.3 Transmitter Setup

The wall transmitter comes pre-paired with the receivers. No initial pairing is required for the first use. The transmitter is powered by a Lithium-metal battery, which is included.

- **Mounting:** The transmitter can be mounted on a wall using the provided adhesive tape or screws, or simply placed on a flat surface.
- **Magnetic Feature:** The back of the transmitter is magnetic, allowing it to be conveniently attached to metal surfaces like a refrigerator when not in its wall mount.



Figure 3: Dimensions of the DEWENWILS wall switch (5.6 x 3 x 2.8 cm) and the compact receiver (5.6 x 3 x 2.8 cm), highlighting the receiver's suitability for standard electrical boxes.

4. Operating Instructions

4.1 Basic Operation

The transmitter functions like a standard light switch or remote control. Press the designated button to toggle the connected appliance on or off.

4.2 Multi-Channel Control

Your DEWENWILS wireless switch system may include a multi-channel transmitter, allowing you to control multiple receivers independently or simultaneously.

- **Individual Control:** Press buttons labeled '1', '2', '3' (or similar) to control specific paired receivers.
- **All Control:** Press the 'ALL' button to simultaneously turn on or off all paired receivers.



Figure 4: The DEWENWILS transmitter offers dual functionality, serving as a fixed wall switch or a portable remote control.



Figure 5: The multi-channel remote control allows for individual control of lights (buttons 1, 2, 3) or simultaneous control of all connected lights (ALL button).

5. System Expansion and Flexibility

The DEWENWILS Wireless Switch System is highly flexible and can be expanded to suit your needs. You can easily add more transmitters or receivers (of the same DEWENWILS model) to create a customized control network.

- **Multiple Transmitters to One Receiver:** Control a single light or appliance from several locations.
- **One Transmitter to Multiple Receivers:** Control several lights or appliances with a single switch or remote.

Refer to the specific pairing instructions provided with additional DEWENWILS components if you wish to expand your system beyond the pre-paired configuration.

