

## WINCHMAX WM1700012VR

# WINCHMAX 17000 lb (7711 kg) 12V Electric Winch User Manual

Model: WM1700012VR

## 1. INTRODUCTION

Thank you for choosing the WINCHMAX 17000 lb (7711 kg) 12V Electric Winch. This manual provides essential information for the safe and effective installation, operation, and maintenance of your winch. Please read this manual thoroughly before using the product to ensure proper function and to prevent injury or damage.

This winch is designed for recovery applications on vehicles over 3.5 tons, including recovery trucks and 4x4s, and is suitable for various off-road or recovery operations.

## 2. SAFETY INFORMATION

**WARNING:** Failure to follow these safety instructions may result in serious injury or property damage.

### 2.1 General Safety

- Always wear appropriate personal protective equipment, including heavy-duty gloves and eye protection, when operating the winch.
- Keep hands and body clear of the wire rope, hook, and fairlead during operation.
- Never allow children or untrained individuals to operate the winch.
- Ensure the winch is securely mounted to a structure capable of withstanding the maximum rated pull.
- Do not operate the winch if any part is damaged or malfunctioning.

### 2.2 Electrical Safety

- Disconnect the battery before performing any electrical work or maintenance on the winch.
- Ensure all electrical connections are clean, tight, and properly insulated.
- Use appropriate gauge wiring for the electrical connections to prevent overheating.
- Avoid short circuits.

### 2.3 Operational Safety

- Never exceed the rated pulling capacity of the winch.
- Always keep a minimum of five wraps of wire rope on the winch drum.
- Do not use the winch to lift people or for overhead lifting.
- Inspect the wire rope for kinks, fraying, or damage before each use. Replace damaged rope immediately.
- Maintain a safe distance from the winch and load during operation.
- Avoid sharp bends or angles in the wire rope during winching.
- Use a tree saver strap or similar anchor point protection to prevent damage to trees or other objects.

### 3. PACKAGE CONTENTS

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Verify that all items are present and undamaged upon unpacking:

- WINCHMAX 17000 lb (7711 kg) 12V Electric Winch
- 26m x 12mm Multi-strand Galvanized Steel Wire Rope (pre-installed)
- Twin Long-Range Wireless Remote Controls
- Wired Remote Control (Wander Lead, 4.5m cord)
- Heavy-Duty One-Piece Solenoid
- Four Roller Fairlead
- Clevis Hook (1/2 inch G70 grade forged, with safety catch and hand saver, zinc plated)
- High Tensile Fixing Bolt Kit
- WINCHMAX Branded Winch Cover



**Figure 1:** The WINCHMAX 17000 lb electric winch shown with all its components, including the winch unit, steel rope, hook, fairlead, wireless remotes, wired remote, and winch cover.

## 4. SETUP AND INSTALLATION

### 4.1 Mounting the Winch

1. Select a mounting location on your vehicle or structure that is strong enough to support the winch's maximum pulling capacity.
2. Use the provided high tensile fixing bolt kit to securely attach the winch. Ensure all bolts are tightened to the manufacturer's specifications.



**Figure 2:** A side view of the WINCHMAX 17000 lb electric winch, illustrating its compact design and the robust fairlead and hook attachment point.

## 4.2 Electrical Connections

1. Connect the heavy-duty one-piece solenoid to the winch motor and the vehicle's 12V battery.
2. Ensure all connections are clean, corrosion-free, and securely fastened. Use dielectric grease on terminals to prevent corrosion.
3. Connect the positive (+) cable from the solenoid to the positive (+) terminal of the battery.
4. Connect the negative (-) cable from the solenoid to the negative (-) terminal of the battery or a suitable chassis ground.
5. Verify that all wiring is routed away from moving parts and heat sources, and is protected from abrasion.

## 4.3 Wire Rope Installation (if required)

The steel wire rope is typically pre-installed. If re-spooling or replacing the rope:

1. Feed the rope through the fairlead and secure the end to the winch drum using the 'through-drum' rope connection with the grub screw clamp. Ensure it is tightened securely.

2. Carefully spool the rope onto the drum under light tension, ensuring it winds evenly and tightly.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Pre-Operation Check

- Inspect the winch, wire rope, hook, and all electrical connections for any signs of damage or wear.
- Ensure the vehicle's battery is fully charged.

### 5.2 Freewheel Clutch Operation

The winch features a sliding ring gear freewheel clutch for manual rope payout.

- To **disengage** the clutch (freewheel), rotate the clutch handle to the 'FREE' position. This allows you to pull the rope out manually.
- To **engage** the clutch, rotate the clutch handle to the 'ENGAGE' position. This locks the drum for powered winching. Always ensure the clutch is fully engaged before operating the winch under load.

### 5.3 Remote Control Operation

Your winch comes with both wired and wireless remote controls.

#### 5.3.1 Wired Remote Control

- Plug the wired remote control (wander lead) into the designated port on the solenoid.
- Use the 'IN' button to retract the rope and the 'OUT' button to extend the rope.
- Always stand clear of the rope and load while operating.

