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› X-BULL Winch 12V 6000lbs Synthetic Rope Winch Instruction Manual

X-BULL USAM-XBEW005

X-BULL Winch 12V 6000lbs Synthetic Rope Winch Instruction Manual

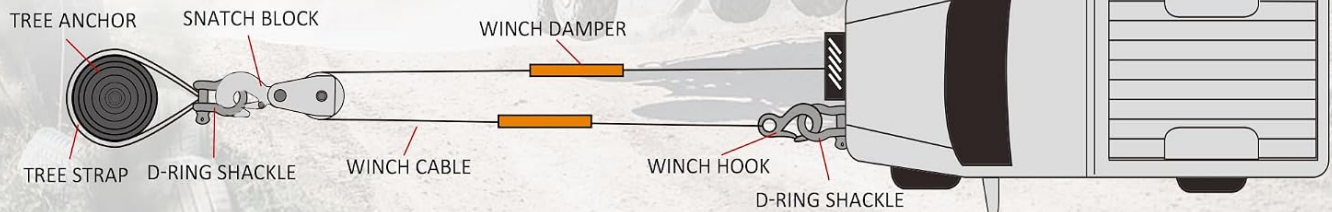
Model: USAM-XBEW005

1. PRODUCT OVERVIEW

This manual provides essential information for the safe and effective installation, operation, and maintenance of your X-BULL 12V 6000lbs Synthetic Rope Winch. This electric winch is designed for ATV, UTV, powersports, and off-road recovery applications, featuring a 1.9 HP motor, 3-stage planetary gear system, and IP68 waterproof rating.

PULLEY

Including pulley blocks with hooks. Using dual-line operation will approximately double your winch's pulling capacity.



RUBBER STOPPER

Our rubber stoppers are made of high-quality rubber, which is strong, elastic, and odorless. This hook stopper protects the winch motor and gears from pulling the cable in too far and bottoming out on the rollers.



Image 1.1: X-BULL 6000lbs Synthetic Rope Winch with integrated control box and red synthetic rope.

2. WHAT'S IN THE BOX

Verify that all components listed below are included in your package. If any items are missing or damaged, please contact X-BULL customer support.

- 1 x 6000lbs Winch with Synthetic Rope
- 1 x Mounting Plate
- 1 x Heavy Duty Hook
- 1 x Manual Remote (Wired Remote)
- 1 x Wireless Remote
- 4 x Joint Protective Caps
- 1 x Aluminium Hawse Fairlead
- Mounting Bolts

- 1 x Spring Plate
- 1 x Rubber Stopper
- 1 x Movable Pulley Hook

WIRELESS REMOTE



BATTERY: LR03(AAA) 1.5V

- **LIGHT**
SOLID WHEN ON:
FLASHES WHEN WORKING.
- **IN**
PRESS TO WIND /
RELEASE TO STOP.
- **OUT**
PRESS TO RELEASE /
RELEASE TO STOP.
- **POWER**
TRANSMITTER ON/OFF
SWITCH.



CLUTCH KNOB

ENGAGE

Tips: The winch is in working condition in ENGAGE mode, and it will automatically brake when stop using the winch.

RELEASE (FREESPOOL)

Tips: When the winch is in freespool state you can manually pull out quickly and collecting the winch rope.



Image 2.1: Visual representation of all components included in the X-BULL 6000lbs Winch package, including the winch, remotes, hook, fairlead, and mounting hardware.

3. SAFETY INFORMATION

Read and understand all safety warnings and instructions before operating this winch. Failure to follow these instructions may result in serious injury or property damage.

- Always wear appropriate personal protective equipment, including gloves and eye protection.
- Never exceed the rated line pull capacity of the winch.
- Ensure the winch is securely mounted to a structurally sound surface.
- Keep hands and clothing clear of the winch rope, hook, and fairlead during operation.

