Flysky FS-i4

Flysky FS-i4 AFHDS 2A 2.4GHz 4CH Radio System Instruction Manual

Model: FS-i4 Transmitter with FS-A6 Receiver

1. Introduction

The Flysky FS-i4 AFHDS 2A 2.4GHz 4CH Radio System is a digital proportional radio control system designed for various RC models, including helicopters, gliders, airplanes, drones, cars, and boats. This system utilizes Flysky's Automatic Frequency Hopping Digital System Second Generation (AFHDS 2A) technology, providing reliable, interference-free operation with low power consumption and high receiver sensitivity. This manual provides detailed instructions for the setup, operation, and maintenance of your FS-i4 transmitter and FS-A6 receiver.

Image 1.1: The Flysky FS-i4 transmitter and FS-A6 receiver, forming a 4-channel 2.4GHz AFHDS 2A digital proportional computerized R/C system.

2. What's in the Box

Upon opening your product packaging, please verify that all the following components are included:

- Flysky FS-i4 RC Transmitter
- Flysky FS-A6 Receiver
- Bind Plug

Image 2.1: The FS-i4 transmitter, FS-A6 receiver, and bind plug as typically included in the product package.

3. Product Overview

3.1 FS-i4 Transmitter Components

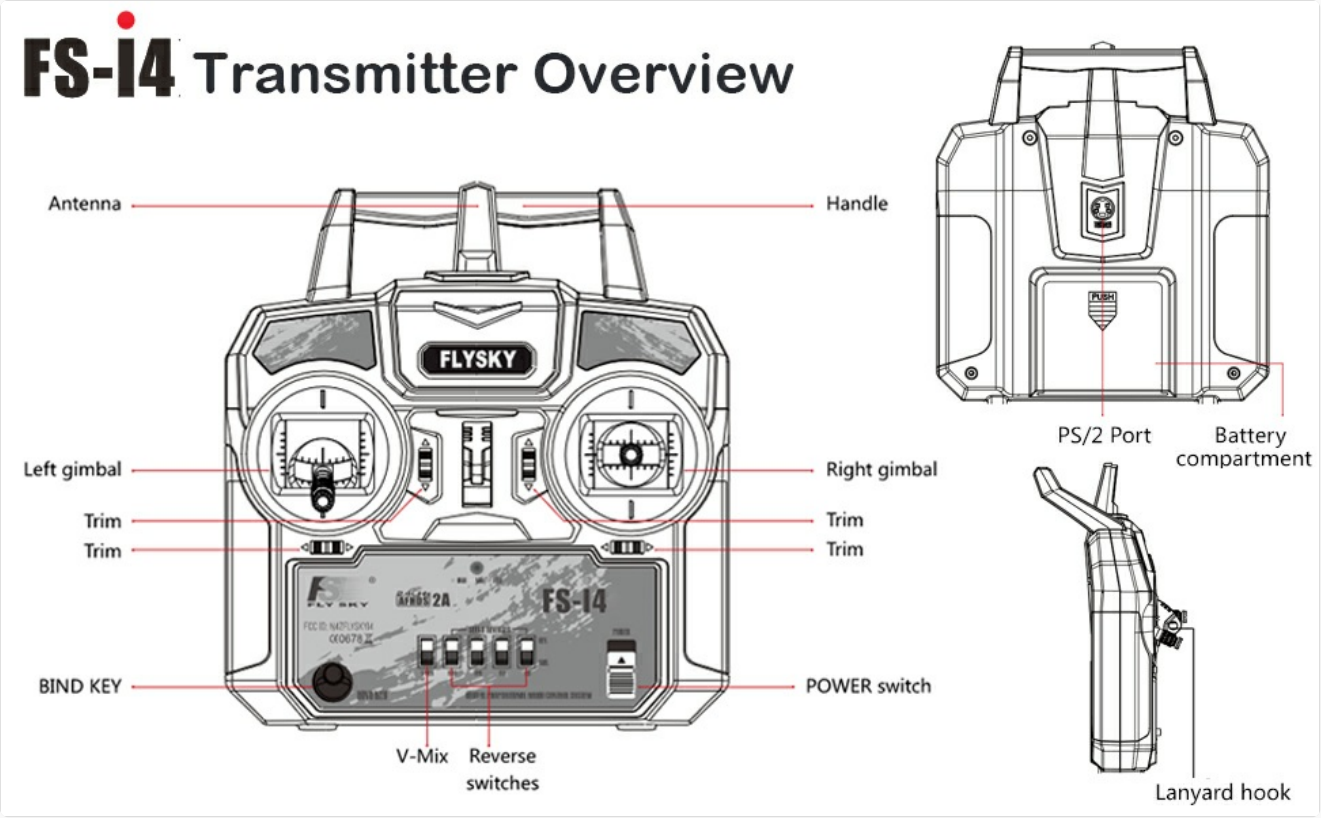


Image 3.1: Diagram illustrating the key components of the FS-i4 transmitter, including gimbals, trims, switches, antenna, handle, PS/2 port, battery compartment, bind key, and power switch.

