Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

GoolRC FS-i6

GoolRC Flysky FS-i6 2.4GHz 6-Channel Transmitter and FS-iA6 Receiver Instruction Manual

1. Introduction

This manual provides detailed instructions for the setup, operation, and maintenance of your GoolRC Flysky FS-i6 2.4GHz 6-Channel Transmitter and FS-iA6 Receiver system. This radio control system is designed for various RC models including gliders, helicopters, and airplanes, offering reliable and interference-free communication through its AFHDS 2A digital frequency hopping system.

2. Package Contents

Carefully unpack the box and ensure all items are present. If any items are missing or damaged, please contact your retailer.

- 1 x FS-i6 Transmitter
- 1 x FS-iA6 6-Channel Receiver
- 1 x Bind Plug



Figure 2.1: Contents of the GoolRC Flysky FS-i6 package, including the transmitter, receiver, and bind plug.

3. Product Overview

The GoolRC Flysky FS-i6 system consists of a 6-channel transmitter and a compatible 6-channel receiver. The transmitter features an ergonomic design for comfortable handling and an LCD screen for configuration and monitoring.



Figure 3.1: Front view of the GoolRC Flysky FS-i6 Transmitter, showing the sticks, switches, and LCD display, alongside the FS-iA6 Receiver and bind plug.



Figure 3.2: Various angles of the FS-i6 Transmitter, highlighting its ergonomic design and control layout.

4. Setup

4.1 Transmitter Battery Installation

1. Open the battery compartment cover located on the back of the transmitter.
2. Insert four (4) 1.5V AA batteries, ensuring correct polarity (+/-).
3. Close the battery compartment cover securely.

Note: Always use fresh batteries and remove them if the transmitter will not be used for an extended period.



Figure 4.1: Close-up view of the FS-i6 Transmitter's battery compartment, showing where to insert the AA batteries.

4.2 Receiver Connection

The FS-iA6 receiver is a 6-channel unit. Connect your servos, ESC, and other components to the appropriate channels on the receiver. Ensure all connections are secure and correctly oriented.

- **CH1-CH6:** Connect servos or ESCs according to your model's requirements.
- **B/VCC:** This port is typically used for battery input or for connecting the bind plug during the binding process.

