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› Wireless Winch Remote Control Kit User Manual

LIEBMAYA 8542122069

Wireless Winch Remote Control Kit User Manual

Model: 8542122069

1. INTRODUCTION

Thank you for choosing the LIEBMAYA Wireless Winch Remote Control Kit. This kit provides a convenient and safe way to operate your 12V winch wirelessly, eliminating the need for a wired connection during operation. It is designed for use with various vehicles including trucks, Jeeps, ATVs, and SUVs, and is compatible with most major winch brands.

2. PRODUCT OVERVIEW

2.1 Components

- 1 x Wireless Remote Control Receiver (Controller)
- 2 x Wireless Remote Control Handsets



Figure 2.1: Main components of the wireless winch remote control kit.

2.2 Features

- **Wireless Operation:** Control your winch from a safe distance.
- **Indicator Light:** Provides visual feedback during operation.
- **Compact Design:** Remote size approximately 45 x 105 mm; Controller size approximately 45 x 60 mm.
- **Wide Compatibility:** Works with 12V winches from various brands such as Warn, Ramsey, Superwinch, Gorilla, Bulldog, and many others.



Figure 2.2: Close-up view of the two wireless remote control handsets.

3. SPECIFICATIONS

Attribute	Value
Brand	LIEBMAYA
Model Number	8542122069
Connection Voltage	12 Volts
Remote Size	Approx. 45 x 105 mm
Controller Size	Approx. 45 x 60 mm
Item Weight	5.3 ounces
Product Dimensions	3.54 x 3.54 x 1.57 inches
Batteries Required	Yes (2 x 12V batteries included for remotes)
Special Feature	Ergonomic design

4. SAFETY INFORMATION

Please read and understand all safety warnings and instructions before installing and operating this product. Failure to do so may result in property damage, personal injury, or death.

- Always ensure the winch is properly installed and maintained according to its manufacturer's instructions.
- Disconnect power to the winch before performing any installation, maintenance, or troubleshooting.
- Keep hands and clothing clear of the winch cable, hook, and fairlead during operation.
- Do not operate the winch if the remote control or receiver is damaged.
- Always turn off the power switch on the remote control handset when not in use to prevent accidental activation.
- Ensure the area around the winch is clear of bystanders before operating.
- This product is designed for 12V DC systems only. Do not connect to other voltage systems.

5. SETUP AND INSTALLATION

The installation of the wireless receiver unit requires basic electrical knowledge. If you are unsure, consult a qualified professional.

5.1 Wiring Diagram

Refer to the following diagram for proper wiring connections. Ensure all connections are secure and insulated to prevent short circuits.

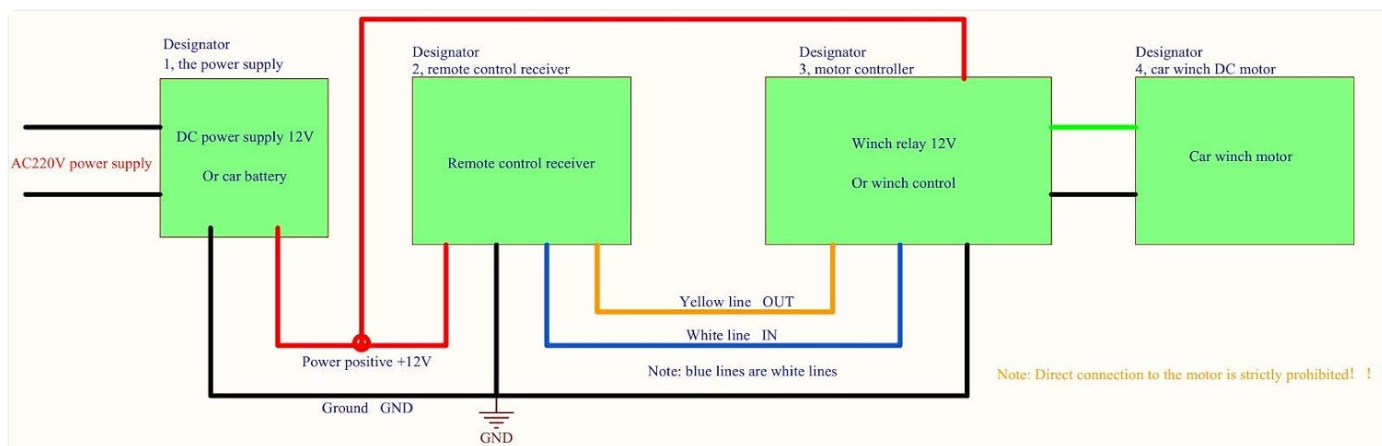


Figure 5.1: Wiring diagram for the LIEBMAYA Wireless Winch Remote Control Kit.