The FS-i4 transmitter features intuitive controls and indicators:

- **Antenna:** Transmits the radio signal.
- **Handle:** For comfortable grip and carrying.
- **Left Gimbal:** Controls throttle and rudder (Mode 2).
- **Right Gimbal:** Controls aileron and elevator (Mode 2).
- **Trim Levers:** Fine-tune control surface neutral positions (V-Mix, Rud, Thr, Ele, Ail).
- **Reverse Switches:** Reverse servo direction for specific channels.
- **Power Switch:** Turns the transmitter on/off.
- **Bind Key:** Used for pairing the transmitter with the receiver.
- **PS/2 Port:** For simulator connection or firmware updates.
- **Battery Compartment:** Houses the AA batteries.

3.2 FS-A6 Receiver Overview

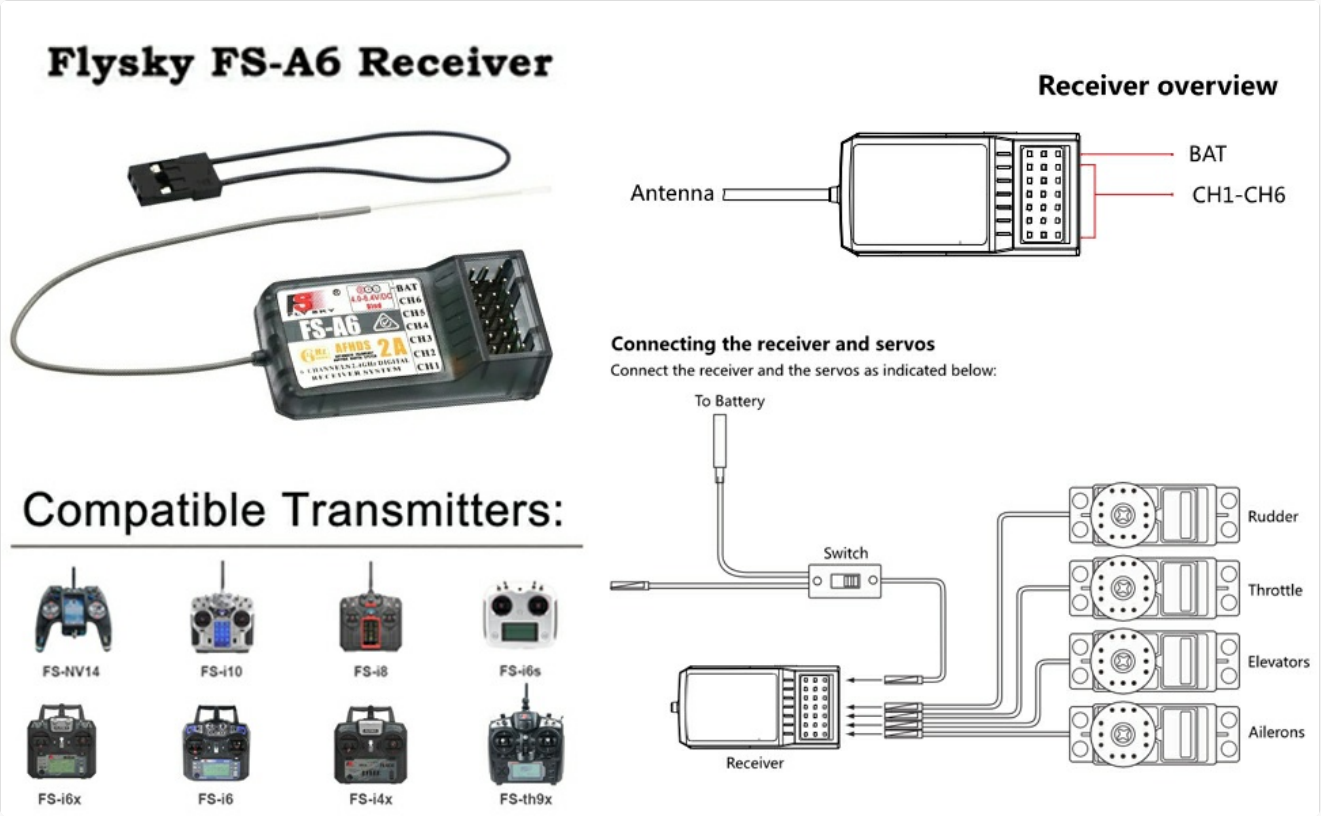


Image 3.2: Diagram showing the FS-A6 receiver's antenna, battery port (BAT), and channels (CH1-CH6), along with a typical connection setup for rudder, throttle, elevators, and ailerons.