- Always use a winch damper or heavy blanket over the winch rope during recovery operations to reduce whiplash in case of rope failure.
- Inspect the synthetic rope, hook, and all connections for damage before each use. Do not use if damaged.
- Avoid operating the winch at extreme angles that could cause the rope to pile up on one side of the drum.
- Disconnect power to the winch when not in use or during maintenance.
- Do not use the winch for lifting people or for overhead lifting applications.

4. SETUP AND INSTALLATION

The X-BULL winch features an integrated design for simplified installation.

4.1 Mounting the Winch

1. Select a suitable mounting location on your ATV, UTV, or vehicle that can support the winch's weight and pulling forces.
2. Use the provided mounting plate and bolts to securely fasten the winch to the chosen location. Ensure all bolts are tightened to the manufacturer's specifications.
3. Install the Aluminium Hawse Fairlead to guide the synthetic rope smoothly.



Image 4.1: The integrated design of the winch, showing the control box directly attached to the winch body for easier installation.

4.2 Electrical Connection

Connect the winch directly to your vehicle's 12V battery.

1. Connect the **RED** wire from the winch to the **POSITIVE (+)** terminal of the battery.
2. Connect the **BLACK** wire from the winch to the **NEGATIVE (-)** terminal of the battery.
3. Ensure all connections are tight and secure. Use the provided joint protective caps over the terminals to prevent corrosion and short circuits.

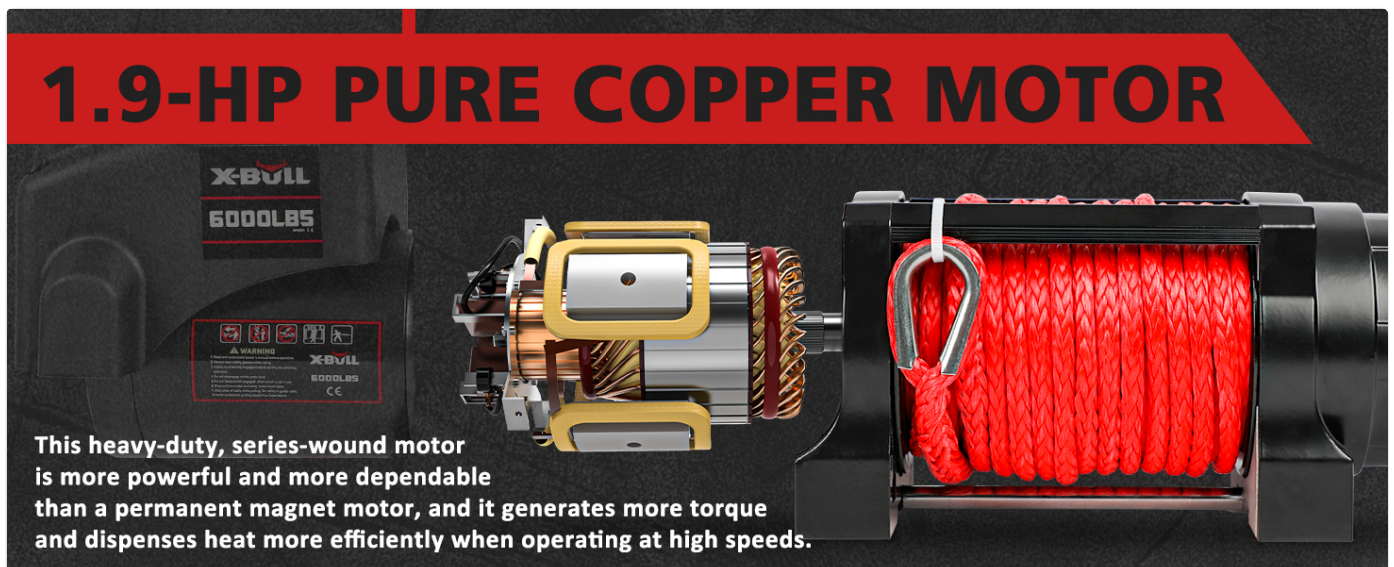


Image 4.2: Wiring diagram illustrating the connection of the winch's red wire to the positive battery terminal and the black wire to the

negative battery terminal.

