

# 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 82 ft.
  - ◆ Visual signal indicator.
  - ◆ Charging with USB C port.
  - ◆ Flashlight up to 200LM.
  - ◆ 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:

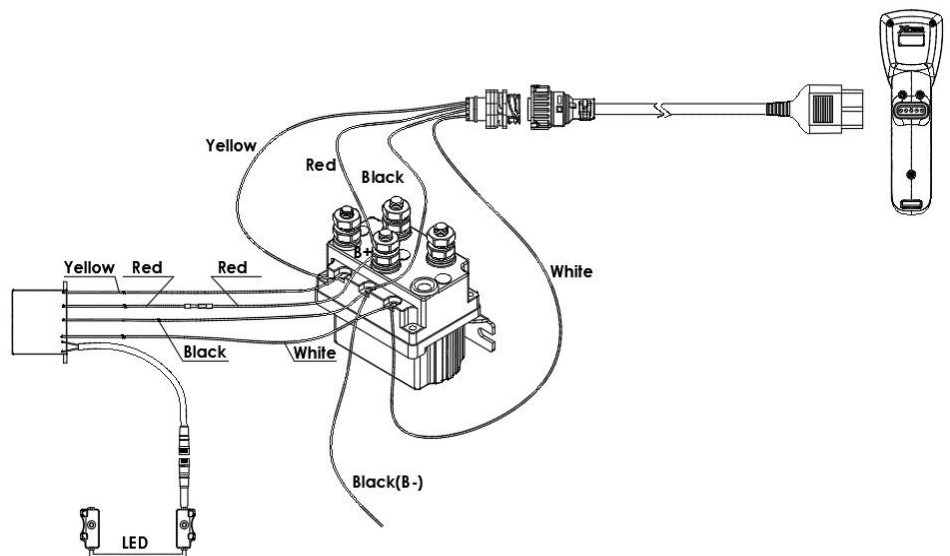
1. Power: Vehicle power supply 12V for Receiver, Lithium battery 3.7V for Transmitter.
2. Transmission frequency: 433MHz.
3. Ambient temperature: -20°C ~ + 80°C.
4. Waterproof: IP65.
5. Remote control distance: 82 feet.
6. Encoding: Learning code.
7. Adaptive voltage: 12V.
8. Transmitter: The transmitter turns off automatically without using it for ten minutes.
9. Transmitter low power alarm: When the transmitter battery voltage is below 3.4V, Blue indicator light will flash.

## Parts List:

- Remote wireless transmitter: 1 PC.
- Remote receiver: 1 PC.
- USB-C data line: 1 PC.
- Handle switch harness: 1 PC.

## Installation and Connection instruction:

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



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, and (2) this device must accept any interference received, including interference that may cause undesired operation

NOTE: 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.

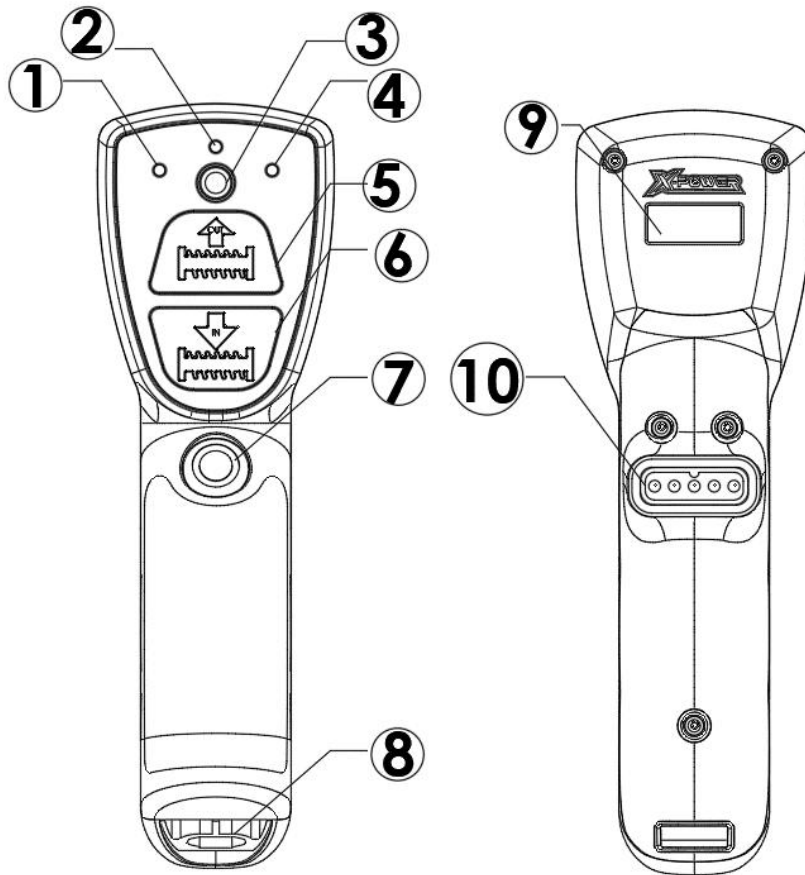
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 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.

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

(Picture 1)

Function Instruction:



- (1) Green indicator-Power-In.
- (2) Power Indicator: It shows Power on status and battery power.
- (3) On/off button: long press 3 seconds to turn on/off the remote.
- (4) Green indicator-Power-Out.
- (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) wire remote socket interface (for charging the transmitter when wire remote)

Operation Instruction:

Connect the winch with vehicle power supply per winch manual.

Wireless status: Long press the on/off button for 3 seconds, the blue power indicator lights up. 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;  
Low battery: it is recommended that the winch be operated by wire remote or that the transmitter be charged.
2. The blue LED of the remote transmitter lights up under the wire remote state;  
The transmitter is not in the wire remote state and still in wire remote model.
  - a. The wiring harness of the handle switch is wrong, replace the wiring harness.
  - b. The wiring harness of the handle switch is not properly connected to the remote and the control pack or the connection is not fastened in place.

#### Comments:

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