

Dilwe B092MMY2WQ

Dilwe Dual Motor RC Winch Instruction Manual

Model: B092MMY2WQ

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Dilwe Dual Motor RC Winch. Designed for 1/10 scale remote control cars, this high-torque winch is suitable for various off-road RC trucks, including models like Redcat, TRAXXAS TRX4, and Axial SCX10 90046 D90. Its durable alloy construction ensures reliable performance for trail recovery adventures.

The winch features a dual-motor drive and a super soft cable, offering stable performance and strong pulling power for dragging objects or other RC vehicles.

2. SPECIFICATIONS

Feature	Detail
Item Type	RC Dual Motor Winch
Material	Alloy
Color	Black
Winch Load Limit (Hard Pull)	7-8 kg (approximately 15.4 - 17.6 lbs)
Power Supply Voltage	6-12.6V (2-3 LIPO)
Steel Wire Rope Length	Approx. 120 cm / 47.2 in
Installation Fixation Center Hole Position	8 x 45 ~ 53 mm / 0.3 in x 1.8 ~ 2.1 in
Fixed Screw	M2 x 8
Winch Size	Approx. 76 x 26 mm / 3 x 1 in
Product Dimensions	0.39 x 0.39 x 0.39 inches
Item Weight	3.52 ounces

Image: Winch Dimensions



Steel Wire Rope Length: Approx. 120cm / 47.2in

Installation Fixation Center Hole Position: 8 x 45 ~ 53mm / 0.3in x 1.8 ~ 2.1in

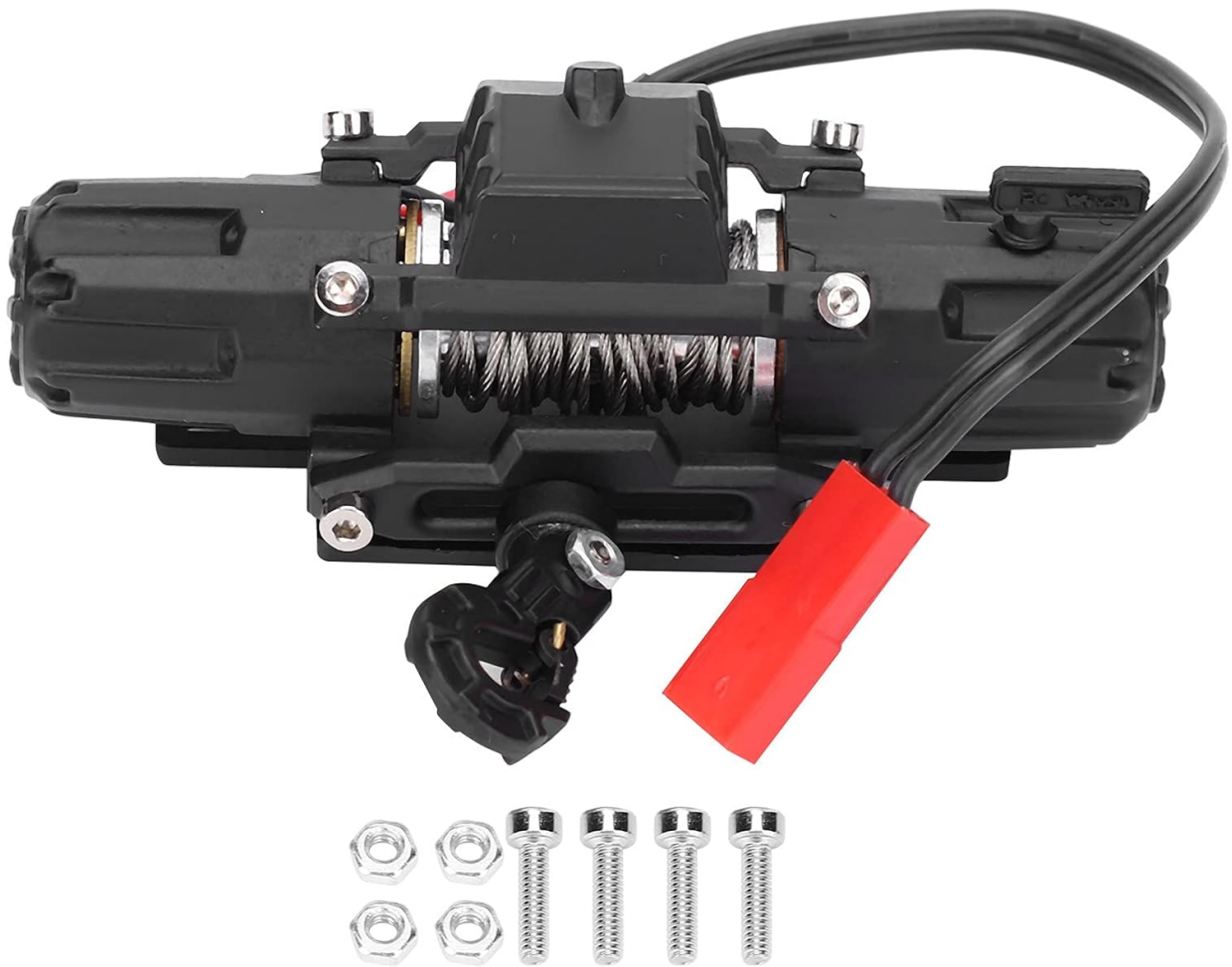
The image above illustrates the compact dimensions of the Dilwe Dual Motor RC Winch, showing its length of 76mm (3 inches) and width of 26mm (1 inch).

