

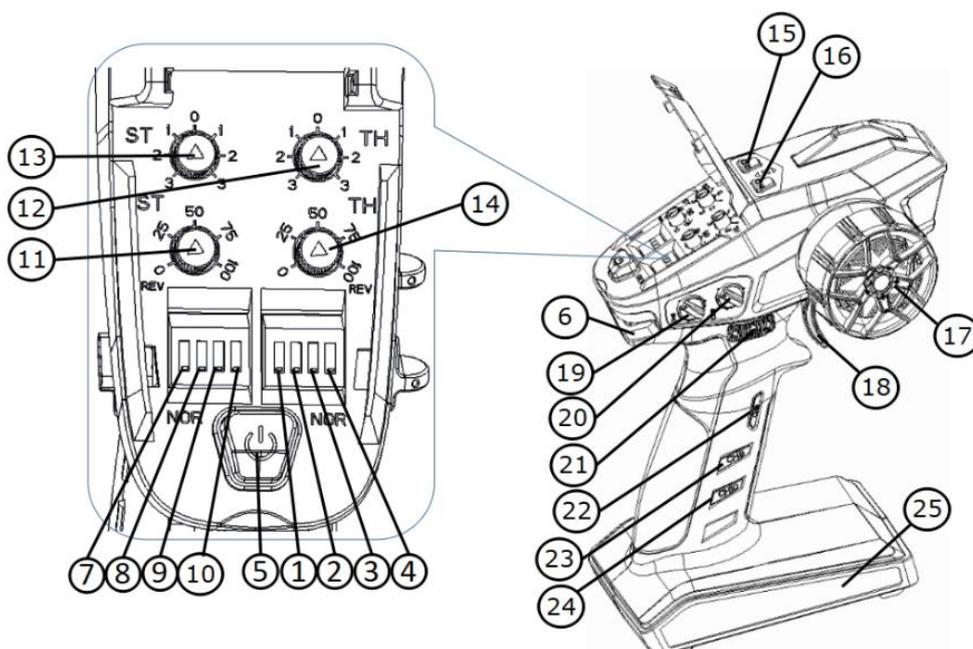
DUMBO-X10P



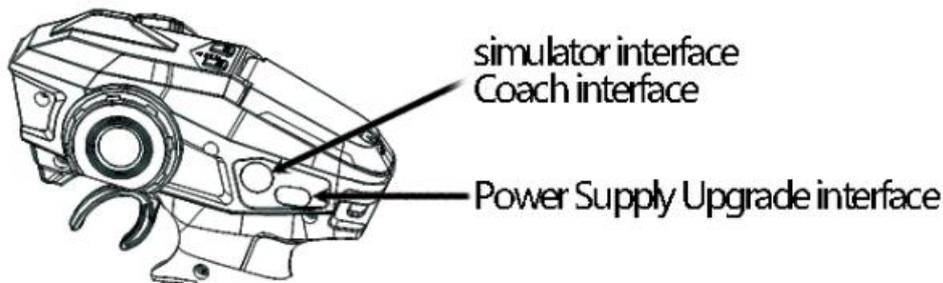
Features:

