DUMBORC-X6 2.4Ghz 6 Channel RC Transmitter with Gyro Inside Receiver User Guide

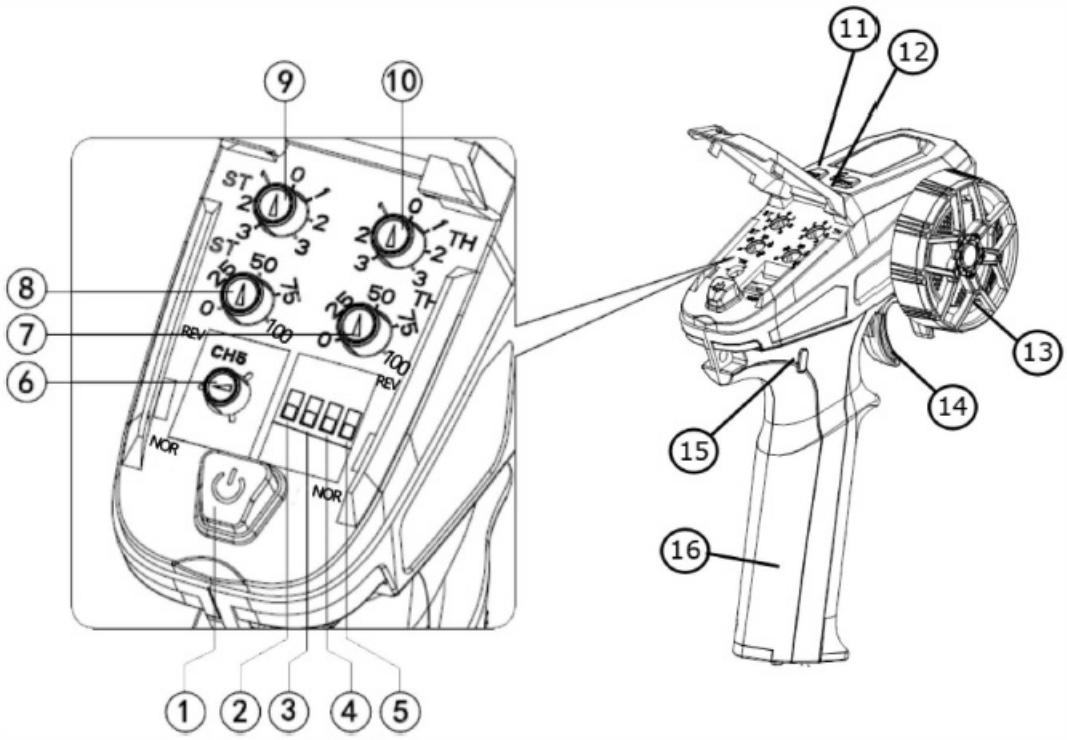
Contents

DUMBORC-X6 2.4Ghz 6 Channel RC Transmitter with Gyro Inside Receiver

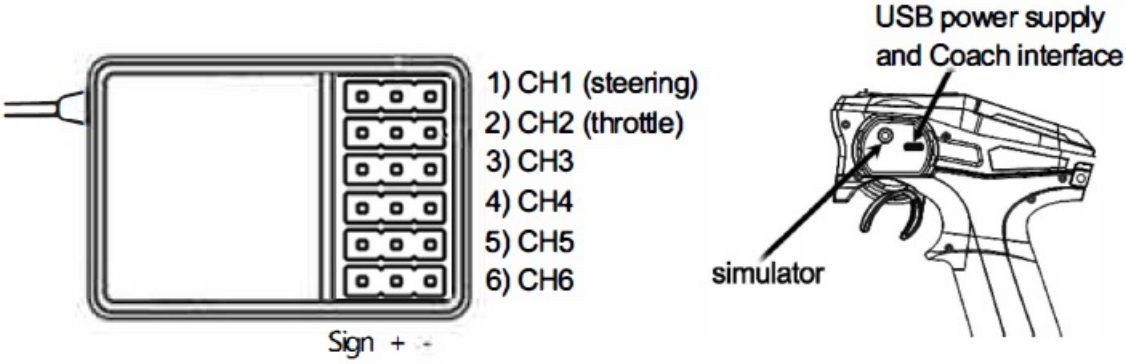
Features

- 2.4G spread spectrum technology, FHSS 67-channel pseudorandom frequency hopping, super anti-interference, the fully digital system ensures without loss of control and anti-jamming;
- Support mixed control of channels 1 and 2, channels 3 and 4, with easier mixed control settings, less prone to accidental touch;
- Independent setting of servo direction and travel for channels 1 to 4 and CH6;
- Receiver-integrated gyroscope (optional), ensures that the model goes straight, and prevents drifting and overturning. Gyro sensitivity is adjustable;
- The unique throttle speed limit adjustment function allows beginners to practice quickly at a safe speed;
- Debugging channels 3 and 4 can observe the servo changes, and you can set the channel you need when entering the setting mode, and the others remain unchanged;
- After accidentally entering the settings mode, it will automatically exit in 5 seconds, the memory will not be lost, and the subsequent control can still be normal;
- Transmitter voltage range: 4.8-12V, with automatic voltage identification alarm in 3 segments, low voltage alarm 4.4Vl7.4Vl10.8V;
- Receiver voltage range: 4.8-10V, operating current 30mA ,support work with high voltage servo;
- Equipped with a voltage return receiver(optional), it supports return the vehicle’s battery voltage;
