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> [GoolRC Flysky FS-i6X 2.4GHz 10CH RC Transmitter with FS-iA6B Receiver User Manual](#)

GoolRC RSZ2699236433692DD

GoolRC Flysky FS-i6X 2.4GHz 10CH RC Transmitter with FS-iA6B Receiver User Manual

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1. INTRODUCTION

This manual provides instructions for the GoolRC Flysky FS-i6X 2.4GHz 10CH RC Transmitter and FS-iA6B Receiver. This system utilizes AFHDS 2A technology, offering robust interference protection, low power consumption, and high receiver sensitivity. It supports data reception from various sensors and servo calibration, making it suitable for RC drones, airplanes, and helicopters.



Figure 1: GoolRC Flysky FS-i6X Transmitter and FS-iA6B Receiver.

2. WHAT'S IN THE BOX

The package includes the following components:

- FS-i6X Remote Controller
- FS-iA6B Receiver
- Bind Plug
- Manual

Package List



Figure 2: Package contents including the FS-i6X transmitter, FS-iA6B receiver, bind plug, and manual.

3. SETUP

3.1. Initial Setup and Binding

Follow these steps to set up your FS-i6X transmitter and bind it with the FS-iA6B receiver:

1. Remove the FS-i6X transmitter from its packaging.
2. Insert 4 AA batteries into the transmitter.
3. Turn on the transmitter.
4. Connect the bind plug to the receiver's B/VCC port.

5. Power on the receiver. The LED on the receiver should flash rapidly, indicating it is in binding mode.
6. On the transmitter, press and hold the **BIND KEY** while powering it on. The transmitter display will show "Binding...".
7. Once the binding is successful, the transmitter display will show "RX Bind OK" and the receiver's LED will turn solid.
8. Remove the bind plug from the receiver. The receiver is now bound and ready for use with the transmitter.
9. Select the desired model type (Fixed-Wing/Glider/Helicopter) and channels (6-10) on the transmitter as per your model's requirements.

Your browser does not support the video tag.

Video 1: Demonstrates the binding process for the Flysky FS-i6X RC Transmitter with the FS-iA6B Receiver. This video shows how to connect the bind plug, power on the receiver and transmitter, and confirm successful binding.

3.2. Transmitter Overview

Familiarize yourself with the various components of the FS-i6X transmitter:

FS-i6X Transmitter Specifications



Product Model: FS- i6X	
Channels: 6-10 (default 6)	Color: Black
Models: fixed wing / glider / helicopter / boat	
Wireless frequency: 2.4GHz	Antenna type: dual antenna
Transmission power: <20 dBm	Low voltage alarm: < 4.2V
Wireless protocol: AFHDS 2A	Data port: PS / 2 (PPM)
Range: 500 ~ 1500m (in the air)	Charging port: None
Channel resolution: 4096	Online Update: Yes
Battery: 1.5AA * 4	Language: Chinese and English
Display: STN transfective display, LCD 128x64 dot matrix,	
Temperature range: -10 °C — + 60 °C	Humidity range: 20% -95%
Dimensions: 174x89x190mm	Body weight: 392g
Certification: CE certification, FCC ID: N4ZFLYSKYI6X	

Figure 3: Labeled diagram of the FS-i6X transmitter, showing the antenna, handle, VRA/VRB, switches A/B/C/D, joysticks, fine-tuning rods, UP/DOWN buttons, Bind Key, OK/Cancel buttons, Power button, and LCD display.

4. OPERATING INSTRUCTIONS

4.1. Basic Control

Use the joysticks to control your RC model. The left joystick typically controls throttle and rudder, while the right joystick controls aileron and elevator, depending on your chosen mode (Mode 1 or Mode 2).

4.2. Channel Expansion and Firmware

The FS-i6X supports firmware upgrades to expand the number of available channels. Refer to the official Flysky website for the latest firmware and instructions on how to perform updates.