The FS-A6 receiver is a 6-channel receiver compatible with the FS-i4 transmitter. It features a single antenna for signal reception and multiple ports for connecting servos and power.

4. Key Features

The Flysky FS-i4 radio system offers several advanced features for reliable and efficient control:

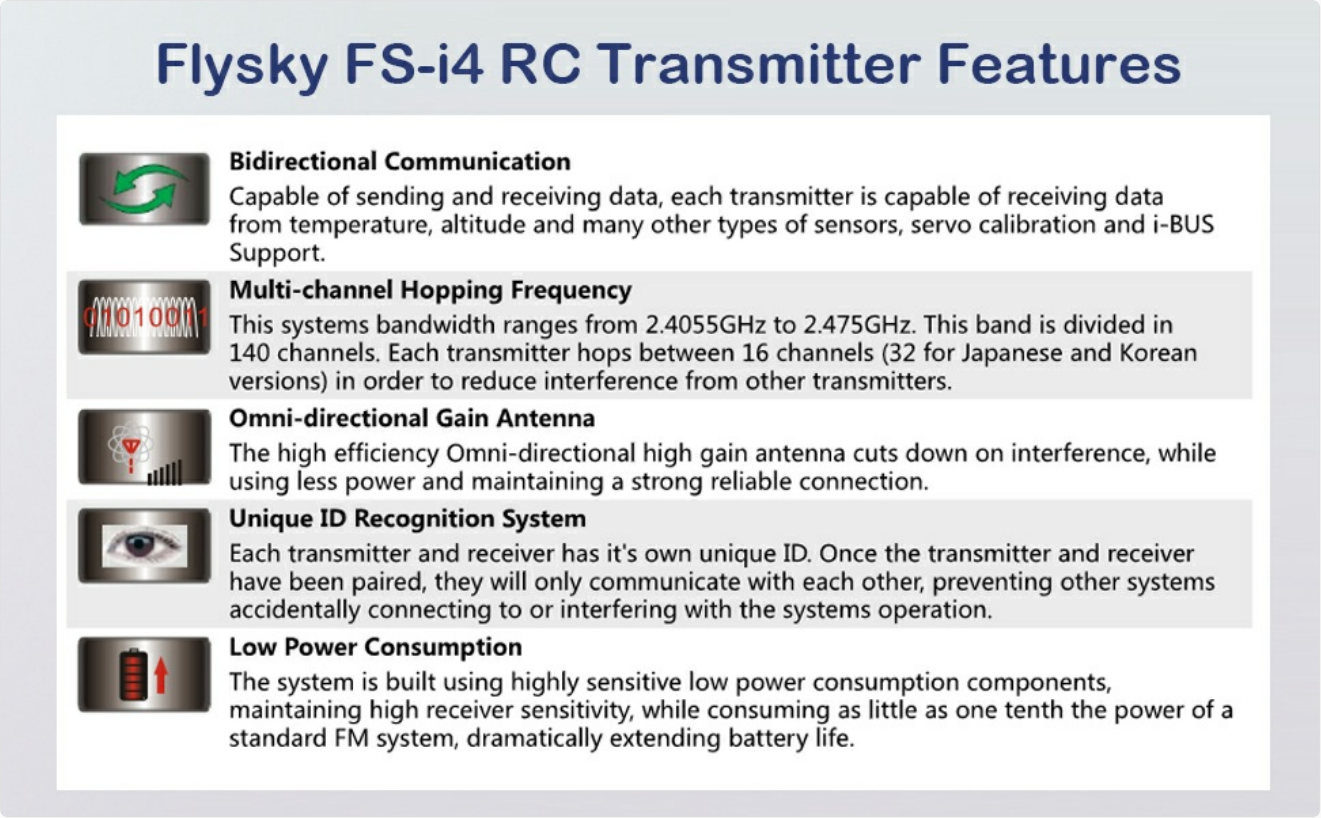


Image 4.1: Visual representation of the key features of the Flysky FS-i4 RC Transmitter.

