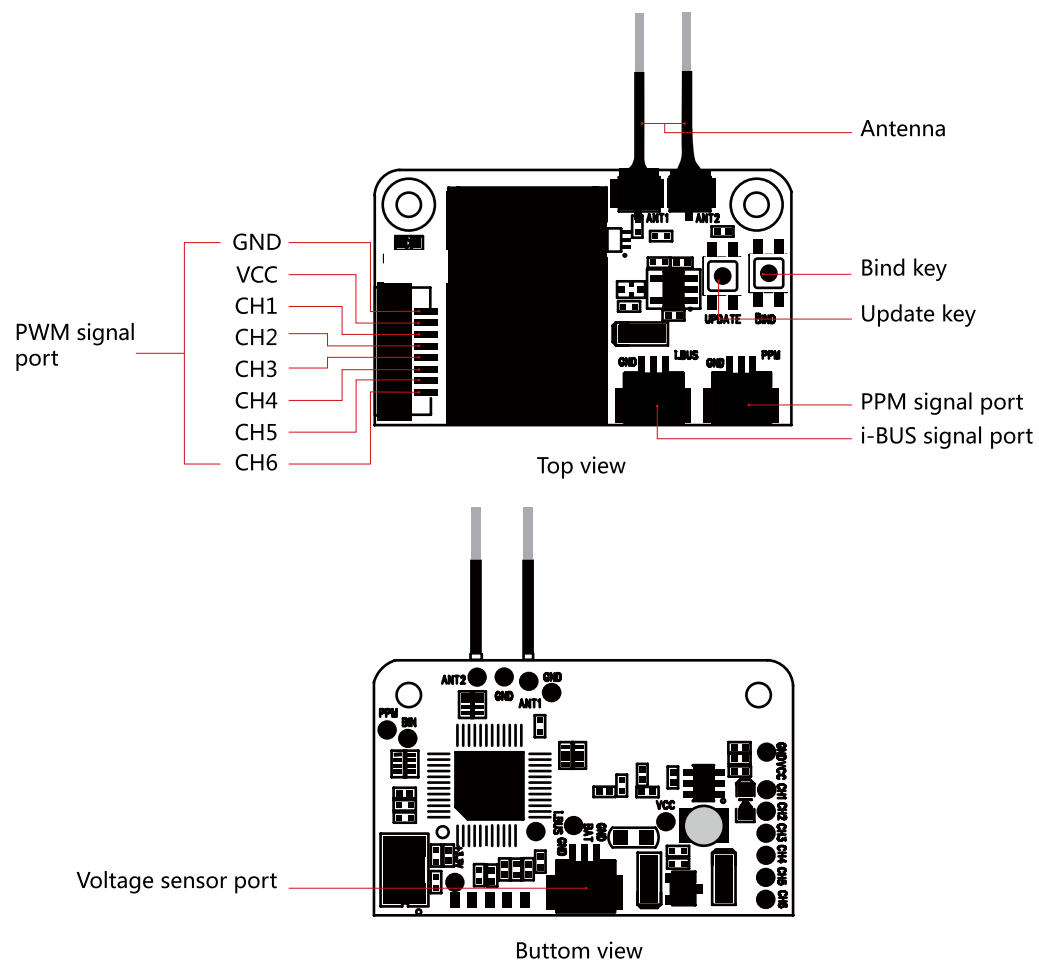


Introduction

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.

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

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

FCC Statement

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.

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.