- > 2.4G frequency expansion technology, FHSS 67 channel pseudo-random frequency hopping, super anti-interference, full digital is not out of control and not dead;
- > Support 1,2 channel mixed control, 3,4 mixed control, mixed control setting is more convenient, not easy to accidentally touch;
- > 1,2 potentiometer signal; 3,4,9,10 self-locked key signal; 5,6 potentiometer signal (and gyroscope sense adjustment), 7,3 section switch, 8 point moving button signal;
- > All channels can independently set the positive and reverse direction and stroke size settings;
- > The receiver integrates gyroscope (optional) to ensure that the model goes straight line and prevent tail swing and rollover. Support for sensitivity adjustment;
- > Unique throttle speed limit adjustment function, so that beginners in a safe speed under the fast entry practice;
- > Debug 3,4 channel can see the change of steering gear, enter the setting mode needs to set which channel can be set separately, other unchanged;
- > After accidentally entering the setting, 5 seconds will automatically exit, and the memory will not be lost, can also be normal control;
- > Remote control voltage range: 4.8-12V, automatic recognition voltage, 3-segment low-voltage alarm 4.4V|7.4V|10.8V;
- > Receiver voltage range: 4.8-10V, working current 30mA, support high voltage steering gear;
- > With a voltage return receiver, with on-board voltage return function;
- > High cost performance, suitable for cars, ships, tanks, with brakes, out of control protection function.
- > Switch the machine flash music, automatic power off alarm for 12 minutes, 15 minutes shut down 0 current;
- > Hand wheel 30 degrees oblique Angle, ergonomic, one-hand accessories optional installation;
- > A receiver with a coach interface version is optional.

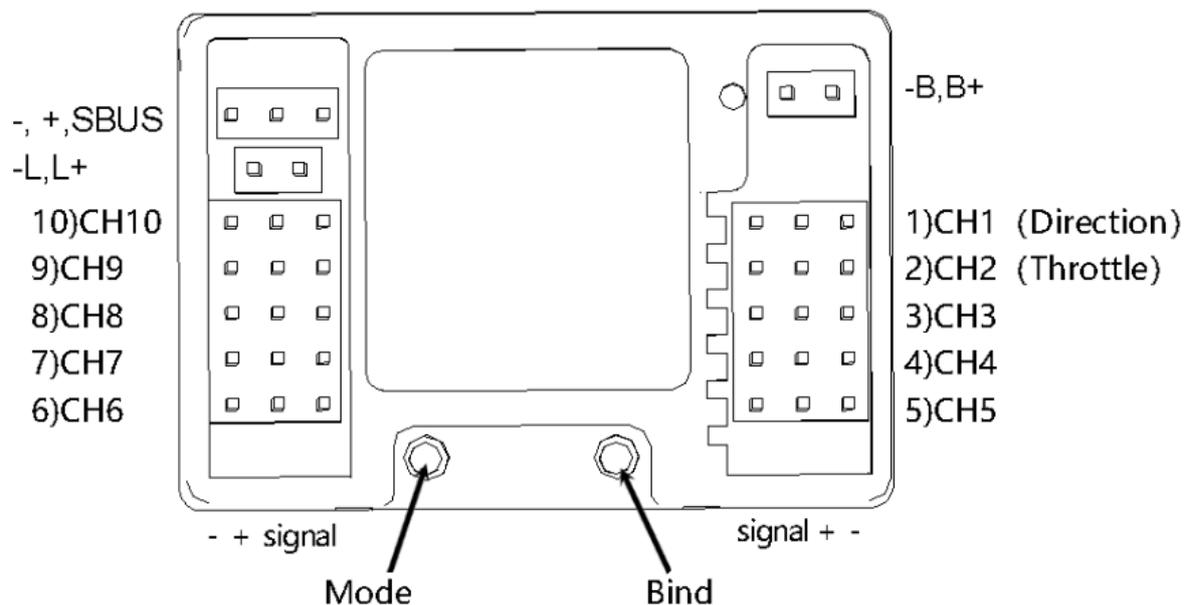
Channel function



- 1) 1 Positive and reverse switch 2) 2 positive and reverse switch 3) 3 positive and reverse switch 4) 4 positive and reverse switch 5) power switch 6) hanging rope hole 7) 7 positive and reverse switch 8) 8 positive and reverse switch
 9) 9 On positive and reverse switch 10) 10 on positive and reverse switch 11) steering rudder knob 12) throttle median fine tuning
 13) Steering median fine tuning 14) throttle knob 15) 3 channel 16) 4 channel 17) Steering wheel (1) 18) Throttle / brake (2) 19) 5 channel 20) 6 channel 21) 7 channel 22) 8channel 23) 9 channel 24) 10 channel 25) Battery compartment