5.2 Connection Steps

1. **Identify Wires:** The receiver unit has multiple colored wires. Typically:
 - **Red Wire:** Connect to the positive (+12V) power source.
 - **Black Wire:** Connect to the negative (Ground/GND) power source.
 - **Yellow Wire:** Connect to the "OUT" (winch payout) control wire of your winch relay/contacter.
 - **White Wire:** Connect to the "IN" (winch retrieve) control wire of your winch relay/contacter.
 - **Blue Wire:** This is typically the antenna cable. Ensure it is not grounded or shorted.
2. **Power Source:** Connect the red wire to a fused 12V DC power source (e.g., car battery positive terminal). Connect the black wire to a reliable ground point (e.g., car chassis or battery negative terminal).
3. **Winch Control Wires:** Connect the yellow and white wires to the corresponding "IN" and "OUT" control terminals on your winch's relay or contactor. **WARNING: Do not connect these directly to the winch motor. They must connect to the winch's relay/contacter.**
4. **Secure Installation:** Mount the receiver unit in a dry, protected location, away from excessive heat, moisture, and vibration. Ensure all connections are tight and properly insulated with electrical tape or heat shrink tubing.

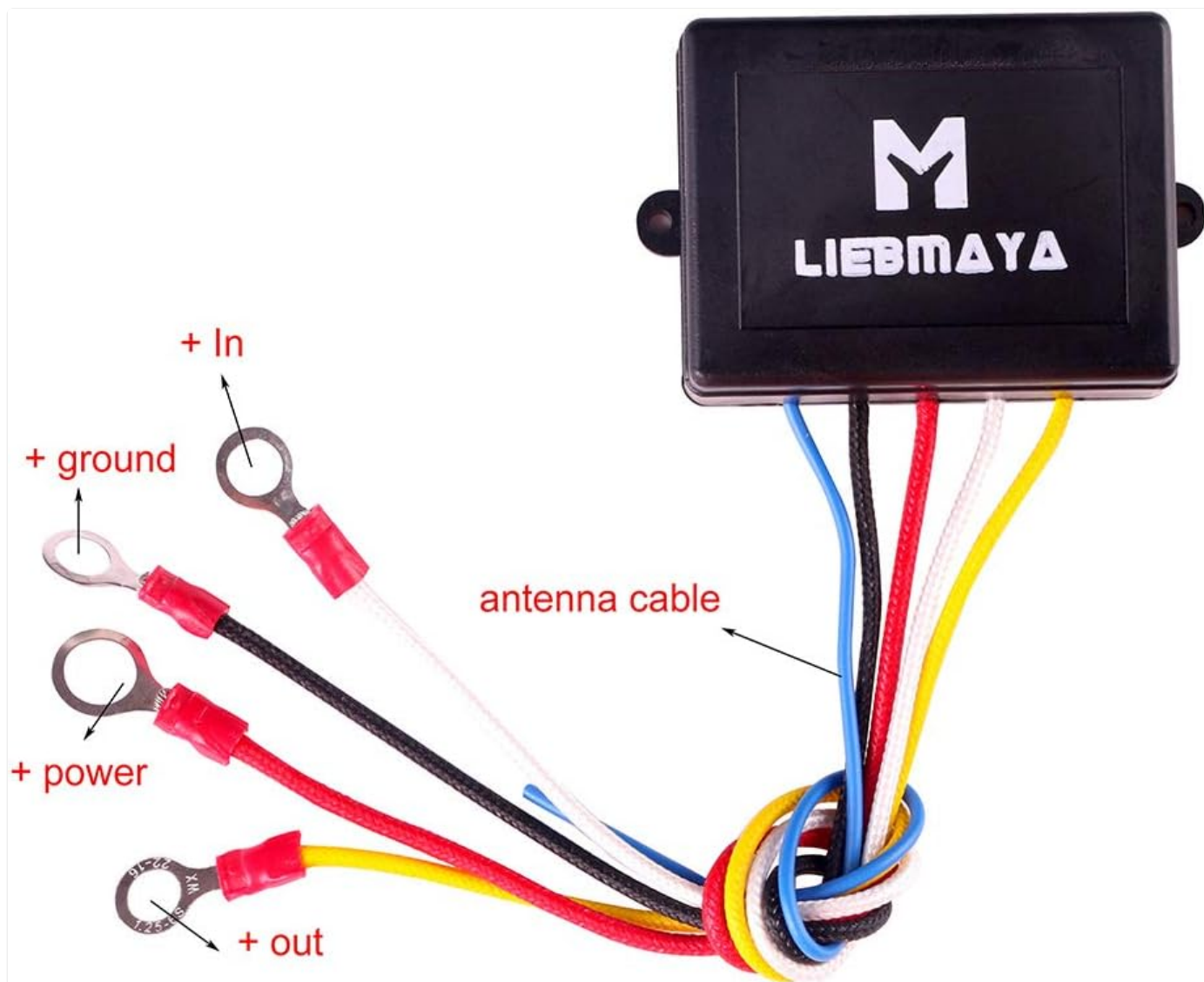


Figure 5.2: Wireless receiver unit with wiring harness.

6. OPERATING INSTRUCTIONS

Once the receiver unit is correctly installed and powered, you can operate your winch using the wireless remote control handsets.

6.1 Remote Control Handset



Figure 6.1: Remote control handset (back view) and battery.

1. **Power On:** Locate the "ON/OFF" power switch on the side of the remote control handset. Slide the switch to the "ON" position. The indicator light on the remote will illuminate briefly.
2. **Winch Out (Payout):** Press and hold the "OUT" button to extend the winch cable. Release the button to stop.
3. **Winch In (Retrieve):** Press and hold the "IN" button to retract the winch cable. Release the button to stop.
4. **Power Off:** When finished operating the winch, slide the "ON/OFF" power switch to the "OFF" position. This is crucial to prevent accidental activation and conserve battery life.

