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Anbull 6000 LBS

Anbull 12V Electric Winch 6000 LBS (2.7T) - User Manual

Model: 6000 LBS Orange | Part Number: TXY6000-A

1. Introduction and Safety Information

Thank you for choosing the Anbull 12V Electric Winch. This manual provides essential information for the safe operation, installation, and maintenance of your winch. Please read it thoroughly before use.

General Safety Warnings:

- Always wear appropriate personal protective equipment (PPE) such as gloves and eye protection when operating the winch.
- Never exceed the rated capacity of the winch.
- Ensure the winch is securely mounted to a stable surface capable of withstanding the pulling force.
- Keep hands and clothing clear of the rope, hook, and fairlead during operation.
- Avoid prolonged high-load operation to prevent overheating. Allow the winch to cool down between heavy pulls.
- Do not use the winch for lifting people or for overhead lifting applications.
- Disconnect power to the winch when not in use or during maintenance.
- The winch is rated IP68 for water and dust resistance, but avoid submerging the control box or motor unnecessarily.



Image: The Anbull Electric Winch is designed for robust off-road recovery, shown here mounted on an ATV in challenging terrain.

2. Package Contents

Verify that all items are present in your package:

- Anbull 12V Electric Winch with Synthetic Rope
- Wired Remote Control (1 unit)
- Wireless Remote Control (1 unit)
- Mounting Hardware (Bolts, Nuts, Washers)
- Spring Plate
- Mounting Plate
- Rubber Stopper
- Pulley Block with Hook
- Heavy Duty Hook
- User Manual (this document)
- CR2032 Battery (for wireless remote, pre-installed or included)



Image: Detailed view of all components and accessories included with the winch, along with key dimensions.

3. Setup and Installation

The Anbull winch is designed for simplified installation. Follow these steps carefully:

1. **Mounting:** Securely attach the winch to a suitable mounting surface on your ATV, UTV, or boat trailer using the provided mounting plate and hardware. Ensure the mounting location is strong enough to handle the maximum pulling force.
2. **Electrical Connection:** The updated winch design requires simple wiring. Connect the positive (+) terminal of the winch directly to the positive terminal of your 12V battery and the negative (-) terminal of the winch to the negative terminal of your battery. Ensure connections are tight and corrosion-free.
3. **Rope Installation:** The synthetic rope comes pre-installed. Ensure it is properly spooled onto the drum.
4. **Remote Control Pairing (Wireless):** The wireless remote control requires pairing. Press the "in" and "out" buttons on the wireless remote simultaneously for approximately 5 seconds until the indicator light flashes. This indicates successful pairing. The wired remote is plug-and-play.



Image: The winch installed on a boat trailer, demonstrating the use of both wired and wireless remote controls for convenience.

4. Operating Instructions

Before operating, ensure all safety precautions are understood and followed.

Basic Operation:

1. **Unspooling the Rope:** To unspool the synthetic rope, disengage the clutch (usually a lever on the winch) and manually pull the rope to the desired anchor point. Re-engage the clutch before beginning to winch.
2. **Connecting to Load:** Securely attach the heavy-duty hook to the load or a suitable anchor point. Ensure the hook's safety latch is closed.
3. **Winching In:** Use either the wired or wireless remote control. Press the "IN" button to retract the rope and pull the load. Maintain a safe distance from the winch and rope during operation.
4. **Winching Out:** Press the "OUT" button to extend the rope. This is typically used for controlled release of tension or to position the rope.
5. **Monitoring:** Continuously monitor the rope, hook, and load during winching. Stop immediately if you observe

any issues.

6. **Overload Protection:** The winch is equipped with a motor designed for heavy-duty use. However, avoid continuous high-load operation. If the winch motor slows significantly or sounds strained, pause operation to prevent overheating.

Using a Pulley Block:

The included pulley block can be used to double the pulling force or to change the direction of pull. Refer to the diagram below for examples.