Receiver function

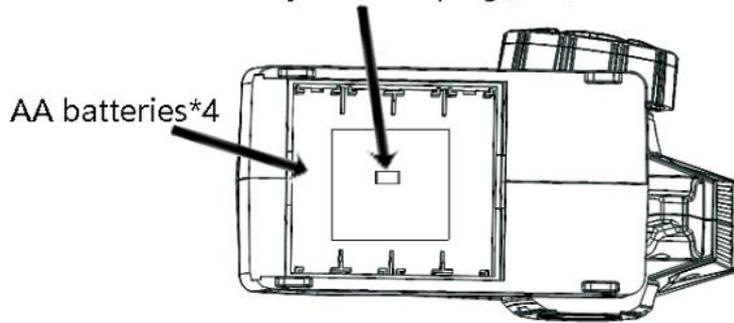


Basic operation

> Battery installation

1. Open the battery compartment cover;
2. Install 4 no. 5 AA batteries into the battery compartment to ensure that the metal terminal on the battery meets the metal terminal in the battery compartment;
3. Or insert the lithium battery of the JST head into the external battery interface of the battery compartment;
4. Cover the battery hatch cover.

Lithium battery with JST plug(7.4v)

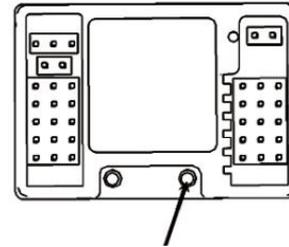


The battery socket is equipped with anti-reverse insertion function, wrong polarity connection will not burn the transmitter.

uses 4 AA batteries or 7.4V Li-Po batteries

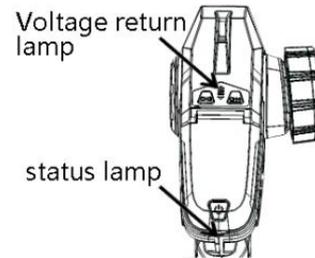
> To the code

Start the remote control first, and hold down the receiver above the pair code key for 3 seconds, the indicator light flash indicates e Code mode, the receiver automatically looks for the nearest remote signal, after on after on on the on.



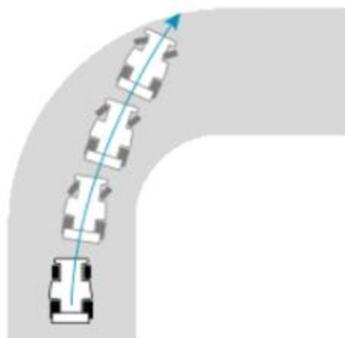
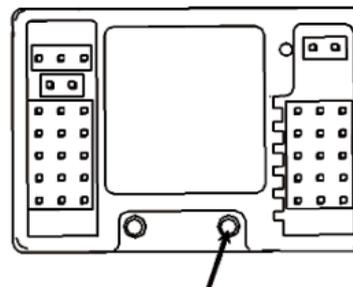
>LED lamp

State light: the vehicle general steering gear control direction
 Mode blue light is often on, mixed control tank mode control side
 The red light is always on, and the low pressure alarm indicator is on
 And out, enter the menu setting mode indicator flashing.
 Voltage return light: 3 green lights, 1
 Red lights, instead of 100%, 75%, 50%, respectively
 25% Power, only on a receiver with voltage return.

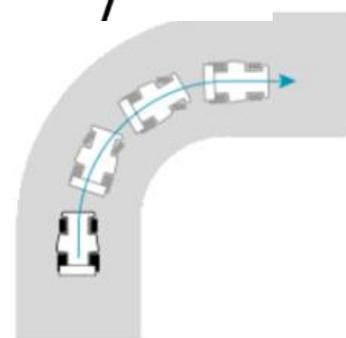


> receiver

With the gyro receiver, quickly press 3 times to enter the gyro mode
 Switch with the normal mode, quickly press 2 times to adjust the
 Adjust the gyroscope sensation through the 5-channel knob (normal
 Color indicator always on, gyro mode purple indicator always on)
 The 5-channel knob adjusts the switch without using the gyro function,
 When, can do a separate channel control use.



