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› Flysky FS-G11P Radio Transmitter User Manual

Flysky FS-G11P

Flysky FS-G11P Radio Transmitter User Manual

Model: FS-G11P | Brand: Flysky

1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Flysky FS-G11P Radio Transmitter and FS-R11P Receiver Combo. Please read this manual thoroughly before using the product to ensure safe and optimal performance. The FS-G11P is an advanced 2.4GHz 11-channel radio system designed for various RC models, offering precise control and a rich feature set.

2. SAFETY INFORMATION

Always operate the FS-G11P according to these instructions to prevent operational errors that could lead to damage or injury. Ensure all connections are secure and batteries are properly installed before use. Keep the device away from water and extreme temperatures. This product is recommended for users 14 years and up.

3. PACKAGE CONTENTS

Upon opening the package, verify that all the following items are included:

- 1x FS-G11P Transmitter
- 1x FS-R11P Receiver
- 1x User Manual
- 1x Rubberized Grip
- 1x Protective Film
- 1x Type-C Charging Cable
- 2x Machine Screws
- 1x Handle
- 1x Large Tension Spring
- 1x Small Tension Spring
- 1x Storage Box



Image: Contents of the Flysky FS-G11P package, including the transmitter, receiver, and various accessories.

4. PRODUCT OVERVIEW

4.1 Transmitter Components and Controls

The FS-G11P transmitter features an ergonomic design with various controls for precise operation.

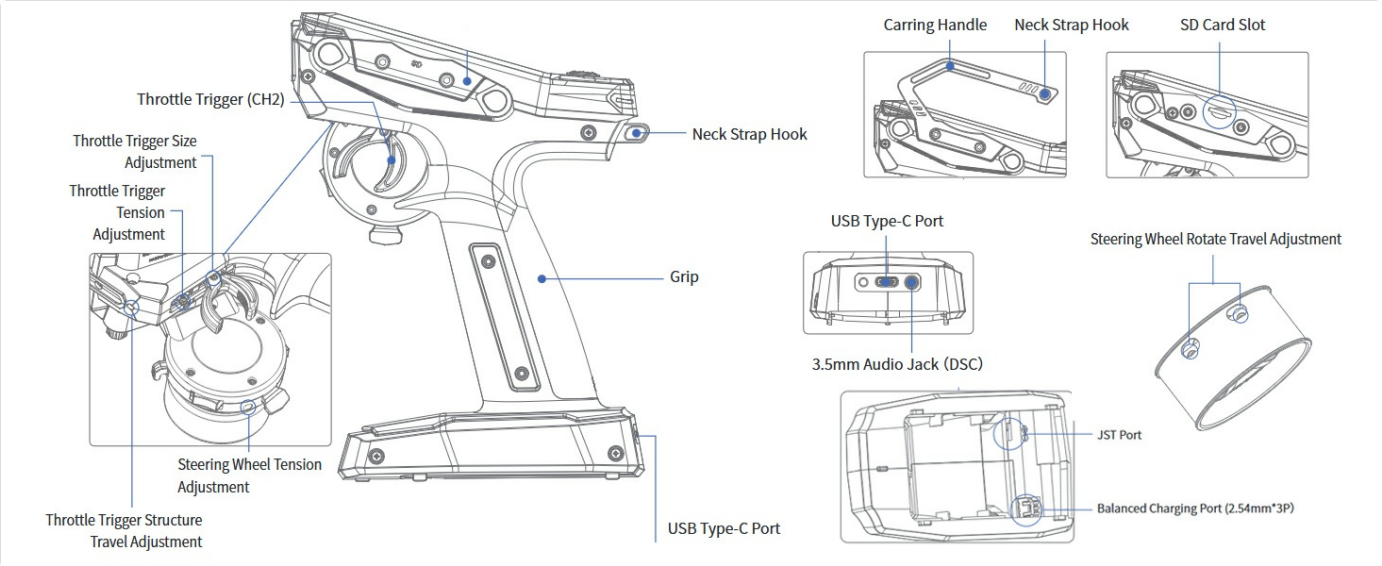


Image: Front and top view diagram of the FS-G11P transmitter, highlighting the display, K1-K4 buttons, power button, steering wheel, TR1-TR3 trims, SW1-SW4 switches, VR1-VR2 knobs, and K5-K7 buttons.

