

[Manuals.plus](#) /

› [FLYSKY](#) /

› FS-i6 6Channel 2.4GHz AFHDS2A RC Transmitter w/FS-iA6B Receiver for RC Multicopter Helicopter Airplane Glider Quadcopter (Mode_2) Fs I6 and Fs Ia6b User Manual

FLYSKY FS-i6

FS-i6 6-Channel 2.4GHz AFHDS2A RC Transmitter with FS-iA6B Receiver User Manual

Brand: FLYSKY

1. INTRODUCTION

This manual provides essential information for the safe and effective operation of your FLYSKY FS-i6 6-Channel 2.4GHz AFHDS2A RC Transmitter and FS-iA6B Receiver. Please read this manual thoroughly before use to ensure proper setup, operation, and maintenance.

2. PACKAGE CONTENTS

- 1 x FS-i6 Transmitter
- 1 x FS-iA6B Receiver
- 1 x User Manual

3. PRODUCT OVERVIEW



Figure 3.1: The FS-i6 6-Channel 2.4GHz AFHDS2A RC Transmitter and included FS-IA6B Receiver.



Figure 3.2: Side view of the FS-i6 Transmitter, highlighting its ergonomic design.

SUITABLE MODELS ►

IT CAN BE EQUIPPED WITH A VARIETY OF
HELICOPTERS AND FIXED-WING AIRCRAFT

FLY-SKY FUSCO REMOTE CONTROL TELECONTROLLER

Stylish, Ultra-thin

Mono-generation system switch freely

Firmware upgrades are available to
expand channel.

External sensor module can transmit in-
formation



Figure 3.3: The FS-i6 is suitable for a variety of models including helicopters and fixed-wing aircraft. It features a stylish, ultra-thin design, mono-generation system switch, firmware upgrade capability, and external sensor module support.

USING DOT MATRIX LCD BACKLIT SCREEN

LCD controller for different data operation, you can get different results

With to record digital information in English or Chinese characters shape



Figure 3.4: The FS-i6 features a dot matrix LCD backlit screen for clear display of operational data. It supports digital information in English or Chinese characters.



Multiple models of receivers are supported, and there are many options for installing model receivers. Any receiver other than the standard needs to be purchased separately.



Figure 3.5: The FS-i6 transmitter supports multiple receiver models. Any receiver other than the standard included FS-IA6B needs to be purchased separately.



Figure 3.6: Close-up view of the FS-iA6B 6-channel 2.4GHz receiver.