- **Bidirectional Communication:** Capable of sending and receiving data, allowing for potential telemetry feedback (though the FS-i4 is a basic model, this is a system capability).
- **Multi-channel Hopping Frequency:** The system operates within a bandwidth range of 2.4055GHz to 2.475GHz, divided into 140 channels. Each transmitter hops across 16 channels (32 for Japanese and Korean versions) to minimize interference.
- **Omni-directional Gain Antenna:** Features a high-efficiency omni-directional antenna that reduces interference, conserves power, and maintains a strong, reliable connection.
- **Unique ID Recognition System:** Each transmitter and receiver pair has a unique ID. Once paired, they communicate exclusively with each other, preventing interference from other systems.
- **Low Power Consumption:** Built with highly sensitive, low-power consumption components, the system maintains high receiver sensitivity while consuming significantly less power than standard FM systems, extending battery life.

5. Setup

5.1 Transmitter Battery Installation

The FS-i4 transmitter requires 4 AA batteries for operation.

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

Image 5.1: View of the battery compartment on the back of the FS-i4 transmitter, showing where to insert 4 AA batteries.

5.2 Receiver Connection

Connect the FS-A6 receiver to your RC model's components (servos, ESC) as follows:

1. Identify the appropriate channels on the receiver for your model's components (e.g., CH1 for Aileron, CH2 for Elevator, CH3 for Throttle, CH4 for Rudder).
2. Connect the servo leads or ESC leads to the corresponding channels on the FS-A6 receiver. Ensure correct polarity (signal, positive, negative).
3. Connect the receiver to a power source (e.g., BEC from ESC or a dedicated receiver battery) via the BAT port or any available channel port.

6. Binding Procedure

Binding is the process of pairing the transmitter with the receiver so they can communicate exclusively. This procedure needs to be performed only once per transmitter/receiver pair.

1. Ensure the transmitter is turned OFF.

2. Insert the bind plug into the 'BIND' port on the FS-A6 receiver.
3. Power on the receiver. The receiver's LED should start flashing rapidly, indicating it is in binding mode.
4. While holding down the 'BIND KEY' button on the FS-i4 transmitter, turn on the transmitter.
5. Continue holding the 'BIND KEY' until the receiver's LED stops flashing and remains solid, indicating successful binding.
6. Release the 'BIND KEY' on the transmitter.
7. Turn off both the transmitter and the receiver.
8. Remove the bind plug from the receiver.
9. Turn on the transmitter first, then power on the receiver. The receiver's LED should illuminate solid, confirming a successful connection.

Note: Always turn on the transmitter before the receiver and turn off the receiver before the transmitter to prevent unintended model operation.

7. Operating Instructions

Once the transmitter and receiver are bound, you can operate your RC model. The FS-i4 is a 4-channel system, typically controlling the following functions:

- **Channel 1 (Aileron):** Controls roll (left/right tilt).
- **Channel 2 (Elevator):** Controls pitch (nose up/down).
- **Channel 3 (Throttle):** Controls engine/motor speed.
- **Channel 4 (Rudder):** Controls yaw (nose left/right).

7.1 Trim Adjustments

Use the trim levers located around the gimbals to make small adjustments to the neutral position of your control surfaces. This helps the model fly straight without constant stick input.

- Move the trim lever in the opposite direction of the unwanted movement. For example, if the model drifts left, apply right aileron trim.

7.2 Servo Reversing

If a control surface moves in the wrong direction relative to stick input, use the servo reverse switches on the transmitter's front panel. Flip the switch for the corresponding channel to reverse its direction.

8. Maintenance

Proper maintenance ensures the longevity and reliable performance of your radio system.

- **Cleaning:** Use a soft, dry cloth to clean the transmitter and receiver. Avoid using solvents or abrasive cleaners.
- **Battery Care:** Remove batteries from the transmitter if it will not be used for an extended period to prevent leakage.
- **Storage:** Store the radio system in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Physical Inspection:** Regularly check for any visible damage to the antenna, gimbals, switches, and wiring.

9. Troubleshooting

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
No power to transmitter	Dead or incorrectly installed batteries	Replace batteries or check polarity.
Receiver LED flashing rapidly (not solid)	Not bound to transmitter or lost signal	Perform binding procedure again. Ensure transmitter is on and close to receiver.
Control surface moves in wrong direction	Servo direction reversed	Use the servo reverse switch for the affected channel on the transmitter.
Short range or intermittent signal	Interference, low transmitter battery, or damaged antenna	Check transmitter battery level. Ensure no large metal objects are near the receiver antenna. Inspect antennas for damage.

10. Specifications

Detailed technical specifications for the Flysky FS-i4 Transmitter and FS-A6 Receiver:

Feature	Specification
Model Number	FS-i4
Channels	4 Channels
Frequency Band	2.4GHz AFHDS 2A
Modulation	GFSK
Power Supply (Transmitter)	4 x AA Batteries
Product Dimensions (Transmitter)	6.85 x 3.5 x 7.48 inches (17.4 x 8.9 x 19 cm)
Item Weight (Transmitter)	1.26 pounds (0.57 kg)
Receiver Model	FS-A6
Receiver Channels	6 Channels
Recommended Age	14 years and up

Image 10.1: Diagram illustrating the dimensions of the FS-i4 transmitter and FS-A6 receiver in both centimeters and inches.

