

X-BULL AM0004

X-BULL 4500 lbs Electric Winch User Manual

Model: AM0004

Brand: X-BULL

1. INTRODUCTION AND OVERVIEW

The X-BULL 4500 lbs Electric Winch is a robust and versatile recovery tool designed for ATV/UTV, boat trailers, and various off-road applications. Engineered for durability and performance, this winch provides reliable pulling power for demanding tasks, ensuring you are prepared for challenging situations.



Figure 1.1: X-BULL 4500 lbs Electric Winch with included accessories.

2. PRODUCT FEATURES

- **Powerful Motor:** Equipped with a 1.5 horsepower motor for strong and consistent pulling performance.
- **Efficient Gear System:** Features an impressive three-stage planetary gear system with a 136:1 gear ratio, ensuring low vibration and efficient power transfer.
- **Durable Synthetic Rope:** Includes 1/4 inches x 50 feet synthetic rope with a 3.2 feet protective sleeve, offering high strength and ease of handling.
- **Dynamic Braking:** A dynamic brake holding mechanism securely keeps your vehicle in place during winching operations.
- **Dual Control Options:** Comes with an 82 feet range wireless remote control and an 8 feet handlebar mini rocker switch for flexible operation.
- **Weatherproof Design:** The winch exterior features powder-coated workmanship and an IP66 waterproof rating, ensuring durability in various weather conditions.
- **Versatile Application:** Suitable for a wide range of uses including snow plowing, hunting, stacking wood, and towing equipment for ATVs, UTVs, and other vehicles.

3. COMPONENTS AND WHAT'S INCLUDED

Your X-BULL 4500 lbs Electric Winch kit includes the following components:

- Winch Unit with Synthetic Rope
- Aluminum Hawse Fairlead
- Wireless Remote Control
- Handlebar Mini Rocker Switch (Wired Remote)
- Mounting Plate
- Heavy Duty Hook
- Solenoid Cables (Red, Black, Blue, Yellow)
- Controller/Solenoid Box
- Protective Caps/Bolts and Mounting Hardware

**TO ACTIVATE
PRESS BOTH THE TWO
BUTTONS AT
THE SAME TIME FOR 5
SECONDS UNTIL
THE LED LIGHTS UP**

***PLEASE REFER TO THE TEXT ON THE
BACK OF THE REMOTE FOR MORE DETAILS.**



Figure 3.1: All components included in the X-BULL 4500 lbs Winch Kit.

4. SETUP AND INSTALLATION

Proper installation is crucial for the safe and effective operation of your winch. Ensure all connections are secure and follow the recommended bolt patterns.

4.1 Mounting the Winch

The winch features a 3 x 6.6 inches bolt pattern. A 5.9 x 5.1 x 4.9 inches bracket is included and can be easily installed on your cargo box or desired mounting location. Ensure the mounting surface is strong enough to support the winch and its maximum pulling capacity.



SYNTHETIC ROPE



HEAVY DUTY
MOUNTING PLATE

ALU HAWSE FAIRLEAD

Figure 4.1: Winch components including the heavy duty mounting plate.



Figure 4.2: Detailed dimensions for mounting and installation.

4.2 Electrical Connections

Connect the winch to a 12V power source. The kit includes color-coded solenoid cables for straightforward

wiring. Ensure all connections are tight and insulated to prevent short circuits.

- Connect the blue and yellow power cords from the winch to the corresponding terminals on the controller.
- Connect the black power cord (negative) to the negative battery terminal.
- Connect the red power cord (positive) to the positive battery terminal or a suitable switch wire.
- Connect the ignition wire to the positive battery terminal or switch wire.



SHIPS



TRUCKS



ATVS



UTVS

**4500LBS
WINCH**

**MULTI-RANGE APPLICATION
Pulling Capacity**

Figure 4.3: Electrical wiring diagram for the winch system.

5. OPERATING INSTRUCTIONS

Familiarize yourself with the winch controls and safety procedures before operation.

5.1 Clutch Operation

The winch features a clutch knob for engaging and disengaging the synthetic rope drum. To free-spool the rope (pull it out manually), rotate the clutch knob to the "Freespool" position. To engage the clutch for powered winching, rotate it to the "Engaged" position.



Figure 5.1: Clutch knob and electrical terminals.

5.2 Remote Control Usage

The winch can be operated using either the wireless remote control or the wired handlebar mini rocker switch.

- **Wireless Remote:** To activate the wireless remote, press both the "IN" and "OUT" buttons at the same time for 5 seconds until the LED lights up. Use the "IN" button to retract the rope and the "OUT" button to extend it. The wireless remote has an 82-foot range.
- **Wired Switch:** The 8-foot handlebar mini rocker switch provides direct control for retracting or extending the rope.



CLUTCH KNOB



POSITIVE

NEGATIVE



Figure 5.2: Wireless remote activation instructions.

5.3 General Winching Procedures

1. Ensure the vehicle is securely braked and stable.
2. Disengage the clutch and pull out enough rope to reach the anchor point.
3. Securely attach the hook to a suitable anchor point (e.g., tree saver strap, recovery point).
4. Engage the clutch.
5. Operate the winch using the remote control, ensuring the rope spools evenly onto the drum.
6. Maintain a safe distance from the winch and rope during operation.

