

# Wireless remote

## 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, 1 pcs CR2032 battery.
- 2, Transmitting frequency: 314-16MHz
- 3, The transmit power: <10dBm
- 4, Standby current: <5uA



## C, Using

1. The device is a Wireless remote control
  2. The chip CMT2219A acts as FSK transmitter, the crystal oscillator is 26MHz
  3. The remote control is mainly composed of four parts: keys, FSK modulation unit, microcontroller, and an antenna.
- It has 2 key buttons. Press and hold both button more than 3 seconds, the remote powered on, while the LED indicator lights. Then press and hold on the key of "DOWN" or "UP", it will trigger high frequency FSK modulation unit to transmit the ID code and key value. The high-frequency signal emitted by the antenna. When the remote control has been powered on, press and hold the both 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.

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.