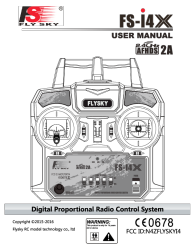
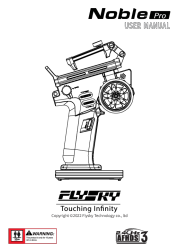
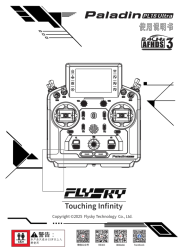
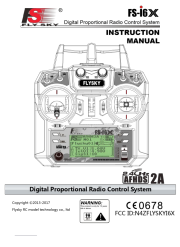
11. Safety Guidelines

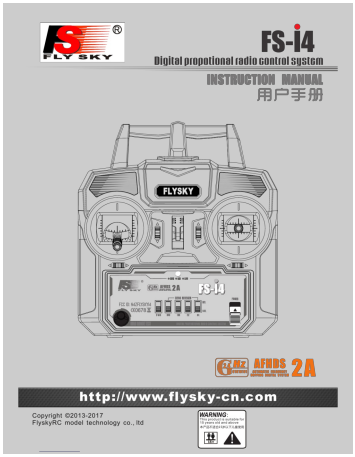
Always adhere to the following safety guidelines when operating your RC equipment:

- Operate RC models in open areas, away from people, animals, and property.
- Never operate your RC model near power lines, roads, or bodies of water.
- Ensure all batteries are fully charged before operation.
- Always turn on the transmitter before connecting the receiver battery, and disconnect the receiver battery before turning off the transmitter.
- Regularly inspect your model and radio system for any damage or loose connections.
- If you are new to RC, seek guidance from experienced hobbyists or join a local RC club.

For further support, please visit the official Flysky website or contact your local dealer.

Related Documents - FS-i4

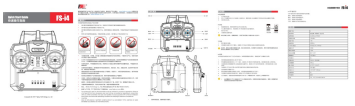
	Flysky FS-i4X User Manual: Digital Proportional Radio Control System Comprehensive user manual for the Flysky FS-i4X 4-channel 2.4GHz AFHDS 2A digital proportional radio control system. Covers setup, operation, safety, functions, customization, specifications, and FCC statement.
	Flysky Noble Pro User Manual - Advanced Radio Control System Guide Comprehensive user manual for the Flysky Noble Pro radio control system, detailing setup, operation, functions, specifications, and safety guidelines for RC models. Learn to use the transmitter, receivers, and advanced features for optimal performance.
	Paladin PL18 Ultra | Flysky 18 Flysky Paladin PL18 Ultra 18 2.4GHz AFHDS 3 Paladin PL18 Ultra Paladin PL18 Ultra
	Flysky FS-i6X Digital Proportional Radio Control System: Instruction Manual Comprehensive instruction manual for the Flysky FS-i6X Digital Proportional Radio Control System, covering setup, operation, functions, and specifications for RC enthusiasts.
	Flysky FS-i6X 2.4GHz Radio Control System Instruction Manual A comprehensive guide to the Flysky FS-i6X 6-channel 2.4GHz AFHDS 2A digital proportional radio control system, covering setup, operation, functions, safety, and specifications for RC models.
	FlySky FS-GT2E Digital Proportional Radio Control System Instruction Manual Comprehensive instruction manual for the FlySky FS-GT2E 2.4GHz digital proportional radio control system, covering features, operation, safety guidelines, and specifications for car and boat models.



[Fly Sky FS-i4 2.4GHz AFHDS 2A Digital Proportional Radio Control System Instruction Manual]

Comprehensive instruction manual for the Fly Sky FS-i4 4-channel 2.4GHz AFHDS 2A digital proportional radio control system, covering setup, operation, safety, specifications, and packaging.

