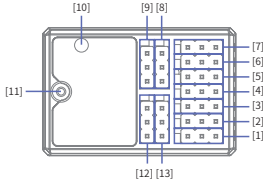


产品介绍 Introduction

FS-R11P-BS 是一款采用 2A-BS 通信协议，提供 11 通道的双向接收机，外置单天线，输出 PWM 信号，可适配多种模型车和模型船使用。

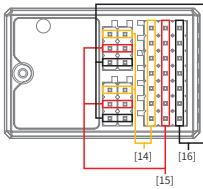
FS-R11P-BS based on 2A-BS protocol is a receiver which provides 11-channel and bidirectional transmission, featuring external single antenna and PWM signal output. It can adapted to a variety of model cars or boats.

接收机概览 Overview



- [1] CH1 通道接口
- [2] CH2 通道接口
- [3] CH3 通道接口
- [4] CH4 通道接口
- [5] CH5 通道接口
- [6] CH6 通道接口
- [7] CH7 通道接口
- [8] CH10 通道接口
- [9] CH11 通道接口

- [10] LED 指示灯
- [11] 天线
- [12] CH9 通道接口
- [13] CH8 通道接口
- [14] S (通道接口信号端)
- [15] "+" (通道接口正极)
- [16] "-" (通道接口负极)



- [1] CH1 Interface
- [2] CH2 Interface
- [3] CH3 Interface
- [4] CH4 Interface
- [5] CH5 Interface
- [6] CH6 Interface
- [7] CH7 Interface
- [8] CH10 Interface
- [9] CH11 Interface

- [10] LED
- [11] Antenna
- [12] CH9 Interface
- [13] CH8 Interface
- [14] S(CH Interface Signal Pin)
- [15] "+"(CH Interface Anode)
- [16] "-"(CH Interface Cathode)

产品规格 Specifications

- 产品型号: FS-R11P-BS
- 适配发射机: FS-MG11-BS
- 适配模型: 车、船
- PWM 通道数: 11
- 无线频率: 2.4GHz ISM
- 发射功率: <20dBm
- 天线类型: 外置单天线 (同轴)
- 遥控距离: >150 米 (空旷无干扰地面距离)
- 无线协议: 2A-BS
- 通道分辨率: 4096 级
- 数据输出: PWM
- 输入电源: 3.5 ~ 8.4V/DC
- 工作电流: 20mA/5V
- 在线更新: 无
- 温度范围: -10°C ~ +60°C
- 湿度范围: 20% ~ 95%
- 防水等级: PPX4
- 外形尺寸: 35.0mm*23.3mm*13.3mm
- 机身重量: 8g
- 认证: CE, FCC ID: 2A2UNR11P01

- Product Name: FS-R11P-BS
- Adaptive Transmitter: FS-MG11-BS
- Adaptive Models: Cars or boats
- PWM Channels: 11
- RF: 2.4GHz ISM
- Maximum Power: <20dBm (e.i.r.p.) (EU)
- Antenna: Single External Antenna
- Distance: >150m (Ground Distance without Interference)
- 2.4G Protocol: 2A-BS
- Resolution: 4096
- Data Output: PWM
- Input Power: 3.5 ~ 8.4V/DC
- Working Current: 20mA/5V
- Online Update: None
- Temperature Range: -10°C ~ +60°C
- Humidity Range: 20% ~ 95%
- Waterproof: PPX4
- Dimensions: 35.0mm*23.3mm*13.3mm
- Weight: 8g
- Certifications: CE, FCC ID: 2A2UNR11P01

对码 Binding

本款接收机上电即自动进入对码状态，操作步骤如下：

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 1 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；
4. 检查发射机、接收机是否正常工作。如需重新对码，请重复以上步骤。

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 10 秒内对码没有完成，接收机指示灯进入慢闪状态；
2. FS-R11P-BS 接收机采用 2A-BS 协议，只兼容该协议的发射机。

对码 Binding

The receiver will automatically enter bind mode matching state upon power-on. The operation steps are as follows:

1. Put the transmitter in bind mode(The transmitter may enter bind mode in different ways, please follow the transmitter's instruction manual).
2. The receiver is powered on and wait 1 second. If there is no connection, the receiver will automatically enter bind mode.
3. The receiver LED will be solid on after the binding process is successful.
4. Check to make sure the transmitter and receiver functions are working correctly, repeat steps 1 to 3 (binding process) if any problems arise.

Notes:

1. During the bind mode, put the transmitter in bind mode first, then put the receiver in bind mode, If the binding process is not completed within 10 seconds, the receiver LED goes into a slow flashing state.
2. The FS-R11P-BS receiver complies with the 2A-BS protocol and is only compatible with transmitters conforming to this protocol.

失控保护 Failsafe

失控保护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。

本款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。

注：该接收机无论是否在发射端设置，当失控保护功能触发时，CH2 通道油门无输出信号。

The failsafe function is used to protect the model and personnel when the receiver loses its signal and is out of control .

By default, the receiver will keep the final output after losing control. If it has been set at the transmitter end, it will output according to the set value.

Note: Whether the receiver is set at the transmitting end or not, the CH2 channel throttle has no output signal when the failsafe function is triggered.

⚠ 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 Certifications

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-R11P-BS] is in compliance with RED 2014/53/EU. The full text of the EU DoC is available at the following internet address: www.flyskytech.com/info_detail/10.html

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 20 centimeters between the radiator and your body.

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.



FCC ID: 2A2UNR11P01



微信公众号



Bilibili



Website



Facebook

Manufacturer: ShenZhen FLYSKY Technology Co., Ltd.

Address: 16F, Huafeng Building, No. 6006 Shennan Road, Futian District, Shenzhen, Guangdong, China

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[Http://www.flysky-cn.com](http://www.flysky-cn.com)

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