4.3. Sensor Data and Telemetry

The system is capable of receiving data from various external sensors (e.g., temperature, altitude) and displaying it on the transmitter's LCD screen. This telemetry feature provides real-time information about your model.

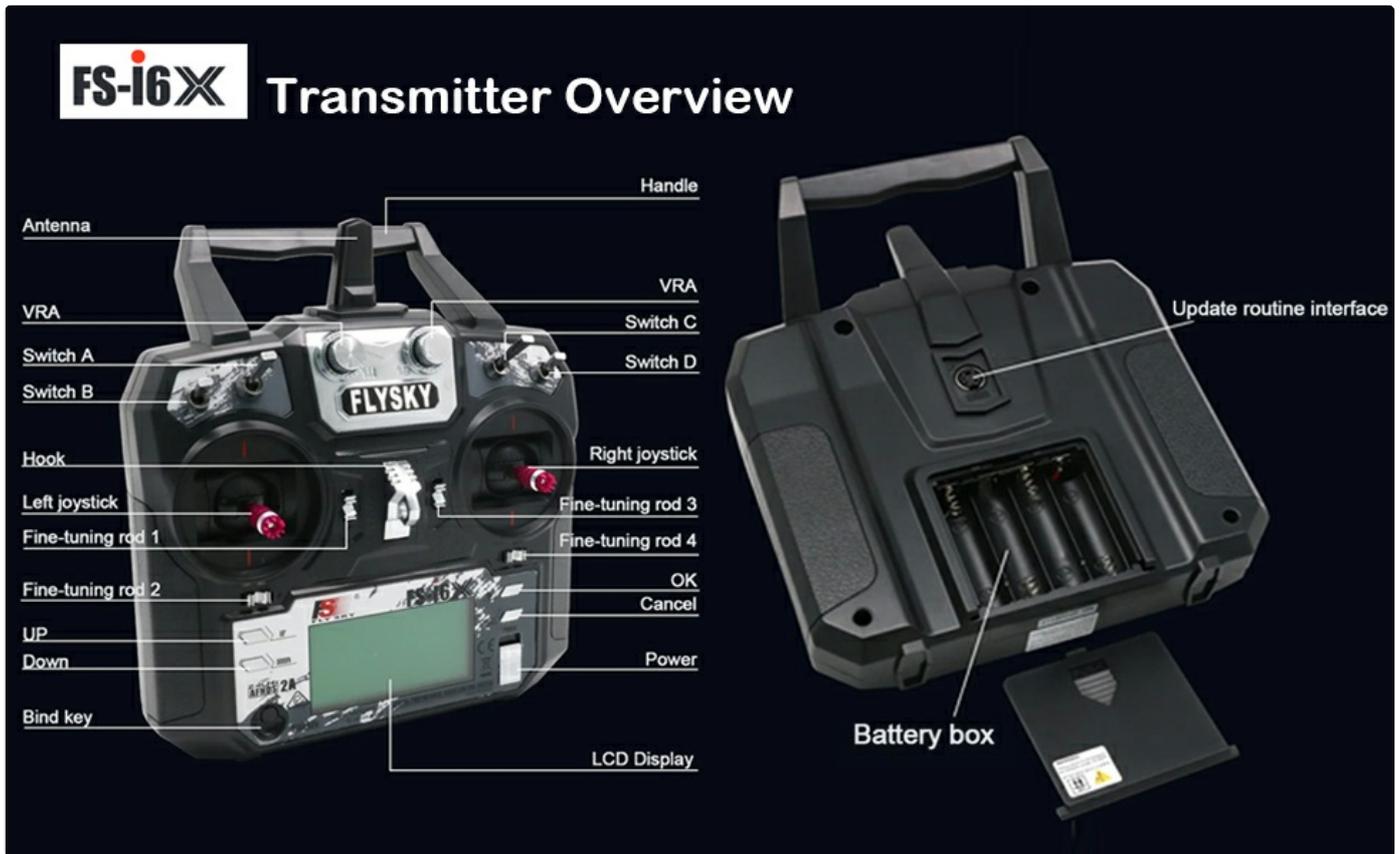


Figure 4: The FS-iA6B receiver, illustrating its compact design and connection ports for servos and sensors. This image also highlights the dual-gain antenna for stable signal transmission.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the transmitter and receiver. Avoid using solvents or abrasive cleaners.
- **Storage:** Store the transmitter and receiver in a cool, dry place away from direct sunlight and extreme temperatures. Remove batteries if storing for extended periods.
- **Battery Care:** Ensure fresh batteries are used for optimal performance. Replace batteries when the low voltage alarm is triggered.
- **Antenna Inspection:** Regularly check the receiver antennas for any damage or kinks. Ensure they are positioned correctly for best signal reception.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Transmitter does not power on.	Low or dead batteries; incorrect battery insertion.	Replace batteries with fresh AA batteries; ensure correct polarity.
Receiver not binding.	Incorrect binding procedure; bind plug not inserted correctly; transmitter too far from receiver.	Repeat binding steps carefully (refer to Section 3.1); ensure bind plug is fully inserted; keep transmitter and receiver close during binding.

Problem	Possible Cause	Solution
Loss of control during operation.	Out of range; interference; low transmitter/receiver battery voltage.	Operate within specified range; check for sources of interference; ensure batteries are fully charged.
Servos not responding.	Incorrect servo connection; faulty servo; receiver not powered.	Verify servo connections to the receiver; test with a different servo; ensure receiver has power.

7. SPECIFICATIONS

7.1. FS-i6X Transmitter Specifications

- **Product Model:** FS-i6X