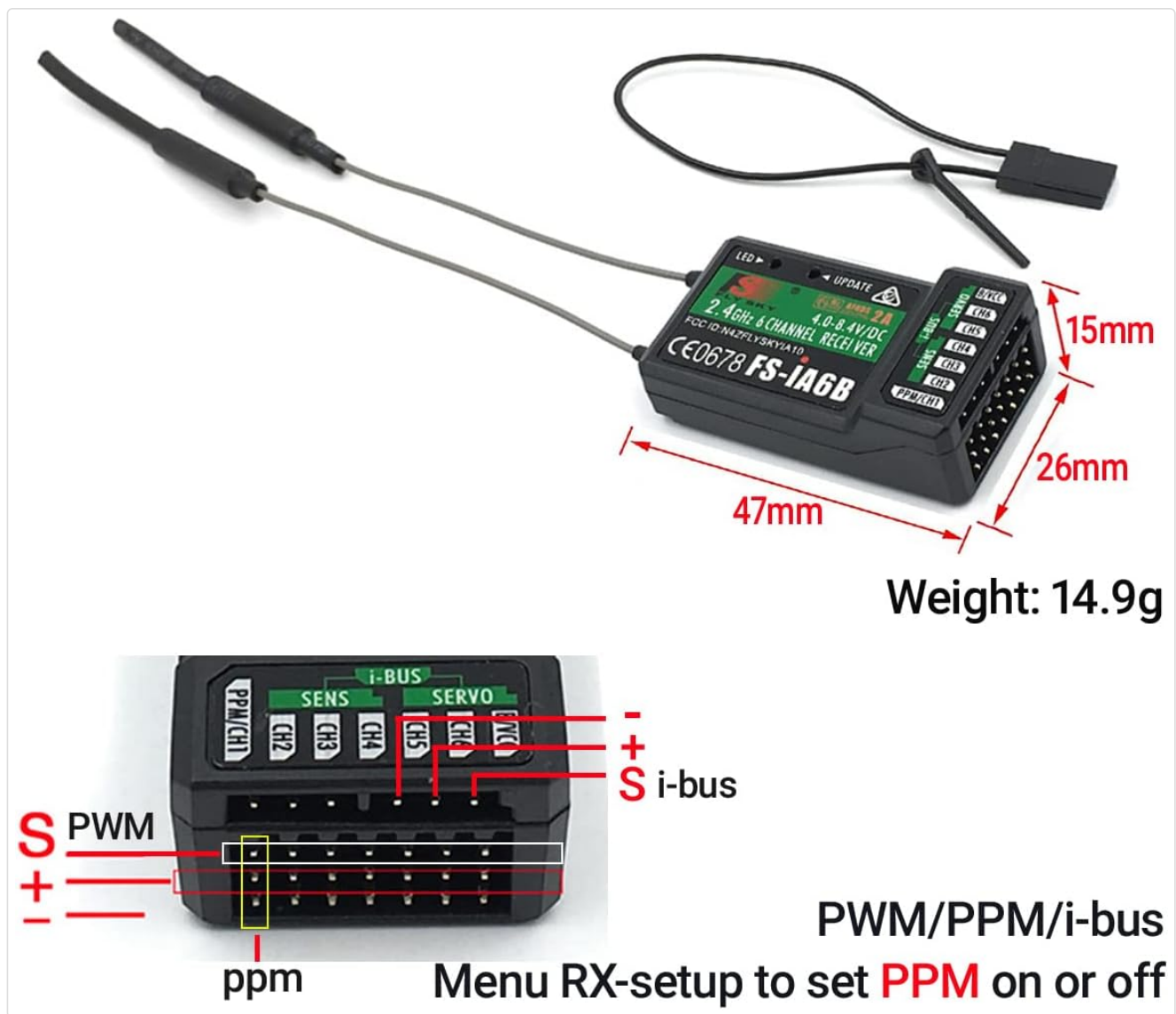


Figure 3.7: Dimensions and port types of the FS-iA6B receiver, including PWM/PPM/i-Bus interfaces.

4. SETUP

4.1. Binding Procedure (Transmitter and Receiver)

The FLYSKY transmitter and receiver are typically pre-bound before delivery. If you are using another transmitter or receiver, or if binding is lost, follow these steps:

1. Connect the supplied bind cable to the **B/VCC** port on the receiver.
2. Insert power into any other port on the receiver.
3. Hold the "BIND KEY" on the transmitter while powering it on to enter bind mode.
4. Once binding is successful, remove the power and bind cable from the receiver.
5. Then, connect the power cable to the **B/VCC** port for normal operation.
6. Check the servos' operation. If anything does not work as expected, restart this procedure from the beginning.

Your browser does not support the video tag.

Video 4.1: Official video demonstrating the binding procedure for the FS-iA6B receiver with the FS-i6 transmitter. This visual guide can assist in troubleshooting binding issues.

4.2. Powering the Transmitter

The FS-i6 Transmitter requires 6V power, typically supplied by 4 AA batteries (not included). Ensure batteries are

inserted with correct polarity.

5. OPERATING INSTRUCTIONS

The FS-i6 system utilizes a 2.4GHz AFHDS 2A (Automatic Frequency Hopping Digital System 2A) and AFHDS system, providing reliable communication with low power consumption.

