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Radiolink T8S

Radiolink T8S FHSS 8CH RC Handle Transmitter User Manual

Model: T8S

INTRODUCTION

This manual provides comprehensive instructions for the Radiolink T8S FHSS 8-channel RC Handle Transmitter. It covers product features, specifications, setup procedures, operation guidelines, and maintenance tips to ensure optimal performance and longevity of your device. Please read this manual thoroughly before using the transmitter.



Image: Front view of the Radiolink T8S FHSS 8-channel RC Handle Transmitter, showcasing its ergonomic design and dual joysticks.

KEY FEATURES

- **Excellent Anti-interference:** FHSS 67CH pseudo random frequency hopping for stable remote control up to 2000 meters in

air. Supports SBUS, PPM, and PWM output with 3ms response for 8 channels.

- **Ergonomic Design:** Compact size and suitable weight with removable joysticks for comfortable, extended use.
- **USB Charging and Low Consumption:** Built-in 1S 800mAh lithium battery, rechargeable via USB. Provides approximately 5 hours of operation on a full charge.
- **Multiple Model Support:** Compatible with fixed-wing aircraft, gliders, multicopters, RC cars, and boats. Works with R6FG, R6F, R7FG, R8EF, and R8FM mini receivers. This package includes R8FM and R8EF receivers.
- **App Setup and USB Upgrade:** Parameters can be configured and modified using an Android App. USB port allows for firmware upgrades and new function additions.

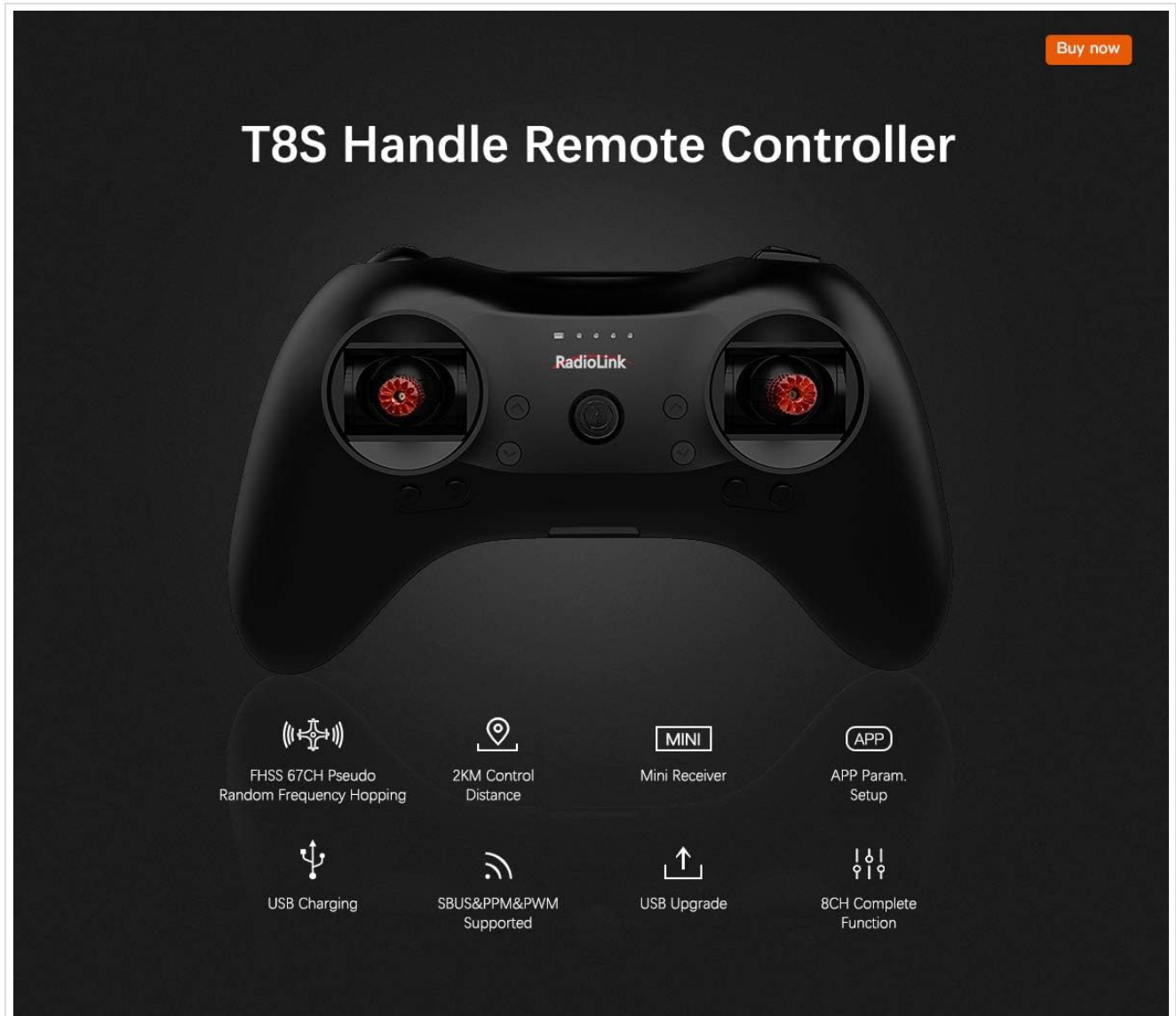


Image: An overview graphic highlighting key features of the T8S transmitter, including FHSS, 2KM control distance, mini receiver compatibility, app parameter setup, USB charging, SBUS/PPM/PWM support, USB upgrade, and 8-channel functionality.