lang:en score:49 filesize: 5.1 M page_count: 17 document date: 2019-07-24



[pdf] Quick Start Guide Guide

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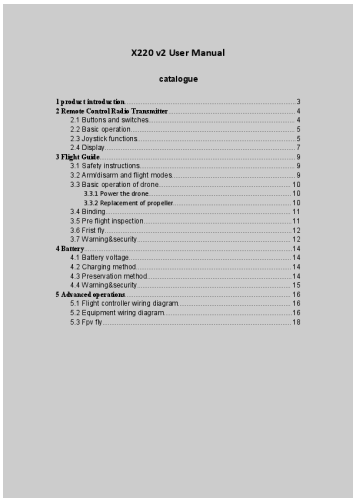
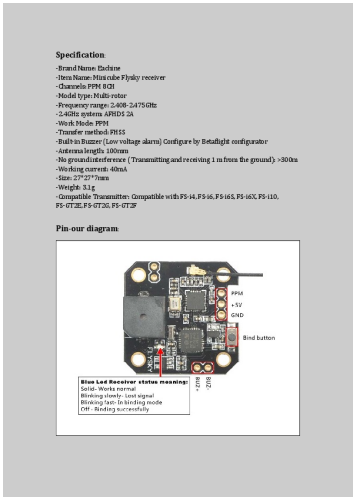


[Eachine X220 v2 FPV Racing Drone User Manual and Flight Guide]

Comprehensive user manual and flight guide for the Eachine X220 v2 FPV Racing Drone, covering setup, operation, safety, battery management, and advanced features. Includes details on the Flysky FS-i6X remote control and other components.

lang:en score:30 filesize: 1.41 M page_count: 24 document date: 2021-07-02



[pdf] User Manual Specifications Diagram

Specification xyrpro Banggood -Brand Name Eachin -Item Minicube Fly e sky receiver -Channels PPM 8CH 75GHz -Model type Multi-rotor -Frequency range 2 408-2 4 Flysky compatible 8ch AFHDS 2A Manual files banggood 2016 12

Specification: -Brand Name: Eachine -Item Name: Minicube Flysky receiver -Channels: PPM 8CH -Model t ... 300m -Working current: 40mA -Size: 27*27*7mm -Weight: 3.1g -Compatible Transmitter: Compatible with FS-i4, FS-i6, FS-i6S, FS-i6X, FS-i10, FS-GT2E, FS-GT2G, FS-GT2F Pin-our diagram: Bind procedure: -...

lang:en score:26 filesize: 128.47 K page_count: 2 document date: 2017-01-23

[pdf] User Manual Guide

1 user9 FS I4 Banggood system this user manual will bring you easily to a new world of fun and sophistication In all cases please read carefully completely as it contains information keep safe

i4 Chinese English Manual imgmgr banggood images upload 2015 07

FS-I4 Digital propotional radio control system A h t t p : / / w w w. f l y s k y - c n . c o m ... Digital propotional radio control system **FS-I4** 1. Introduction Thank you for choosing the Fly Sky FS-i4 4 channels 2.4GHz AFHDS2A computerized digital proportional R/C airplane and helicopter system...

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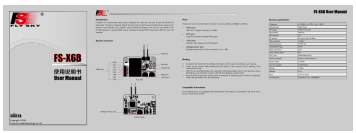


[pdf] User Manual Installation Guide

FS X6B RC Groups The receiver is compatable with all AFHDS 2A Transmitters for example i10 i8 i6 i6S i6X i4 i4X User Manual Receiver20161129 rcgroups forums showatt attachmentid 9564503 |||

FS-X6B User Manual Introduction FS-X6B is a 6 channel two-way receiver designed for multi-rotor ai ... ver is compatable with all AFHDS 2A Transmitters, for example FS-i10, FS-i8, FS-i6, FS-i6S, FS-i6X, FS-i4, FS-i4X. Receiver specification Channels Model type RF range Bandwidth RF channel RF power RX...

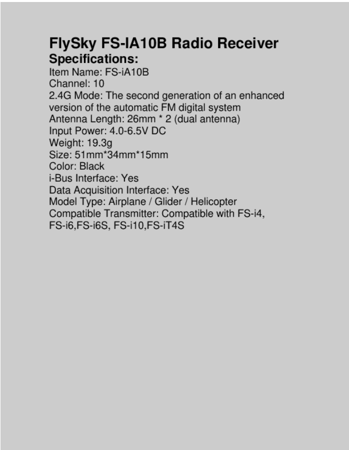
lang:en score:23 filesize: 439.59 K page_count: 2 document date: 2016-11-29

[pdf] Decleration of Conformity

RED 36 FS i4 Declaration of Conformity Title Created Date 9 18 2019 2 19 35 PM 49ac8c4f6f flyskytech u file photo 20200304 |||

DECLARATION OF CONFORMITY Hereby we, Manufacturer Name: ShenZhen FLYSKY Technology Co.,Ltd Manufactu ... at this product: Product description: Digital propotional radio control system Type designation s : FS-i4 is in conformity with the relevant Union harmonization legislation: Radio Equipment directive:...