- Cost-effective, with brakes and fail-safe protection function, suitable for cars, boats, and tanks;
- There will be flashing music when switching on and off, automatic power off and alarm after 12 minutes, and switching off after 15 minutes with no current;
- Receiver with coach interface (optional).

Channel Functions



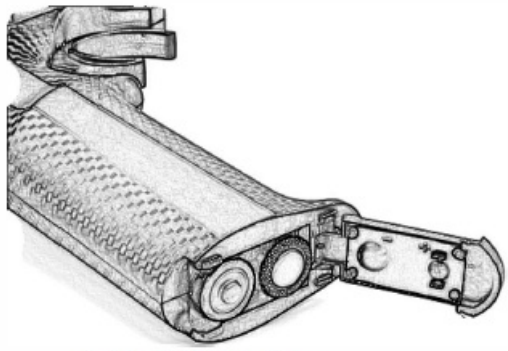
1. Power Switch
2. Reverse for CH 1
3. Reverse for CH2
4. Reverse for CH3
5. Reverse for CH4
6. Ch5(adjust the gyroscope sense)
7. EPA for CH2
8. EPA for CH1
9. Sub-trim for CH1
10. Sub-trim for CH2
11. CH3
12. CH4
13. Steering wheel (CH1)
14. Throttlelbrake (CH2)
15. CH6
16. Battery compartment



Basic Operations

Battery Installation

1. Open the battery compartment cover;
   USB power supply and Coach interface
2. Install four fully charged AA batteries into the battery compartment, ensuring that the metal terminals on the batteries are connected to the metal terminals in the battery compartment;
3. Close the battery compartment cover;

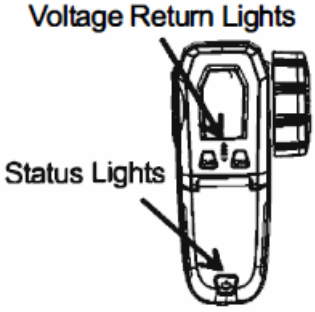


The battery socket is equipped with an anti-reverse plug function, a positive and negative connection reverse will not bum the device.

Binding process:
The transmitter should be turned on first, press and hold the code key of the receiver for 3 seconds, the indicator light will flash to indicate that it enters the code matching mode, and the receiver will automatically look for the nearest remote-control signal, the indicator light will be on after the code matching is successful.

