ETRONIX

# PULSE

**2.4G FHSS Technology**

4-Channel 2.4G Radio Control System

## INSTRUCTION MANUAL

- Thank you for purchasing our R/C system.
- Before using,

## CAUTION

To work your R/C with your models correctly and safely, read this manual carefully and keep it in a safe way as a reference introduction in the future.

Warning:

1. This product is only equipped for radio controlled models;
2. The usage of this product should be approved by local relevant law or regulations;
3. We will not be responsible for the damages caused by unauthorized modification, adjustment or replacement of parts of this product;
4. The manual may be altered without prior notice. Please contact us if you have any corrections or clarifications that should be made in the manual.

Before starting the transmitter, make sure the transmitter batteries are well charged.The voltage of transmitter batteries is never lower than 8.6V. And please check and confirm that the servos are all well and properly connected.

Keep the radio system away from moist, high temperature and strong shake. Do not clean the product with solvent.

The antenna does not touch anything else when power switch is turned on. Do not leave this product and its accessories within the reach of small children.

Please use this product according to your local relevant law or regulation, we are not responsible for any incidents or damages.

## 2.4G Binding

1. The Binding processing

Turn on the transmitter, then connect the power of receiver pressing 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;

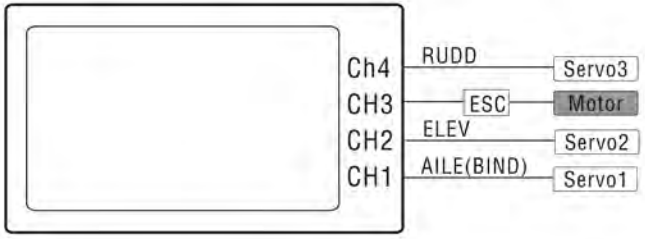
Switch to "DELTA" position and enter DELTA mode, aileron and elevator is mixed, as for triangle planes, tailless planes.

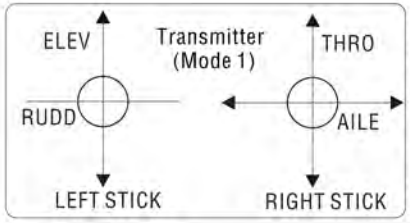
| Transmitter | Receiver channel mixing | |
|---|---|---|
| Stick | Ch1 | Ch2 |
| Aileron Stick | +50% | +50% |
| Elevator Sticker | +50% | -50% |

## 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 |




Receiver channel distribution:
Ch1: Aileron
Ch2: Elevator
Ch3: Throttle
Ch4: Rudder
(Mode 2 is opposite with throttle on the left)

## Technology Data

Transmitter

Item:ET1120
Channels:4
Resolution:4096
Frequency:2.4GHz ISM Frequency range
Modulation:GFSK
Spread Spectrum Mode: FHSS
Number of frequency channels:20
Hopping rate:240 Jump / S
Output Power:<=20dBm
Working current:<=150mA
Working voltage:1.2V×8 NiCad /NiMH
Dimensions: 189 mmX213mmX88mm

Receiver

Channel: 4
Frequency:2.4G ISM Frequency range
Spread spectrum mode:FHSS
Power: 4.5-5.5V/<30mA
Net weight:11g
Measurement: 40.4*26.4*13mm

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