PACKAGE CONTENTS

The standard package includes the following items:

- 1 * T8S Transmitter
- 1 * R8EF / R8FM / MINI Receiver (Optional, specific model included as per purchase)
- 1 * USB Cable

TECHNICAL SPECIFICATIONS

T8S Transmitter

Operating Voltage: 4.2V

Operating Current: <150(±5)mA

Built-in Battery: 1S 800mAh Lithium Battery

Working Time: Approximately 5 hours

Dimensions: 162.5 * 95.5 * 57mm

Weight: 142g

Supported Receivers: R8EF, R8FM, R7FG, R7F, R6FG, R6F

R8EF Receiver

Channels: 8CH

Operating Voltage: Max 10V

Operating Current: 19-25mA (input 5V)

Dimensions: 48.5 * 21 * 11mm

Weight: 7g

Section Precision: 4096

Signal Output: S-BUS, PPM, and PWM

R8FM Receiver

Channels: 8CH

Working Voltage: 4.8-6V

Working Current: 30mA (input 5V)

Dimensions: 16.0 * 21.5 * 1.0MM

Weight: 2.5g

Section Precision: 2048

Signal Output: S-BUS, PPM

SBUS/PPM/PWM Supported

The 8-channel receiver R8EF accompanied supports FUTABA S-BUS connector and PPM output and realizes the flight controller single line input and lightens the total weight of the whole aircraft. When outputting the SBUS and PPM signals, Channel 3 to 8 can also output corresponding PWM signal at the same time and work with the T8S toggle-switch to control PTZ and landing gear. With the T8S in hand to have all functions, R/C fans can fully enjoy with fun!



TURBO PDX



Mini PDX



F4



CS360



Mini Receiver

The latest 8-channel mini receiver R8EF/R8FM with the extreme light weight 2.5g supports dual signal output SBUS and PWM. Light, fast and simple connection, okay!

Image: Close-up view of the R8EF and R8FM mini receivers, illustrating their compact size and connection points.

SETUP GUIDE

1. Battery Charging

The T8S transmitter features a built-in 1S 800mAh lithium battery. To charge the battery, connect the transmitter to a computer or a mobile charger using the provided USB cable. The green battery indicator will flash when the voltage is below 3.7V, signaling a low battery alarm.



USB Charging

The built-in 1S 800mAh lithium battery can be directly charged by computer or mobile charger with a USB cable. When the voltage is less than 3.7V, the green battery indicator will flash with Dee sound as an alarm.

Image: Close-up of the Radiolink T8S transmitter's top, showing the USB charging port.

2. Receiver Binding (Matching Code)

Follow these steps to bind your receiver (R8EF/R8FM) with the T8S transmitter:

1. Place the transmitter and the receiver within 1 meter of each other.
2. Turn on the transmitter, then supply power to the receiver.
3. Connect CH3 (for R8EF/R8FM) to the Electronic Speed Controller (ESC).
4. Locate the black button near the antenna on the receiver. Press and hold the ID SET switch for one second, then release it. The receiver light will begin blinking, indicating it is attempting to bind automatically.

Once the binding process is complete, the receiver light will stop blinking and remain solid, indicating a successful connection.

OPERATING INSTRUCTIONS

1. Transmitter Controls Overview

The T8S transmitter features a standard layout for intuitive control. Familiarize yourself with the various switches, buttons, and sticks:

Programmable Mix Control

Basic menu, advanced menu and various mix controls can be personalized to channel 6 and above. Flight modes are set with the two 3-way switches in the flight controller PIX by default.



Image: Detailed diagram of the Radiolink T8S transmitter, labeling the throttle/rudder stick, aileron/elevator stick, power button, trimmer buttons, battery indicator, three-way switches (flight mode switch), toggle-switch (PTZ adjustment), and push-button (camera shutter).

- **Throttle/Rudder Stick:** Controls throttle and rudder movements.
- **Aileron/Elevator Stick:** Controls aileron and elevator movements.
- **Power Button:** Turns the transmitter on/off.
- **Trimmer Buttons:** Used for fine-tuning control surfaces.
- **Battery Indicator:** Displays current battery level.
- **Three-way Switches (Flight Mode Switch):** Configurable for different flight modes.
- **Toggle-switch (PTZ Adjustment):** Used for Pan-Tilt-Zoom adjustments.
- **Push-button (Camera Shutter):** Can be assigned for camera functions.

Basic menu, advanced menu, and various mix controls can be customized for channels 6 and above. Flight modes are typically set using the two 3-way switches in the flight controller PIX by default.

