

GoolRC FS-GT3C

GoolRC Flysky FS-GT3C RC Transmitter and FS-GR3E Receiver Instruction Manual

Model: FS-GT3C | Brand: GoolRC

INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of your GoolRC Flysky FS-GT3C 2.4Ghz 3-channel LCD remote controller and its accompanying FS-GR3E receiver. This system is designed for controlling RC cars and boats, offering reliable performance and advanced features.

The FS-GT3C utilizes the Automatic Frequency Hopping Digital System (AFHDS) for robust signal transmission and interference resistance. It operates within the 2.4GHz to 2.48GHz frequency range, divided into 160 wave bands, ensuring stable communication. The transmitter is powered by a rechargeable 3.7V Li-ion battery.



Image: The GoolRC Flysky FS-GT3C RC transmitter and its FS-GR3E receiver, ready for use.

Key Features

- **LCD Screen Display:** Provides clear visibility of settings and parameters.
- **High Receiving Sensitivity:** Ensures reliable control and responsiveness.
- **3-Channel Control:** Suitable for various RC car and boat applications.
- **Advanced Anti-Jamming:** Features super active and passive anti-jamming capabilities for stable operation.
- **Low Power Consumption:** Designed for extended operating times.
- **AFHDS Technology:** Utilizes Automatic Frequency Hopping Digital System for secure and stable communication.
- **Rechargeable Battery:** Transmitter powered by an included 3.7V Li-ion battery.
- **Wide Frequency Range:** Operates between 2.4GHz to 2.48GHz, divided into 160 wave bands.
- **Control Distance:** Effective control range of 100-200 meters.
- **Under-Voltage Warning:** Alerts the user when battery power is low.
- **Ergonomic Design:** Comfortable for extended use.



Image: Diagram highlighting key features such as 100-200m control distance, GFSK modulation, AFHDS, backlit LCD, rechargeable battery, and ergonomic design.

PACKAGE CONTENTS

Verify that all items are present in your package:

- GoolRC Flysky FS-GT3C RC Transmitter
- Flysky FS-GR3E Receiver
- 3.7V 800mAh Li-ion Polymer Battery (FS-BA800)
- USB Charging Cable
- Instruction Manual
- Binding Plug



Image: The complete package contents, including the FS-GT3C transmitter, FS-GR3E receiver, Li-ion battery, USB charging cable, and instruction manual.

SETUP INSTRUCTIONS

1. Charging the Transmitter Battery

1. Locate the 3.7V Li-ion battery (FS-BA800) and insert it into the battery compartment at the base of the transmitter. Ensure correct polarity.
2. Connect the provided USB charging cable to the charging port on the transmitter.
3. Plug the other end of the USB cable into a compatible USB power source (e.g., computer USB port, USB wall adapter).
4. The LCD screen or an indicator light on the transmitter will show the charging status. Charge until the battery is full.