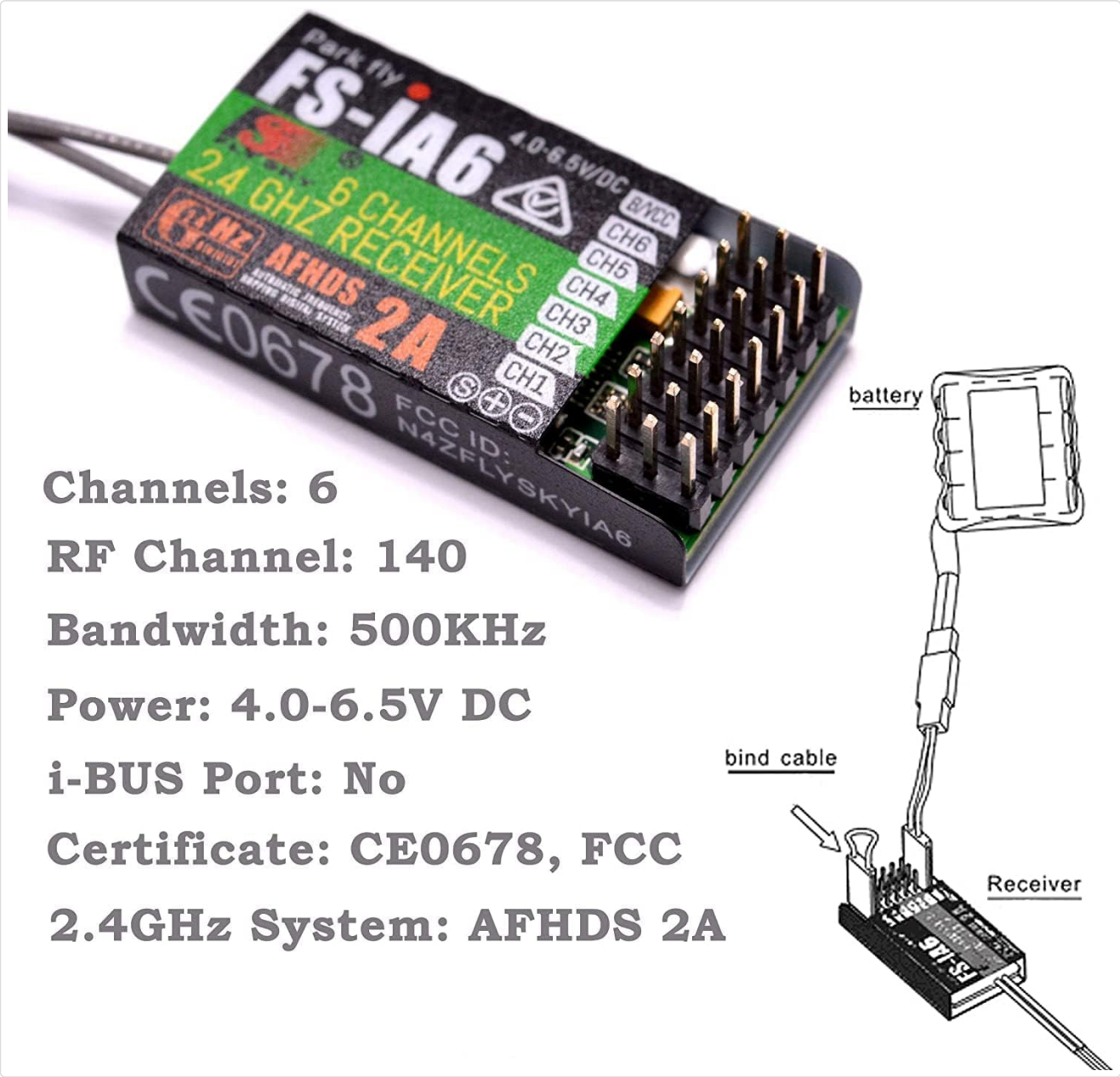


Figure 4.2: Detailed diagram illustrating the channel layout and power input on the FS-iA6 receiver, along with the bind cable connection point.

4.3 Binding Procedure

Binding is the process of linking the transmitter and receiver so they can communicate. This procedure needs to be performed once for each new receiver or if the transmitter's settings are reset.

1. Ensure the transmitter is powered OFF.
2. Insert the bind plug into the B/VCC port on the FS-iA6 receiver.
3. Connect power to the receiver (e.g., via an ESC or a separate battery pack). The receiver's LED should flash rapidly, indicating it is in binding mode.
4. While holding down the **BIND KEY** button on the transmitter, power ON the transmitter.
5. The transmitter's LCD screen will display a binding progress or confirmation message. The receiver's LED should stop flashing and remain solid, indicating successful binding.
6. Release the **BIND KEY** button on the transmitter.
7. Power OFF both the receiver and the transmitter.
8. Remove the bind plug from the receiver.
9. Power ON the transmitter first, then the receiver. The receiver's LED should be solid, confirming a successful

connection.

Important: Always power on the transmitter before the receiver and power off the receiver before the transmitter to prevent unintended model operation.