LED Lights

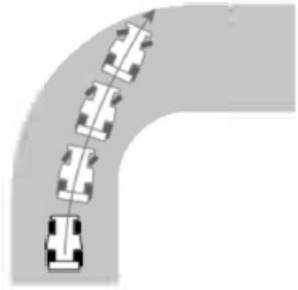
- **Status lights:** blue light is always on for general mode, the red light is always on for mixed mode, the light is alternately on and off for low voltage alarm, and the light flashes when entering the menu setting mode.
- **Voltage return lights:** 3 green lights and 1 red light, indicating 100%, 75%, 50%, and 25% power respectively, only available on receivers support voltage return.



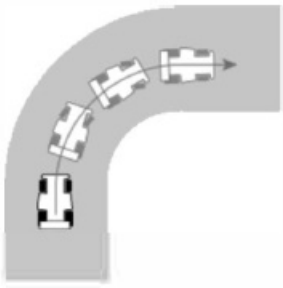
Receiver

Receiver with a gyroscope, fast press the binding button 3 times to switch between gyro mode and normal mode; fast press 2 times to adjust the gyro direction, adjust the gyroscope sensitivity by channel 5 (the green indicator is always on in normal mode, the yellow indicator is always on in gyro mode).

Channel 5 knob can be used as a separate channel control when the gyroscope function is not used.



Without gyroscope

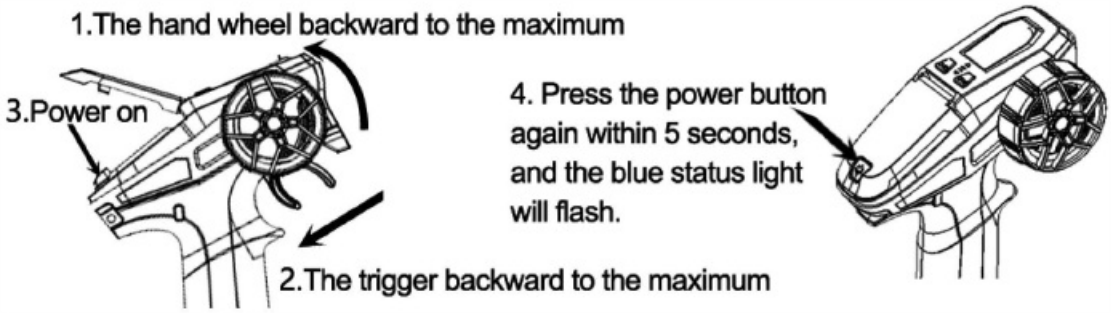


Without gyroscope

Menu Settings

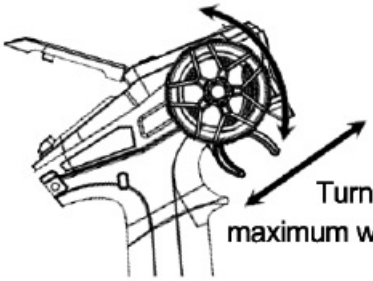
Enter Settings

Tum wheel and trigger backward to the maximum at the same time, long press the power button to tum on the machine with a sound prompt, then release the hand wheel and trigger and press the power button again within 5 seconds. When the blue status light flashes indicating that rt enters the setting mode.