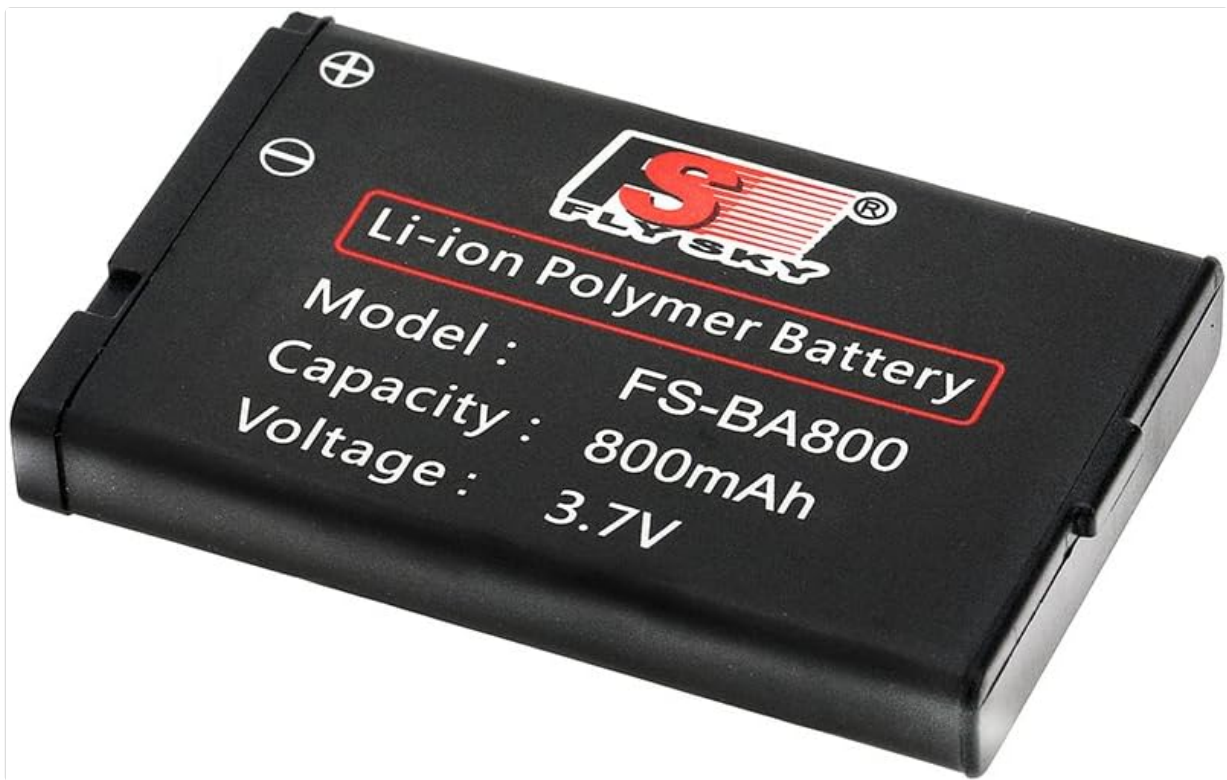


Image: Close-up view of the FS-BA800 Li-ion Polymer Battery (3.7V, 800mAh) for the transmitter.

2. Receiver Installation and Binding

The FS-GR3E receiver is compatible with various Flysky transmitters. Ensure your receiver is correctly installed in your RC model and bound to the FS-GT3C transmitter.

1. **Install the Receiver:** Mount the FS-GR3E receiver securely in your RC car or boat, ensuring the antenna is positioned for optimal signal reception and away from metal parts or other electronics that could cause interference.
2. **Connect Servos/ESC:** Connect your steering servo, Electronic Speed Controller (ESC), and any other accessories to the corresponding channels on the FS-GR3E receiver (e.g., CH1 for steering, CH2 for throttle, CH3 for auxiliary functions).
3. **Binding Process:**
 - Ensure the transmitter is OFF.
 - Insert the binding plug into the 'BIND' port on the FS-GR3E receiver.
 - Power on your RC model (which powers the receiver). The receiver's LED should flash rapidly, indicating it's in binding mode.
 - While holding down the 'BIND' button on the FS-GT3C transmitter, turn the transmitter ON.
 - Release the 'BIND' button on the transmitter once its LCD screen displays 'BIND OK' or the receiver's LED becomes solid.
 - Turn off both the transmitter and the RC model.
 - Remove the binding plug from the receiver.
 - Power on the transmitter first, then the RC model. The receiver's LED should be solid, indicating a successful bind.



Flysky FS-GR3E receiver can compatible with these models RC transmitter as belows:



Image: The FS-GR3E receiver shown with various compatible Flysky transmitters, demonstrating its broad compatibility.

OPERATING INSTRUCTIONS

Transmitter Overview

Familiarize yourself with the controls and display of the FS-GT3C transmitter:

