

X-POWER 2 IN 1 WIRELESS REMOTE OPERATION MANUAL

X-POWER 2 IN 1 wireless remote is one control system integrating wire control switch and remote control switch. The control system is used to control power in and power out of X-POWER winches.

- A. Press the START button of remote, then the remote can control the winch operation;
 - B. Plug in the Wire Control Switch to connect with control box, then you can control the winch operation through Wire Control Switch.
- ◆ Remote range up to 66 ft.
 - ◆ Visual signal indicator.
 - ◆ Charging with USB C port, support fast charge.
 - ◆ Flashlight up to 200Lumens.
 - ◆ Vehicle battery voltage detection.
 - ◆ OLI function for winch.
 - ◆ Control function for fairlead LED light.

WARNING: This remote is special designed for X-POWER winch. The remote should not be used on hoist or winches for industrial applications, include commercial car haulers/carriers, wrecker, crane, etc.

Technical Parameter:

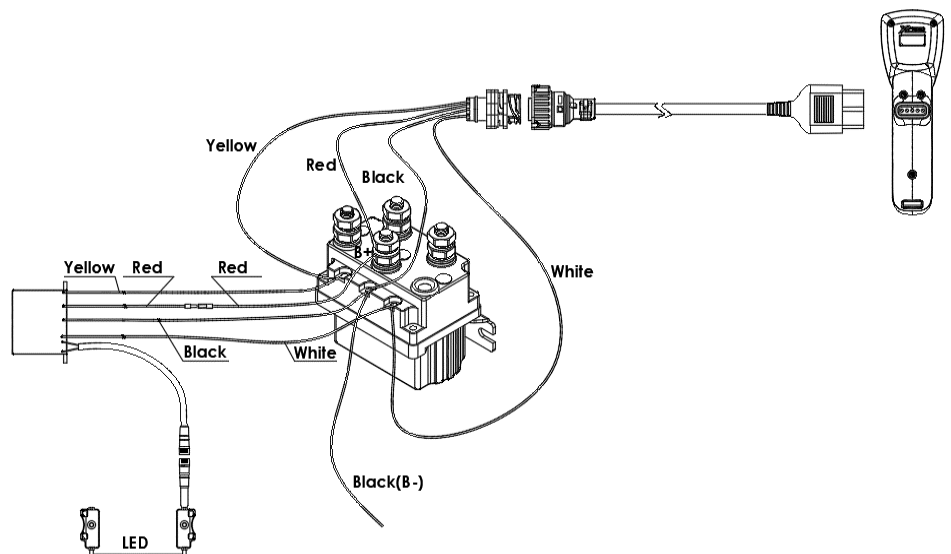
1. Power: Vehicle power supply 12V for Receiver, Lithium battery 3.7V for Transmitter.
2. Transmission frequency: 2.4G two-way communication.
3. Ambient temperature: $-20^{\circ}\text{C} \sim +80^{\circ}\text{C}$.
4. Waterproof: IP67.
5. Remote control distance: 66 feet.
6. Encoding: Learning code.
7. Adaptive voltage: 12V.
8. Transmitter: The transmitter turns off automatically without using it for five minutes.
9. Transmitter low power alarm: When the transmitter power is less than 30%, **Yellow indicator light will flash.**

Parts List:

- Remote wireless transmitter: 1 PC.
- Remote receiver: 1 PC.
- USB data line: 1 PC.
- Socket connection wire: 1 PC.