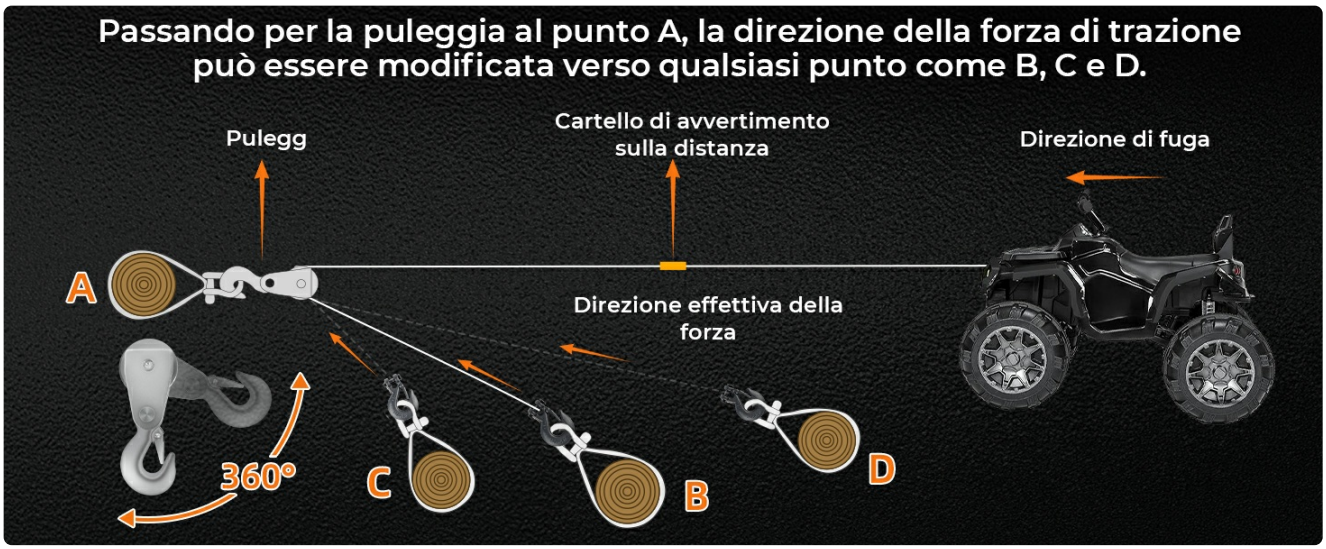


Image: This diagram shows how a pulley block can be used at point A to redirect the pulling force to points B, C, or D, offering versatility in recovery scenarios.

Synthetic Rope Advantages:

The synthetic rope is 8 times lighter and 15 times stronger than steel wire. It resists kinking, deformation, and rust, and does not produce dangerous wire fragments. It also floats on water, making it suitable for aquatic recoveries.



Image: The synthetic rope floats on water and minimizes whiplash risk if it breaks, enhancing safety during water recoveries.

5. Maintenance

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

- **Rope Inspection:** Regularly inspect the synthetic rope for signs of wear, fraying, cuts, or damage. Replace

the rope if any damage is found.

- **Electrical Connections:** Check battery terminals and winch connections for tightness and corrosion. Clean as necessary.
- **Mounting Hardware:** Periodically check all mounting bolts and nuts to ensure they are secure.
- **Cleaning:** After use, especially in muddy or wet conditions, clean the winch with fresh water and allow it to dry thoroughly. Avoid high-pressure washing directly on electrical components.
- **Lubrication:** The internal gears are factory-lubricated. Do not attempt to disassemble the winch for lubrication unless you are a qualified technician.
- **Remote Control Batteries:** Replace the CR2032 battery in the wireless remote control when its range decreases or it stops functioning.