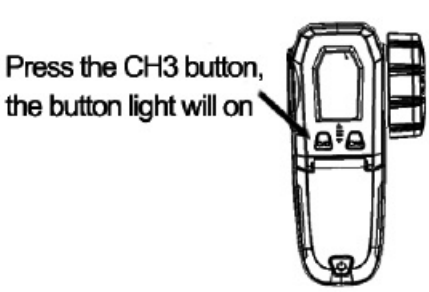


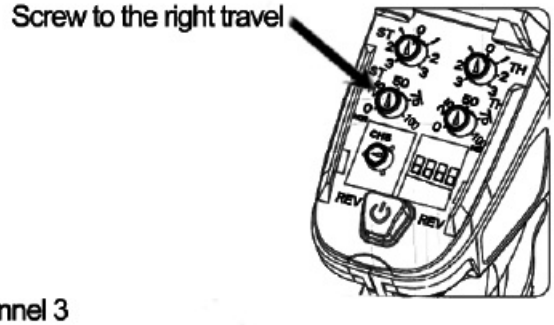
Please screw the directional wheel of CH1 to the left and right 2-3 times with the maximum width, and pull the throttle trigger of CH2 to the front and back 2-3 times with the maximum width, then the calibration of CH1 and 2 is completed. By pressing the button of CH3 with a light on, setting the travel target by screwing the travel knob of CH1, then pressing the button of CH4 with a light on, screwing the travel knob of CH1 again to set the travel target, then the calibration of CH3 and 4 will be completed. After finishing the setting, press the power button again, and please confirm that there is a sound prompt so that the travel calibration of CH1-4 is completed. CHS is knob signals, and the default factory setting is the maximum range. CH6 follows the above method, in the setting state, press the CH6 and the channel indicator will be on, and then set the desired range through the CH1, After setting, press the power button to tum on the machine with a sound prompt.

Tum the hand wheel 2-3 times with the maximum width from left to right

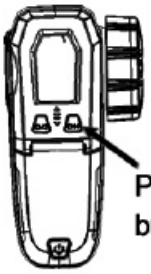


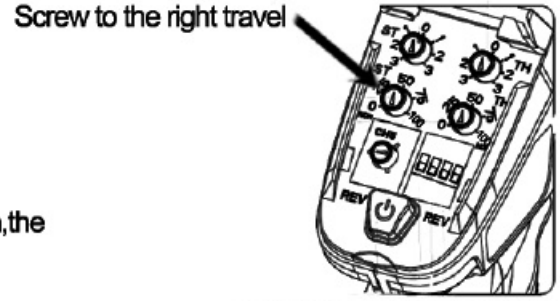
Travel calibration of CH1 and CH2





the travel setting of channel 3

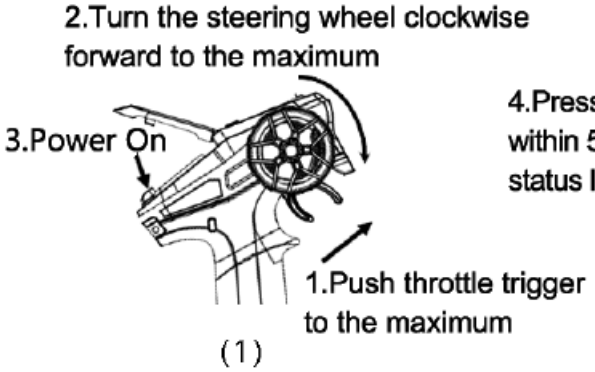




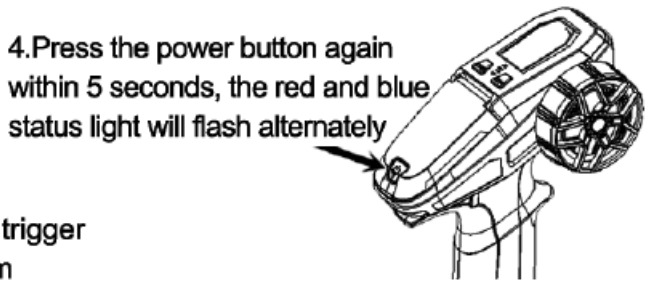
the travel setting of channel 4

Mode Switching

Tum the wheel and trigger forward to the maximum at the same time, and press the power button to tum on the machine with a sound prompt, When the red and blue lights flash alternately, release the steering wheel and trigger and then continue to press the power button within 5 seconds to enter the mode switching. The trigger is pushed forward to the maximum and then hook the trigger back to the maximum, switching to the corresponding mode (red mixed control, blue normal mode). This completes the mixed control settings for CH1 and CH2. If you only need the mixed control of CH1 and CH2, then press the power button to confirm that the mode switch is complete.