W/O Gyro

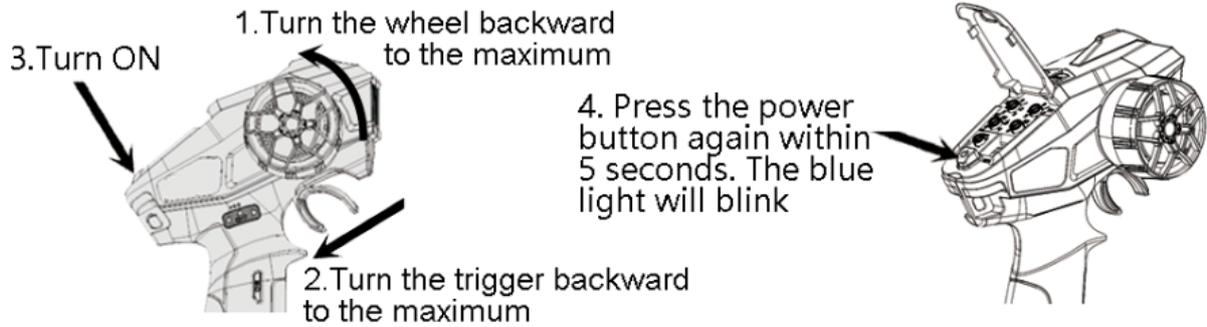


With Gyro

Menu Settings

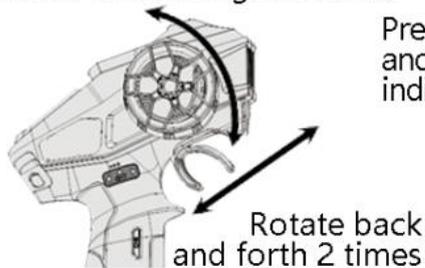
> Enter Settings

一、 Press the hand wheel and the button machine back to the maximum, press the power button to start up with a sound prompt, release the hand wheel and the button, press the power button within 5 seconds, the blue power supply light flash to enter the setting mode.



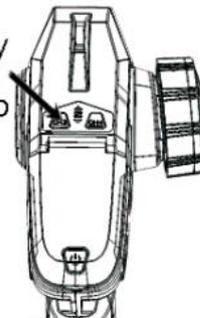
The direction of the wheel of the 1 is twisted 2-3 times, and the throttle buckle of the 2 is turned back and forth 2-3 times, at this time, the 1 and 2 calibration is completed. Press 3 keys 3 on the light at the same time, by twist 1 stroke knob set to the desired trip, then press 4 button 4 lights at the same time, and again twist 1 stroke button set to the desired trip, complete 3,4 calibration, set and then press the power button to confirm with sound prompt, to this we completed the 1-4 travel calibration.

Rotate left and right 2 times



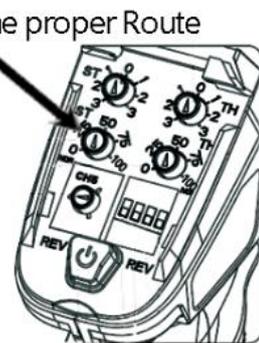
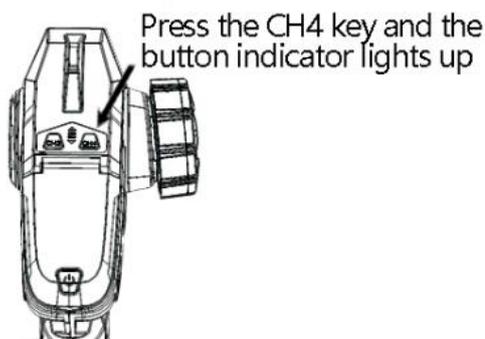
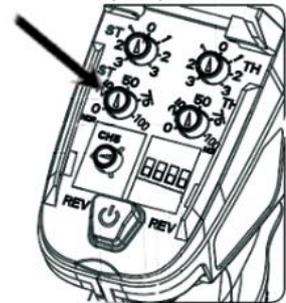
CH1、CH2 Route Setting

