



Manuals.plus /

- › GoolRC /
- › GoolRC Flysky FS-GY01 Gyroscope Module User Manual

## GoolRC FS-GY01

# GoolRC Flysky FS-GY01 Gyroscope Module User Manual

Model: FS-GY01 | Brand: GoolRC

### INTRODUCTION

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This manual provides instructions for the installation, operation, and maintenance of the GoolRC Flysky FS-GY01 Gyroscope Module. The FS-GY01 is designed to enhance the stability and control of RC mini cars and drift cars by correcting deviations in vehicle movement.

### PACKAGE CONTENTS

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- 1 x FS-GY01 Gyroscope Module
- 1 x User Manual
- Double-sided adhesive pads



*The package includes the FS-GY01 Gyroscope Module, a user manual, and double-sided adhesive pads for mounting.*

## PRODUCT FEATURES

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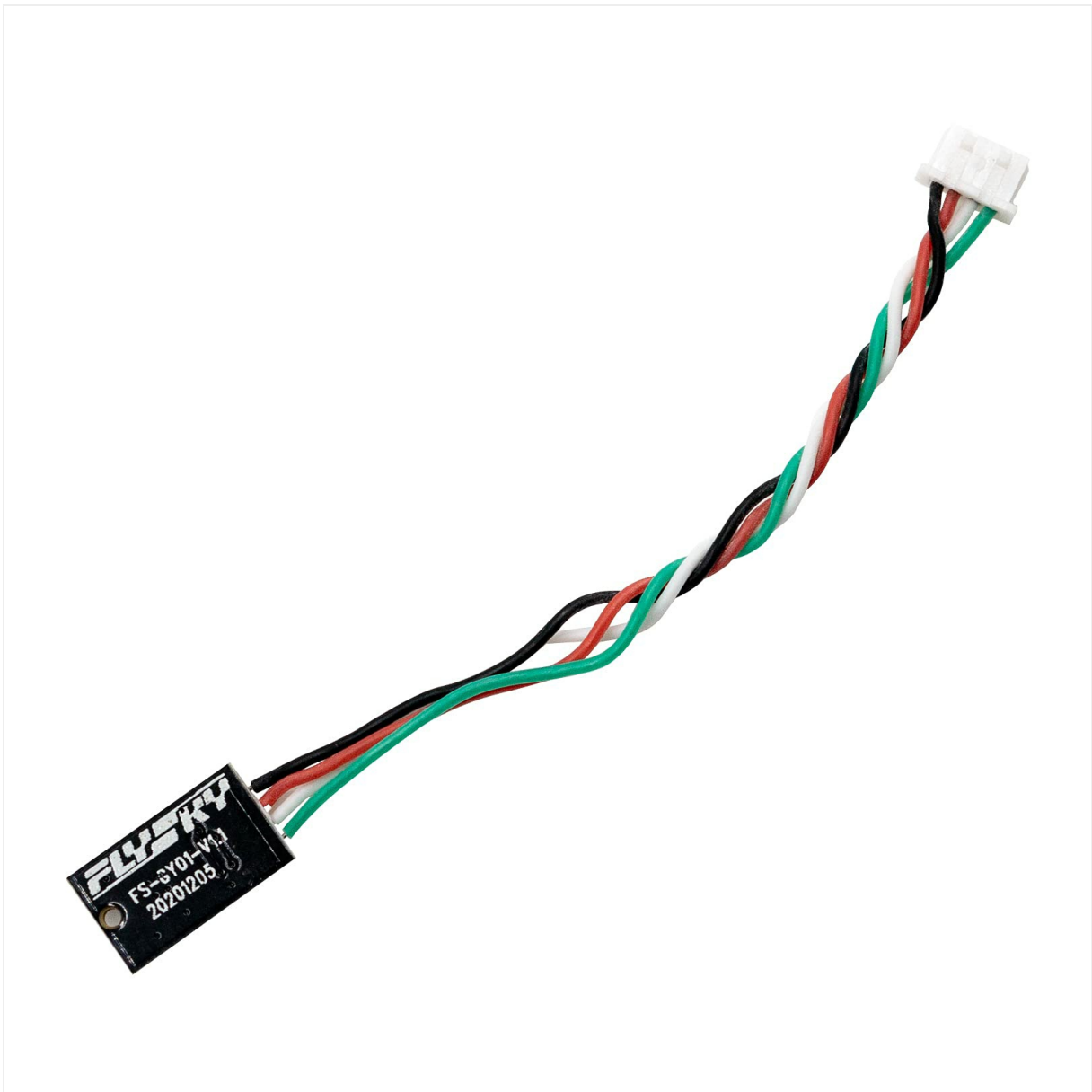
- **Deviation Correction:** Automatically corrects vehicle deviation for improved stability.
- **Compact Design:** Small and lightweight for easy integration into RC models.
- **Easy Installation:** Designed for straightforward setup.
- **Smart Vehicle Control:** Enables advanced control functions when paired with a compatible remote control system.
- **Compatible Receiver:** Specifically designed for use with GMr receivers.
- **Application:** Ideal for Mini Car and Drift Car models.
- **Data Connection:** Utilizes a Gyro Connection for data input/output.