3. SETUP INSTRUCTIONS

3.1 Package Contents

- 1 x RC Dual Motor Winch
- 4 x Screw (M2 x 8)
- 4 x Nut

Image: Winch with Included Hardware



The image displays the Dilwe RC Winch along with the four M2x8 screws and four nuts provided for installation.

3.2 Installation Steps

1. Insert the winch plug into the controller plug.
2. Connect the controller to the receiver.
3. Before connecting the power supply, check the direction of the wire and the plug (red +, black -).
4. Plug the battery/receiver into the power cable.
5. Insert the winch plug line into the controller and check the functionality of the winch.
6. Connect the power cord to the receiver, then press and hold the reset button.

Video: RC Winch Setup and Demonstration

This video demonstrates the physical setup and initial testing of the RC winch, including connecting it to a power source and receiver.

4. OPERATING THE WINCH

Once properly installed and powered, the winch can be operated using a compatible remote control system. Ensure your remote is paired with the receiver and the winch controller is correctly connected to the receiver's designated channel.

The winch cable can be extended and retracted to assist in vehicle recovery or to pull objects. Always ensure the cable is free from obstructions and that the load does not exceed the winch's rated capacity.

Image: Winch Mounted on RC Car



Compatible: Fit for 1/10 RC Car
Fit for Redcat. Fit for TRAXXAS TRX4, Fit for SCX10 90046 D90

The image shows the Dilwe RC Winch mounted on a 1/10 scale RC truck, illustrating a typical installation for operational use.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Dilwe RC Winch, regular maintenance is recommended:

- **Keep Clean:** Regularly clean the winch and cable to prevent dirt and debris buildup, which can affect operation.
- **Inspect Cable:** Periodically check the steel wire rope for any signs of fraying, kinks, or damage. Replace if necessary.
- **Check Connections:** Ensure all electrical connections remain secure and free from corrosion.
- **Lubrication:** Apply a small amount of appropriate lubricant to moving parts as needed, avoiding electrical components.

6. TROUBLESHOOTING AND IMPORTANT NOTES

- **Powering the Winch:** Do not power the winch directly without a proper controller, otherwise it may damage the motor by causing one-way rotation or blocking.
- **Performance Expectations:** While rated for 7-8kg (15.4-17.6 lbs) hard pull, actual performance may vary depending on power supply and application. Some users have reported that the winch may struggle to lift vehicles weighing around 11 lbs, even when powered by a 3S battery with a 120C rating.

and an external BEC set to 7.4V. In such cases, increasing the BEC voltage to 8V might allow it to lift, but it may operate under strain.

- **Cable Management:** Ensure the cable spools evenly to prevent tangles or damage during operation.

Video: Winch Performance Test and BEC Discussion

This video provides a detailed demonstration of the winch's setup with an external BEC and tests its pulling capabilities, highlighting observations regarding its performance under load and different voltage settings.

7. SAFETY INFORMATION

- Always ensure proper polarity when connecting the power supply (red + / black -).
- Do not exceed the recommended power supply voltage of 6-12.6V.
- Keep fingers and loose clothing away from the winch cable and drum during operation.
- Do not attempt to pull loads that significantly exceed the winch's stated load limit.
- Always operate the winch in a safe and controlled environment.