Press the CH3 key and the button indicator lights up



CH3 Route Setting

Screw to the proper Route



CH4 Route Setting

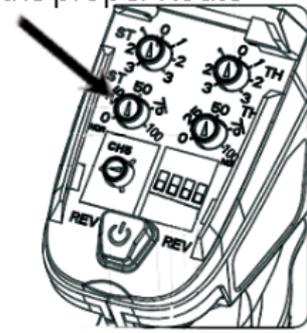
The 5 and 6 passes are knob signals, with the default maximum 100% travel. We introduce the 7 stroke separately later, 8-10 according to the above method, in the setting state, press the corresponding channel key, the corresponding channel indicator will light on, and then set through the desired stroke knob, press the power button to confirm and accompanied by sound prompt to complete.

7 Pass is a three-stage switch, with 3 states, each state can be set a separate stroke



Dial to the middle and then to the left to activate the CH7 setting

Screw to the proper Route

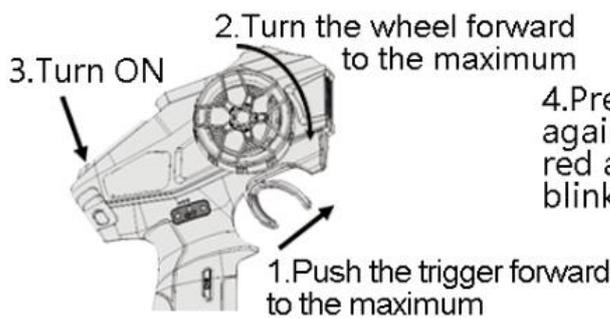


0-100% route can be set for each state

The 7 pass switch dials to the middle and then back to activate the 7 channel stroke setting. First dial to the far left, and set the desired stroke through the 1-pass stroke knob (0-100% anywhere). Then switch to the middle, set the stroke of the middle gear, and set the desired stroke through the 1-pass stroke knob (0-100% anywhere). Then dial the switch to the far right, set the stroke at the right gear, and set the desired stroke through the 1-pass stroke knob (0-100% anywhere). Finally, press the power key to save the settings or skip the power key before setting up other channels.

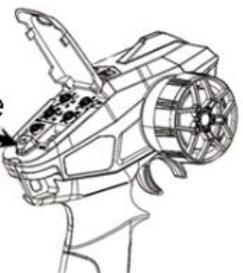
Mode switch

Hand wheel and buckle machine forward at the same time to the maximum, long press the power button to start and accompanied by a sound prompt, the red and blue indicator light will flash, release the hand wheel and buckle machine, and then press the power button to enter the mode switch within 5 seconds. The buckle machine plays forward to the maximum, and then the buckle back to the maximum, and switch to the corresponding mode (red mixed control, blue ordinary mode), so that it has completed the 1,2 mixed control setting. If only 1 and 2 hybrid controls are required, press the power button to confirm that the mode switch is completed.