5. OPERATING INSTRUCTIONS

Your X-BULL winch can be operated using either the wired remote or the wireless remote control.

5.1 Clutch Operation (Engage/Release)



Image 5.1: The winch's clutch knob, showing "ENGAGE" and "RELEASE (FREESPOOL)" positions, alongside the wireless remote control.

- **ENGAGE:** Turn the clutch knob to the "ENGAGE" position for winching operations. In this mode, the winch is ready to pull, and the automatic braking system is active.
- **RELEASE (FREESPOOL):** Turn the clutch knob to the "RELEASE" position to allow the synthetic rope to be manually pulled out quickly. This is useful for rapidly deploying the rope to the anchor point. Ensure the clutch is re-engaged before applying power.

5.2 Remote Control Usage



Image 5.2: Both the wired and wireless remote controls for operating the winch. The wireless remote has a range of up to 100 feet.

- **Wireless Remote:** Press "IN" to wind the rope in, and "OUT" to release the rope. The light flashes when working. Ensure the transmitter is ON. The wireless remote offers operation up to 100 feet.
- **Wired Remote:** Connect the wired remote to the winch's control port. Use the "IN" and "OUT" buttons to control the rope movement.

5.3 Using the Pulley Hook and Rubber Stopper

PRODUCT DIMENSION

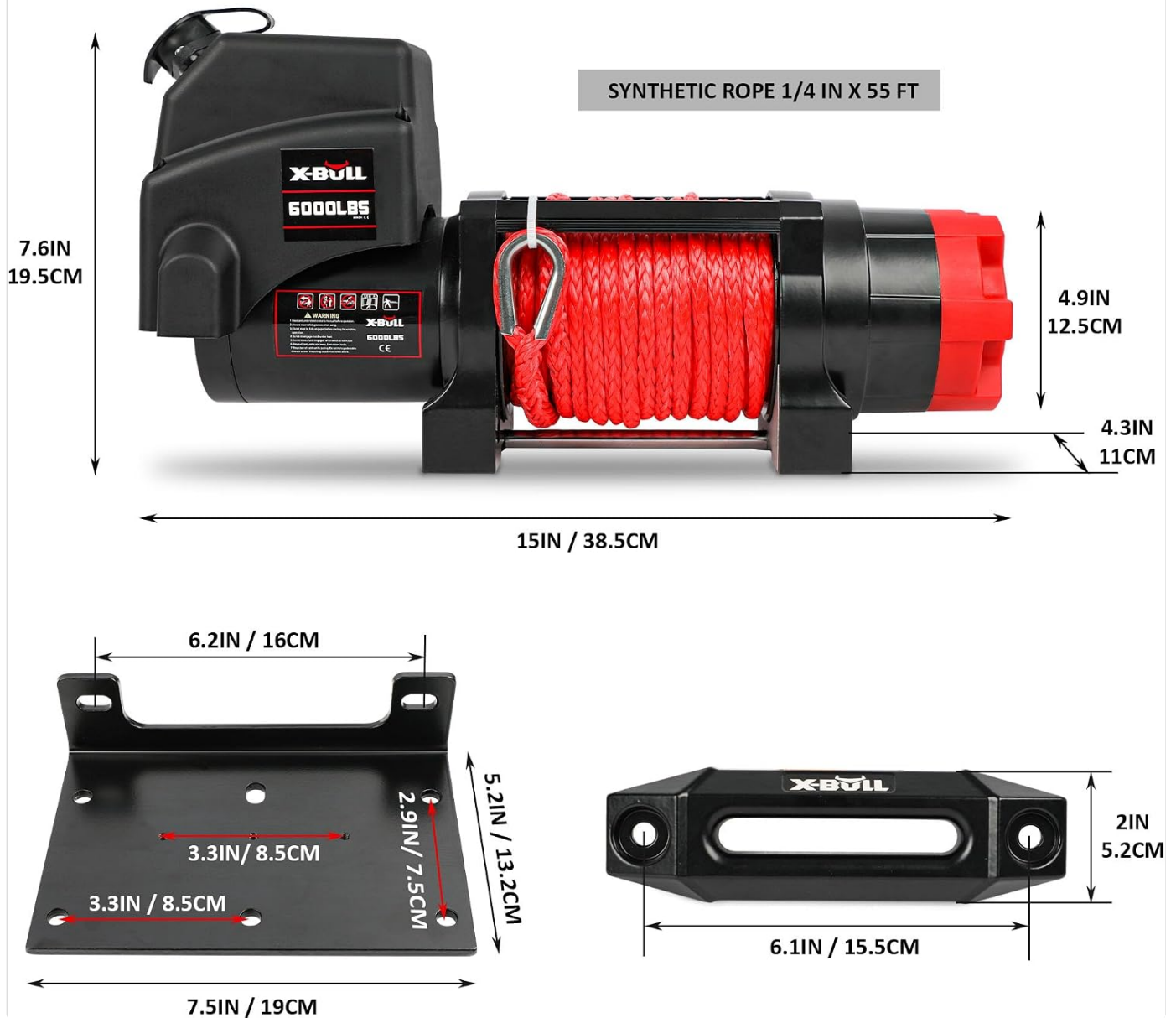


Image 5.3: Illustration of how to use a pulley block to double the winch's pulling capacity and the function of the rubber stopper to protect the fairlead.

- **Movable Pulley Hook:** For heavier loads or to double your winch's pulling capacity, use the movable pulley hook in a dual-line operation setup. This distributes the load and reduces strain on the winch.
- **Rubber Stopper:** Install the rubber stopper on the synthetic rope to prevent the hook from being pulled too far into the fairlead, protecting both the fairlead and the winch motor/gears from damage.

6. MAINTENANCE

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

- **Rope Inspection:** Regularly inspect the synthetic rope for frays, cuts, or other damage. Replace the rope if any damage is found.
- **Electrical Connections:** Check battery terminals and winch connections for corrosion or looseness. Clean and tighten as necessary.
- **Winch Body:** Keep the winch clean from dirt, mud, and debris. The IP68 rating provides protection against water

and dust, but regular cleaning is recommended.

- **Lubrication:** Periodically check the gearbox for adequate lubrication. Refer to a qualified service technician for internal lubrication if needed.
- **Remote Controls:** For the wireless remote, check and replace batteries as needed (LR03(AAA) 1.5V).

