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> GoolRC FS-iA10B 2.4G 10CH Receiver Instruction Manual

## GoolRC FS-iA10B

# GoolRC FS-iA10B 2.4G 10CH Receiver Instruction Manual

Model: FS-iA10B | Brand: GoolRC

## 1. PRODUCT OVERVIEW

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The GoolRC FS-iA10B is a high-performance 10-channel 2.4G receiver designed for remote control aircraft. It utilizes the advanced AFHDS 2A (Automatic Frequency Hopping Digital System Second Generation) protocol, ensuring reliable and interference-free communication between your transmitter and model. This receiver is suitable for a wide range of RC applications, including airplanes, gliders, and helicopters.

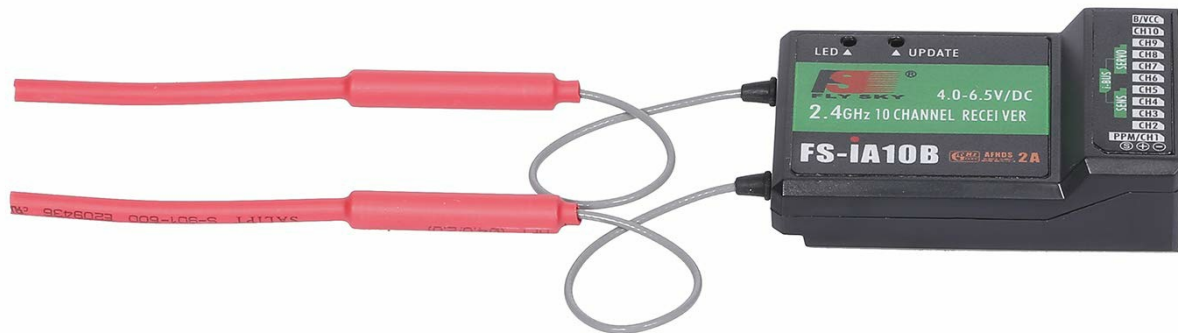


Figure 1: The GoolRC FS-iA10B 2.4G 10-channel receiver with its dual antennas.

## 2. COMPATIBILITY

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The FS-iA10B receiver is compatible with a variety of Flysky transmitters that support the AFHDS 2A protocol. It is designed for use with various RC models.

### 2.1 Compatible Transmitters

- Flysky FS-i6
- Flysky FS-i6S
- Flysky FS-i6X
- Flysky FS-i10
- Flysky FS-GT2E
- Flysky FS-GT2F
- Flysky FS-GT2G
- Flysky FS-it4S

- Flysky FS-GT5
- Flysky FS-i8
- Flysky FS-TM10

## 2.2 Suitable Model Types

- Airplanes
- Gliders
- Helicopters

SUITABLE TRANSMITTER FLYSKY  
 FS-I6 FS-I6S FS-I6X FS-I10 FS-GT2E  
 FS-GT2F FS-GT2G FS-IT4S FS-GT5  
 FS-I8 FS-TM10 TRANSMITTER;

SUITABLE MODELS:  
 AIRPLANE / GLIDER / HELICOPTER

Figure 2: Compatible Flysky transmitters and suitable RC model types for the FS-iA10B receiver.

## 3. SPECIFICATIONS

Below are the detailed technical specifications for the GoolRC FS-iA10B receiver:

