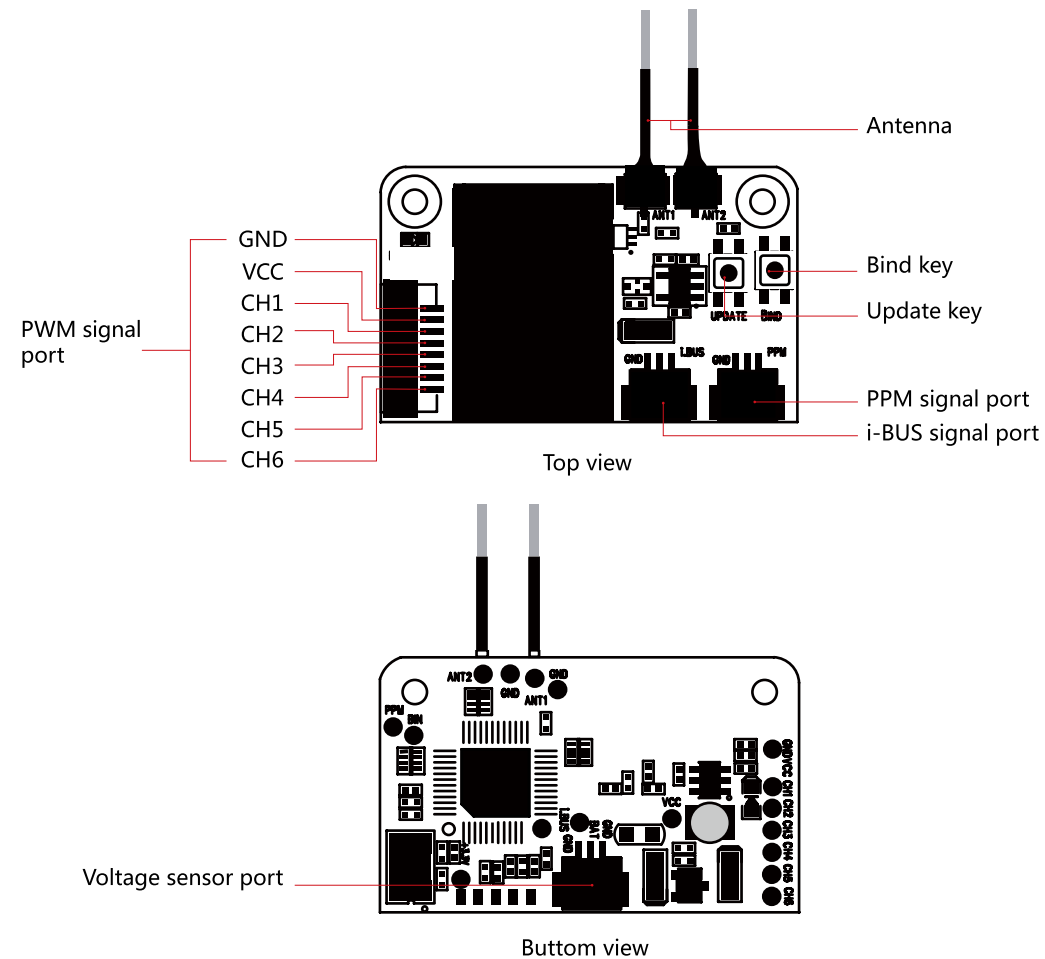


### Introduction

FS-X6B is a 6 channel two-way receiver designed for multi-rotor aircraft. It uses the AFHDS 2A (Automatic Frequency Hopping Digital System) protocol and dual omnidirectional antenna with superior noise reduction techniques. It's compact, easy to install and boasts a rich easy to use interface. The FS-X6B supports 6 channel PWM output, standard PPM output and i-BUS support for up to 18 channels alongside a reliable voltage sensor interface.

### Receiver Overview



### Ports

These ports are for connecting the receiver to various models and flight controllers.

**PWM signal port :**  
GND, VCC. Outputs channels 1-6 PWM.

**PPM signal port:**  
Outputs standard PPM signal.

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

**Voltage sensor port:**  
External power sensor (1S-4S connector) +0 to +18V.

### Binding

- To prepare the transmitter for binding information refer to your transmitter's user manual.
- Power on the receiver while holding the bind button. If the receiver's LED is flashing this means it has entered bind mode.  
After the successful binding, the transmitter will automatically return to the previous menu. If binding is successful the receiver's LED will stop flashing and remain solid.
- Check if all the model and receiver work as expected. If anything does not work as expected, restart this procedure from the beginning.

### Compatible Transmitters

The FS-X6B receiver is compatible with all AFHDS 2A Transmitters, for example FS-i10, FS-i8, FS-i6, FS-i6S, FS-i6X, FS-i4, FS-i4X.

