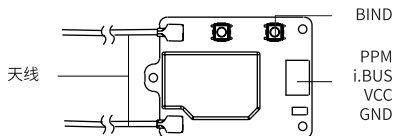


## 产品介绍 Introduction

FS-X8B 是一款专用于多旋翼飞机的双向接收机，采用了 AFHDS 2A（第二代增强版自动跳频数字系统）。它体积小巧便于安装，可输出标准 PPM 信号和 18 个通道的 i-BUS 信号。

The FS-X8B is a compact 2-way receiver designed for multi-rotor aircraft. It uses the AFHDS 2A (Second Generation Automatic Frequency Hopping Digital System) protocol, supports standard PPM output and has i-BUS support for up to 18 channels.

## 接收机概览 Receiver overview



用于连接接收机与模型各个部件。

PPM 信号接口：输出标准的 PPM 信号。

i-BUS 信号接口：用于输出 i-BUS 信号，最多可支持 18 个通道。

These ports connect the receiver to various models, components and flight controllers.

PPM signal port: Outputs standard PPM signal.

i-BUS signal port: Outputs i-BUS signal, up to 18 channels.

### ► 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，将有可能导致遥控设备失控或者引擎继续工作而引发事故。

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.

Make sure the receiver's battery is disconnected before turning off the transmitter, failure to do so may lead to unintended operation or loss of control.

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.

## 对码 Binding

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. 按住接收机上的对码按键，并为接收机连接电源。接收机上的指示灯快闪表示接收机进入对码状态；
  - 对码成功后，接收机状态指示灯由快速闪烁变为常亮。
3. 检查发射机、接收机、模型是否正常工作。如有异常，重复以上步骤重新对码。

1. For information on putting the transmitter into bind mode please refer to the transmitters user manual.
2. Power on the receiver while holding the bind button. If the receiver's LED is flashing this means it has entered bind mode.
  - If binding is successful the receiver's LED will stop flashing and remain solid.
3. Restart the receiver and check to make sure the model and receiver work as expected. If anything does not work as correctly, restart this procedure from the beginning.

## 产品规格 Product specification

- 通道个数: 8 个
  - 适用机型: 多轴飞行器
  - 频率范围: 2.408-2.475GHz
  - 波段宽度: 500KHz
  - 波段个数: 135 个
  - 发射功率: <20dBm(EU)
  - 接收灵敏度: - 92dBm
  - 2.4GHz 模式: 第二代增强版自动跳频数字系统
  - 调制方式: GFSK
  - 低电压报警: 无
  - 数据输出: PPM/i-BUS
  - 充电接口: 无
  - 天线长度: 93mm( 双天线 )
  - 输入电源: 4.0 ~ 8.4V
  - 在线更新: 无
  - 空旷无干扰地面距离 ( 发射接收距地面 1 米 ) : 大于 300m
  - 工作电流: 50mA
  - 外形尺寸: 32\*22.5\*7.5mm
  - 机身重量: 3.7g
  - 安规认证: CE, FCC
- Channels: 8
  - Model type: Multi-rotor
  - RF range: 2.408-2.475GHz
  - Bandwidth: 500KHz
  - RF channel: 135
  - RF power: <20dBm(EU)
  - RX sensitivity: -92dBm
  - 2.4GHz system: AFHDS 2A
  - Modulation type: GFSK
  - Low voltage alarm: None
  - DSC port: PPM/ i-BUS
  - Chargeable: None
  - Antenna length: 93mm
  - Power input: 4.0 ~ 8.4V
  - On-line update: None
  - No ground interference (Transmitting and receiving 1m from the ground): >300m
  - Operating current: 50mA
  - Size: 32\*22.5\*7.5mm
  - Weight: 3.7g
  - Certificate: CE, FCC

## 认证相关 Certification

### FCC regulatory compliance information

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.

### End product labelling requirements

Please notice that if the FCC identification number is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following: "Contains FCC ID: N4ZX8B00" any similar wording that expresses the same meaning may be used.

Part 15.19 Labelling requirements shall be followed and implemented on end user device. Integrator please notice to bear the following statement in a conspicuous location on the device:

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.

### 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.

### Installation Notice

The module is limited to OEM installation ONLY.

The OEM integrator is responsible for ensuring that the end-user has no manual instruction to remove or install

## 认证相关 Certification

module.

The module is limited to installation in mobile application;

A separate approval is required for all other operating configurations, including portable configurations with respect to Part 2.1093 and difference antenna configurations.

### FCC Part 15B Compliance of End Device

The OEM integrator is responsible for ensuring that the host product which is installed and operating with the module is in compliant with Part 15B unintentional Radiator requirements, please note that For a Class B digital device or peripheral, the instructions furnished the user manual of the end-user product shall include the following or similar statement, placed in a prominent location in the text of the manual:

Note: 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.



FCC ID : N4ZX8B00