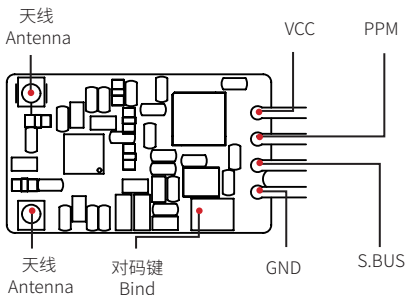


产品介绍 Introduction

FS-X14S 是一款专用于穿越机的双天线单向传输接收机，采用了 AFHDS 2A。它体积小巧便于安装，可输出标准 PPM 信号和 S.BUS 信号。

The FS-X14S is a dual antenna one way receiver using the AFHDS 2A protocol. It's compact, easy to install and can output using a standard PPM or S.BUS signal.

接收机概览 Receiver overview



用于连接接收机与模型的各个部件。

VCC: 电源电压为 3.5~8.4V。

PPM 信号接口: 输出标准的 PPM 信号。

S.BUS 信号接口: 用于输出 S.BUS 信号。

GND: 连接地线。

注: 接收机将 RSSI 数据转换成 CH14 通道值通过 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。

These ports connect the receiver to various models, component's and flight controllers.

VCC: Power supply voltage from 3.5 – 8.4V.

PPM signal port: Outputs standard PPM signal.

S.BUS signal port: Outputs S.BUS signal.

GND: Connect to ground wire.

Note: The receiver uses CH14 for output of RSSI data to the onboard flight controller via i-BUS/S.BUS. The receiver signal strength data from the onboard flight controller will be displayed as values between 0 and 100 (100 being max signal strength) and the corresponding values displayed on CH14 on the transmitter will be 1000 and 2000 (2000 being max signal strength).

产品规格 Product specification

- 产品型号: FS-X14S
- 适用机型: 穿越机
- 无线频率: 2.4G
- 无线协议: AFHDS 2A
- 天线类型: 双天线
- 输入电源: 3.5 ~ 8.4V
- 数据输出: PPM/S.BUS
- 温度范围: -15°C—+60°C
- 湿度范围: 20~95%
- 在线更新: 无
- 外形尺寸: 21mm*12mm*3.1mm
- 机身重量: 2g
- 安规认证: CE, FCC

- Product Name: FS-X14S
- Model Type: Racing Drone
- RF: 2.4GHz
- 2.4G Protocol: AFHDS 2A
- Antenna: Dual Antenna
- Input Power: 3.5-8.4V
- Data Output: PPM/S.BUS
- Temperature Range: -15°C—+60°C
- Humidity Limit: 20%-95%
- Online Update: No
- Dimensions: 21mm*12mm*3.1mm
- Weight: 2g
- Certification: CE, FCC

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. 按住接收机对码键同时接通电源, LED指示灯绿色快闪即进入对码状态;
接收机对码成功后, LED指示灯绿色常亮, 即可与发射机正常通信;
接收机未对码或者掉码后, LED指示灯红色慢闪;
接收机发生硬件错误时, LED指示灯红色常亮。
3. 检查发射机、接收机、模型是否正常工作。如需重新对码, 请重复以上步骤重新对码。

对码 Binding

1. First put the transmitter into bind mode (see the transmitter's user manual for instructions on how to activate bind mode.)
2. Press receiver's bind key and connect the receiver to power at the same time. The receiver's green LED will start to flash quickly indicating that it has entered bind mode.
When the receiver's green LED stops flashing the transmitter and receiver have successfully bound.
When the receiver's red LED flash slowly indicating losing signal.
If there is a critical hardware error the LED will remain red.
3. Check to make sure that the transmitter and receiver are working as expected, if there are any issues or unexpected operation follow the steps above to bind again.

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时，保护模型和操作人员的安全。

- 若发射机未设置失控保护通道值输出，接收机在进入失控保护状态后 S.BUS 保持最后输出，PPM 无输出；若发射机设置了失控保护，设置后各通道依照发射机设置的参数输出。具体操作详见各发射机失控保护章节。

This function protects your vehicle by preventing unexpected behaviors in case of signal lost.

- If the transmitter is not set with fail-safe channel value output, S.BUS keeps the final output after the receiver enters fail-safe state, and PPM has no output; If the transmitter is set with fail-safe mode, each channel will be output according to the parameters set by the transmitter. Please refer to the failsafe section of each transmitter for specific operation.

► 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.
- 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.

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.

DoC Declaration

Hereby, [Flysky Technology co., ltd] declares that the Radio Equipment [FS-X14S] 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.

CE Warning

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

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.

CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