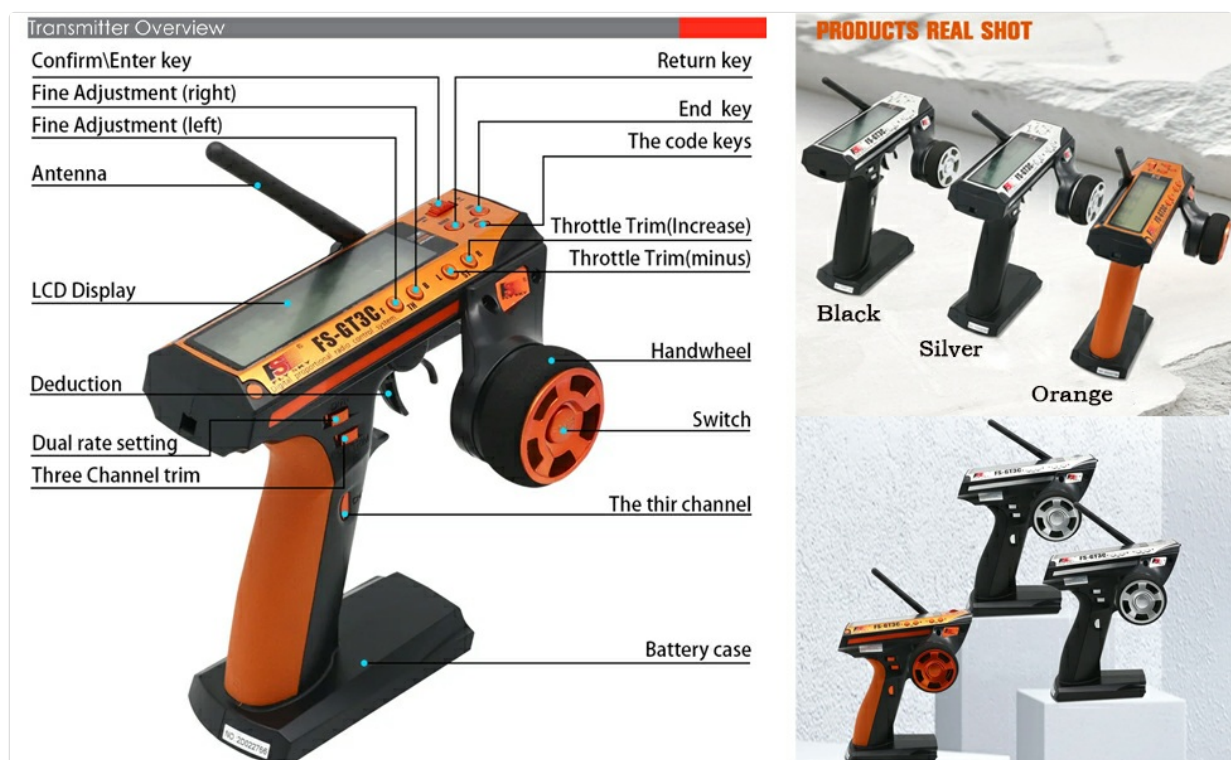


Image: Detailed diagram of the FS-GT3C transmitter, labeling the LCD display, antenna, throttle trim, handwheel, various switches, and control buttons.

Basic Controls

- **Steering Wheel:** Controls the direction of your RC model. Turn left to steer left, turn right to steer right.

- **Throttle Trigger:** Controls the speed and direction (forward/reverse) of your RC model. Pull back for forward acceleration, push forward for braking or reverse.
- **Channel 3 Switch:** Activates auxiliary functions if configured on your RC model.



Image: Visual representation of how steering wheel and throttle trigger inputs on the transmitter translate to the movement of an RC vehicle.

LCD Menu Navigation

Use the 'ENTER', 'BACK', 'END', 'UP', and 'DOWN' buttons to navigate the LCD menu and adjust settings.

- **MODEL:** Select or create new model profiles.
- **NAME:** Edit the name of the selected model.
- **REV (Servo Reverse):** Reverse the direction of servo movement for steering or throttle.
- **E. POINT (End Point Adjuster):** Adjust the maximum travel limits for servos.
- **TRIM:** Fine-tune the neutral position of steering and throttle.
- **D/R (Dual Rate):** Adjust the sensitivity of steering or throttle.
- **EXP (Exponential):** Modify the response curve of steering or throttle for smoother control around the center.
- **ABS (Auto Brake System):** Configure automatic braking functions.

Refer to the detailed on-screen menu for specific parameter adjustments. Always test changes at low speeds in a safe environment.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the transmitter and receiver. Avoid using solvents or harsh chemicals.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures. Remove the battery if storing for extended periods.
- **Battery Care:** Do not overcharge or completely discharge the Li-ion battery. Follow manufacturer guidelines for battery charging and disposal.

- **Antenna:** Ensure the transmitter and receiver antennas are not bent or damaged. A damaged antenna can reduce range and signal quality.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power to transmitter	Battery not charged or incorrectly installed.	Ensure battery is fully charged and correctly inserted with proper polarity.
No control response from RC model	Transmitter and receiver not bound; receiver not powered; incorrect servo/ESC connection.	Perform binding procedure again. Check power supply to receiver. Verify all connections to receiver are correct.
Limited control range or intermittent signal	Interference; damaged antenna; low transmitter battery.	Operate in an open area away from other 2.4GHz devices. Check antennas for damage. Recharge transmitter battery.
Steering/Throttle operates in reverse	Servo reverse setting is incorrect.	Adjust the 'REV' (Servo Reverse) setting in the transmitter's LCD menu for the affected channel.
LCD screen is dim or unresponsive	Low battery; display settings.	Recharge the transmitter battery. Check display contrast/brightness settings in the menu if available.