Receiver Overview (FS-R11P)

[1]	CH1/P(PWM/PPM)	[12]	CH10
[2]	CH2	[13]	CH11
[3]	CH3	[14]	SENS Connector
[4]	CH4	[15]	SERVO Connector
[5]	CH5	[16]	LED
[6]	CH6	[17]	Antenna
[7]	BIND Connector	[18]	BIND Button
[8]	VCC/BVD (PowerSupply/Battery Voltage Connector)	[19]	Signal Pin
[9]	CH7	[20]	"+" (Connect to Battery Anode)
[10]	CH8	[21]	"-" (Connect to Battery Cathode)
[11]	CH9		

Receiver Specifications

Product Model	FS-R11P
Compatible Transmitter	FS-G11P and other transmitters with ANT protocol
Compatible RC Model	Cars or boats
Number of Channels	11
RF	2.4GHz ISM
Maximum Power	<20dBm (e.i.r.p.) (EU)
RF Protocol	ANT
Resolution	4096
Data Output	PWM/PPM/i-BUS/S.BUS
Operating Voltage	3.5-9V/DC
Distance	No less than 300m (Ground distance without interference)
Antenna	External single antenna
Display	LED
Firmware Update	Supported
Temperature Range	-10°C ~ +60°C
Humidity Range	20% ~ 95%
Color	Black
Weight	10g
Dimensions	37.0*25*13.3mm
Waterproof	PPX4
Certification	CE, FCC ID:2A2UNR11P00

Image: Side view diagram of the FS-G11P transmitter, detailing the throttle trigger, trigger size and tension adjustments, steering wheel tension adjustment, USB Type-C port, 3.5mm Audio Jack (DSC), and battery compartment.

4.2 FS-R11P Receiver Overview

The FS-R11P is an 11-channel receiver compatible with the FS-G11P transmitter, utilizing the ANT protocol for stable communication.



Image: Diagram of the FS-R11P receiver, illustrating its various channel ports (CH1-CH11), BIND connector, SENS connector, SERVO connector, LED, Antenna, BIND button, VCC/BVD, and Signal Pin. A table of receiver specifications is also included.

5. INITIAL SETUP

5.1 Powering the Transmitter

The FS-G11P supports flexible power options, including 2S LiPo batteries (JST/balanced plug) or dual 2600mAh 18650 batteries.

1. Open the battery compartment cover on the bottom of the transmitter.
2. Insert the chosen battery type, ensuring correct polarity for 18650 cells or proper connection for LiPo packs.
3. Close the battery compartment cover securely.

Versatile Power Supply Compatible with Multiple Plugs

Multiple power options:
supports 18650 batteries and
2S lithium batteries;
Compatible with multiple plug types,
including 2S balance connectors and
JST connectors.



Image: Illustration of the versatile power supply options for the FS-G11P, showing compatibility with both 18650 batteries and 2S lithium batteries, along with various plug types.

5.2 Charging the Transmitter

The transmitter can be charged via its Type-C smart hub connection.

1. Connect the provided Type-C charging cable to the Type-C port on the transmitter.
2. Connect the other end of the cable to a suitable USB power source.
3. The display will indicate charging status.

Multi-functional Type-C Data Interface



- » Supporting firmware upgrade
- » model data backup
- » 2s lithium battery charging
- » USB emulator functions



Image: The multi-functional Type-C data interface of the FS-G11P, illustrating its use for firmware updates, model data backup, 2S lithium battery charging, and USB emulator functions.

6. OPERATION

6.1 Display and Interface

The FS-G11P features a 3.5-inch IPS high-brightness display, ensuring clear visibility even in direct sunlight.

IPS High-Brightness Display A New Standard for Outdoor Visibility



Peak Brightness:
2000 nits.

Equipped with a 3.5-inch 320*480 full-dot array color IPS high-brightness non-touch display. The screen remains clearly visible even under intense sunlight, ensuring excellent clarity.

Image: The FS-G11P's 3.5-inch 320x480 full-dot array color IPS high-brightness non-touch display, highlighting its 2000 nits peak brightness for excellent clarity in sunlight.

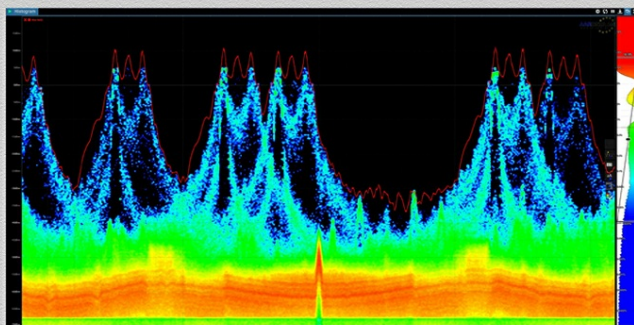
6.2 Binding Process

To establish communication between the transmitter and receiver, a binding process is required. The FS-G11P supports two pairing modes: Routine and Fast, selectable based on application scenarios.

1. Ensure both transmitter and receiver are powered off.
2. Press and hold the BIND button on the receiver while powering it on. The receiver's LED will flash rapidly.
3. Power on the transmitter. Navigate to the binding menu on the display.
4. Select your desired RF System (e.g., ANT 2 Way) and pairing mode (Routine/Fast).
5. Initiate the binding process from the transmitter. The receiver's LED will turn solid when binding is successful.

