

# X-6

6-Channel 2.4G Digital Proportional Radio System

## INSTRUCTION MANUAL

### 2.4G FHSS Technology

- Thank you for purchasing our R/C system.
- Before using, read this manual carefully.



### WARNINGS

- The product is not intended for those under 14 years of age without proper adult supervision. The product is not a toy. It is a precision machine requiring proper assembly and setup to avoid accidents and it is the responsibility of the owner to operate this product in a safe manner as it can cause serious personal injury and damage to property due to carelessness or misuse.
- The spinning rotors on this product can be dangerous! When operating/flying, always be aware of the spinning rotors. Be careful not to let them come close to your body, other people or loose clothing. Keep your hands, fingers and any articles of clothing away from the rotors.
- Do not attempt to disassemble or modify any of the product components without the assistance of an experienced RC user. ? Only use the correct type of battery to operate. Using any wrong type of battery will damage the product and possibly make it dangerous to operate.
- The motor(s) may get hot during use. Always allow 10-15 minutes between each flight for the motor to cool down. This will prolong the life of your product.
- Choose an appropriate operating site consisting of flat, smooth ground, and clear open field. Do not operate near buildings, high voltage cable lines, or trees to ensure safety operation. Operate in safe area only, away from other people. RC models are prone to accidents, failures, and crashes due to a variety of reasons including, lack of maintenance, pilot error, and radio interference. Pilots are responsible for their actions and damage or injury occurring during the operation.
- Do not operate in inclement weather, such as rain, wind, snow and darkness.
- The product is composed of precision electrical components. It is critical to keep the product away from moisture and other contaminants. Do not allow them to get wet. Electrical damage may occur that could affect safe operation.
- After each use, always allow the battery to cool down before recharging. When charging the battery pack, do not overcharge! If batteries get hot during charging, discontinue charging immediately and disconnect the battery from the charger. Never leave battery unattended while charging. If you are unsure of how to charge this battery, please seek the advice of experienced RC users. Never let children charge the battery without adult supervision.
- Always turn on the transmitter before connecting the battery on the model. When turning off the model, always disconnect the battery first, and then turn off the transmitter. If the order is reversed, the model may become uncontrollable and cause serious damage.
- If you are in doubt of your ability to operate the model, we strongly recommend that you seek assistance from experienced RC users or join your local model flying club to gain the required knowledge and skill. As the manufacturer and distributor, we assume no liability for the use of this product.
- Before turning on your model and transmitter, please check to make sure no one else is operating under the same frequency. Frequency interference can cause your model, or other models to crash. The guidance provided by experienced RC users will be valuable for the assembly, tuning, trimming, and actual first flight.
- Never allow batteries to run low or you might lose control of the model.
- You should complete a successful pre-flight check of your radio equipment and model prior to each flight.
- Plastic is very susceptible to damage or deformation due to extreme heat and cold climate. Do not store the model near any source of heat such as oven or heater. Store the model indoors, in a climate-controlled, room temperature environment.

### 2.4G Binding

#### 1. The Binding processing

Turn on the transmitter, then connect the power of receiver keeping the receiver "BIND" button till the light turn on GREEN which means the binding is successful. After that, it's unnecessary to bind again.

Caution: make sure the RX and TX is within one meter, and around 10 meters no similar device.

If the light flashing, showing the binding failure, please do again as above indication.



### Connection Diagram(For DELTA)

Switch	Switch1	Switch2	Switch3	Switch4	Switch5	Switch6
Reverse	Aileron Reverse	Elevator Reverse	Throttle Reverse	Rudder Reverse	Mode1 Mode2	Fixed-Wing Delta

#### Receiver channel distribution:

CH1: Aileron ; CH2: Elevator ; CH3: Throttle ; CH4: Rudder;

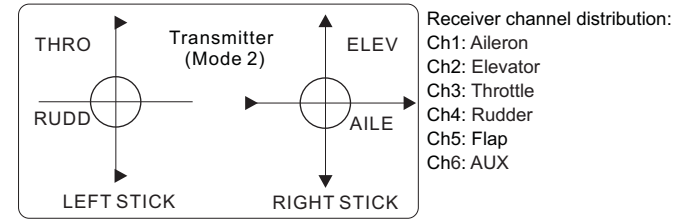
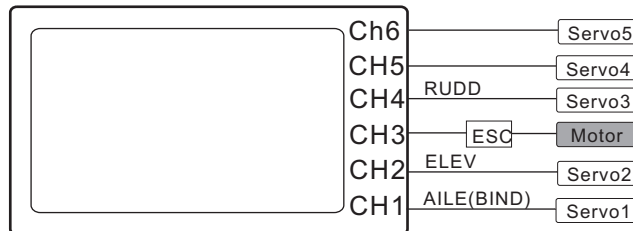
- Switch to "DELTA" position and enter DELTA mode, aileron and elevator is mixed, as for triangle planes, tailless planes.

Transmitter	Receiver channel mixing	
Stick	Ch1	Ch2
Aileron Stick	+50%	+50%
Elevator Sticker	+50%	-50%

### Connection Diagram(For FIXED-WING)

- Switch to "FIXED-WING" position and enter Fixed-Wing Plane mode.

Switch	Switch1	Switch2	Switch3	Switch4	Switch5	Switch6
Reverse	Aileron Reverse	Elevator Reverse	Throttle Reverse	Rudder Reverse	Mode1 Mode2	Fixed-Wing Delta



### Technology Data

#### Transmitter

Item:X-6  
Channels:6  
Resolution:1024  
Frequency:2.4GHz ISM Frequency range  
Modulation:GFSK  
Spread Spectrum Mode: FHSS  
Number of frequency channels:20  
Hopping rate:125 Jump / S  
Output Power:<=20dBm  
Working current:<=150mA  
Working voltage:1.2V4 N iCad /NiMH  
Dimensions: 200 mmX185mmX105mm

#### Receiver

Channel: 6  
Frequency:2.4G ISM Frequency range  
Spread spectrum mode:FHSS  
Power: 4.5-5.5V/<30mA  
Net weight:11.5g  
Measurement: 41x28x14mm

### FCC Radiation Exposure Statement

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be collocated or operating in conjunction with other antenna or transmitter.

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

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