#### 5.3.2 Wireless Remote Control

The winch includes twin long-range wireless remote controls.





**Figure 3:** Front and back views of the WINCHMAX wireless remote controls, showing the 'IN' and 'OUT' buttons and activation instructions.

- **To activate:** Press both buttons simultaneously for 5 seconds until the LED lights up.
- **To turn off:** Press both buttons simultaneously for 5 seconds until the LED turns off.
- The remote will power off automatically after 2 minutes of inactivity.
- Use the 'IN' button to retract the rope and the 'OUT' button to extend the rope.
- Ensure a clear line of sight between the remote and the winch receiver for optimal performance.

#### 5.4 Winching Procedure

1. Engage the clutch.
2. Connect the hook to a secure anchor point using a tree saver strap or shackle.
3. Ensure the wire rope is not twisted or kinked.
4. Begin winching using the remote control, maintaining constant tension on the rope.
5. Monitor the rope and load throughout the operation. Stop if any unusual sounds or movements occur.
6. Once the recovery is complete, disengage the clutch and carefully rewind the rope onto the drum under light tension.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your WINCHMAX winch.

### 6.1 Regular Inspection

- Before and after each use, inspect the wire rope for fraying, broken strands, kinks, or corrosion. Replace if damaged.
- Check all electrical connections for tightness and corrosion.
- Inspect the mounting bolts for tightness.
- Examine the hook, fairlead, and clutch mechanism for wear or damage.

### 6.2 Wire Rope Care

- Clean the wire rope regularly to remove dirt, mud, and debris.
- If the rope becomes severely damaged, replace it with a genuine WINCHMAX replacement rope of the same specification.

### 6.3 Winch Cover

Use the provided WINCHMAX branded cover to protect the winch from water, road grime, and UV exposure when not in use.

## 7. TROUBLESHOOTING

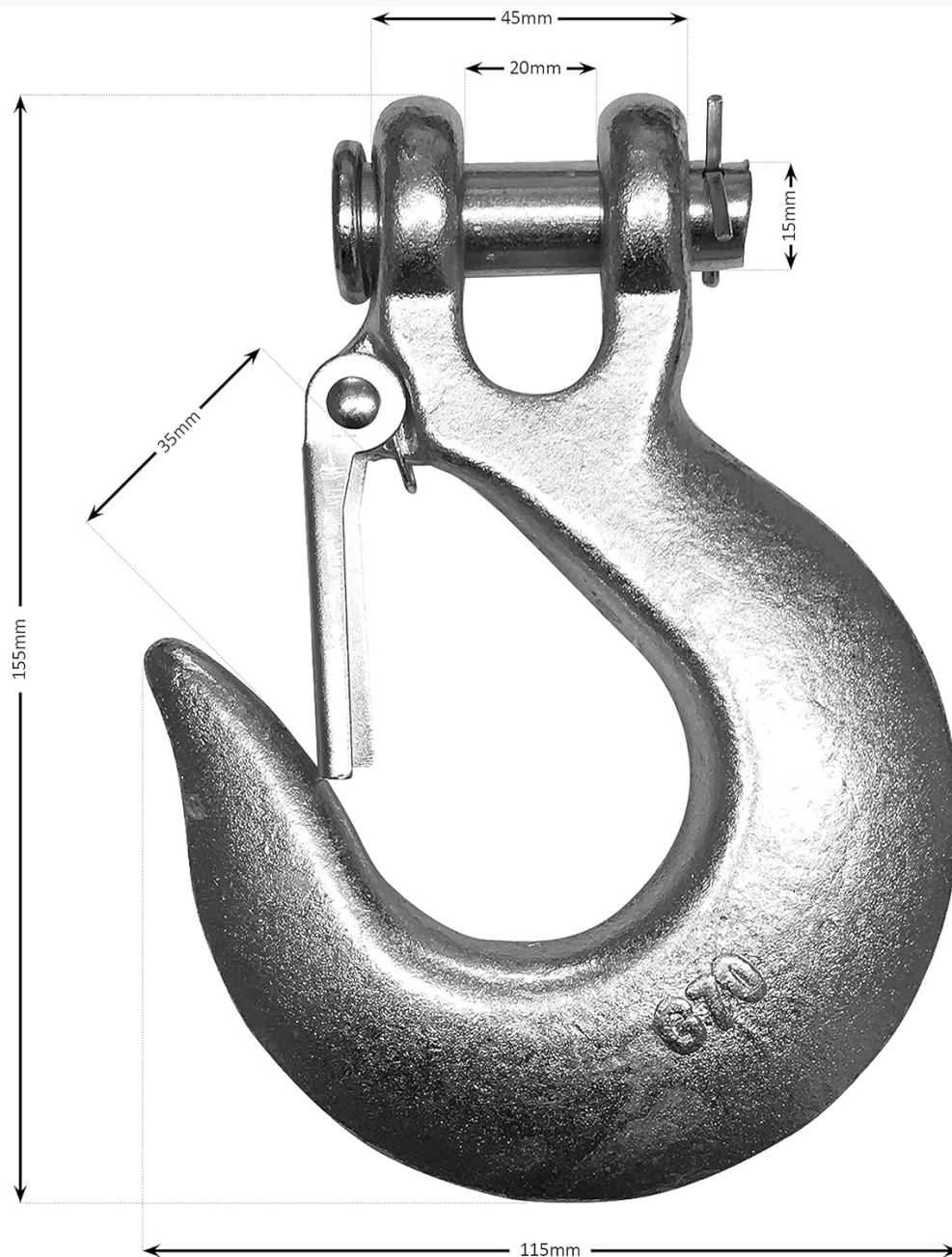
Problem	Possible Cause	Solution
Winch does not operate	No power to winch; Loose electrical connections; Faulty remote control; Clutch disengaged.	Check battery connections and charge; Tighten all electrical connections; Replace remote batteries or use wired remote; Engage clutch fully.
Winch operates slowly or weakly	Low battery voltage; Undersized wiring; Overload; Motor overheating.	Recharge battery; Ensure correct wire gauge; Reduce load; Allow motor to cool down.
Wire rope is kinked or frayed	Improper winding; Overloading; Contact with sharp objects.	Rewind rope evenly under tension; Do not exceed rated capacity; Inspect and replace damaged rope.
Clutch does not engage/disengage	Debris in clutch mechanism; Damaged clutch.	Clean clutch area; Contact WINCHMAX support for repair or replacement.

