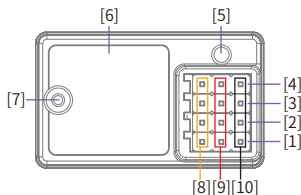


产品介绍 Introduction

FS-R4B-BS 是一款采用 2A-BS 协议，提供 4 通道的接收机。外置单天线，可输出 PWM 信号能够实现单向传输，采用自动对码，设计小巧紧凑，可适配多种车、船使用。

FS-R4B-BS is a receiver in compliance with the 2A-BS protocol, providing 4 channels. It is equipped with a single antenna externally. It can output PWM signal and also can implement one-way transmission, featuring the compact design. FS-R4B-BS can be adapted to a variety of car and boat models.

接收机概览 Receiver overview



- [1] CH1
- [2] CH2
- [3] CH3
- [4] CH4
- [5] LED
- [6] 贴纸
- [7] 天线
- [8] S (信号脚)
- [9] + (电源正极)
- [10] - (电源负极)

- [1] CH1
- [2] CH2
- [3] CH3
- [4] CH4
- [5] LED
- [6] Sticker
- [7] Antenna
- [8] Signal Pin
- [9] + (Power Anode)
- [10] - (Power Cathode)

产品规格 Product specification

- 产品型号: FS-R4B-BS
- 适配发射机: FS-G4P-BS, FS-MG4-BS
- 适合机种: 车或船
- 通道个数: 4
- 无线频率: 2.4GHz ISM
- 无线协议: 2A-BS
- 天线类型: 单天线
- 遥控距离: > 150 米 (空旷无干扰地面距离)
- 输入电源: 3.5-8.4V/DC
- 工作电流: < 30mA/5V
- 数据输出: PWM
- 温度范围: -10°C ~ +60°C
- 湿度范围: 20% ~ 95%
- 防水等级: PPX4
- 在线更新: 无
- 外形尺寸: 30.2*18.0*13.0mm
- 机身重量: 5g
- 认证: CE, FCC

- Product Name: FS-R4B-BS
- Compatible Transmitters: FS-G4P-BS, FS-MG4-BS
- Model Type: Cars, Boats, ect.
- Number of Channels: 4
- RF: 2.4GHz ISM
- 2.4G Protocol: 2A-BS
- Antenna: Single Antenna
- Distance: > 150m (Ground distance without interference)
- Input Power: 3.5-8.4V/DC
- Working Current: < 30mA/5V
- Data Output: PWM
- Temperature Range: -10°C ~ +60°C
- Humidity Range: 20% ~ 95%
- Waterproof: PPX4
- Online Update: No
- Dimensions: 30.2*18.0*13.0mm
- Weight: 5g
- Certification: CE, FCC

对码 Binding

本款接收机上电即自动进入对码状态。

1. 将发射机进入对码状态 (发射机进入对码状态的方式可能不同，请根据发射机的使用说明书进行操作)；
2. 接收机上电等待 2 秒没有连接将自动进入对码；
3. 对码成功后，接收机 LED 指示灯常亮；

注：

1. 对码时请先将发射机进入对码状态，再将接收机进入对码状态，若 10s 内对码没有完成，接收机指示灯进入慢闪状态；
2. 因本款接收机仅支持单向对码，若对码的发射机支持双向模式切换，请先在发射机端设置为单向模式后再开始对码。

The receiver automatically enters the binding state once it is powered on.

1. First put the transmitter into bind mode (See the transmitter's user manual for instructions on how to activate bind mode.).
2. When the receiver is powered on and waits for 2 second, it will automatically enter the binding state if it is not connected.
3. After the binding is successful, the LED indicator of the receiver is solid on.

Notes:

1. Set the transmitter to its binding state first, and then set the receiver to its binding state. If the binding is not finished within 10s, the LED of the receiver will enter its slow flashing state.
2. Because this receiver only supports one-way binding, if the binding transmitter supports one-way and two-way mode binding, please set the one-way mode at the transmitter side before starting the binding.

失控保护 Failsafe

此功能用于当接收机无法正常收到发射机的信号不受控制时，保护模型和操作人员的安全。该接收机默认失控后保持最后输出，若已在发射机端设置，则按照设置值输出。

This function protects the user by preventing the model from behaving unexpectedly if signal is lost. The receiver will maintain the last output after it is out-of-control. If you set failsafe value at the transmitter side, the set value will be output if the signal is lost.

⚠ 注意事项:

- 使用前必须确保本产品与模型安装正确，否则可能导致模型发生严重损坏。
- 关闭时，请务必先关闭接收机电源，然后关闭发射机。如果关闭发射机电源时接收机仍然在工作，将会导致遥控设备失控。失控保护设置不合理可能引起事故。
- 确保接收机安装在远离电机，电子调速器或电子噪声过多的区域。
- 接收机天线需远离导电材料，例如金属棒和碳物质。为了避免影响正常工作，请确保接收机天线和导电材料之间至少有 1 厘米以上的距离。
- 准备过程中，请勿连接接收机电源，避免造成不必要的损失。

⚠ Attentions:

- Make sure the product is installed and calibrated correctly, failure to do so may result in serious injury.
- Make sure the receiver's battery is disconnected before turning off the transmitter, failure to do so can result out of control. Unreasonable setting of the Failsafe may cause accidents.
- Make sure the receiver is mounted away from motors, electronic speed controllers or any device that emits excessive electrical noise.
- Keep the receiver's antenna at least 1cm away from conductive materials such as carbon or metal.
- Do not power on the receiver during the setup process to prevent loss of control.

认证相关 Certification

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

EU DoC Declaration

Hereby, [Flysky Technology co., Ltd] declares that the Radio Equipment [FS-R4B-BS] is in compliance with RED 2014/53/EU. The full text of the EU DoC is available at the following internet address: www.flysky-cn.com.

RF Exposure Compliance

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Environmentally friendly disposal

Old electrical appliances must not be disposed of together with the residual waste, but have to be disposed of separately. The disposal at the communal collecting point via private persons is for free. The owner of old appliances is responsible to bring the appliances to these collecting points or to similar collection points. With this little personal effort, you contribute to recycle valuable raw materials and the treatment of toxic substances.



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Figures and illustrations in this manual are provided for reference only and may differ from actual product appearance. Product design and specifications may be changed without notice.

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