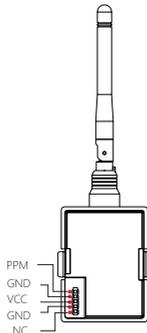
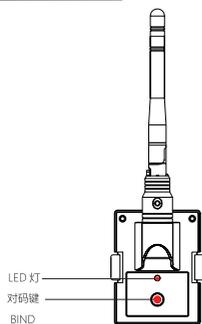


### 产品介绍 Introduction

FS-RM003 采用的 2.4GHz 第二代增强版自动跳频数字系统，能有效的预防外界干扰，具备失控保护功能，兼容市面标准 JR 插槽遥控器。

The 2.4GHz Automatic Frequency Hopping Digital System Second Generation adopted by FS-RM003 can effectively prevent external interference, has the function of failsafe protection, and is compatible with the standard JR slot transmitters available on the market.

### 概览 Overview



PPM 接口: PPM 信号输入  
GND: 接电源负极  
VCC: 接电源正极  
NC: 无连接

PPM Port: PPM signal input  
GND: Connect to battery negative pole  
VCC: Connect to battery positive pole  
NC: None Connect

### 产品规格 Product specification

- 产品名称: FS-RM003
  - 无线频率: 2.4G ISM
  - 发射功率: <20dBm (EU)
  - 无线协议: AFHDS 2A
  - 输入电源: 4.5~18V
  - 天线类型: 外置单天线
  - 在线更新: 无
  - 温度范围: -10°C—+60°C
  - 湿度范围: 20%-95%
  - 外形尺寸: 178\*52\*40mm
  - 机身重量: 41g
  - 安规认证: CE, FCC ID: N4ZRM00300
- Model Name: FS-RM003
  - RF: 2.4G ISM
  - RF Power: <20dBm (EU)
  - 2.4GHz Protocol: AFHDS 2A
  - Input Power: 4.5~18V
  - Antenna: Single Antenna
  - Online Update: No
  - Temperature Range: -10°C—+60°C
  - Humidity Limit: 20%-95%
  - Dimensions: 178\*52\*40mm
  - Weight: 41g
  - Certification: CE, FCC ID: N4ZRM00300

### 对码 Binding

本款高频头具备两种对码方式。对码时，请先将 2.4G 高频头安装连接好，然后进入对码状态进行对码；

方法一：

- 请先将 PPM 接口连接好，长按高频头 BIND 键，同时接通电源；LED 工作指示灯快闪表示进入对码状态；LED 工作指示灯常亮表示对码成功；

方法二：

- 当高频头未收到接收机回传时，LED 工作指示灯慢闪，快速（2S 内）短按 3 下对码键，重新进入对码状态。

注：用户可根据实际情况自行选择其中一种对码方式，若对码失败，请重复方法一或者方法二的对码步骤。

The RF module allows two binding methods. During binding, please install and connect the 2.4G RF module first, and then access the binding state for binding;

Method 1:

- Please connect the PPM interface first, press and hold the BIND key of RF module and turn on the power supply at the same time. The LED indicator flashes quickly, the device enters the binding state; The LED indicator is always on, the binding is successful;

Method 2:

- When the RF module does not receive the feedback from the receiver, the LED indicator flashes slowly, the binding key is pressed 3 times quickly (within 2S) to re-enter into the binding state.

Note: The user can choose one of the binding methods according to the actual situation. If the binding fails, please repeat the binding steps of Method 1 or Method 2.

### 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。

- 高频头上电对码成功进入正常状态后，长按对码按键 3S 至指示灯快闪触发失控保护设置，高频头将当前的通道值作为失控保护值保存并发给接收机，失控保护即设置成功。

This function protects the user by preventing the model from behaving unexpectedly if signal is lost.

- After the RF module is powered on, binding successfully and enters into the normal state, press the BIND key for 3S until the indicator light flashes to trigger the fail-safe protection setting. The RF module saves the current channel value as the fail-safe protection value and sends it to the receiver, and the fail-safe protection is set successfully.

### 兼容性 Compatibility

- 该高频头兼容 PL18/NV14/FS-TH9X 以及其他有 PPM 信号输出的遥控器。
- 该高频头兼容 FS-X14S、FS-iA8X、FS-X8B、FS-X6B、FS-A6、FS-iA6、FS-A3、FS-iA6B、FS-iA4B、FS-iA10B 等所有 2A 代协议的接收机。
- The FS-RM003 V2 module is compatible with the PL18 / NV14 / FS-TH9X along with various other Radios when using PPM output.
- The FS-RM003 V2 module is compatible with all AFHDS 2A receivers such as the FS-X14S、FS-iA8X、FS-X8B、FS-X6B、FS-A6、FS-iA6、FS-A3、FS-iA6B、FS-iA4B、FS-iA10B.etc.

#### ► 注意事项:

- 使用前必须确保本产品与发射机安装正确，否则可能导致模型发生严重损坏。
- 高频头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，请确保高频头和导电材料之间至少有 1 厘米以上的距离。
- 在使用过程中，严禁紧握高频头天线，否则将会大大减弱无线电传播信号的质量和强度。
- 准备过程中，请勿连接接收机电源，避免造成不必要的损失。
- 当遥控距离持续较远时，有发生失控的可能，请适当缩短遥控的距离。
- 建议使用外部电池为其供电，以防供电不足导致高频头无法正常使用。

#### ► Attention:

- Make sure the product is installed and calibrated correctly, failure to do so may result in serious injury.
- Keep the RF's antenna at least 1cm away from conductive materials such as carbon or metal.
- In order to ensure good signal quality, do not hold the RF antenna during use.
- Do not power on the receiver during the setup process to prevent loss of control.
- Make sure to remain within range to prevent loss of control.
- It is recommended that an external power supply is used in order to make sure that the RF module is getting enough power to function correctly.

### 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-RM003 V2] 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](http://www.flysky-cn.com).

#### RF Exposure Compliance

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. 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.



FCC ID : N4ZRM00300