6. Troubleshooting

Problem	Possible Cause	Solution
Winch does not operate	No power; loose electrical connections; remote control battery dead/unpaired; clutch disengaged.	Check battery connections; ensure remote is paired and has power; engage clutch.
Winch operates slowly or with reduced power	Low battery voltage; overloaded winch; motor overheating.	Charge battery; reduce load; allow winch to cool down.
Wireless remote not working	Battery dead; remote unpaired.	Replace CR2032 battery; re-pair remote (press "in" and "out" simultaneously for 5 seconds).
Rope is damaged or frayed	Wear and tear; improper use.	Replace synthetic rope immediately. Do not use damaged rope.

7. Specifications

Feature	Specification
Rated Line Pull	6000 LBS (2722 Kg)
Motor	1.9 HP / 1.4 kW, 12V DC, All-Copper, Series Wound
Gear Train	3-Stage Planetary Gear
Gear Ratio	226:1
Clutch	Sliding Ring Gear
Rope Type	Synthetic Rope
Rope Dimensions	6.3 mm x 16.8 m
No-Load Line Speed	5.5 m/min
Full-Load Line Speed	1.1 m/min
Waterproof Rating	IP68

Feature	Specification
Remote Control Range	20 m (Wireless)
Product Dimensions (L x W x H)	44.5 x 26.5 x 28.5 cm
Item Weight	14.1 kg
Battery for Wireless Remote	1 x CR2032 (included)



Image: Internal component diagram highlighting the pure copper motor and other key features.

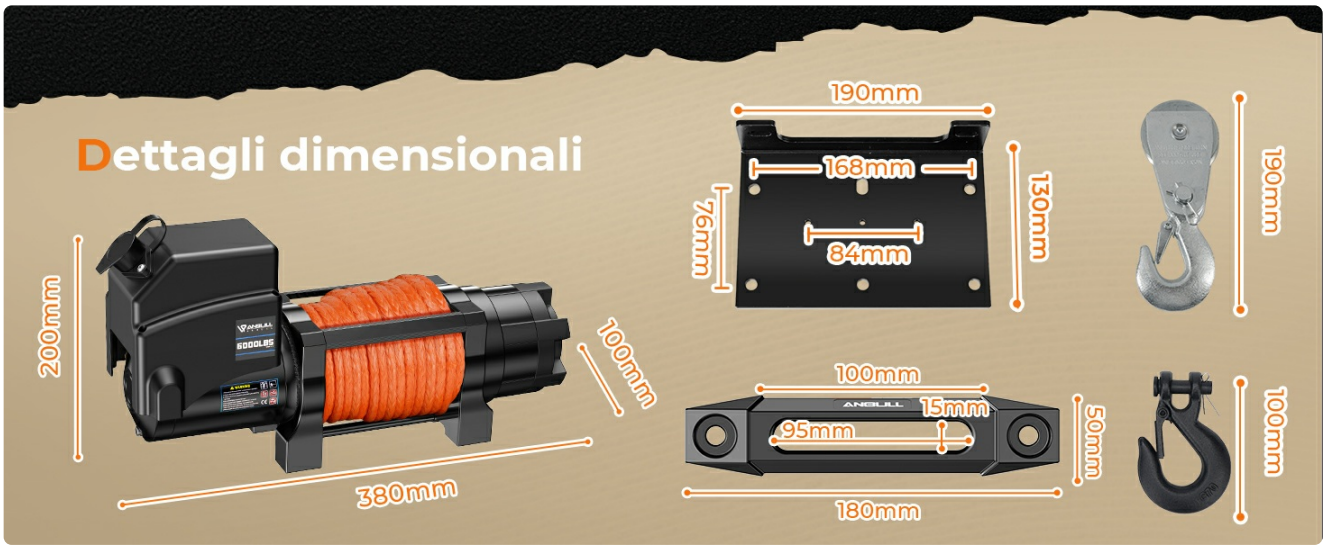


Image: Dimensional details of the winch unit, fairlead, and hook, providing precise measurements.

8. Warranty and Support

Anbull products are manufactured to high-quality standards. For warranty information, technical support, or to inquire about replacement parts, please contact the seller or manufacturer directly. Keep your purchase receipt as proof of purchase.
For remote control issues, replacements can be arranged. Please contact customer service.

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