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› [HOTRC DS-4A 2.4G 4-Channel Single-Hand RC Radio Transmitter with 4CH Receiver User Manual](#)

**HOTRC DS600**

# HOTRC DS-4A 2.4G 4-Channel Single-Hand RC Radio Transmitter with 4CH Receiver User Manual

## 1. INTRODUCTION

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The HOTRC DS-4A is a 2.4G 4-channel single-hand radio transmitter designed for intuitive control of various remote-controlled models, including cars, boats, drones, and airplanes. This manual provides essential information for setting up, operating, and maintaining your DS-4A transmitter and its accompanying 4CH receiver to ensure optimal performance and longevity.



Image 1.1: The HOTRC DS-4A single-hand radio transmitter shown with its F-04A 4-channel receiver.



Image 1.2: The HOTRC DS-4A transmitter is compatible with a range of RC models, including cars, boats, drones, and airplanes.

## 2. PRODUCT FEATURES

- **Ergonomic Single-Hand Design:** Pistol-grip and steering wheel design for comfortable one-handed operation, ideal for beginners.
- **2.4GHz Stable Signal:** Provides reliable 4-channel control for RC car, boat, drone, and airplane models.
- **Locking Function:** Allows locking of fine-tuning rudder for channels 1 and 2. Activate by pressing and holding the 4-way switch while powering on.
- **High-Quality Construction:** Exquisite pattern design and comfortable hand feel, resistant to sweat.
- **ARM Core 32-bit Chip:** Equipped with an advanced processor for efficient performance.
- **Cruise Control:** Drive at a constant speed, with the ability to increase or decrease speed via the accelerator trigger.
- **Mixed Control Mode:** Supports various control configurations.
- **Single/Two-Way Mode:** Offers flexible control options.
- **Analog/Digital Steering Gear Support:** Compatible with different steering gear types.
- **Out of Control Protection:** Enhances safety during operation.



Image 2.1: Visual representation of the DS-4A's innovative design and rich configuration, highlighting key features.

# EQUIPPED WITH ARM CORE 32-BIT CHIP



Image 2.2: The internal ARM Core 32-bit chip ensures advanced processing capabilities for the transmitter.

## 3. PACKAGE CONTENTS

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Verify that all items are present in your package:

- HOTRC DS-4A Radio Transmitter
- F-04A 4CH Receiver

## 4. SETUP

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### 4.1 Battery Installation (Transmitter)

1. Locate the battery compartment cover on the bottom of the transmitter handle.
2. Slide or unclip the cover to open the compartment.
3. Insert four (4) AA batteries, ensuring correct polarity (+/-).
4. Replace the battery compartment cover securely.



### CH1 direction rocker

Control the left and right directions of vehicles and ships

### CH2 throttle trigger

Control the advance and retreat of products  
Switchable single/two-way

### Battery compartment

It can be powered by 4 No.5 batteries

### Cruise control

Drive at a constant speed with the accelerator  
After the constant speed, the constant speed can be increased or decreased through the accelerator trigger

Image 4.1: The battery compartment is located at the base of the transmitter handle.

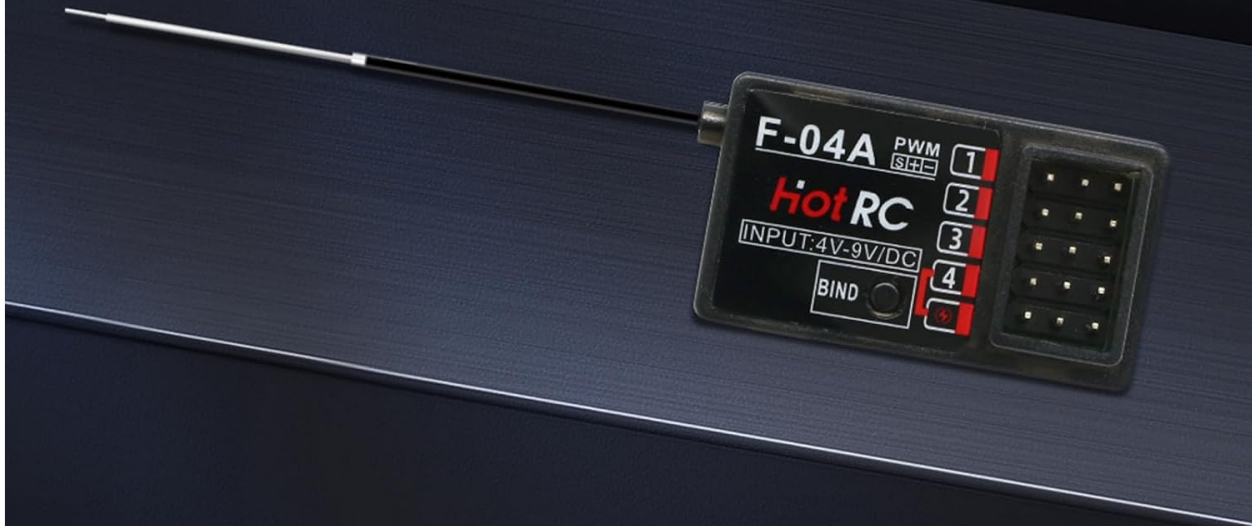
## 4.2 Receiver Binding (F-04A)

To establish communication between the transmitter and receiver, follow these binding steps:

1. Ensure the transmitter is powered off.
2. Connect the receiver to your RC model's power source.
3. Press and hold the 'BIND' button on the F-04A receiver.
4. While holding the 'BIND' button, power on the receiver. The receiver's LED should flash rapidly.
5. Release the 'BIND' button.
6. Power on the HOTRC DS-4A transmitter.
7. The receiver's LED should turn solid, indicating a successful bind.
8. Test the controls to confirm proper functionality.

