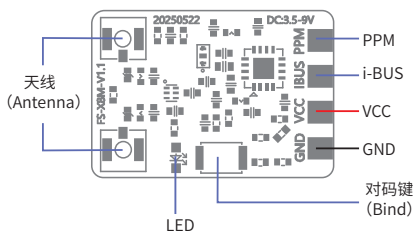


产品介绍 Introduction

FS-X8M 是一款适合穿越机使用的微型接收机，采用 AFHDS 2A（第二代增强版自动跳频数字系统）。它外置双天线，支持双向传输，可输出 PPM/i-BUS/S.BUS 信号，支持所有 AFHDS 2A 发射机。

The FS-X8M is a micro receiver designed for FPV drones, utilizing the AFHDS 2A (Automatic Frequency Hopping Digital System Second Generation). It features dual external antennas, supports two-way communication, and can output PPM/i-BUS/S.BUS signals. Compatible with all AFHDS 2A transmitters.

接收机概览 Overview



用于连接接收机与模型的各个部件。

- GND：连接地线。
- VCC：电源电压为 3.5~9V。
- i-BUS：默认输出 i-BUS 信号。可在 [接收机设置] 菜单下将接口协议设置为 i-BUS 或 S.BUS。
- PPM：输出标准的 PPM 信号。

注：接收机将 RSSI 数据转换成 CH14 通道值通过 i-BUS/S.BUS 输出给飞控，信号强度为 0 时对应通道值为 1000，信号强度为 100 时对应通道值为 2000，线性对应相关。

Used to connect the receiver to various components of the model.

GND: Connect to the ground wire.

VCC: Power supply voltage ranges from 3.5V to 9V.

i-BUS: The default output is i-BUS signal. The interface protocol can be set to i-BUS or S.BUS in the [Receiver Settings] menu.

PPM: Outputs standard PPM signals.

Note: The receiver converts RSSI data into CH14 channel values and transmits them to the flight controller via i-BUS/S.BUS. A signal strength of 0 corresponds to a channel value of 1000, while a signal strength of 100 corresponds to a channel value of 2000, with a linear relationship between the values.

产品规格 Product Specifications

- 产品型号：FS-X8M
- 适配发射机：FS-i6 等 AFHDS 2A 协议发射机
- 适配模型：穿越机
- 无线频率：2.4GHz ISM
- 发射功率：小于 20dBm
- 无线协议：AFHDS 2A
- 通道分辨率：1024 级
- 天线口：一代 ipex
- 天线类型：双天线（同轴电缆天线）
- 遥控距离：> 500 米（空旷无异常电信号干扰地面距离）
- 工作电压：3.5~9V/DC
- 输出数据：PPM/i-BUS/S.BUS
- 固件更新：不支持
- 温度范围：-10°C ~ +60°C
- 湿度范围：20% ~ 95%
- 外形尺寸：19.0*13.0*4.0mm
- 机身重量：0.9g（不含天线）
- 认证：CE, FCC ID: 2A2UNX8M00

- Product Model: FS-X8M
- Compatible Transmitters: FS-i6 (transmitters with AFHDS 2A protocol)
- Compatible RC Models: Racing Drone
- RF: 2.4GHz ISM
- Maximum Power: < 20dBm (e.i.r.p.) (EU)
- RF Protocol: AFHDS 2A
- Resolution: 1024
- Antenna Interface: Gen 1 ipex
- Antenna: Two antennas (Coaxial Cable Antenna)
- Distance: More than 500m (Ground distance free from abnormal RF interference)
- Operating Voltage: 3.5~9V/DC
- Data Output: PPM/i-BUS/S.BUS
- Firmware Update: Not Supported
- Temperature Range: -10°C ~ +60°C
- Humidity Range: 20% ~ 95%
- Dimensions: 19.0*13.0*4.0mm
- Weight: 0.9g (antenna excluded)
- Certifications: CE, FCC ID: 2A2UNX8M00

对码 Binding

本款接收机支持双向对码和单向对码，双向对码完成后发射机将显示接收机回传的信息。

双向对码步骤：

1. 发射机（支持双向通信）进入对码状态；
2. 本接收机支持两种方式进入对码状态：按键对码和通电后按键对码
 - 按键对码：按住接收机对码按键同时上电，接收机 LED 灯快闪表示进入对码状态，松开对码键；
 - 通电后按键对码：接收机上电后未与发射机通通过，长按对码键 3 秒，接收机指示灯快闪表示进入对码状态，松开对码键。
3. 接收机 LED 灯常亮，即对码成功（发射机对码成功后自动退出对码状态）；
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。

单向对码步骤：

1. 发射机（支持单向通信）进入对码状态；
2. 本接收机进入对码状态（进入对码状态的方式请参考双向对码时描述）；
3. 接收机 LED 灯变为慢闪后将发射机退出对码状态，此时接收机 LED 灯常亮，表示对码成功；
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：对码时先将发射机进入对码状态，再将接收机进入对码状态。

The receiver supports two-way binding and one-way binding. The transmitter will display the information returned from the receiver after the two-way binding is completed.

Follow the steps below to bind in two-way binding:

1. Set 2WAY for RF standard of the transmitter, then put the transmitter into bind mode.
2. The receiver supports two ways to enter bind mode: BIND button binding and BIND button binding after power-on.
 - BIND button binding: Press and hold the BIND button of the receiver while powering on the receiver, the LED of the receiver should be flashing, indicating that the receiver is in bind mode. Then release the BIND button.
 - BIND button binding after power-on: The receiver has not been connected to the transmitter when it is powered on. Press and hold the BIND button for 3 seconds, the LED of the receiver should be flashing, indicating that the receiver is in bind mode. Then release the BIND button.
3. When the LED of the receiver is solid on, the binding process should be completed. The transmitter exits the bind mode automatically.
4. Check to make sure the transmitter and receiver functions are working correctly, repeat steps 1 to 3 (binding process) if any problems arise.

Follow the steps below to bind in one-way binding:

1. Set 1WAY for RF standard of the transmitter, then put the transmitter into binding mode.
2. Put the receiver into binding mode (Refer to the description above for entering bind mode).
3. After the receiver LED becomes slow flashing, then put the transmitter to exit the binding state. At this time, the receiver LED is solid on, indicating the binding 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.

Note: Put the transmitter into binding mode first, then put the receiver into binding mode.

失控保护 Failsafe

失控保护功能用于在接收机失去信号不受控制后，接收机按设置好的失控保护值进行通道输出以保护模型及人员安全。

本款接收机默认保持最后输出，即失控后所有通道将保持最后接收到的信号输出；若用户已在发射机设置失控保护，则接收机将按照预设的失控保护通道值输出。

The failsafe function is used to output the channel value according to the out-of-control protection value set by the user after the receiver loses its signal and is out of control to protect the model and personnel.

By default, this receiver maintains the last output, meaning all channels will hold the last received signal in case of signal loss. If the user has set up failsafe on the transmitter, the receiver will output channel values according to the preset failsafe configuration.

⚠ 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。
- 为了一切正常，请养成先开发射机再接收机通电以及先接收机断电再关闭发射机的习惯。
- 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。

⚠ Attention:

- Make sure the product is installed and calibrated correctly, failure to do so may result in serious injury.
- Normally, you must power on the transmitter and then receiver, and power off the receiver and then the transmitter.
- 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, [ShenZhen FLYSKY Technology Co., Ltd.] declares that the Radio Equipment [FS-X8M] 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/ISED RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 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: 2A2UNX8M00



微信公众号



Bilibili



Website



Facebook

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