» Seamless Switching

Adaptive frequency hopping and spread spectrum, actively avoid co-frequency interference, improving anti-interference performance.



» Low Latency, Fast Response

Two pairing modes, Routine/Fast, can be selected according to practical application scenarios.

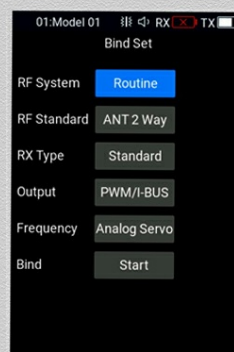


Image: Display screens illustrating the 'Routine' and 'Fast' pairing modes for seamless switching and low latency, enhancing anti-interference performance through adaptive frequency hopping and spread spectrum technology.

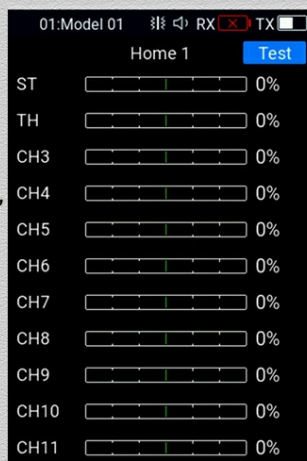
6.3 Channel Configuration and Model Management

The FS-G11P supports up to 11 channels and can manage up to 40 model groups.

1. Use the display and navigation buttons (K1-K4, five-way switch) to access the channel settings.
2. Configure individual channel functions, trims, and endpoints as needed for your model.
3. To manage models, navigate to the 'Select Model' menu to create, load, or delete model profiles.

» Multi-Channel, More Possibilities

Supports up to 11 channels, meeting the demands of multi-channel model applications.



» Everything You Need, Endless Fun

Supports up to 40 sets of model groups.

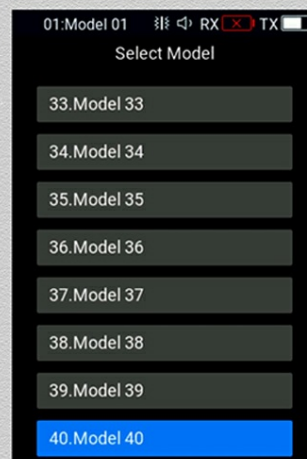


Image: Display screens demonstrating the multi-channel capabilities (up to 11 channels) and the ability to manage up to 40 distinct model groups, providing extensive customization for diverse model applications.

6.4 Advanced Features

Adjustable Controls

The transmitter features an adjustable trigger with customizable return force and position, and a handwheel with physically adjustable travel distance for maximum flexibility.



The trigger features adjustable return force and position, suitable for a wider user group

The handwheel features physically adjustable travel distance with infinite positioning for maximum flexibility.



Image: Detailed views of the FS-G11P's adjustable trigger, allowing for changes in return force and position, and the handwheel with physically adjustable travel distance for enhanced user comfort and control.

Throttle Channel Options

Flexible throttle channel curve settings are available with three throttle curve modes and five adjustable throttle points for precise control.

» Flexible Throttle Channel Options, Unlock Diverse Playstyles

Throttle channel curve settings are flexible and versatile; three throttle curve modes available with five adjustable throttle points for precise control.



Image: Display screens showcasing the flexible throttle channel options, including ST Exp, Exp.F (CRV), and Exp.B (ARC) modes, with adjustable throttle points for fine-tuning control.

Telemetry and Sensor Integration

The FS-G11P supports real-time GPS telemetry (speed, altitude, coordinates) and is compatible with multiple i-BUS devices for advanced model diagnostics and performance monitoring (voltage, temperature).

» Abundant sensors optional and compatible with multiple i-BUS devices

Compatible with multiple i-BUS devices, including sensors for height, voltage, temperature, speed, GPS, etc.



Image: A selection of i-BUS compatible sensors, including those for height, voltage, temperature, speed, and GPS, demonstrating the system's extensive sensor integration capabilities.

» Comprehensive GPS Features, Dominate Every Terrain



Support GPS and can obtain real-time feedback information such as height, speed, latitude and longitude, gyroscope.

» Abundant sensors optional and compatible with multiple i-BUS devices

Compatible with multiple i-BUS devices, including sensors for height, voltage, temperature, speed, GPS, etc.



Image: A display screen showing comprehensive GPS features, including real-time feedback for height, speed, latitude, longitude, and gyroscope data.

7. COMPATIBILITY

The FS-G11P is compatible with various ANT multi-function receivers, including those with light control, ESC 2-in-1, and gyroscope functions. Built-in parameters of the remote control can be set, and ANT protocol receivers come standard with BVD (Battery Voltage Detection).