lang:en score:23 filesize: 988 K page_count: 1 document date: 2019-09-18



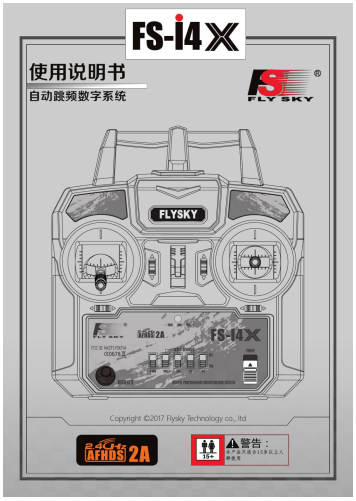
FlySky FS-IA10B Radio Receiver
Specifications:
Item Name: FS-iA10B
Channel: 10
2.4G Mode: The second generation of an enhanced version of the automatic FM digital system
Antenna Length: 26mm * 2 (dual antenna)
Input Power: 4.0-6.5V DC
Weight: 19.3g
Size: 51mm*34mm*15mm
Color: Black
i-Bus Interface: Yes
Data Acquisition Interface: Yes
Model Type: Airplane / Glider / Helicopter
Compatible Transmitter: Compatible with FS-i4, FS-i6,FS-i6S, FS-i10,FS-iT4S

[pdf] Specifications Datasheet

VK FlySky FS IA10B Radio Receiver Specifications Item Name iA10B Channel 10 2 4G Mode The second generation of an enhanced version the automatic FM inf srsltid AfmBOoqsXxqw5l9z7NUXhwKX0ASydZbNFhTqPUciV8w7mfA 2rwi9vXC rcscomponents kiev ua datasheets FM FlySky FM Data Acquisition Interface Yes Model Type Airplane Glider Helicopter Compatible Transmitter with i4 i6 i6S i10 iT4SData iT4SFlySky iT4SFS 2rwi9vXCFS AfmBOopRMPXjxJl WztldO82jaNLhKwUYOhi3ZWnqR WzSY5VBIe5QV3FS AfmBOop44g akGvgSBIjKBr6HNYLtPIZpq8bINFhVKfBPiO8ib r 1nbFS AfmBOoqkVE6955YxlajDeNjIOghOEbd5zJ5O9uSWGEXsC2M9Wx9KIE6iFS AfmBOoptRy1M6xqBizstaof36KNcYVB FbhBUImVD0ig9DjfWpf5CO8TFS AfmBOooPzJN8xkaAfSMjk4YrtGAEMwD8igEU3FBqmLJeuSrbwY18nP4YFS AfmBOor 7tvRA0ZIYbDRXVS0E2h4lfs5Ln1FyzUnGJWrAy6WN J0dYx7FS AfmBOopLN8BoTVm6qGS2n1ZSQiX8tT ZK2rK zOjkn9N0xyJ YHEy1CmFS AfmBOooTIUXp3rQLLIbM8Y58mfeoqaplg IIYPGS0t9umlSQfIvaYiBZFS infrcscomponents 2rwi9vXCrcscomponents WzSY5VBIe5QV3rcscomponents 1nbrcscomponents AfmBOoqkVE6955YxlajDeNjIOghOEbd5zJ5O9uSWGEXsC2M9Wx9KIE6ircscomponents FbhBUImVD0ig9DjfWpf5CO8Trcscomponents AfmBOooPzJN8xkaAfSMjk4YrtGAEMwD8igEU3FBqmLJeuSrbwY18nP4Yrcscomponents J0dYx7rcscomponents YHEy1Cmrcscomponents IIYPGS0t9umlSQfIvaYiBZrcscomponents AfmBOor3VdOftTSPhxP6kLxGfh56Jt0eQ7g7evhHNrwPXZ JHnrgNcTA FM FS infFS JHnrgNcTArcscomponents AfmBOorZxyybfxOL5V2FMQm13UK rHKTaItLylq7jua1YHfyUcJjCEqS rHKTaItLylq7jua1YHfyUcJjCEqSrcscomponents AfmBOor0 3zu MIrOlZ5EXJa1zh 6uhPJC PmPZsgQylH Om1msJco A Arcscomponents AfmBOoqGtPkftT2yeXbBMlxPrKM25IS p4LunXx07Il7ECMEIz1Yy3U p4LunXx07Il7ECMEIz1Yy3Urcscomponents AfmBOopOKeEiwhhx72fLiaTAIQQF9C vQFz1vOvRyoIKjhFWn K5HBYk ||| ||| FlySky FS-IA10B Radio Receiver Specifications: Item Name: FS-iA10B Channel: 10 2.4G Mode: The second generation of an enhanced version of the automatic FM digital system Antenna Length: 26mm * 2 dual antenna Input Power: 4.0-6.5V DC Weight: ||| FlySky FS-IA10B Radio Receiver Specifications: Item Name: FS-iA10B Channel: 10 2.4G Mode: The second generation of an enhanced version of the automatic FM digital system Antenna Length: 26mm * 2 dual antenna Input Power: 4.0-6.5V DC Weight: ||| FlySky FS-IA10B Radio Receiver Specifications: Item Name: FS-iA10B Channel: 10 2.4G Mode: The second generation of an enhanced version of the automatic FM digital system Antenna Length: 26mm * 2 dual antenna Input Power: 4.0-6.5V DC Weight: ||| FlySky FS-IA10B Radio Receiver Specifications: Item Name: FS-iA10B Channel: 10 2.4G Mode: The second generation of an enhanced version of the automatic FM digital system Antenna Length: 26mm * 2 dual antenna Input Power: 4.0-6.5V DC Weight: ||| FlySky FS-IA10B Radio Receiver Specifications: Item Name: FS-iA10B Channel: 10 2.4G Mode: The second generation of an enhanced version of the automatic FM digital system Antenna Length: 26mm * 2 dual antenna Input Power: 4.0-6.5V DC Weight:

FlySky FS-IA10B Radio Receiver Specifications: Item Name: FS-iA10B Channel: 10 2.4G Mode: The second ... n Interface: Yes Model Type: Airplane / Glider / Helicopter Compatible Transmitter: Compatible with FS-i4, FS-i6,FS-i6S, FS-i10,FS-iT4S ...

lang:en score:20 filesize: 177.52 K page_count: 1 document date: 2024-11-20



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FS-I4 Copyright 2017 Flysky Technology co., ltd www.flysky-cn.com 1. .... 1. 1.1 1.2 2.4GHz 1 2. **FS-I4** FS-i4X FS-A6 2.4GHz AFHDS 2A FS-i4X FS-i4 2.1 AFHDS 2A i-BUS 2.408GHz 2.475GHz 135 1...

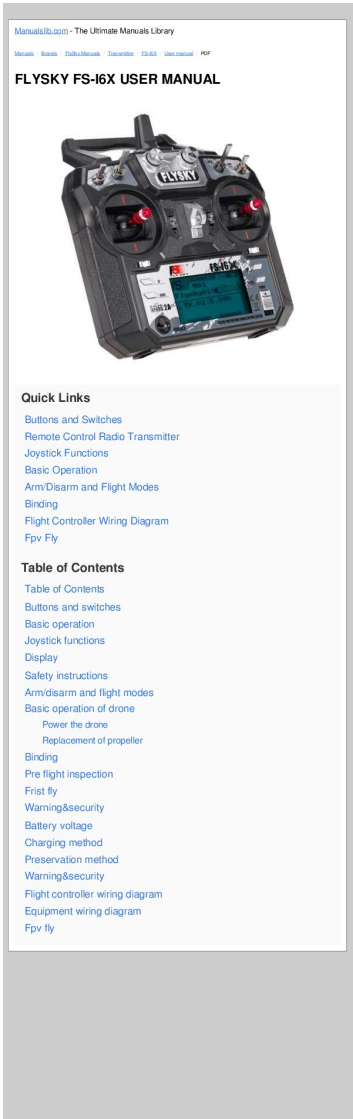
lang:i-klingon score:19 filesize: 6.57 M page_count: 22 document date: 2020-07-16

[pdf] User Manual Quick Start Guide Specifications

Operator s Manual HITEC RCD Hitec USA Quad Racer 280 with preinstalled Motors Speed Control Receiver Flight System FPV Camera and Video Transmitter 2 Clear Paintable Canopy Clips Ready to Fly Racing Drone GETTING STARTED Once you have unpackaged your drone there are a few steps 8 Battery Charger w AC Power Cord 9 4 x AA Alkaline Batteries Indicates 300mv voltage difference in the pack 1 Is fully charged Are transmitter batteries full Never fly when low indicator is lit 3 VTX Monitor on same frequency Created Date 16 2016 12 35 22 PM 432 QR280 MANUAL FINAL RS hitecrcd mail images products 80

Ready to Fly FPV Racing Drone Operator s Manual INTRODUCTION Get ready to bring the raceway to the ... onents or internal assemblies. FCC Information Transmitter Manufacturer: FlySky Co, LTD Model Name: FS-i4 Operating Frequency: 2.4 GHz FCC ID: N4ZFLYSKYI4 Video Transmitter Manufacturer: SKYRC Technol...

lang:en score:17 filesize: 1.67 M page_count: 9 document date: 2016-05-13



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Quick Links

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Comprehensive user manual for the FlySky FS-i6X remote control transmitter and a guide for the X220 v2 FPV racing drone, covering setup, operation, safety, and technical specifications.

lang:en score:15 filesize: 1.58 M page_count: 25 document date: 2024-09-07