- **Channels:** 6 CH for various control functions.
- **RF Range:** 2.40-2.48GHz with 500KHz bandwidth.
- **RF Power:** Less than 20dBm.
- **Code Type:** GFSK (Gaussian Frequency Shift Keying).
- **Sensitivity:** 1024.
- **Display:** Transflective STN positive type, 128*64 dot matrix VA73*39mm, with white backlight for clear visibility.
- **On-line Update:** The system supports online firmware updates.
- **Control Range:** Up to 500m under optimal conditions.

5.1. Unique ID and Interference Immunity

Each transmitter has a unique ID. When binding with a receiver, the receiver saves that unique ID and will only accept data from that specific transmitter. This feature significantly reduces the risk of interference from other transmitters and enhances operational safety.

5.2. Antenna System

The radio system incorporates a high-gain, high-quality multi-directional antenna that covers the entire frequency band. Coupled with a high-sensitivity receiver, this ensures a jamming-free and long-range radio transmission.

Your browser does not support the video tag.

Video 5.1: Official product overview video for the Flysky FS-i6 RC Transmitter with FS-IA6B Receiver, showcasing its features and components.

6. MAINTENANCE

- Keep the transmitter and receiver clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- Remove batteries from the transmitter if it will not be used for an extended period to prevent leakage.
- Avoid exposing the components to moisture or corrosive substances.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Servos not responding or erratic behavior after power-on.	Binding issue between transmitter and receiver.	Re-perform the binding procedure as described in Section 4.1. Ensure all steps are followed correctly. Refer to Video 4.1 for a visual guide.
Transmitter not powering on or low power warning.	Low battery voltage or incorrect battery installation.	Check battery polarity and replace with fresh 4 AA batteries if voltage is below 4.2V (low voltage warning threshold).

Problem	Possible Cause	Solution
Limited control range or signal loss.	Environmental interference or antenna obstruction.	Ensure clear line of sight between transmitter and receiver. Avoid operating near large metal objects or other 2.4GHz devices. Check receiver antenna placement.

8. SPECIFICATIONS

8.1. FS-i6 Transmitter Specifications

Feature	Detail
Channels	6 CH
Model Type	Glider/Heli/Airplane
RF Range	2.40-2.48GHz
Bandwidth	500KHz
RF Power	Less Than 20dBm
2.4GHz System	AFHDS 2A and AFHDS
Code Type	GFSK
Sensitivity	1024
Low Voltage Warning	Less than 4.2V
DSC Port	PS2; Output: PPM
Charger Port	No
ANT Length	26mm*2 (dual antenna)
Transmitter Weight	392g
Transmitter Size	174x89x190mm
Power	6V, 4*AA Battery (Not included)
Display Mode	Transflective STN positive type, 128*64 dot matrix VA73*39mm, white backlight
Model Memories	20
Control Range	500m

8.2. FS-iA6B Receiver Specifications

Feature	Detail
Channel	6CH
Frequency Range	2.4055--2.475GHZ

Feature	Detail
Bandwidth Number	140
Transmitting Power	≤ 20dBm
RF Receiver Sensitivity	-105dbm
2.4G System	AFHDS 2A
Code Type	GFSK
Antenna Length	26mm * 2 (dual antenna)
Input Power	4.0-6.5V DC
Dimension	47x26.2x15mm
Weight	14.9g
i-Bus Interface	Yes
Data Acquisition Interface	Yes
Model Type	Airplane/Glider/Helicopter
Compatible Transmitter	Compatible with FS-i6, FS-I6X, FS-I6S, FS-i4

8.3. General Product Specifications

- **Product Dimensions:** 7.48 x 6.8 x 3.5 inches
- **Item Weight:** 1.35 pounds
- **Country of Origin:** China
- **Item Model Number:** FS-i6
- **Manufacturer:** Shenzhen FLYSKY Technology Co.,Ltd

9. WARRANTY AND SUPPORT

For warranty information and detailed support, please refer to the official FLYSKY website or contact the seller directly. The included physical manual also contains important warranty details.