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› GoolRC Flysky FS-GT5 2.4GHz 6CH AFHDS RC Transmitter User Manual

GoolRC FS-GT5

GoolRC Flysky FS-GT5 2.4GHz 6CH AFHDS RC Transmitter User Manual

Model: FS-GT5 with FS-BS6 Receiver

Brand: GoolRC

1. PRODUCT OVERVIEW

The GoolRC Flysky FS-GT5 is a 2.4GHz 6-channel AFHDS 2A radio system designed for remote control cars and boats. It features advanced anti-interference capabilities and comes paired with the FS-BS6 receiver. This manual provides detailed instructions for its setup, operation, and maintenance.



Image 1.1: The FS-GT5 transmitter and its accompanying FS-BS6 receiver.

2. WHAT'S IN THE BOX

- FS-GT5 Remote Control Transmitter
- FS-BS6 Receiver
- Binding Cable
- User Manual (this document)

AA/2S

2S LiPo or 4 * AA Battery Optional



Receiver: FS-BS6



Built-in Gyro (Switchable)

Only weighs 8g



Image 2.1: Packaging contents including the FS-GT5 transmitter, FS-BS6 receiver, and manual.

3. KEY FEATURES

- **AFHDS 2A System:** Utilizes 2.4GHz Automatic Frequency Hopping Digital System 2A for strong active and passive anti-interference capabilities.
- **6-Channel Output:** The FS-BS6 receiver provides 6 channels, compatible with various RC car and boat models.
- **ABS Function (Automatic Brake):** Adjustable throttle channel braking with six parameter settings for optimal braking and cornering control.
- **F.SAFE Function (Fail-Safe Protection):** Automatically moves actuators to a pre-set position if the receiver loses signal from the transmitter, enhancing model safety.
- **CRAWL Function (Climbing Car Mode):** Dedicated mode for climbing vehicles.
- **SVC Function (Smart Car Control Mode):** Intelligent control mode for enhanced vehicle handling.
- **Gyro Stability Function:** Integrated gyroscope for improved stability.
- **Model Memory:** Stores parameters for up to 20 different models, allowing for individual settings and easy recall.
- **Adjustable Antenna:** 180° adjustable antenna for convenience and portability.
- **Sound and Vibration Alarm:** Provides alerts for low voltage and out-of-control situations.
- **Colorful LED Lights:** Six optional LED colors for customization.

- **Power Options:** Supports 2S LiPo or 4 * AA batteries.

FS-GT5

Digital Proportional Radio Control System

CH 2.4
6 GHz

- * AFHDS 2A
- * 6 channels
- * Steering wheel with bearing
- * Foldable antenna
- * Crawler car modes, SVC functionality and haptic feedback
- * Support AA battery or 2S lithium battery
- * Gyro Receiver







Bidirectional system



Frequencies-hopping



Omni-directional high gain antenna



Digital Identification



Low power

Image 3.1: Overview of FS-GT5 features, highlighting AFHDS 2A for anti-interference, fast, and precise control.





Sound + unique vibration alarm prompt

Built-in vibration motor, just the right amplitude,
Vibration can prompt low voltage and out of control alarm
Don't miss important tips even in noisy places!



AfhdS 2A second generation

Enhanced automatic frequency modulation digital system
Strong anti-interference, stable and rapid response



Unique identification

Before connecting the control, code first to eliminate the interference of other frequency points to make the control more stable and reliable.



Multi frequency hopping

According to the ID frequency point, automatic frequency hopping, work more to avoid interference, and rapid response.

Image 3.2: Illustration of the 4 Crawling Modes and the effect of the ABS Function on vehicle turning.

4. SETUP

4.1 Component Identification

Colorful panel LED lights



Green Blue Lake Blue Red Yellow White Grey

Six colors are available, can also be closed
Satisfy your little character!

Standard receiver FS-BS6



Built-in gyroscope (switchable)
Automatic recovery of accidental offset, making your control smarter.

Super small and light
Save vehicle space and reduce vehicle load.
Volume: 30 X 22 X 16mm
Weight: 8g

System	Built-in gyroscope stabilization system	Antenna Type	Single Antenna
Channel	6	2.4GHz Mode	AFHDS 2A
Frequency Range	2.408-2.475 GHz	Modulation Method	GFSK
Number of Bands	135	Input Power	4.0-8.4V DC

Image 4.1: Labeled diagram of the FS-GT5 transmitter and FS-BS6 receiver components.

4.2 Battery Installation

The FS-GT5 transmitter can be powered by either a 2S LiPo battery or four AA batteries. Ensure correct polarity when inserting AA batteries.

1. Open the battery compartment cover located at the bottom of the transmitter handle.
2. Insert 4 AA batteries, observing the polarity markings (+/-). Alternatively, connect a 2S LiPo battery to the designated connector.
3. Close the battery compartment cover securely.



Image 4.2: Battery installation options for the FS-GT5 transmitter.