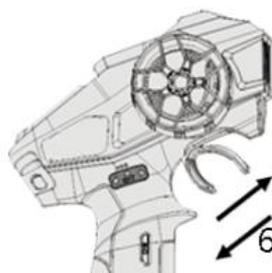


(一)

4. Press the power button again within 5 seconds, the red and blue lights will blink alternately

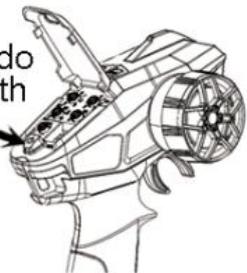


(二)



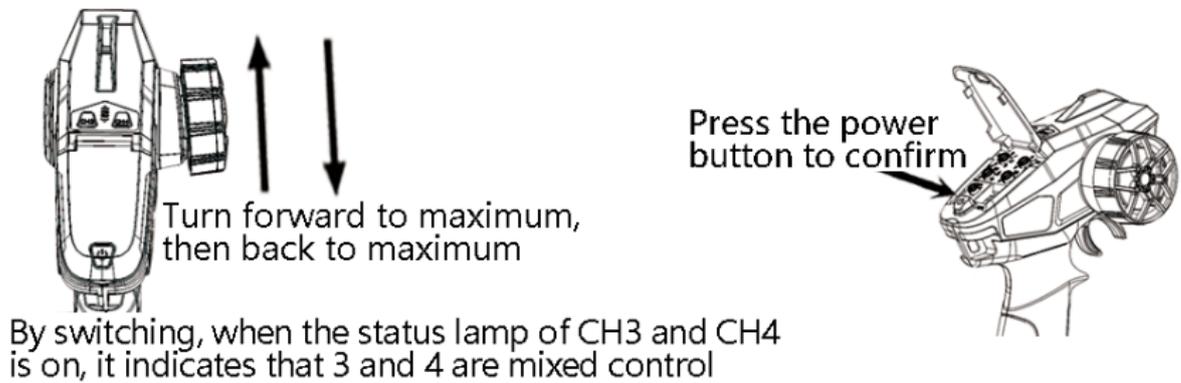
(三)

7. If you only need to set CH1 and CH2, press the power button; otherwise, do not press and continue with the following Settings



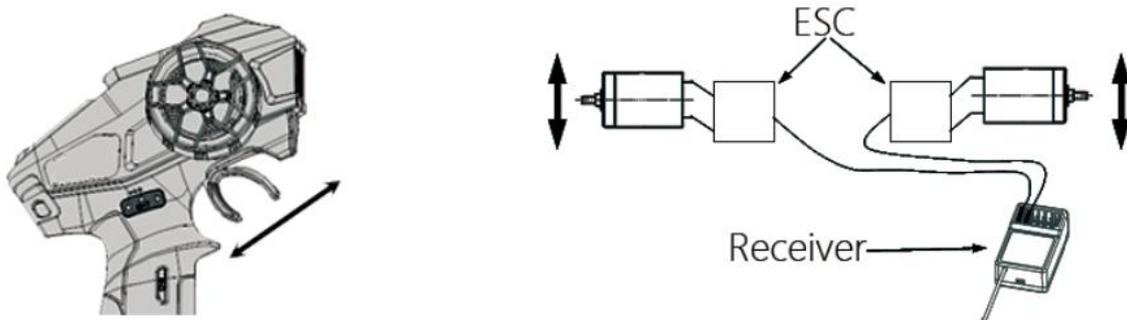
(四)

If you want to 3,4 hybrid control operation, do not press the power button, in the condition of state lights continue to flash, the hand wheel forward to the maximum back to the maximum switch, when 3 pass 4 indicator lights out 3 pass 4 for ordinary mode, when 3 pass 4 indicator light on, 3 pass 4 for mixed control, then press the power button to confirm the mode switch is completed, 3 pass 4 mixed control unadjustable stroke.

