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› HOTRC DS-600 6CH 2.4GHz RC Transmitter and Receiver Remote Controller User Manual

HOTRC DS-600

HOTRC DS-600 6CH 2.4GHz RC Transmitter and Receiver Remote Controller User Manual

Model: DS-600

1. INTRODUCTION

The HOTRC DS-600 6CH 2.4GHz RC Transmitter and Receiver Remote Controller is designed for precise and reliable control of various RC models, primarily boats. It features a 6-channel system, 2.4GHz stable signal transmission, and an ergonomic design for comfortable single-handed operation. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance and longevity of your device.

HotRC DS600

With LCD screen/voltage return /signal return
remote control contains 1200mah lithium battery,
Can achieve CH1/CH2 mixed control and CH3/CH4 mixed control
CH1.CH2.CH3.CH4.CH5.CH6 Stroke adjustment
Automatic shutdown function/locking function/
loss of control protection function



Figure 1.1: The HOTRC DS-600 remote controller, highlighting its LCD screen, 1200mAh lithium battery, mixed control capabilities, stroke adjustment, automatic shutdown, and loss of control protection functions.

2. SAFETY INFORMATION

- Always operate your RC model in a safe and responsible manner.
- Ensure the transmitter and receiver are fully charged before use.
- Do not operate the RC model near people, animals, or obstacles.
- Avoid exposing the device to extreme temperatures, moisture, or direct sunlight.
- Keep out of reach of children. Recommended age for use is 12 years and up.
- Disconnect the battery from the receiver when not in use to prevent accidental operation.

3. WHAT'S IN THE BOX

- 1 x HOTRC DS-600 6CH 2.4GHz RC Transmitter

- 2 x DS-600 PWM 6 Channel Receivers
- 1 x USB Type-C Charging Cable
- 1 x 1200mAh Rechargeable Lithium Battery (pre-installed in transmitter)
- 1 x Wrist Strap



Figure 3.1: The HOTRC DS-600 transmitter shown alongside two DS-600 PWM 6-channel receivers, illustrating the complete package.

4. PRODUCT OVERVIEW

4.1 Transmitter Components

FUNCTION INTRODUCTION



Figure 4.1: Detailed diagram of the HOTRC DS-600 transmitter, labeling its internal antenna, LCD, CH1/CH2 rocker, power switch, fine adjustment buttons for CH1 and CH2, CH3, CH4, CH5, CH6 buttons, lithium battery compartment, and hanging rope mouth.

- **LCD Screen:** Displays remote control voltage, speed control function status, return signal, return power, lock function, and hybrid control function.
- **CH1/CH2 Rocker:** Controls Channel 1 (direction) and Channel 2 (throttle).
- **Power Switch:** Turns the transmitter on/off.
- **Fine Adjustment Buttons:** Used for precise tuning of Channel 1 direction and Channel 2 throttle.
- **CH3-CH6 Buttons:** Control additional channels for auxiliary functions.
- **OK Speed Key (Cruise Control):** Activates/deactivates constant speed mode.
- **Type-C Charging Port:** For charging the internal lithium battery.

On the LCD screen, you can see the remote control voltage/
speed control function/return signal/return power/
lock function/hybrid control function