4.3 Binding the Transmitter and Receiver

Binding is the process of linking the transmitter and receiver so they can communicate. The FS-GT5 and FS-BS6 receiver are typically pre-bound from the factory. If re-binding is necessary:

1. Ensure the transmitter is OFF.
2. Connect the bind cable to the 'BIND' port on the FS-BS6 receiver.
3. Power on the receiver (e.g., connect to an ESC or separate battery). The receiver's LED should flash rapidly.
4. While holding the 'BIND' button on the transmitter, turn on the transmitter.
5. Release the 'BIND' button on the transmitter once the receiver's LED turns solid. This indicates successful binding.
6. Turn off both the transmitter and receiver. Remove the bind cable from the receiver.
7. Power on the transmitter first, then the receiver. Verify that the receiver's LED is solid, indicating a successful connection.

5. OPERATING INSTRUCTIONS

5.1 Basic Operation

1. Turn on the transmitter using the power switch.
2. Turn on your RC vehicle/boat.
3. Use the steering wheel for directional control (Channel 1).
4. Use the throttle trigger for speed control (Channel 2). Pull for forward, push for reverse/brake.
5. Adjust steering trim (Channel 1) and throttle trim (Channel 2) as needed to ensure the vehicle tracks straight and stops when the trigger is neutral.

5.2 Menu Navigation and Settings

The FS-GT5 features an LCD screen and navigation buttons for accessing and adjusting various settings. Use the 'BIND' knob (rotate to select, press to confirm) and 'BACK/EXIT' button to navigate the menus.

- **Model Selection:** The transmitter can store up to 20 models. Select the appropriate model for your vehicle.
- **REV (Reverse):** Adjust channel direction if controls are inverted.
- **EPA (End Point Adjustment):** Set the maximum travel for each channel.
- **D/R (Dual Rate):** Adjust the sensitivity of steering and throttle.
- **EXP (Exponential):** Fine-tune the response curve of steering and throttle.
- **ABS Function:** Configure automatic braking parameters.
- **CRAWL Mode:** Activate and configure settings for climbing vehicles.
- **SVC Mode:** Enable and adjust Smart Car Control settings.
- **F.SAFE (Fail-Safe):** Set the fail-safe positions for channels in case of signal loss.
- **Gyro:** Enable or disable the built-in gyroscope and adjust its sensitivity.



FS-GT5

Remote Controller

2.4Ghz / 6CH / Car&Boat

2.4GHz
AFHDS 2A

Anti-interference Fast Precise



Unique identity
recognition



Multiple frequency
hopping, fast and
anti-interference

Image 5.1: The FS-GT5 LCD screen displaying operational status.

6. 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.
- **Battery Care:** Remove batteries if the unit will not be used for an extended period to prevent leakage. If using LiPo batteries, follow proper charging and storage guidelines.
- **Antenna Care:** Handle the antenna carefully. The FS-GT5 features a foldable antenna; ensure it is folded properly when not in use to prevent damage.

7. TROUBLESHOOTING

- **No Power:** Check battery installation and charge level. Ensure the power switch is in the 'ON' position.
- **No Control/Signal Loss:** Verify that the transmitter and receiver are properly bound. Ensure both units are powered on. Check for interference from other 2.4GHz devices. Ensure the receiver antenna is not damaged or obstructed.
- **Controls Reversed:** Adjust the 'REV' setting for the affected channel in the transmitter's menu.
- **Vehicle Drifts/Doesn't Stop:** Adjust the steering and throttle trim settings. Perform a calibration if available in the menu.
- **Short Range:** Check for antenna damage on both transmitter and receiver. Ensure no large metal objects are obstructing the signal path.
- **Alarm Sounds:** Check the battery voltage of the transmitter. The vibration alarm indicates low voltage or potential signal loss.

8. SPECIFICATIONS

Feature	Specification
Channels	6
Frequency	2.4GHz
System	AFHDS 2A
Model Type	RC Car, RC Boat
RF Range	2.408-2.475 GHz
Bandwidth	500KHz
Bands	135
RF Power	<20dBm
Modulation	GFSK

Feature	Specification
Low Voltage Alarm	<4.2V
DSC Port	3.5mm (output: PPM)
Power Supply	4.0-8.4V (4*AA or 2S LiPo)
Display	STN Transflective Display, VA 3.5 inches, LCD with backlight
On-line Update	Yes
Weight	240g (without battery)
Dimensions	158*95*220mm
Manufacturer	GoolRC
Item Model Number	NSS3825297498738PO

8.1 FS-BS6 Receiver Specifications

Feature	Specification
Channels	6
RF Receiver Sensitivity	-92dBm
Frequency	2.4GHz
System	AFHDS 2A
Modulation	GFSK
Power Supply	4.0-8.4V
Weight	8g
Dimensions	30*22*16mm
Built-in Gyro	Yes (Switchable)



Image 8.1: FS-BS6 receiver highlighting its compact size and built-in gyro.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or contact GoolRC customer service directly. Warranty terms and conditions may vary by region and retailer. For further assistance, please visit the official GoolRC store or contact their support channels.

- GoolRC Official Store: <https://www.amazon.com/stores/GoolRC/page/10A0F9CF-3557-4992-AD7B-BAAA67F798D8>

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ASK A QUESTION ABOUT THIS MANUAL

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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