## 8. SPECIFICATIONS

Feature	Specification
Model Number	WM1700012VR
Rated Line Pull	17,000 lb (7,711 kg)
Motor	12V DC, 6.8 hp / 5.1 kW Series Wound
Gear Train	3-Stage Planetary

Feature	Specification
Gear Ratio	Not specified in input, typical for 17000lb winches is around 265:1 - 300:1
Clutch	Sliding Ring Gear Freewheel
Wire Rope	26m x 12mm Multi-strand Galvanized Steel
Fairlead	Heavy-Duty Four Roller
Remote Control	Twin Wireless, Wired Wander Lead (4.5m)
Solenoid	Heavy-duty One-Piece, IP67 Waterproof
Hook	1/2 inch G70 Grade Forged Clevis Hook, Zinc Plated
Gross Weight	60 kg
Package Dimensions	60 x 35 x 35 cm
Certifications	CE certified, built to ISO9001
Country of Origin	China





**Figure 4:** Detailed dimensions of the 1/2 inch G70 grade forged clevis hook, showing its length, width, and pin diameter.

## 9. WARRANTY AND SUPPORT






### 9.1 Warranty Information

WINCHMAX provides an industry-leading **lifetime warranty** on mechanical components and a **3-year warranty** on electrical components for this product. Please retain your proof of purchase for warranty claims.

### 9.2 Customer Support

For technical assistance, warranty claims, or spare parts inquiries, please refer to the official WINCHMAX website or contact your authorized WINCHMAX dealer. Please have your model number (WM1700012VR) and purchase details ready when contacting support.

Related Documents - WM1700012VR

	<p><a href="#">WINCHMAX ATV/Utility/Trailer Winches: Fitting and Operating Guide</a></p> <p>Comprehensive guide for the safe installation, operation, and maintenance of WINCHMAX 12V/24V winches designed for ATVs, utility vehicles, and trailers. Covering models such as the 3,000lb (1,361kg) and 5,000lb (2,268kg), this document is crucial for ensuring proper setup and reliable performance. Includes safety warnings, installation steps, operation procedures, and troubleshooting tips.</p>
	<p><a href="#">WINCHMAX Winch Hooks - Safety, Installation, and Usage Guide</a></p> <p>Comprehensive guide for WINCHMAX winch hooks, covering safety warnings, installation procedures, usage instructions, and specifications. Includes multilingual information.</p>
	<p><a href="#">WINCHMAX Hydraulic Winches Fitting and Operating Guide   10,000lb - 20,000lb Models</a></p> <p>Comprehensive fitting and operating guide for WINCHMAX hydraulic winches, covering models from 10,000lb to 20,000lb. Includes installation, operation, safety, maintenance, and troubleshooting instructions.</p>
	<p><a href="#">Winchmax Jerry Can User Guide: Safe Handling, Filling, and Storage</a></p> <p>Comprehensive user guide for Winchmax polished stainless steel jerry cans, covering safe handling, filling, pouring, cleaning, storage, troubleshooting, and important safety precautions for fuel, oil, and water. Includes product specifications and contact information.</p>
	<p><a href="#">Winchmax Compressors Operating Guide: 72 l/min &amp; 160 l/min</a></p> <p>Comprehensive operating guide for Winchmax 72 l/min and 160 l/min air compressors. Covers safety warnings, operating procedures, hard mounting, troubleshooting, and technical specifications for optimal use and maintenance.</p>



[WINCHMAX ATV/Utility/Trailer Winches: Fitting and Operating Guide](#)

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