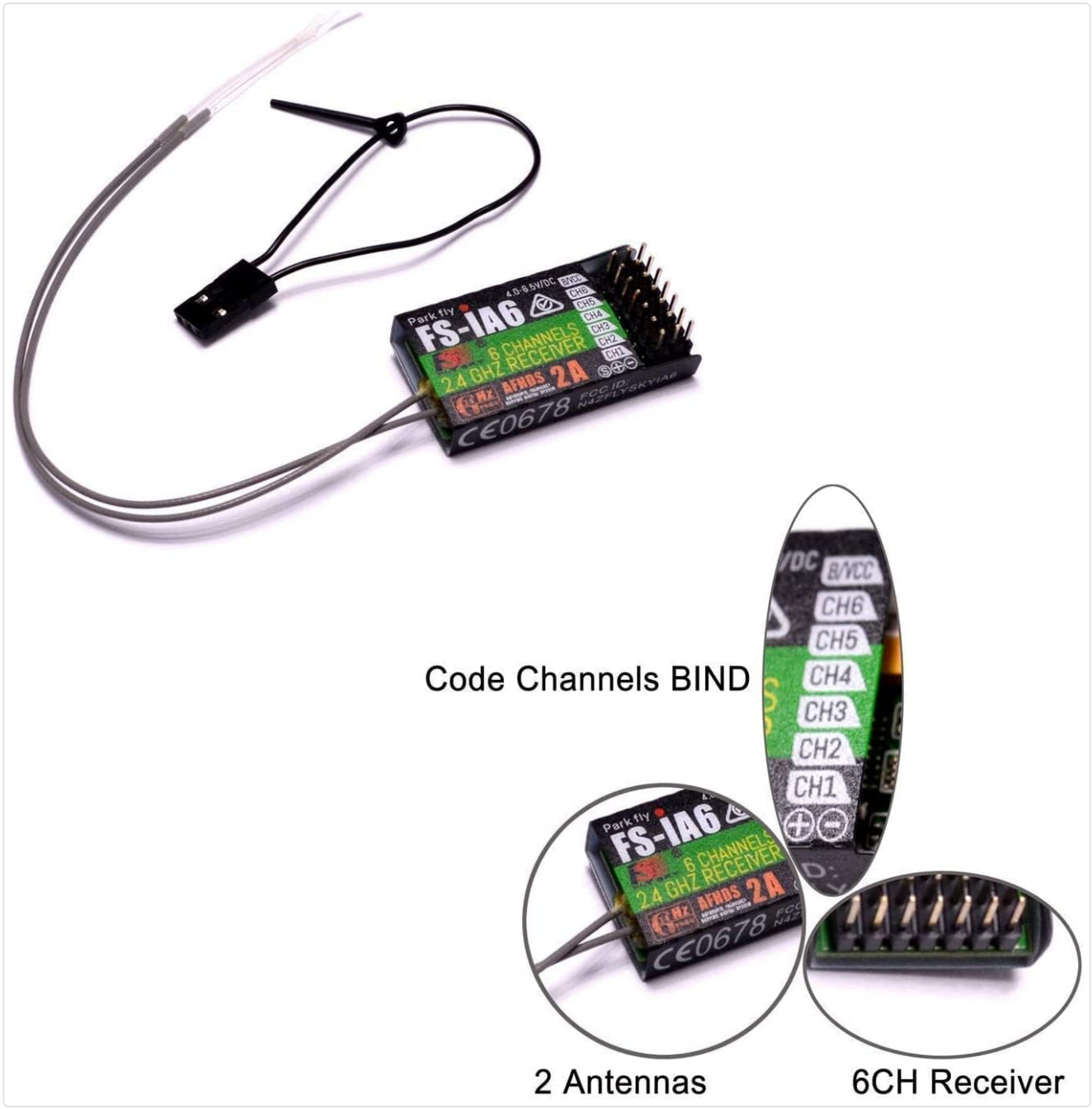


Figure 4.3: The FS-iA6 receiver with the bind plug inserted into the B/VCC port, ready for the binding process.