(1)



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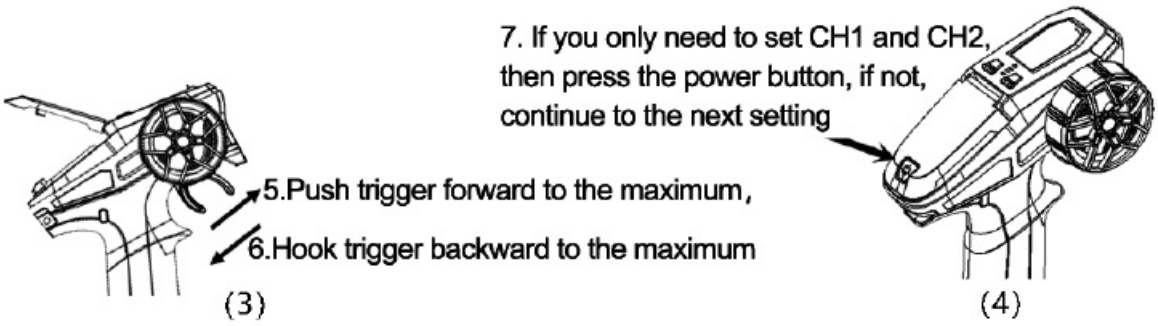
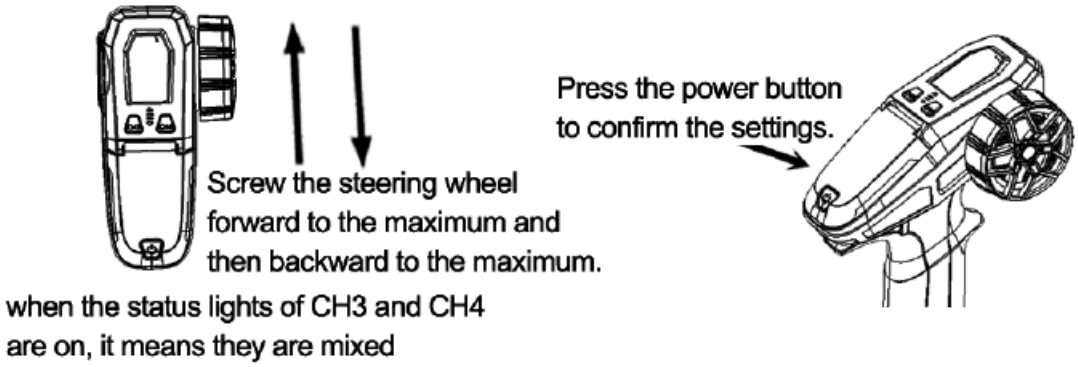
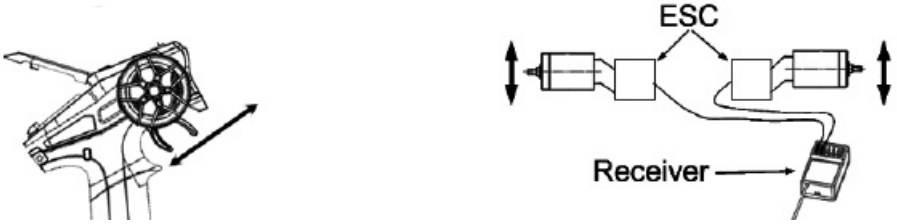


If you want to operate mixed control for channels 3 and 4, do not press the power button. Please screw the steering wheel forward to the maximum and then backward to the maximum to switch while the status light continues to flash. When the indicator lights of channels 3 and 4 are off, they are in normal mode; when the indicator lights of channels 3 and 4 are on, they are in mixed control. After that, then press the power button to confirm that the mode switch is complete, channel 3 and 4 mixed control cannot adjust the positive and negative of the travel.