# STANDARD COLLOCATION RECEIVER

## RECEIVER FUNCTION



- A. The receiver can be set with runaway protection
- B. Four channel double channel double signal 【PWM signal+level signal】
- C. The analog steering gear or digital steering gear can be switched
- D. It supports customization and can be used together with customized product control panel scheme

Image 4.2: The F-04A receiver features a 'BIND' button for pairing with the transmitter.

## 5. OPERATING INSTRUCTIONS

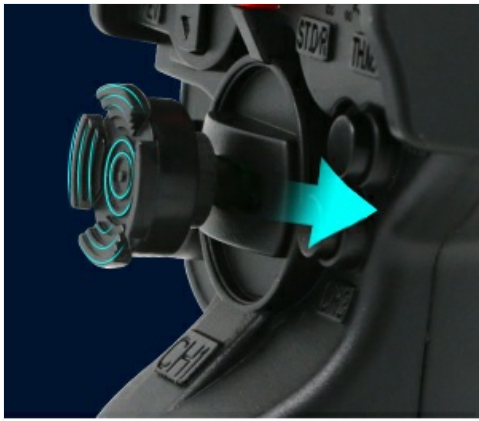
### 5.1 Controls Overview

Familiarize yourself with the main controls of the DS-4A transmitter:



Image 5.1: Comprehensive diagram illustrating all control elements on the DS-4A transmitter.

- **CH1 Direction Rocker:** Controls left and right steering for vehicles and ships.
- **CH2 Throttle Trigger:** Controls forward and reverse movement (throttle). Switchable between single and two-way modes.
- **Speed Button:** Adjusts the speed settings.
- **TRIM Buttons:** Fine-tune steering and throttle.
- **REV Button:** Quickly reverses the throttle direction.
- **ST.D/R (Steering Dual Rate):** Adjusts steering sensitivity.
- **TH.D/R (Throttle Dual Rate):** Adjusts throttle sensitivity.
- **CH3/CH4 Buttons:** Auxiliary channel controls.
- **Power Switch:** Turns the transmitter on/off.
- **Lock Light / Fixed Speed Light / Mixing Light:** Indicators for various functions.



**CH1 direction rocker**

Image 5.2: The CH1 direction rocker provides precise control over steering.



**CH2 throttle trigger**

Image 5.3: The CH2 throttle trigger manages the speed and direction of your RC model.



**Control area display**

Image 5.4: The central control area provides access to various settings and adjustments.

## 5.2 Basic Operation

1. **Power On:** Ensure batteries are installed, then slide the power switch to the 'ON' position.
2. **Steering:** Use the CH1 direction rocker (thumb joystick) to control left and right movement.
3. **Throttle:** Use the CH2 throttle trigger (index finger trigger) to control forward and reverse speed. Pull for forward, push for reverse.
4. **Trimming:** Use the TRIM buttons to make minor adjustments to steering and throttle to ensure the model tracks straight and stops neutrally.

## 5.3 Advanced Functions

- **Locking Function:** To lock the fine-tuning rudder of channels 1 and 2, press and hold the 4-way switch while pressing the power switch during startup. This can be useful for maintaining specific settings.
- **Cruise Control:** Engage cruise control to maintain a constant speed. Adjust the speed using the accelerator trigger after activation.

## 6. MAINTENANCE

- **Cleaning:** Wipe the transmitter and receiver with a soft, dry cloth. Avoid using harsh chemicals or solvents.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures. Remove batteries if storing for extended periods to prevent leakage.
- **Battery Care:** Always use fresh, high-quality AA batteries. Replace all batteries at the same time.
- **Antenna Care:** Ensure the receiver antenna is not bent or damaged. Proper antenna placement is crucial for signal range and reliability.

## 7. TROUBLESHOOTING

- **No Power:** Check battery installation and ensure batteries are fresh. Verify the power switch is in the 'ON' position.
- **No Control/Intermittent Control:** Re-bind the transmitter and receiver (refer to Section 4.2). Ensure the receiver antenna is properly positioned and undamaged. Check for interference from other 2.4GHz devices.
- **Model Not Responding to Steering/Throttle:** Verify trim settings are neutral. Check that the correct channels are assigned and functioning. Inspect servo connections on the receiver.
- **Short Range:** Ensure both transmitter and receiver antennas are fully extended and unobstructed. Check for environmental interference.
- **Unwanted Beeping:** Some users report the startup/shutdown beeps as annoying. This is a normal function of the device and cannot be disabled through standard user settings.

## 8. SPECIFICATIONS

<b>Product Dimensions</b>	3 x 2 x 5 inches
<b>Item Weight</b>	7.8 ounces
<b>Item Model Number</b>	DS600
<b>Manufacturer Recommended Age</b>	15 years and up
<b>Batteries</b>	4x AA (not included)
<b>Channels</b>	4
<b>Frequency</b>	2.4Ghz

## 9. WARRANTY AND SUPPORT

Specific warranty details and direct support contact information are not provided in the product's available documentation. For warranty claims or technical assistance, please refer to the retailer or the manufacturer's official website if available.