Note: Some winches or setups may experience a slight delay (e.g., 1 second) between pressing the button and the winch activating/deactivating. This is normal for some systems.

7. MAINTENANCE

- **Keep Clean and Dry:** Regularly wipe down the remote control handsets and receiver unit with a dry, soft cloth. Keep them free from dirt, dust, and moisture.
- **Battery Replacement:** If the remote control handset's indicator light does not illuminate or its range decreases significantly, replace the 12V battery inside the handset. Refer to Figure 6.1 for battery location.
- **Inspect Wiring:** Periodically check all wiring connections to the receiver unit for corrosion, fraying, or loose terminals. Ensure they remain secure and insulated.
- **Storage:** Store the remote control handsets in a safe, dry place when not in use, preferably with the power switch in the "OFF" position.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Winch does not respond to remote.	- Remote power switch is OFF. - Remote battery is dead. - Receiver unit not powered. - Loose or incorrect wiring connections. - Winch power is off or winch is faulty. - Remote out of range.	- Slide remote power switch to "ON". - Replace remote battery. - Check 12V power and ground connections to receiver. - Verify all wiring connections according to Section 5. - Ensure winch is powered and functional with its wired control (if applicable). - Move closer to the receiver unit.
Remote indicator light does not illuminate.	- Remote power switch is OFF. - Remote battery is dead or incorrectly installed.	- Slide remote power switch to "ON". - Replace remote battery, ensuring correct polarity.
Winch operates in wrong direction.	"IN" and "OUT" control wires are swapped.	Reverse the connections of the yellow and white wires at the winch relay/contactors.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided at the time of purchase or contact the seller directly. Keep your purchase receipt as proof of purchase.
Manufacturer: LIEBMAYA

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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