2. Multiple Model Compatibility

The T8S transmitter is designed for versatility, supporting a wide range of RC models. It is compatible with fixed-wing aircraft, gliders, multicopters, RC cars, and RC boats. The receiver with a 21cm antenna is particularly suitable for RC boat control.

Multiple Models

Compatible with fixed-wings, gliders, multicopters, RC cars and the receiver with 21cm antenna is also perfect for easy RC boats control.



Image: Graphic illustrating the Radiolink T8S transmitter's compatibility with various RC models, including fixed-wing aircraft, gliders, multicopters, RC cars, and RC boats.

3. App Setup and USB Upgrade

Parameters for the T8S can be easily configured and modified using a dedicated Android application. This allows for advanced customization of settings. Additionally, the USB port enables firmware upgrades, ensuring your transmitter always has the latest features and improvements.



Mission Planner

Image: Screenshot of the Mission Planner software interface, showing various flight mode settings and calibration options, demonstrating the advanced configuration capabilities.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the transmitter. Avoid using solvents or abrasive cleaners.
- **Storage:** Store the transmitter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For long-term storage, ensure the built-in lithium battery is charged to approximately 50% to prolong its lifespan. Avoid fully discharging the battery.
- **Firmware Updates:** Regularly check the Radiolink official website for firmware updates to ensure optimal performance and access to new features.

TROUBLESHOOTING




- **Transmitter Not Powering On:** Ensure the battery is sufficiently charged. Connect the transmitter to a USB power source to charge.
- **Receiver Not Binding:**
 - a. Verify that the transmitter and receiver are within 1 meter during the binding process.
 - b. Confirm that the receiver is receiving power.
 - c. Ensure the ID SET button on the receiver is pressed correctly for one second and released.
- **Loss of Control Range:**
 - a. Check for potential interference sources in the operating environment.
 - b. Ensure the receiver antenna is properly positioned and not obstructed.
 - c. Verify the transmitter battery level.
- **Incorrect Control Response:**




- a. Recalibrate the transmitter sticks and channels if necessary.
- b. Check the settings in the Android App for any misconfigurations.

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official Radiolink website or contact your authorized dealer. Keep your purchase receipt as proof of purchase for warranty claims.
Manufacturer recommended age for this product is 15 years and up.

Related Documents - T8S

	<p>RadioLink T8S 8-Channel RC Transmitter User Manual</p> <p>Comprehensive user manual for the RadioLink T8S 8-channel remote controller. Learn about setup, firmware upgrades, parameter configuration via mobile and computer, and FAQs for your RadioLink T8S transmitter.</p>
	<p>RadioLink T8S 8-Channel Remote Controller User Manual</p> <p>A comprehensive user manual for the RadioLink T8S 8-channel remote controller, detailing its features, setup, firmware upgrades, and parameter configuration via mobile app and computer software. Covers safety precautions, packing list, and receiver compatibility.</p>
	<p>RadioLink T8S 8-Channel Remote Controller User Manual</p> <p>Comprehensive user manual for the RadioLink T8S 8-Channel Remote Controller, covering setup, firmware upgrades, and parameter adjustments via Android app and computer. Compatible with fixed-wings, multirotors, cars, and boats.</p>

<div data-bbox="132 120 292 277"><p>R7FG (FHSS)</p><p>INSTRUCTION MANUAL See also Transmitter POWER: 1000mA/5V Input Required Antenna: 50cm or longer recommended</p></div>	<p>RadioLink R7FG 7-Channel Receiver with Gyro: Instruction Manual</p> <p>Comprehensive instruction manual for the RadioLink R7FG 7-channel dual antenna receiver, detailing setup, telemetry, gyro functions, working modes, specifications, and antenna installation.</p>
<div data-bbox="132 703 292 904"><p>R6DS (FHSS and DSSS Spread Spectrum)</p><p>RadioLink R6DS is a 2.4GHz 6/10 channel RC receiver utilizing DSSS and FHSS spread spectrum technology for reliable anti-interference performance. It supports simultaneous SBUS, PPM, and PWM signal outputs, offering low latency and high precision for drone and model aircraft applications. This overview covers its features, operating modes, binding, installation, and specifications.</p></div>	<p>Radiolink R6DS 2.4GHz RC Receiver: Features, Specs, and Setup Guide</p> <p>The Radiolink R6DS is a 2.4GHz 6/10 channel RC receiver utilizing DSSS and FHSS spread spectrum technology for reliable anti-interference performance. It supports simultaneous SBUS, PPM, and PWM signal outputs, offering low latency and high precision for drone and model aircraft applications. This overview covers its features, operating modes, binding, installation, and specifications.</p>
<div data-bbox="132 1016 292 1173"><p>R8FG V2.1 (FHSS)</p><p>INSTRUCTION MANUAL See also Transmitter POWER: 1000mA/5V Input Required Antenna: 50cm or longer recommended</p></div>	<p>RadioLink R8FG V2.1 Instruction Manual: 8-Channel Gyro Receiver</p> <p>Comprehensive instruction manual for the RadioLink R8FG V2.1 8-channel receiver. Learn about setup, binding, telemetry, gyro functions, and specifications for this splash-proof, high-voltage servo compatible RC receiver.</p>