## SETUP

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### 1. Physical Installation

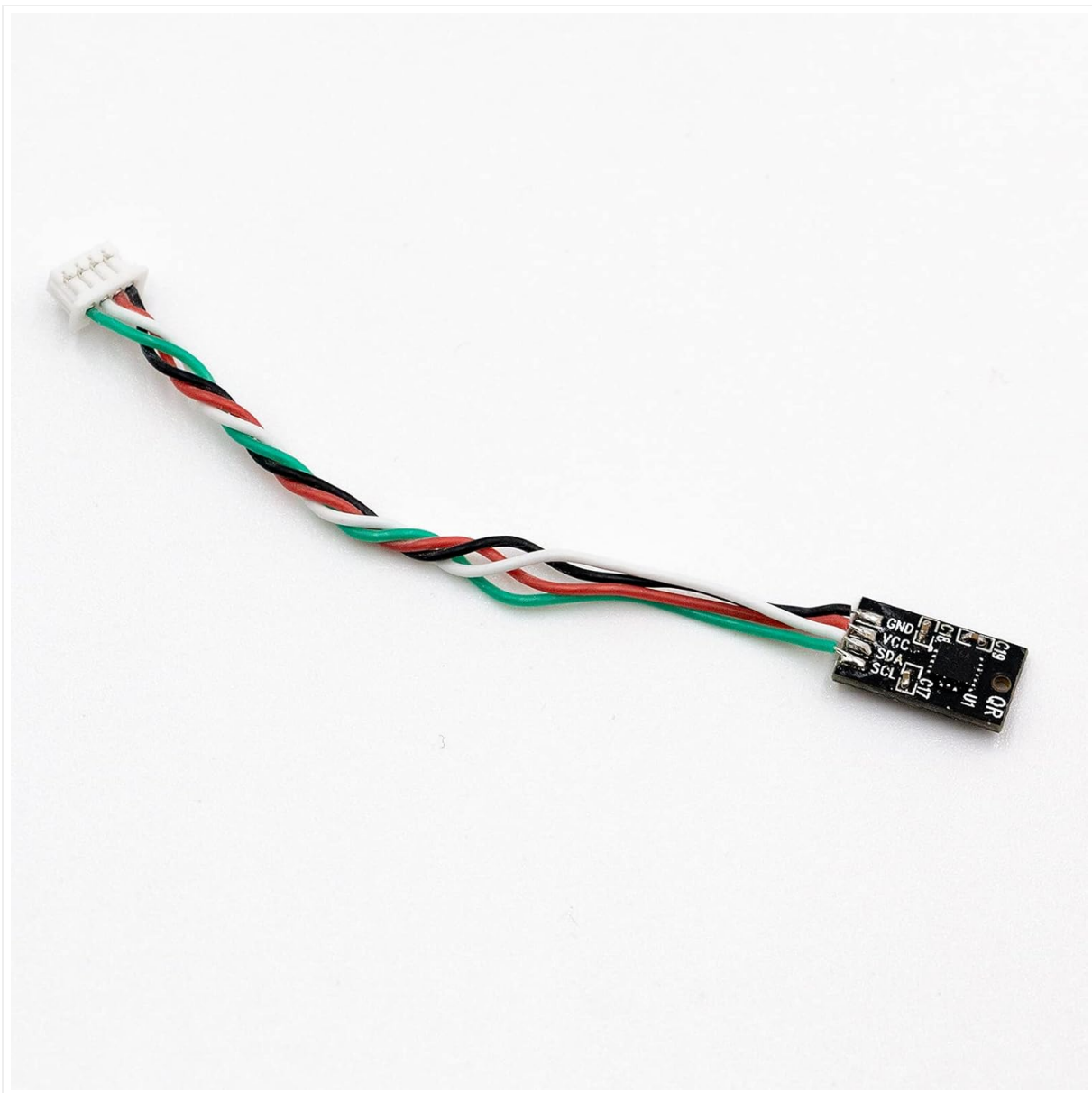
Locate a suitable flat surface on your RC vehicle for mounting the FS-GY01 module. Ensure the surface is clean and dry. Use the provided double-sided adhesive pads to securely attach the gyroscope module to the chosen location. Ensure the module is oriented correctly as per the markings on the device.



