Dpofirs B08W8LKQDP

Dpofirs 2CH 433MHz RF Remote Control for Gate and Electric Door - Instruction Manual

Model: B08W8LKQDP

1. Introduction

This Dpofirs 2CH 433MHz RF Remote Control system is designed for versatile control of various electrical devices, including gate motors, electric doors, and lighting systems. It features a dual-channel motor controller with forward/reverse functionality and supports multiple remote control types. The system offers a long control range and robust performance, making it suitable for a wide array of applications.

2. Package Contents

- 2 x Remote Controls
- 1 x Receiver Module
- 1 x User Manual

3. Specifications

Feature	Detail
Brand	Dpofirs
Model	B08W8LKQDP

Control Frequency	433MHz
Operating Voltage	DC 12V-36V
Max Load	≤10A
Control Range	Up to 100m (without barriers)
Supported Codes	Fixed Code (2262, 2260), Learning Code (2240, 1527, HT6p20B, HT6P20D), Scroll Code (HCS301, 300, 200)
Batteries Required	No (for receiver module)

4. Product Overview

The Dpofirs RF remote control system consists of a receiver module and remote control transmitters. The receiver module is designed for easy integration into various electrical systems.

Image 1: Dpofirs 2CH 433MHz RF Remote Control Receiver Module with antenna and terminal blocks. This image shows the compact design of the receiver unit, highlighting its antenna and the screw terminals for wiring connections.

Image 2: A typical 2-button remote control transmitter for the Dpofirs system. This remote features two buttons, usually labeled A and B, for controlling different functions or channels.

5. Wiring and Installation

The receiver module operates within a DC 12V-36V range. Proper wiring is crucial for safe and effective operation. The module features terminals for power input and relay outputs (COM, NO, NC).

5.1 Power Supply Connection

Connect the power supply to the V+ (positive) and V- (negative) terminals on the receiver module. Ensure the voltage is within the specified DC 12V-36V range.

Video 1: This video demonstrates the power supply connection for the 12V 1-channel remote control switch. It shows how to identify positive and negative terminals and connect a lithium battery, highlighting the acceptable voltage range of 10-14 volts.

5.2 Relay Terminal Explanation

- **COM:** Common terminal of the relay.
- **NO (Normally Open):** When the relay is not activated, the NO port is disconnected from the COM port. When activated, it connects to COM.
- **NC (Normally Closed):** When the relay is not activated, the NC port is connected to the COM port. When activated, it disconnects from COM.

Video 2: This video segment illustrates the meaning of COM, NO, and NC terminals on the relay, demonstrating how they connect or disconnect based on the relay's state. It also provides wiring ideas for connecting a light source.

5.3 Wiring for External Power Supply (Separate Device Power)

This wiring method is used when the device being controlled (e.g., a light) has its own power supply, separate

from the receiver module's power. The receiver acts as a switch for the device's circuit.

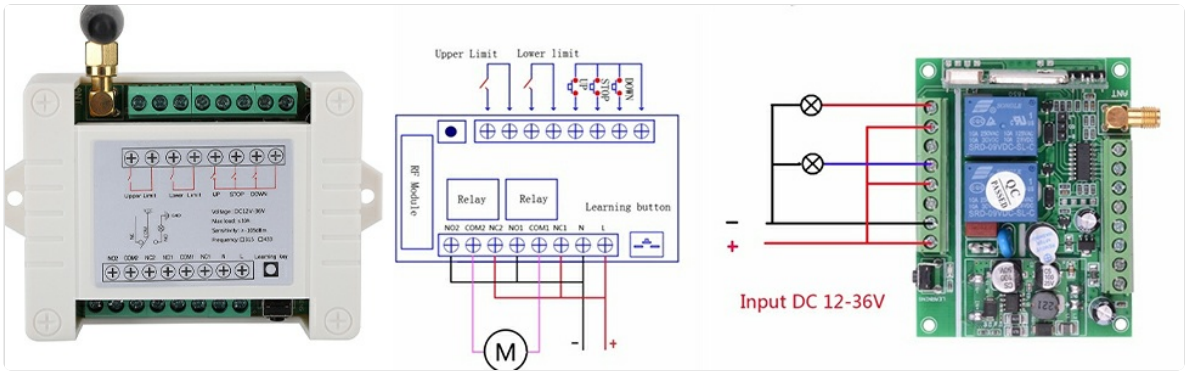

Image 3: Wiring diagram showing how to connect a device with an external power supply to the receiver module. The module controls the circuit of the external device without powering it directly.