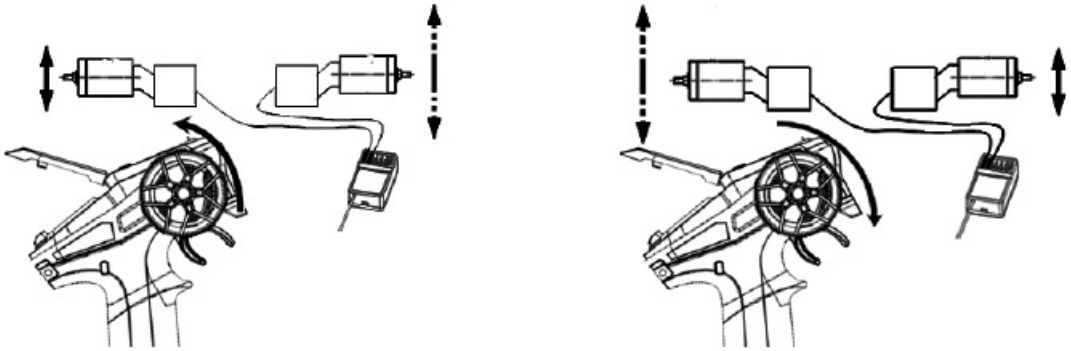


Mixed Control

Connect the two ESC signal lines to Channel 1 and Channel 2 of the receiver. Under the mixed mode, the trigger moves backward and forward to control the rotation of the two motors. The positive and negative rotation of the motor can be set through the two positive and negative switches on the control panel.



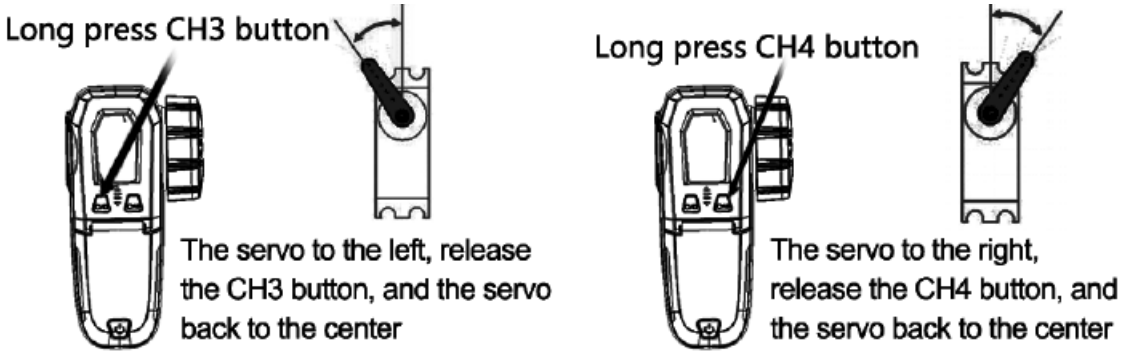
In the mixed mode, the RC model moves forward at a certain speed. At this time, the speed of the two motors can be adjusted by channel 1 directional wheel to realize left and right differential steering.



In the mixed control mode, channel 1 and channel 2 pass forward and reverse direction, neutral point, and motor range can be set separately.

CH3 & CH4 Mixed Control

In the mixed control mode, the CH3 and CH4 are jog signals, press the button, and the button status light will be on, the channel has signal output, release the button, the button indicator will be off, and the channel will output a neutral signal.



By mixing the signals of CH3 and CH4 together and outputting from the CH3 port of the receiver (the signal of CH4 is the same as that of CH3), the forward, stop, and reverse operations can be achieved by pressing the CH3 and CH4 buttons, which are used to control servo, winch, tank barrel, turret, and other components. When CH3 and CH4 are in the mixed control mode, cannot adjust the travel and reverse direction. The default factory setting is 50% range, which is sufficient for the speed of most motor control elements (like a winch, turret, etc).

Due to the firmware upgrade of the remote controller and the addition of new functions, the upgraded content of the product will be revised in the new version of the manual without further notice. For more information, please pay attention to the official website of Dumbo, Tiktok enterprise number, or QQ group.

Digital Proportional Radio Control System
https://www.dumborc.com

Documents / Resources

	DUMBORC DUMBORC-X6 2.4Ghz 6 Channel RC Transmitter with Gyro Inside Receiver [pdf] User Guide DUMBORC-X6 2.4Ghz 6 Channel RC Transmitter with Gyro Inside Receiver, DUMBORC-X6 2.4Ghz, 6 Channel RC Transmitter with Gyro Inside Receiver, with Gyro Inside Receiver, Inside Receiver, Receiver