*The FS-GY01 module is compact and connects via a multi-wire harness. Ensure proper orientation during installation.*

## **2. Electrical Connection**

Connect the gyroscope module to your GMr receiver using the provided cable. Ensure the connections are firm and correctly aligned to prevent damage. The module requires a power input of 3.3V. Refer to your GMr receiver's manual for specific port identification and connection procedures.



*The module features clearly labeled pins for Ground (GND), Voltage (VCC), Serial Data (SDA), and Serial Clock (SCL) for proper connection.*

## OPERATING INSTRUCTIONS

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Once installed and connected, the FS-GY01 module operates in conjunction with your GMr receiver and remote control system. The gyroscope automatically detects and corrects deviations in the vehicle's movement, providing enhanced stability, especially during turns or on uneven surfaces. For optimal performance, ensure your remote control system is properly calibrated according to its own user manual. The module is designed for real-time correction and does not require manual adjustment during operation.

## MAINTENANCE

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The FS-GY01 Gyroscope Module requires minimal maintenance.

- **Cleaning:** Keep the module free from dust, dirt, and moisture. Use a soft, dry cloth for cleaning. Avoid using solvents or harsh chemicals.
- **Inspection:** Periodically check the wiring connections to ensure they are secure. Inspect the module for any visible damage.
- **Storage:** When not in use for extended periods, store the module in a dry, cool environment, away from direct sunlight and extreme temperatures.

## TROUBLESHOOTING

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If you experience issues with the FS-GY01 module, consider the following:

### No Response / Incorrect Operation:

- Verify all electrical connections are secure and correctly plugged into the GMr receiver.
- Ensure the power input to the module is stable at 3.3V.
- Check the compatibility of your receiver. The FS-GY01 is designed for GMr receivers.
- Consult your remote control system's manual for proper calibration and settings.