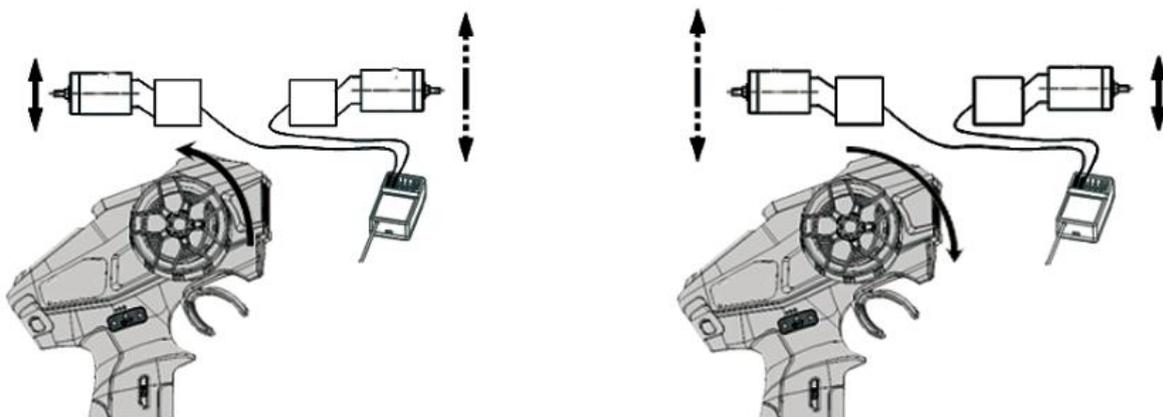


Mixed mode:

The two electric signal lines are connected to the one and two channels of the receiver. In the mixed control mode, the front and rear buttons control the two motors front and back at the same time, and the positive and reverse of the motors can be set through the two positive and reverse switches on the control panel.



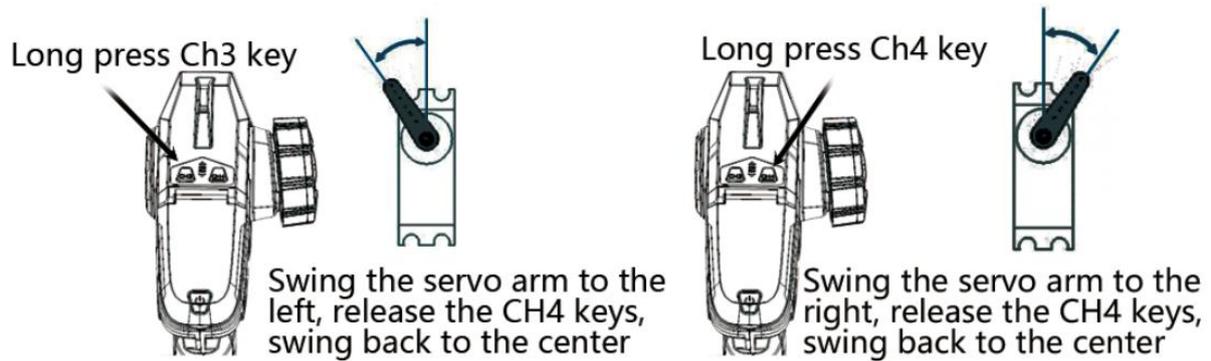
In the hybrid control mode, the model moves forward at a certain speed. At this time, turning the 1-way hand wheel can adjust the speed of the two motors to achieve differential steering.



In hybrid control mode, the 1 and 2 pass positive and negative direction, neutral point and motor stroke amount on the panel can be set separately as those in normal mode.

Ch3 and ch4 mixed mode

In the mixed control mode, CH3 and CH4 are the click signals. Press the button, the button status light is on, and the channel has a signal output. Release the button, the button indicator light is off, and the channel will output the neutral point signal.



By mixing the CH3, CH4 signals together, output from the receiver's CH3 (the CH4 signal is the same as the CH3) port, that is, pressing the forward, stop, reverse operation, for the control of the steering gear, winch, tank barrel, turret and other elements.

In the mixed control mode, 3 passes and 4 passes can not adjust the stroke and positive and reverse direction. The default is 50% stroke, which already meets the speed of most motor control elements (winch, turret).

FCC Warning Statement

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

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

FCC Radiation Exposure Statement

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



Digital Proportional Radio Control System

<http://www.dumborc.com>

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