5.4 Applications

The X-BULL 4500 lbs winch is suitable for a variety of pulling tasks, including:

- Recovery of stuck ATVs and UTVs.
- Loading boats onto trailers.
- Moving heavy objects in agricultural or construction settings.
- Assisting with snow plowing operations.

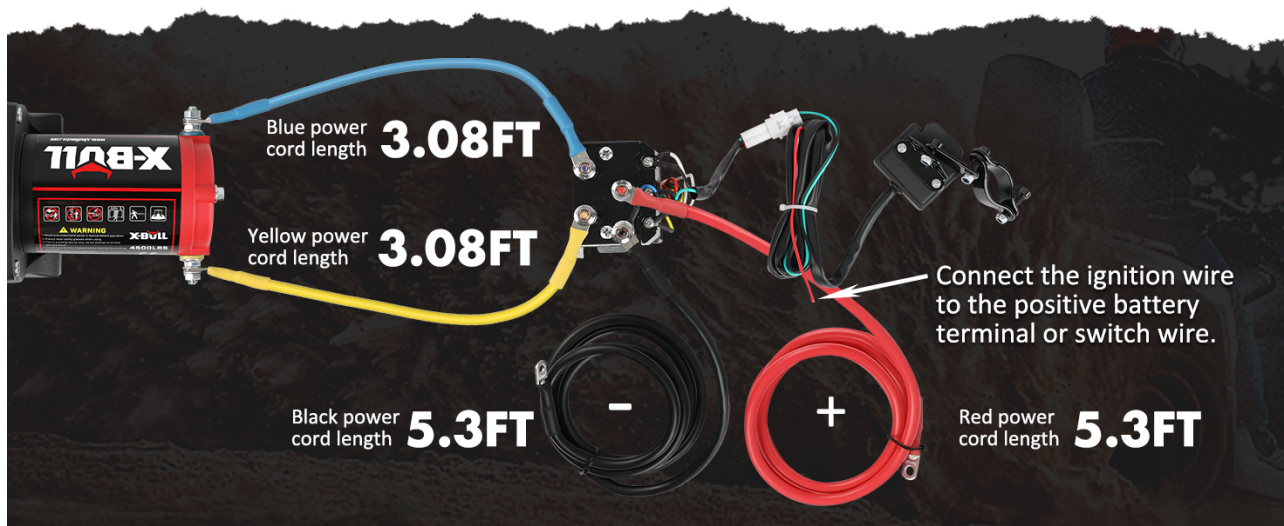


Figure 5.3: Multi-range application of the X-BULL 4500 lbs winch.

5.5 Official Product Video

Watch the official X-BULL video demonstrating the winch in various challenging off-road scenarios. This video showcases the winch's performance and durability in real-world applications.

Your browser does not support the video tag.

Video 5.1: X-BULL Winch in action during off-road challenges.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your X-BULL winch.

- **Inspect Regularly:** Periodically inspect the synthetic rope for fraying, cuts, or damage. Check all electrical connections for corrosion or looseness.
- **Clean After Use:** After use, especially in muddy or wet conditions, clean the winch unit and rope with fresh water. Allow it to dry completely before storage.
- **Check Mounting Hardware:** Ensure all mounting bolts and hardware remain tight and secure.
- **Lubrication:** Consult a qualified technician for internal lubrication requirements.
- **Rope Care:** Avoid sharp bends or kinks in the synthetic rope. If the rope shows significant wear, replace it with an appropriate synthetic winch rope.

7. TROUBLESHOOTING

If you encounter issues with your X-BULL winch, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Winch does not operate (no power)	Loose or corroded electrical connections, dead battery, faulty solenoid/controller.	Check battery charge. Inspect and tighten all electrical connections. If issues persist, consult a qualified technician or X-BULL support.

Problem	Possible Cause	Solution
Wireless remote not working	Remote battery low/dead, remote not activated, interference.	Replace remote battery. Re-activate remote by pressing both buttons for 5 seconds. Try operating closer to the winch.
Rope tangles or spools unevenly	Insufficient tension during winding, damaged rope.	Always maintain slight tension on the rope when winding. If rope is damaged, replace it.
Winch operates slowly or weakly	Low battery voltage, overloaded winch, motor overheating.	Ensure battery is fully charged. Do not exceed winch's rated capacity. Allow motor to cool down if overheated.

8. SPECIFICATIONS

Specification	Value
Brand	X-BULL
Model Number	AM0004
Pulling Capacity	4500 lbs
Voltage	12 Volts
Motor Horsepower	1.5 HP
Gear Ratio	136:1
Synthetic Rope Size	1/4 inches x 50 feet
Waterproof Rating	IP66
Item Weight	21.1 pounds
Package Dimensions	16.5 x 11.5 x 7.5 inches

9. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your X-BULL 4500 lbs Electric Winch, please contact X-BULL customer service directly. You can also visit the official X-BULL store for more product information and support resources.

[Visit the X-BULL Store](#)