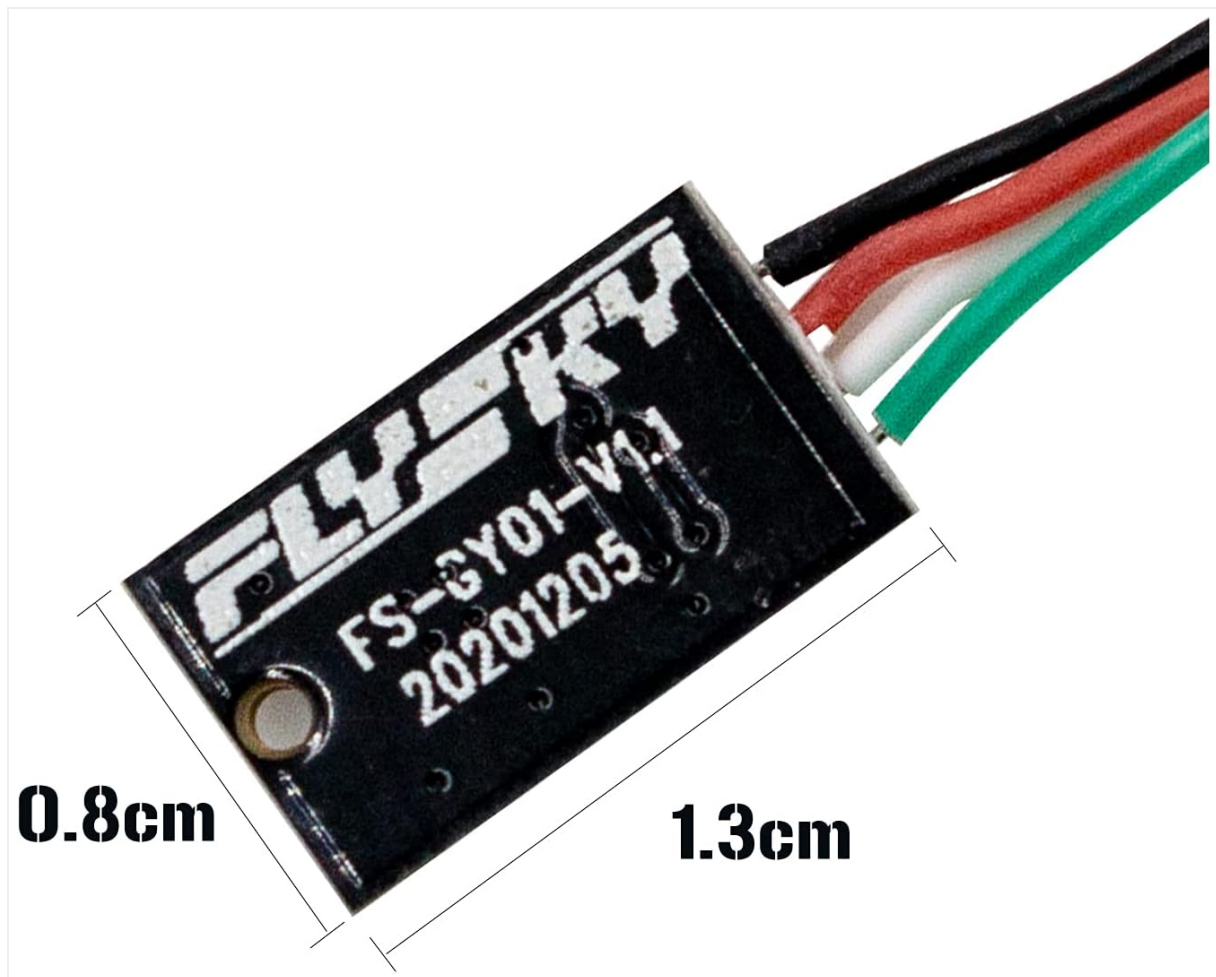
### Unstable Vehicle Behavior:

- Ensure the module is securely mounted and not vibrating excessively.
- Check for any physical obstructions or damage to the module or its wiring.
- If the issue persists, contact GoolRC customer support for further assistance.

## SPECIFICATIONS

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Feature	Detail
Model	FS-GY01
Compatible Receiver	GMr
Model Type	Mini Car / Drift Car
Data Input/Output Connection	Gyro Connection
Power Input	3.3V
Online Update	No
Temperature Range	-10°C to +60°C
Humidity Limit	20% to 95%
Dimensions	1.3 cm x 0.8 cm
Weight	Approx. 8g (package weight)
Material	Plastic



*The compact size of the FS-GY01 module is approximately 1.3 cm in length and 0.8 cm in width, making it suitable for mini RC vehicles.*

#### **WARRANTY AND SUPPORT**

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For any problems or inquiries regarding the GoolRC Flysky FS-GY01 Gyroscope Module, please contact the GoolRC store or authorized dealer where the product was purchased. Please retain your proof of purchase for warranty claims.