5.4 Wiring for Shared Power Supply (Device Powered by Receiver)

This method is used when the device being controlled shares the same power supply as the receiver module. The module directly switches the power to the device.

Video 3: This video segment demonstrates the wiring principle for a shared power supply setup, where the controlled device (e.g., an LED lamp) is powered directly by the receiver module's power source.

6. Operating Modes and Remote Pairing

The receiver module supports various operating modes, which determine how the remote control interacts with the connected device. These modes are configured by pressing the learning button on the receiver a specific number of times.

6.1 Clearing Paired Remotes

To clear all previously paired remote controllers from the receiver's memory, press the learning button on the receiver 8 times. The learning indicator will flash 3 times and turn OFF, indicating that all codes have been cleared.

6.2 Pairing Modes

After clearing, you can pair new remotes in one of the following modes:

- **Momentary Mode (Press 1 time):** Press and hold the remote button to turn ON the device; release the button to turn OFF.
- **Toggle Mode (Press 2 times):** Press the remote button once to turn ON the device; press the same button again to turn OFF.
- **Latched Mode (Press 3 times):** Requires a 2-button remote. Press button A to turn ON the device. Press button B to turn OFF the device.
- **Delay OFF Mode (Press 4, 5, 6, or 7 times):** Pressing the remote button will turn ON the device, and it will automatically turn OFF after a set delay.
  - Press 4 times for 5-second delay.
  - Press 5 times for 10-second delay.
  - Press 6 times for 15-second delay.
  - Press 7 times for 20-second delay.

Video 4: This video segment provides a detailed explanation and demonstration of the various remote control pairing modes: Momentary, Toggle, Latched, and Delay OFF (5s, 10s, 15s, 20s). It shows how to select each mode by pressing the learning button a specific number of times and the corresponding behavior of the controlled device.

7. Applications

The Dpofirs 2CH 433MHz RF Remote Control is highly versatile and can be used in numerous applications:

- Controlling positive and negative motor switches.
- Gate and electric door remote control.
- Remote control for lamps and lighting systems.
- Controlling various equipment and water pumps.

Image 4: This image illustrates the wide range of applications for the Dpofirs remote control, including lights, motors, water pumps, and electric doors.

8. Troubleshooting

If you encounter issues with your Dpofirs RF Remote Control system, consider the following:

- **No response from remote:** Ensure the receiver module is correctly powered (12V-36V DC) and the remote control has working batteries. Re-pair the remote control following the instructions in Section 6.
- **Limited range:** Check for obstructions between the remote and receiver. Ensure the receiver's antenna is properly positioned and not obstructed.
- **Incorrect operation mode:** Verify that the remote is paired in the desired mode (Momentary, Toggle, Latched, Delay OFF) by re-pairing if necessary.
- **Interference:** The 433MHz frequency can be susceptible to interference. Try to relocate the receiver or identify potential sources of interference.

9. Maintenance

To ensure the longevity and optimal performance of your Dpofirs RF Remote Control system:

- Keep the receiver module and remote controls clean and dry.
- Avoid exposing the devices to extreme temperatures or direct sunlight.
- Regularly check the remote control batteries and replace them as needed.
- Ensure all wiring connections are secure and free from corrosion.

10. Warranty and Support

This Dpofirs motor remote control comes with a complete after-sales service. If you have any questions about the product or are not satisfied, please contact us at any time. We are committed to providing you with the best solution. Your satisfaction is our main concern.