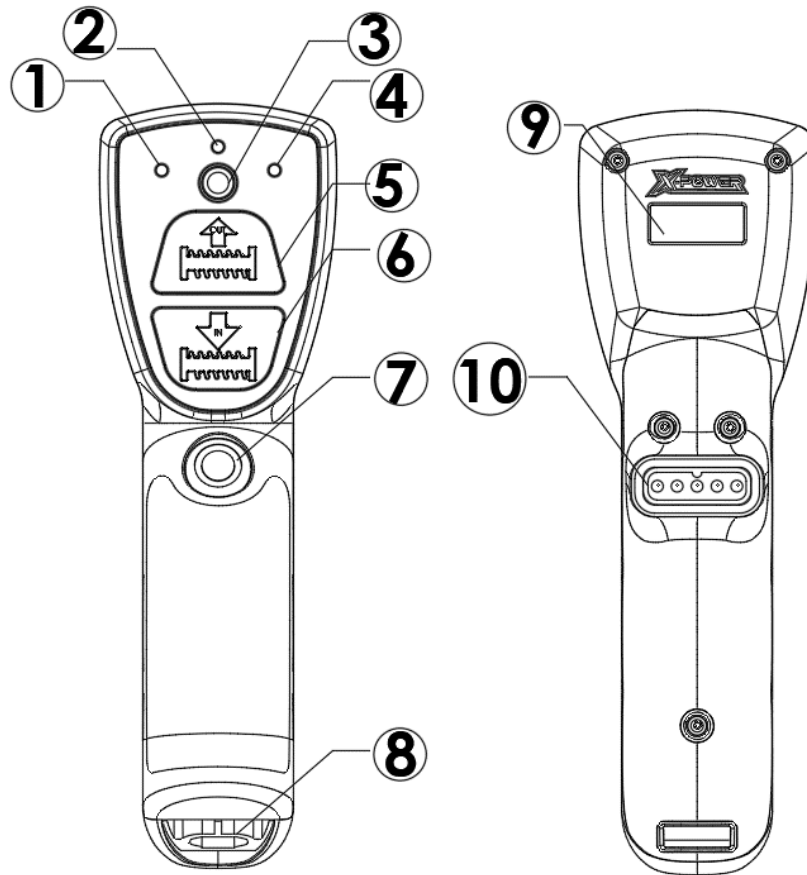
Installation and Connection instruction:

The remote can be installed inside control box. Please connect the wire as below connection drawing (Picture 1).



(Picture 1)

Function Instruction:



- (1) OLI protection Indicator (Red): Illuminates when winch protection activated (Truck Winch only)
- (2) Power Indicator: It shows Power on status and signal strength of remote control status (Blue indicator).
- (3) Button for Wireless operation: press the button to active wireless control
- (4) Low voltage indicator (Yellow): When the vehicle voltage is lower than 10.8V, indicator will flash. (Truck Winch only).
- (5) Button for Power-Out
- (6) Button for Power-In
- (7) Flashlight button: Press the button, then flashlight will be on. Flashlight will be off automatically if without usage for five minutes.
- (8) USB C charging port
- (9) Flashlight
- (10) Cord Socket connector

Operation Instruction:

Connect the winch with vehicle power supply per winch manual.

Wireless status: Press (3) START button, Blue indicator will flash, and then blue indicator is always on. That means the remote communication is completed, and you can operate winch by the remote normally.

Connect the winch with vehicle power supply per winch manual.

Wired status: The plug is inserted to the socket of transmitter; the other end is inserted to the socket of winch control box. And you can control the winch by wired remote.

Remote Encoding:

Turn on the remote transmitter; Press IN/OUT button together (all indicators flash at the same time), and the remote connect to winch power. Keep 3 seconds, till the blue indicator is always on. Then encoding is completed.

Trouble shooting:

1. The power indicator (Blue) of remote flashing during operation;
 - (A) The signal is too weak. Change to wired remote to operate the winch.
 - (B) The wire is not connected well. Check if the wire connection is loose.
2. The OLI indicator (Red) flashing during operation;
 - (A) The winch is over rated load. Reduce load on winch with different rigging of rope.
3. The Voltage indicator (Yellow) flashing during operation.
 - (A) The Vehicle battery voltage is too low. Allow the vehicle charging system to recharge to protect battery.
 - (B) Vehicle battery is not large enough to support winch capacity. Reduce load on winch with different rigging of rope or add additional battery capacity.

Comments:

1. The transmitter cannot be operated during charging.
2. Transmitter is not intended for exposure to outdoors environment for long periods of time.

Federal Communications Commission (FCC) Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference.
- 2) This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.