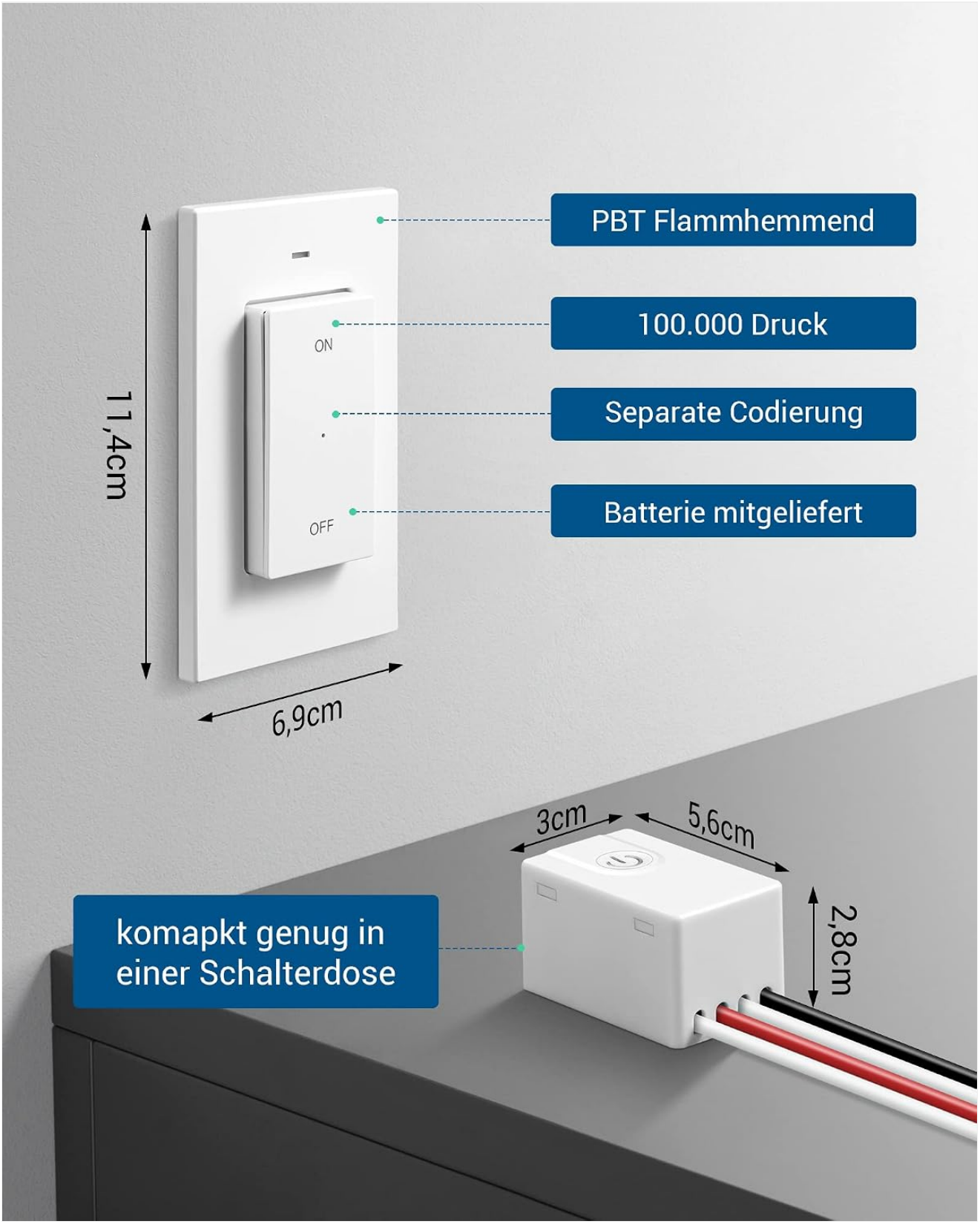


Figure 6: This diagram illustrates the expandable nature of the DEWENWILS system, showing various configurations for controlling devices with multiple transmitters or a single transmitter.

6. Maintenance

6.1 Transmitter Battery Replacement

The wall transmitter is powered by a Lithium-metal battery. If the transmitter's response becomes inconsistent or

stops working, the battery may need replacement.

1. Carefully open the battery compartment on the back of the transmitter.
2. Remove the old battery.
3. Insert a new Lithium-metal battery of the same type, ensuring correct polarity.
4. Close the battery compartment securely.

Dispose of old batteries responsibly according to local regulations.

7. Troubleshooting

7.1 Common Issues and Solutions

Problem	Possible Cause	Solution
Appliance does not respond to transmitter.	No power to receiver. Transmitter battery is low or dead. Receiver is out of range. Interference from other devices.	Check power supply to the receiver. Replace the transmitter battery. Move transmitter closer to the receiver. Relocate the receiver or transmitter to minimize interference.
Reduced operating range.	Obstructions (thick walls, metal objects). Battery low.	Minimize obstructions between transmitter and receiver. Replace transmitter battery.
Transmitter buttons control wrong receiver.	Incorrect pairing.	Refer to pairing instructions (if applicable for re-pairing) or contact support. The system is pre-paired, but re-pairing might be needed if issues occur.

8. Specifications

Feature	Detail
Brand	DEWENWILS
Model Number	DIT104+DRLS02
Voltage	230 Volt
Wattage (Max)	2300 Watt
Current (Max)	15 Ampere
Operating Mode	ON-OFF
Switch Type	2-way, Mechanical
Installation Type	Wall Mount (Transmitter)

Feature	Detail
Transmitter Battery	1 Lithium-metal battery (included)
Product Dimensions (Transmitter)	5.6 x 3 x 2.8 cm
Product Weight	220 g (total package)
Material	Plastic
Certification	CE

9. Warranty and Support

DEWENWILS provides a one-year warranty for this product. If you encounter any issues or have questions regarding your wireless switch system, please do not hesitate to contact DEWENWILS customer support. Our team is available to assist you with troubleshooting, technical guidance, and any other product-related inquiries.

For support, please refer to the contact information provided on the DEWENWILS official website or your purchase documentation.

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