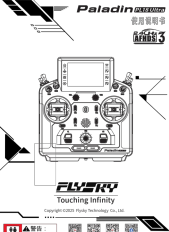
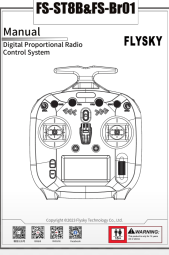

PRODUCT SPECIFICATIONS

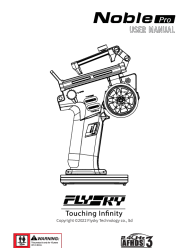

- **Brand:** GoolRC
- **Model:** FS-GT3C
- **Channels:** 3
- **Frequency:** 2.4GHz - 2.48GHz
- **Modulation:** GFSK
- **Spreading Mode:** FHSS
- **Code Type:** PPM/PCM
- **RF Power:** Less than 20dBm
- **Low Voltage Warning:** Yes (Below 3.7V)
- **DSC Port:** Yes (3.5mm, output: PPM)
- **Charger Port:** Yes
- **Power Supply:** 3.7V 800mAh Li-ion Battery (included)
- **Display:** LCD Screen
- **Control Distance:** 100-200 meters (approximate, varies with environment)
- **Item Weight (Transmitter):** 1.32 pounds (approximate)
- **Package Dimensions:** 7.99 x 7.52 x 5.16 inches
- **Manufacturer Recommended Age:** 14 years and up
- **Item Model Number:** DBU5406219589134LM

WARRANTY AND SUPPORT

Specific warranty details and direct support contact information are not provided in the product data. For warranty claims or technical assistance, please refer to the retailer where the product was purchased or visit the official GoolRC website for available support resources.

Related Documents - FS-GT3C

	<p>Instrukcja Obsługi FlySky FS-GT3B: Nadajnik i Odbiornik RC</p> <p>Kompletny przewodnik po obsłudze zestawu nadajnika i odbiornika FlySky FS-GT3B (FS-GR3E), przeznaczonego do sterowania modelami zdalnie sterowanymi (RC). Zawiera informacje o specyfikacji, konfiguracji, funkcjach i bezpieczeństwie.</p>
	<p>Paladin PL18 Ultra Flysky 18</p> <p>Flysky Paladin PL18 Ultra 18 2.4GHz AFHDS 3</p> <p>Paladin PL18 Ultra</p> <p>Ultra</p> <p>Paladin PL18</p>
	<p>Flysky FS-ST8B & FS-Br01 Digital Proportional Radio Control System Manual</p> <p>Comprehensive user manual for the Flysky FS-ST8B transmitter and FS-Br01 receiver, detailing setup, functions, specifications, and operation for bait boat control.</p>
	<p>FlySky FS-i6S Digital Proportional Radio Control System Instruction Manual</p> <p>This manual provides detailed instructions for the FlySky FS-i6S digital proportional radio control system, covering setup, operation, function settings, specifications, and safety precautions for optimal use.</p>

 The image shows the cover of the Flysky Noble Pro User Manual. At the top, it says 'Noble PRO' and 'USER MANUAL'. Below that is a line drawing of the transmitter. At the bottom, there is a Flysky logo with the tagline 'Touching Infinity' and a small 'Hobby King' logo.	<p>Flysky Noble Pro User Manual - Advanced Radio Control System Guide</p> <p>Comprehensive user manual for the Flysky Noble Pro radio control system, detailing setup, operation, functions, specifications, and safety guidelines for RC models. Learn to use the transmitter, receivers, and advanced features for optimal performance.</p>
 The image shows the cover of the Flysky FS-GT3C manual. It features the Flysky logo at the top left, followed by 'FS-GT3C' and 'GT3C' in large bold letters. Below that is a photograph of the transmitter. At the bottom, it says 'Digital proportional radio control system' and includes CE and FCC certification marks.	<p>Manual Flysky FS-GT3C: Sistema de Radio Control Digital Proporcional</p> <p>Manual completo de instrucciones para el sistema de radio control digital proporcional Flysky FS-GT3C. Incluye especificaciones, configuración, operación, funciones y contenido del paquete.</p>