

# Electric winch wireless controller instructions

## A, Features Overview

This wireless remote control firing frequency of 314-316MHz, the control range of more than 20 meters, used in electric winch wireless control.

## B, The wireless remote control parameters

- 1, Working voltage: DC3V, 2 pcs CR2032 battery.
- 2, The working current: 35mA ± 5mA
- 3, Transmitting frequency: 314-316MHz
- 4, The transmit power: <10dBm
- 5, Standby current: <5uA



## C, Using

The remote controller have 3 keys. Press and hold the "ON/OFF" button more than 3 seconds, the remote powered on, while the LED indicator lights. Then press the key of "Extend" or "Retract", it will trigger 315 MHz high frequency FSK modulation unit to transmit the address code and key value. The high-frequency signal emitted by the antenna. When the remote control has been powered on, press and hold the "ON/OFF" button more than 3 seconds, the remote control is turned off, while LED is off. If there is no key operation within 50 seconds, it will automatically shut down.

## D, Installation and function

- 1, Disconnect Power to the winch

- 2,Confirm that the plug is the correct type for this winch and plug it in
- 3.Select an area for the receiver on the vehicle close enough to the winch to allow cable connection
- 4.Investigate the chosen area to make sure no components will be damaged by installation.
- 5.Permanently (optional) mount the remote control receiver to the vehicle using appropriate hardware (not included).
- 6.Preare the winch for operation as explained in its manual
- 7.Reconnect winch's power
- 8.Release the clutch handle and pull out about 10 feet of wire rope Leave the wire rope laying on the ground and stay clear of the wire rope and hook
- 9.Reengage the clutch handle
- 10.Watch the spool and wire rope and briefly, press the "Extend" button on the remote control to verify that the cable feeds out

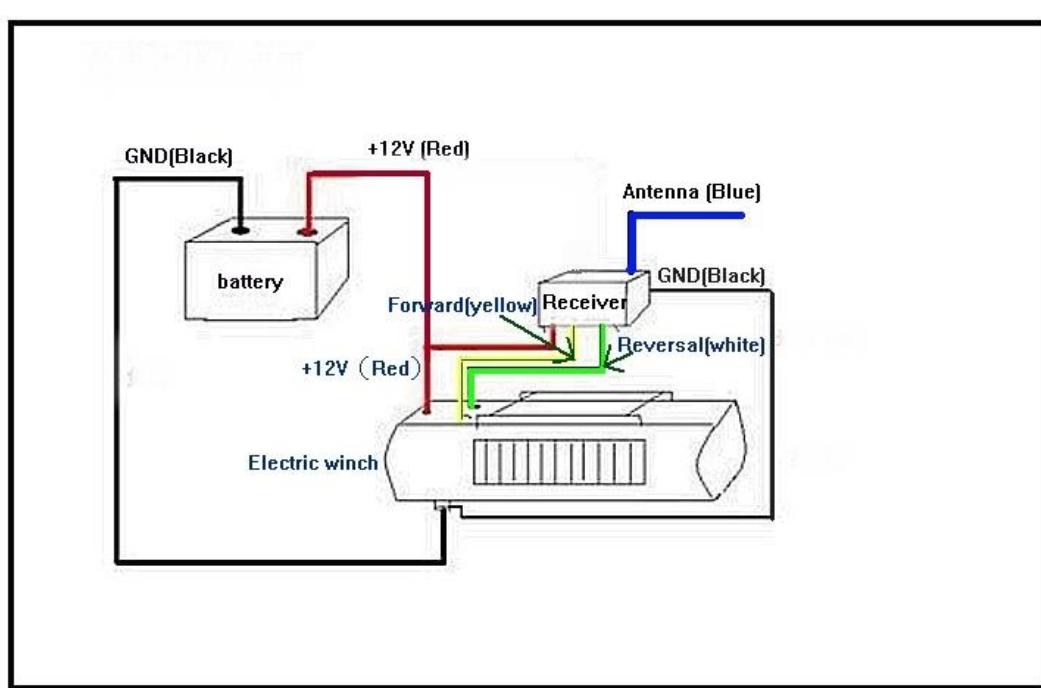
**WARNING!** If the cable does not feed out ,check and correct the winch's wiring. Retest after correction.

- 11.Watch the spool and wire rope and briefly press the "Retract" button on the remote control to verify that the cable retracts

**WARNING!** If the cable does not feed out ,check and correct the winch's wiring .Retest BOTH functions after correction.

- 12.If the remote operates the winch properly, it is ready for use.
- 13.After use, disconnect control box from winch to prevent accidental operation

## E, Wiring diagram



## F,WARNING!

### To prevent serious injury

1. Disconnect control box from winch before service and after every use.

**WINCH CAN OPERATE SUDDENLY AT ANY TIME WHILE CONNECTED.**

2. Stand clear of winch, fairlead, and wire rope while connected. Keep bystanders away.
3. Only operate controls when winch and entire wire rope is within view.
4. Use with vehicle mounted recovery winches only. Do not use for any other application.
5. Confirm control box mounting location has no wire or components that can be damaged during drilling.
6. Read winch manual before use.

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.

FCC warning:

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

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.