7. TROUBLESHOOTING

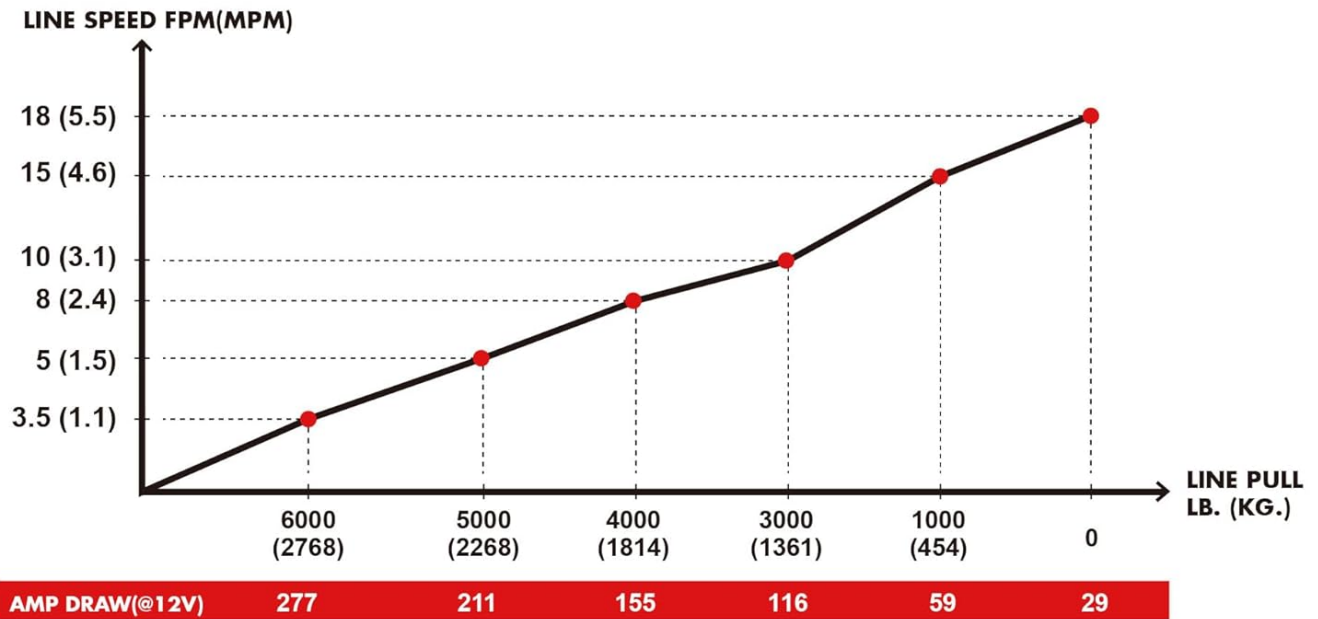
If you encounter issues with your winch, refer to the following common troubleshooting steps.

Problem	Possible Cause	Solution
Winch does not operate.	No power to winch; Loose electrical connections; Dead remote battery.	Check battery connections and ensure they are tight. Verify battery charge. Replace wireless remote batteries.
Winch operates slowly or with reduced power.	Low battery voltage; Overloaded winch; Corroded connections.	Charge vehicle battery. Reduce load on winch. Clean and tighten electrical connections.
Rope does not spool evenly.	Operating at extreme angles; Rope not under tension during spooling.	Ensure the rope is spooled under light tension. Avoid extreme angles during recovery.
Winch makes unusual noises.	Internal gear damage; Lack of lubrication.	Discontinue use immediately. Contact X-BULL customer support for assistance.

8. SPECIFICATIONS

Feature	Specification
Model	USAM-XBEW005
Rated Line Pull	6000 lbs (2721 kg)
Motor	1.9 HP
Gear System	3-Stage Planetary
Gear Ratio	226:1
Rope Type	Synthetic Rope
Rope Dimensions	1/4 inch x 55 feet (6.35 mm x 16.76 m)
Fairlead	Aluminium Hawse
Braking Action	Automatic
Waterproof Rating	IP68
Product Dimensions	17.5 x 10.4 x 11.2 inches (44.45 x 26.42 x 28.45 cm)
Item Weight	29.6 pounds (13.43 kg)

WINCH LINE PULL CAPACITY PERFORMANCE



ROLLING LOAD CAPACITIES (1ST LAYER)

SLORE*	LBS.	KGS.
10%(4.5°)	30,151	13,676
20%(9°)	20,408	9,257
40%(18°)	12,931	5,865
60%(27°)	9,983	4,528
100%(45°)	7,740	3,511

*SLOPE: A ONE (1') RISE OVER TEN (10') FEET IN LENGTH EQUALS A GRADE OF 10%. A 10% GRADE IS EQUAL TO A 4.5° INCLINE ANGLE. THEREFORE A 100% GRADE EQUALS A 45° ANGLE OF INCLINE.

Image 8.1: Detailed product dimensions of the X-BULL 6000lbs winch and its components.



Image 8.2: Performance chart detailing winch line speed (FPM/MPM) versus line pull (LB./KG.) and rolling load capacities for various slopes.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please contact X-BULL customer service. Keep your purchase receipt as proof of purchase.

You can typically find contact information on the X-BULL official website or through your retailer.