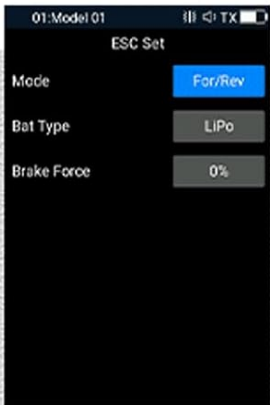
» Broad Compatibility, Supports Multiple ANT Multi-Function Receivers

Compatible with various ANT multi-function receivers, including light control + ESC 2-in-1 receiver, gyroscope receiver; built-in parameters of remote control can be set, and ANT protocol receivers come standard with BVD.



FS-R7D

7-channel receiver with light control function





FS-R4D-ESC

light control + ESC 2-in-1 receiver





FS-R7V

7-channel gyroscope receiver.

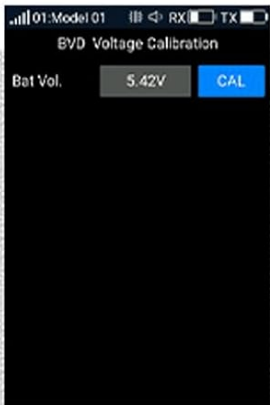


Image: Examples of compatible ANT multi-function receivers: FS-R7D (7-channel with light control), FS-R4D-ESC (light control + ESC 2-in-1), and FS-R7V (7-channel gyroscope receiver). Display screenshots show receiver settings for each type.

8. MAINTENANCE

To ensure the longevity and optimal performance of your FS-G11P transmitter and receiver:

- Keep the device clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight for prolonged periods.
- Store the transmitter and receiver in a dry, cool place, preferably in the provided storage box.
- Regularly check all connections for security and signs of wear.
- Ensure batteries are charged before each use and stored properly when not in use.

9. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Transmitter does not power on.	Low or dead battery; incorrect battery installation.	Charge the battery or replace it. Ensure correct polarity and secure connection.
No control response from model.	Not bound; receiver not powered; incorrect channel settings.	Perform binding process. Check receiver power. Verify channel assignments and settings.
Short control range or signal loss.	Interference; damaged antenna; low transmitter/receiver battery.	Operate in an open area away from interference. Check antennas for damage. Ensure batteries are fully charged.
Display is dim or unreadable in sunlight.	Extreme glare.	While the display is anti-glare, direct extreme sunlight can still affect visibility. Try to shade the display or adjust your viewing angle.

10. TECHNICAL SPECIFICATIONS

Feature	Specification
Product Model	FS-G11P
Compatible Receiver	FS-R11P and other receivers with ANT protocol
Compatible RC Model	Cars or boats
Number of Channels	11
Number of Bands	133
RF	2.4GHz ISM
Maximum Power	< 20dBm (e.i.r.p.) (EU)
RF Protocol	ANT
Resolution	4096
Data Connector	USB Type-C, 3.5mm Audio Jack (DSC), SD card slot
Input Power	6.5V-8.4V DC (18650*2PCS/2S LiPo)
Distance	No less than 300m (Ground distance without interference)

Feature	Specification
Antenna	Two built-in antennas
Display	3.5 inch 320*480 full dot color non-touch IPS screen
Firmware Update	Supported
Temperature Range	-10°C ~ +60°C
Humidity Range	20% - 95%
Color	Black
Language	Chinese or English
Weight	371g
Dimensions	150.0*120.8*191.2mm
Charging Jack	Yes (Type-C Port)
Certifications	CE, FCC ID: 2A2UNR11P00

Receiver Specifications (FS-R11P):

Feature	Specification
Product Model	FS-R11P
Compatible Transmitter	FS-G11P and other transmitters with ANT protocol
Compatible RC Model	Cars or boats
Number of Channels	11
RF	2.4GHz ISM
Maximum Power	< 20dBm (e.i.r.p.) (EU)
RF Protocol	ANT
Resolution	4096
Data Output	PWM/PPM/i-BUS/S.BUS
Operating Voltage	3.5-9V DC
Distance	No less than 300m (Ground distance without interference)
Antenna	External single antenna
Display	LED
Firmware Update	Supported
Temperature Range	-10°C ~ +60°C
Humidity Range	20% - 95%

Feature	Specification
Color	Black
Weight	10g
Dimensions	37.0*25*13.3mm
Waterproof	IPX4
Certification	CE, FCC ID: 2A2UNR11P00

11. WARRANTY AND SUPPORT

Specific warranty information for the Flysky FS-G11P is typically provided with your purchase documentation or can be found on the official Flysky website. For technical support, firmware updates, or service inquiries, please refer to the contact information provided by your retailer or visit the official Flysky support channels. You can visit the official Flysky store for more information:[Flysky Store on Amazon](#)

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