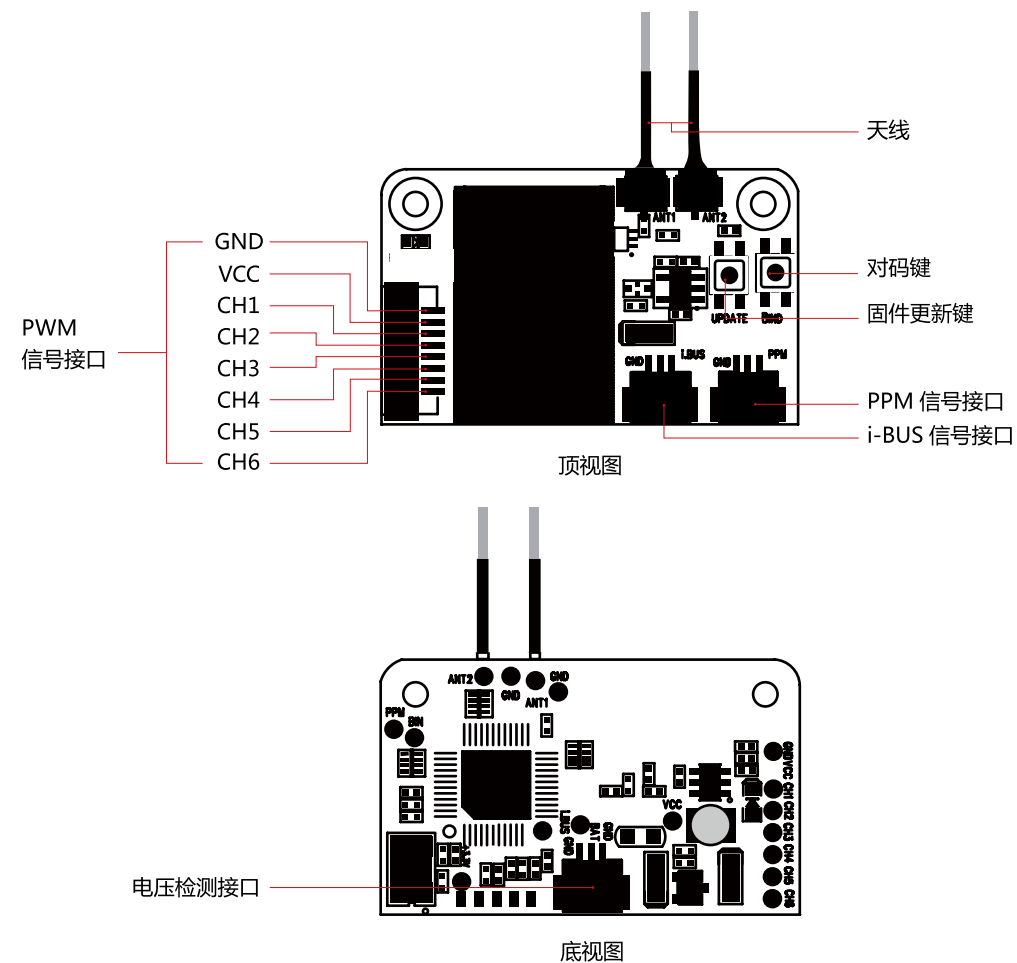
### Receiver specification

|                   |                                    |
|-------------------|------------------------------------|
| Channels          | 6 ( PWM ) ,8 ( PPM ) ,18 ( i-BUS ) |
| Model             | Multi-Rotor                        |
| RF range          | 2.408-2.475 GHz                    |
| Band width        | 500 KHz                            |
| Number of bands   | 135                                |
| RF power          | No more than 20 dBm                |
| RX sensitivity    | -95dBm                             |
| 2.4GHz protocol   | AFHDS 2A                           |
| Modulation type   | GFSK                               |
| Stick resolution  | 1024                               |
| Low voltage alarm | Yes                                |
| DSC port          | PPM/PWM/i-BUS                      |
| Antenna length    | 93mm ( Dual Antenna )              |
| Power input       | 4.0-8.4V                           |
| On-line update    | Yes(Wireless)                      |
| Range             | >300m                              |
| Weight            | 4.5g                               |
| Size              | 36*22*7.5mm                        |
| Certification     | CE0678,FCC ID : N4ZX6B00           |

## 简介

FS-X6B 是一款专用于多旋翼飞机的双向接收机，采用了 AFHDS 2A (第二代自动跳频数字系统) 并使用全向双天线，具有超强的抗干扰能力。它体积小便于安装，丰富的接口，可支持 6 个通道的 PWM 信号输出、1 个标准 PPM 信号输出、18 个通道的 i-BUS 信号以及电压检测接口。

## 接收机概览



## 接口

用于连接接收机与模型的各个部件。

### PWM 信号接口：

提供 VCC 和 GND 接口，并输出 1-6 通道的 PWM 信号；  
接口顺序为：GND，VCC，CH1，CH2，CH3，CH4，CH5，CH6。

### 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。

### 电压检测接口：

用于检测接收机外部的电源电压，可连接 1S-4S 电源，输入范围在 0-18V 内。

## 对码

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，发射机自动退出对码界面，此时接收机指示灯停止快速闪烁，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。

## 适用机型

FS-X6B 接收机适用于富斯 AFHDS 2A 系统的遥控器，如 FS-i10，FS-i8，FS-i6S，FS-i6X，FS-i4，FS-i4X 等。

## 接收机规格

|           |                                      |
|-----------|--------------------------------------|
| 通道个数      | 6 ( PWM ) , 8 ( PPM ) , 18 ( i-BUS ) |
| 适合机种      | 多轴飞行器                                |
| 频率范围      | 2.408-2.475 GHz                      |
| 波段宽度      | 500 KHz                              |
| 波段个数      | 135                                  |
| 发射功率      | 不高于 20 dBm                           |
| 接收灵敏度     | -95dBm                               |
| 2.4GHz 模式 | AFHDS 2A                             |
| 调制方式      | GFSK                                 |
| 通道分辨率     | 1024                                 |
| 低电压报警     | 有                                    |
| 数据输出      | PPM/PWM/i-BUS                        |
| 天线长度      | 93mm ( 双天线 )                         |
| 输入电源      | 4.0-8.4V                             |
| 在线更新      | 有 ( 无线更新 )                           |
| 空旷无干扰地面距离 | 大于 300m                              |
| 机身重量      | 4.5g                                 |
| 外形尺寸      | 36*22*7.5mm                          |
| 认证        | CE0678，FCC ID：N4ZX6B00               |