- **Channels:** 6-10 (default 6)
- **Models:** Fixed wing / Glider / Helicopter / Boat
- **Wireless Frequency:** 2.4GHz
- **Transmission Power:** < 20dBm
- **Wireless Protocol:** AFHDS 2A
- **Range:** 500 ~ 1500m (in the air)
- **Channel Resolution:** 4096
- **Battery:** 1.5AA * 4
- **Display:** STN transfective display, LCD 128x64 dot matrix
- **Temperature Range:** -10°C ~ +60°C
- **Humidity Range:** 20% - 95%
- **Dimensions:** 174x89x190mm
- **Body Weight:** 392g
- **Antenna Type:** Dual antenna
- **Low Voltage Alarm:** < 4.2V
- **Data Port:** PS/2 (PPM)
- **Charging Port:** None
- **Online Update:** Yes
- **Language:** Chinese and English
- **Certification:** CE certification, FCC ID: N4ZFLYSKYI6X

7.2. FS-iA6B Receiver Specifications

- **Product Model:** FS-iA6B
- **PWM Channels:** 6
- **Wireless Frequency:** 2.4GHz
- **Wireless Protocol:** AFHDS 2A
- **Range:** 500 ~ 1500m (in the air)
- **Antenna Type:** Dual copper tube antenna (150mm * 2)
- **Power:** 4.0-8.4V
- **RSSI:** Supported
- **Data Port:** PWM / PPM / I.bus / S.bus

- **Temperature Range:** -10°C ~ +60°C
- **Humidity Range:** 20% - 95%
- **Online Update:** Yes
- **Dimensions:** 47 * 26.2 * 15 mm
- **Weight:** 10g
- **Certification:** CE, RCM, FCC ID: N4ZFLYSKYIA10



Figure 5: Visual representation of the specifications for both the FS-i6X Transmitter and the FS-iA6B Receiver.

8. WARRANTY INFORMATION

GoolRC products typically come with a standard manufacturer's warranty. For specific details regarding the warranty period and coverage for your FS-i6X transmitter and FS-iA6B receiver, please refer to the warranty card included in your product packaging or visit the official GoolRC website. Keep your proof of purchase for warranty claims.

9. CUSTOMER SUPPORT

For technical assistance, troubleshooting, or any other inquiries, please contact GoolRC customer support. You can often find contact information on the product packaging, the official GoolRC website, or through your retailer.

Visit the official GoolRC store for more products and information: [GoolRC Store](#)