5. Operating Instructions

5.1 Transmitter Controls

The FS-i6 transmitter features various controls for precise model operation:

- **Control Sticks:** Used for primary control inputs (e.g., throttle, aileron, elevator, rudder).
- **Switches:** Multiple 2-position and 3-position switches for auxiliary functions (e.g., flight modes, gear, flaps).
- **Trims:** Digital trim buttons located near the control sticks for fine-tuning control surfaces.
- **Dials (VRA, VRB):** Rotary dials for proportional control of auxiliary channels.
- **Buttons (UP, DOWN, OK, CANCEL):** Used for navigating and confirming selections in the LCD menu.

5.2 LCD Display

The backlit dot matrix LCD screen provides real-time information about the transmitter and receiver status, model settings, and battery voltage.



Figure 5.1: The FS-i6 LCD screen, showing various parameters such as transmitter and receiver voltage, signal strength, and model name.

5.3 Model Types

The FS-i6 transmitter supports various model types, including:

- Glider
- Helicopter
- Airplane

Configuration for specific model types can be accessed through the transmitter's menu system.

6. Specifications

6.1 FS-i6 Transmitter Specifications

Feature	Specification
Number of Channels	6
Suitable Models	Glider, Helicopter, Airplane
Bandwidth	500 kHz
Bands	142

Feature	Specification
RF Power	Less than 20 dBm
System	AFHDS 2A and AFHDS
Code Type	GFSK
Sensitivity	1024
Low Voltage Alarm	Less than 4.2 V
DSC Port	PS2; Output: PPM
Charger Port	No
Antenna Length	26 mm x 2 (Dual Antenna)
Power	6V, 4 x 1.5V AA Batteries
Display Mode	STN positive transflective display, 128 x 64 dot matrix VA73 x 39mm, with white backlight
Dimensions	174 x 89 x 190 mm
Weight	392 g
Online Updates	Yes

6.2 FS-iA6 Receiver Specifications

Feature	Specification
Number of Channels	6
Suitable Models	Glider, Helicopter, Airplane
Bandwidth	140 kHz
Transmit Power	Less than 20 dBm
Sensitivity	-105 dBm
System	AFHDS 2A
Code Type	GFSK
Antenna Length	26 mm
Input Power	4.0 – 6.5 V DC
Dimensions	40 x 21 x 7 mm
Weight	6.4 g
i-Bus Interface	No
Data Acquisition System	No

7. Maintenance

Proper maintenance ensures the longevity and reliable operation of your RC system:

- Keep the transmitter and receiver clean and free from dust, dirt, and moisture. Use a soft, dry cloth for cleaning.
- Avoid exposing the components to extreme temperatures or direct sunlight for prolonged periods.
- Regularly check all cables and connectors for signs of wear or damage. Replace any damaged parts immediately.
- Remove batteries from the transmitter if it will not be used for an extended period to prevent leakage.
- Store the system in a safe place, away from strong magnetic fields or static electricity.

8. Troubleshooting

If you encounter issues with your GoolRC Flysky FS-i6 system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Receiver LED not solid after power-on	Not bound, low receiver power, or transmitter off	Perform binding procedure (Section 4.3). Check receiver power supply. Ensure transmitter is ON.
No control response from model	Receiver not bound, incorrect channel connections, or low battery voltage	Verify binding. Check all servo/ESC connections to the receiver. Check transmitter and receiver battery levels.
Transmitter not powering on	Dead or incorrectly installed batteries	Replace AA batteries with fresh ones. Ensure correct polarity during installation.
Intermittent signal loss	Antenna obstruction, range issue, or interference	Ensure receiver antennas are properly positioned and not obstructed. Operate within specified range. Avoid areas with high RF interference.
Controls are reversed	Servo reverse setting is incorrect	Adjust the servo reverse settings in the transmitter's menu for the affected channel.

9. Warranty and Support

For warranty information and technical support, please refer to the documentation provided at the time of purchase or contact your retailer. Keep your proof of purchase for any warranty claims.

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

Open the live page

https://manuals.plus/asin/B00WUE6GWK

More documents and user manuals: **https://manuals.plus/**