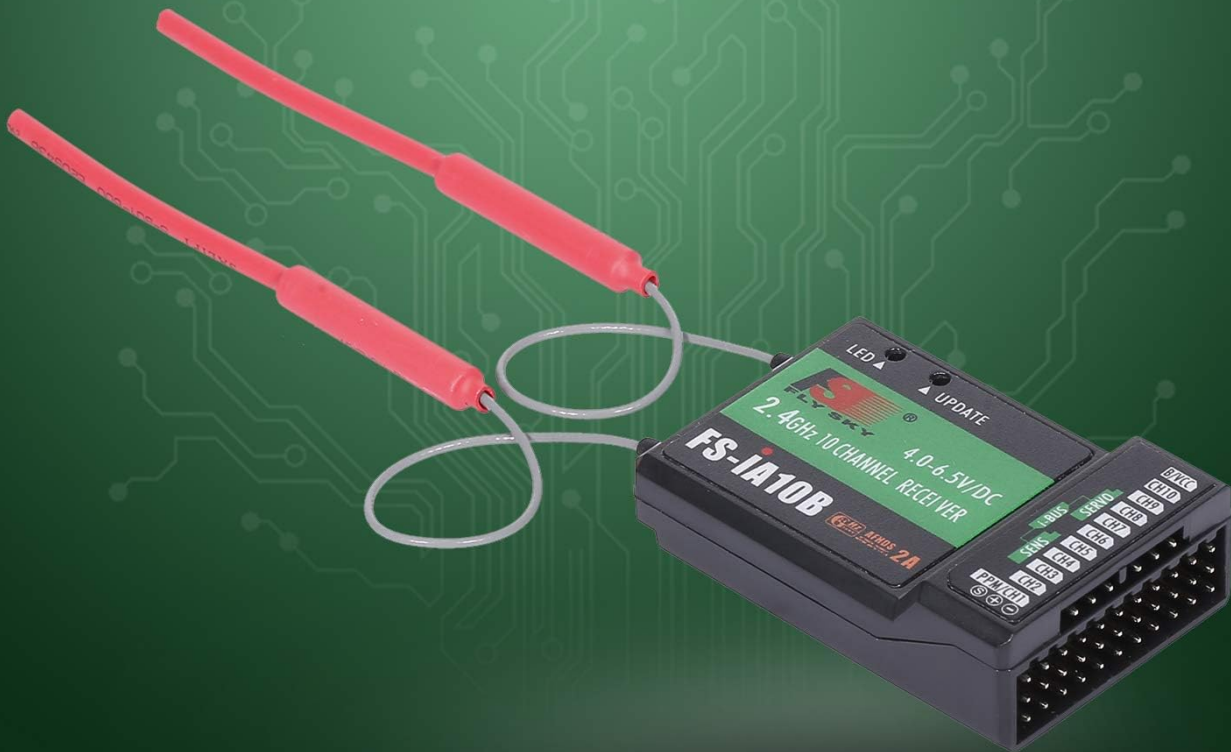
Feature	Specification
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Feature	Specification
Product Model	FS-iA10B
PWM Channels	10
Wireless Frequency	2.4G
Wireless Protocol	AFHDS 2A
Remote Control Distance	500-1500m (in the air)
Antenna Type	Dual copper tube antenna (150mm * 2)
Power Input	4.0-6.5V
RSSI Support	Supported
Data Interface	PWM / PPM / i.bus / s.bus
Temperature Range	-10°C to +60°C
Humidity Range	20%-95%
Online Update	Supported
Dimensions	5 * 3.2 * 1.5 cm





# 2.4G MODE



## ■ AUTOMATIC FREQUENCY SECOND GENERATION DIGITAL SYSTEM

Figure 5: The FS-IA10B utilizes 2.4G AFHDS 2A technology for reliable communication.

Once bound, the receiver will continuously communicate with the transmitter. Ensure that the transmitter is always powered on before the receiver and powered off after the receiver to prevent unintended control inputs.

## 6. MAINTENANCE

To ensure the longevity and optimal performance of your FS-IA10B receiver, follow these maintenance guidelines:

- **Keep Dry:** Avoid exposing the receiver to moisture or liquids, as this can cause damage to internal electronics.
- **Temperature Control:** Operate and store the receiver within its specified temperature range of  $-10^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ . Extreme temperatures can affect performance and lifespan.
- **Cleanliness:** Keep the receiver free from dust, dirt, and debris. Use a soft, dry brush or compressed air for cleaning.
- **Antenna Care:** Ensure the dual copper tube antennas are not bent, cut, or damaged. Proper antenna placement is critical for signal reception.
- **Firmware Updates:** The receiver supports online updates. Periodically check the manufacturer's website for available firmware updates to improve performance or add new features.

## 7. TROUBLESHOOTING

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If you encounter issues with your FS-iA10B receiver, consider the following troubleshooting steps:

- **No Power:** Check the power supply (4.0-6.5V) and all connections to ensure they are secure and correctly polarized.
- **No Signal/Binding Failure:**
  - Ensure the transmitter is powered on and in range.
  - Re-attempt the binding process carefully, following the transmitter's instructions.
  - Verify that the transmitter is set to the correct protocol (AFHDS 2A).
  - Check for any physical damage to the receiver's antennas or internal components.
- **Intermittent Signal/Reduced Range:**
  - Ensure antennas are positioned correctly and not obstructed by carbon fiber or metal parts of the model.
  - Check for sources of interference (e.g., other 2.4G devices, high-power electronics).
  - Verify the power supply to the receiver is stable.
- **Incorrect Channel Output:** Confirm that the receiver is correctly bound to the transmitter and that the channel assignments on your transmitter match your model's requirements.

If problems persist after attempting these steps, please contact customer support.

## 8. WARRANTY AND SUPPORT

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GoolRC provides a warranty for this product. In case of any issues, please contact the seller or GoolRC customer support within the warranty period for assistance. We are committed to providing a 100% satisfactory solution to any problems you may encounter.

For further support, please refer to the contact information provided with your purchase or visit the official GoolRC website.