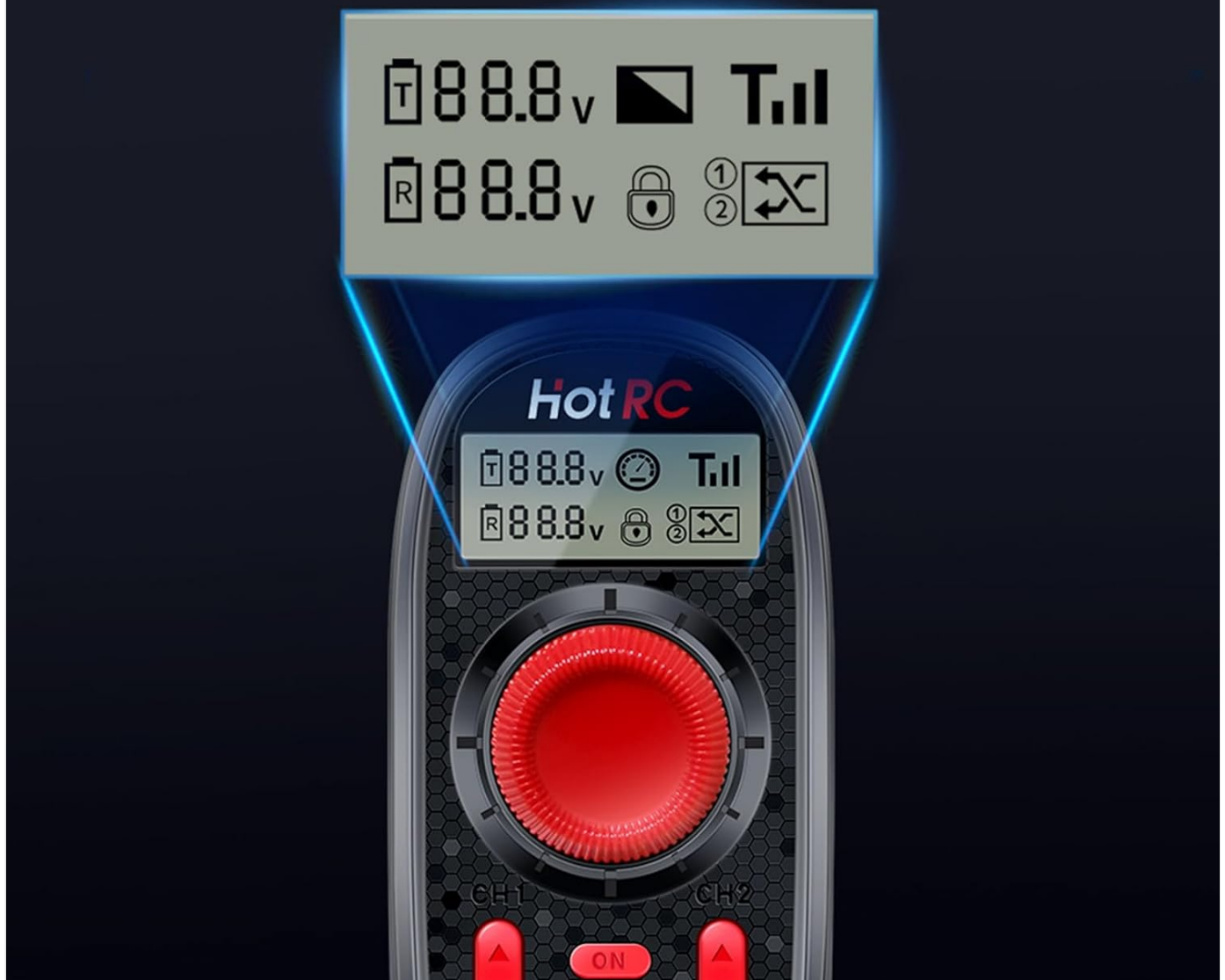


Figure 4.2: Close-up view of the LCD screen on the HOTRC DS-600 remote control, showing indicators for remote control voltage, return voltage, rudder icon, echo signal, lock icon, and mixed control mode.

4.2 Receiver Types

The DS-600 remote control comes with two types of receivers:

- **PWM Receiver:** A commonly used six-channel receiver.
- **[4+2] Receiver:** Controlled by four PWM signals and two high/low level signals. This receiver can be used to control lights (on/off) and functions like a trawl hook for drawing/casting nets.

5. SETUP

5.1 Charging the Transmitter

The transmitter is equipped with a 1200mAh rechargeable lithium battery. To charge, connect the provided USB Type-C cable to the charging port on the transmitter and a suitable USB power source. The red indicator light will flash when charging and remain solid when fully charged. A full charge provides over 10 hours of operation.

It contains a 1200mah rechargeable lithium battery, which can be used for 10-15 hours after being fully charged, Direct charging does not require disassembly.



Figure 5.1: The HOTRC DS-600 transmitter with its Type-C charging port and the internal 1200mAh rechargeable lithium battery, which provides 10-15 hours of use on a full charge.

5.2 Binding the Receiver(s)

The factory default DS-600 remote control is pre-bound. If re-binding is necessary:

1. Ensure both the transmitter and receiver are powered off.
2. Press and hold the binding button on the receiver while powering it on. The receiver's LED will flash rapidly.
3. Turn on the transmitter. The receiver's LED should stop flashing and remain solid, indicating successful binding.
4. Test all channels to confirm proper function.

5.3 Connecting Components

Connect your servos, Electronic Speed Controllers (ESCs), and other components to the corresponding channels on the receiver. Refer to the specific wiring diagrams for your RC model for correct connections.

6. OPERATING

6.1 Basic Controls

- **CH1/CH2 Rocker:** The primary control for direction (CH1) and throttle (CH2). Moving the rocker left/right controls steering, and forward/backward controls speed.
- **Fine Adjustment Buttons:** Use the small up/down arrows next to the joystick to fine-tune the center position of CH1 (direction) and CH2 (throttle).

6.2 Constant Speed (Cruise Control)

To activate constant speed mode, press the

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

How do I adjust the HOTRC DS-600 transmitter to make the motor rotate slower?

To adjust the motor speed or throttle response on your HOTRC DS-600, you can use the following methods based on the manual:Fine Adjustment Buttons: Use the small up/down arrow buttons located next to the...

[Read full answer](#)

Why does the HOTRC DS-600 transmitter turn off after 40 seconds?

The HOTRC DS-600 features an automatic shutdown function designed to save battery life when the device is not in active use. If your transmitter is turning off after a short period, please consider the...

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