

Precautions!

Read the safety messages listed below before operation!

- Do not use the product at night or during bad weather conditions, like rain or thunderstorms. It can cause erratic operation or loss of control.
- Do not use the product when visibility is limited.
- Do not expose the product to rain or snow. Any exposure to moisture (water or snow) may cause erratic operation or loss of control.
- Interference may cause loss of control. To ensure the safety of you and others, do not operate in the following places:



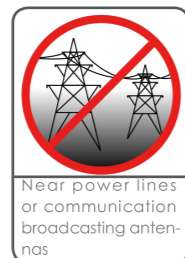
Near any site where other radio control activity may occur



Near people or roads



On any pond/lake when passenger boats are present



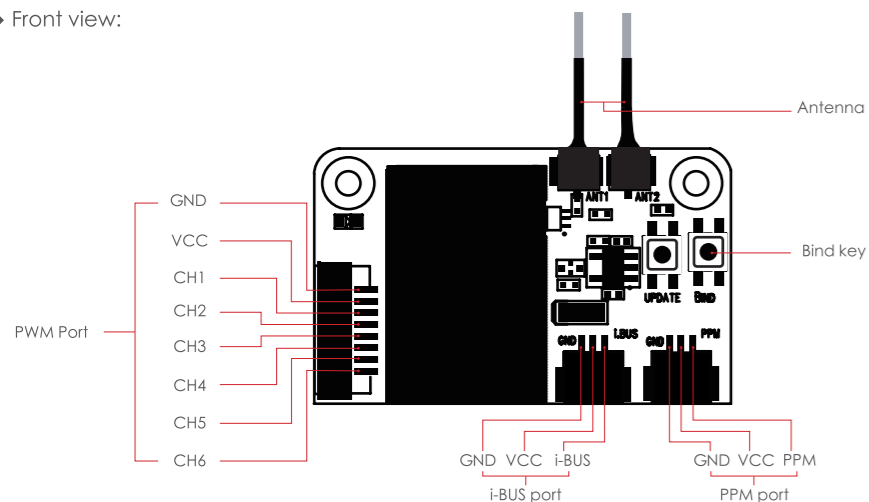
Near power lines or communication broadcasting antennas

Product Introduction

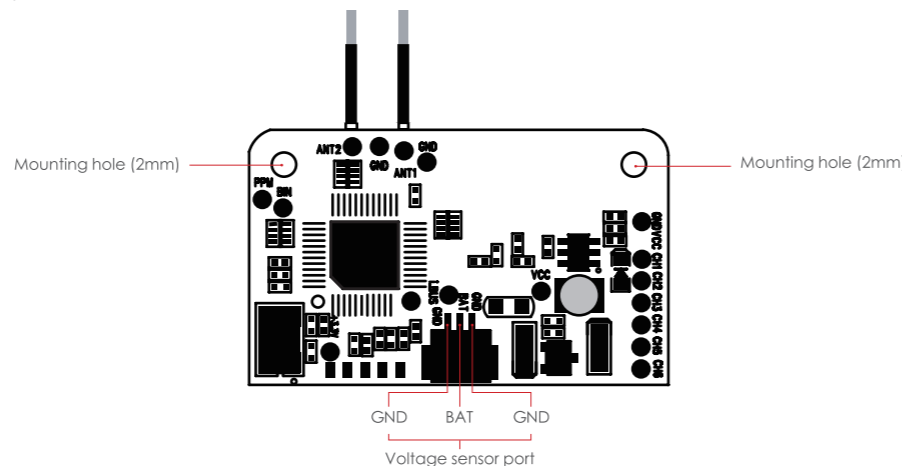
The AMI-X6B is a 6 channel two-way receiver designed for multi-rotor aircraft. It uses the AFHDS 2A (Automatic Frequency Hopping Digital System Second Generation) protocol with dual omnidirectional antennas for superior noise reduction. It's compact, easy to install and boasts a rich and easy to use interface. It also supports 6 channel PWM output, standard 8 channel PPM output and can use up to 18 channel using i-BUS.

Receiver Overview

► Front view:



► Rear view:



► Ports:

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

PWM port: Outputs channels 1-6 PWM.

PPM port: Outputs 8 channel standard PPM signal.

i-BUS 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 it has entered bind mode.
 - After the successfully binding, the transmitter will automatically return to the previous menu. If binding is successful the receiver's LED will stop flashing a 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.
- ⚠ Make sure to disconnect the receiver battery before turning off the transmitter. Failure to do so may lead to unintended operation and cause an accident.

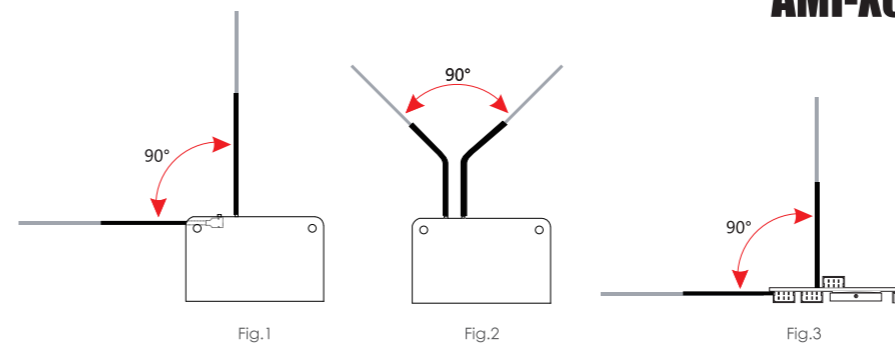
Before use

Make sure that you find an appropriate location to mount the receiver in order to ensure good performance, stability and prevent outside interference.

⚠ Installation:

- Do not power on the receiver during the setup process to prevent 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 receivers antenna away from conductive materials such as carbon or metal. To ensure normal function make sure there is a gap of at least 1 cm between the antenna and the conductive material.
- Ensure that the two antennas are mounted at 90 degrees to each other, as shown in Fig.1, Fig.2, Fig.3.

AMI-X6B



Specifications

Channels	6 (PWM), 8(PPM), 18(i-BUS)
Model type	Multi-Rotor
RF range	2.408-2.475 GHz
Bandwidth	500 KHz
RF channel	135
RF power	No more than 20 dBm
RX sensitivity	-95dBm
2.4GHz system	AFHDS 2A
Modulation type	GFSK
Stick resolution	1024
voltage detection	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
Distance between mounting holes	30mm

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.

USER MANUAL

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.

Release date: 2017-04-11