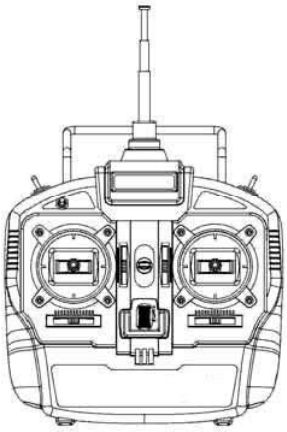
6CHANNEL
RADIO CONTROL
SYSTEM



TTX02

FM 6 CHANNELS FOR AIRCRAFT AND SURFACE

INSTRUCTION MANUAL

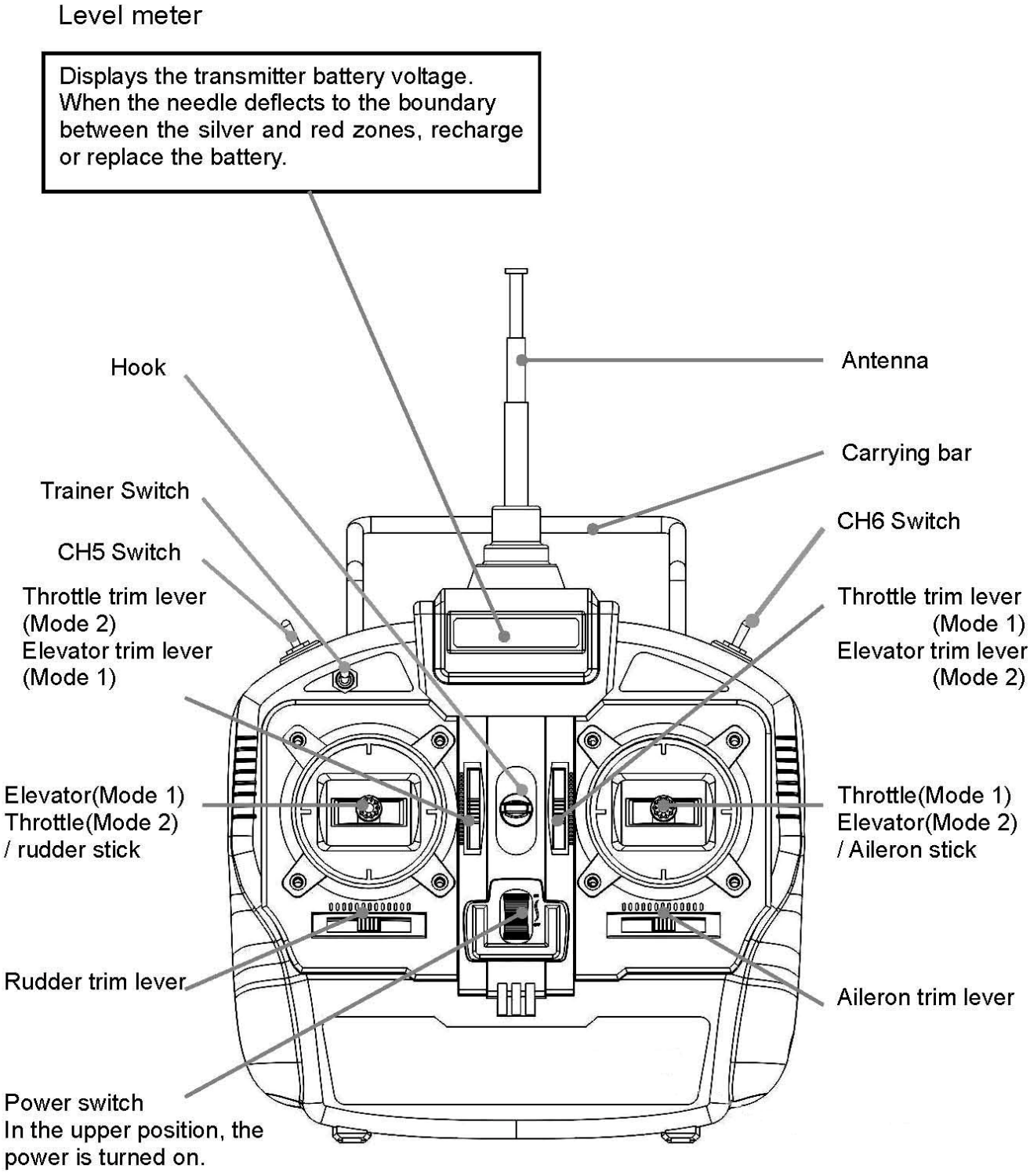
TENSHO

TENSHO MODEL CO., LTD.

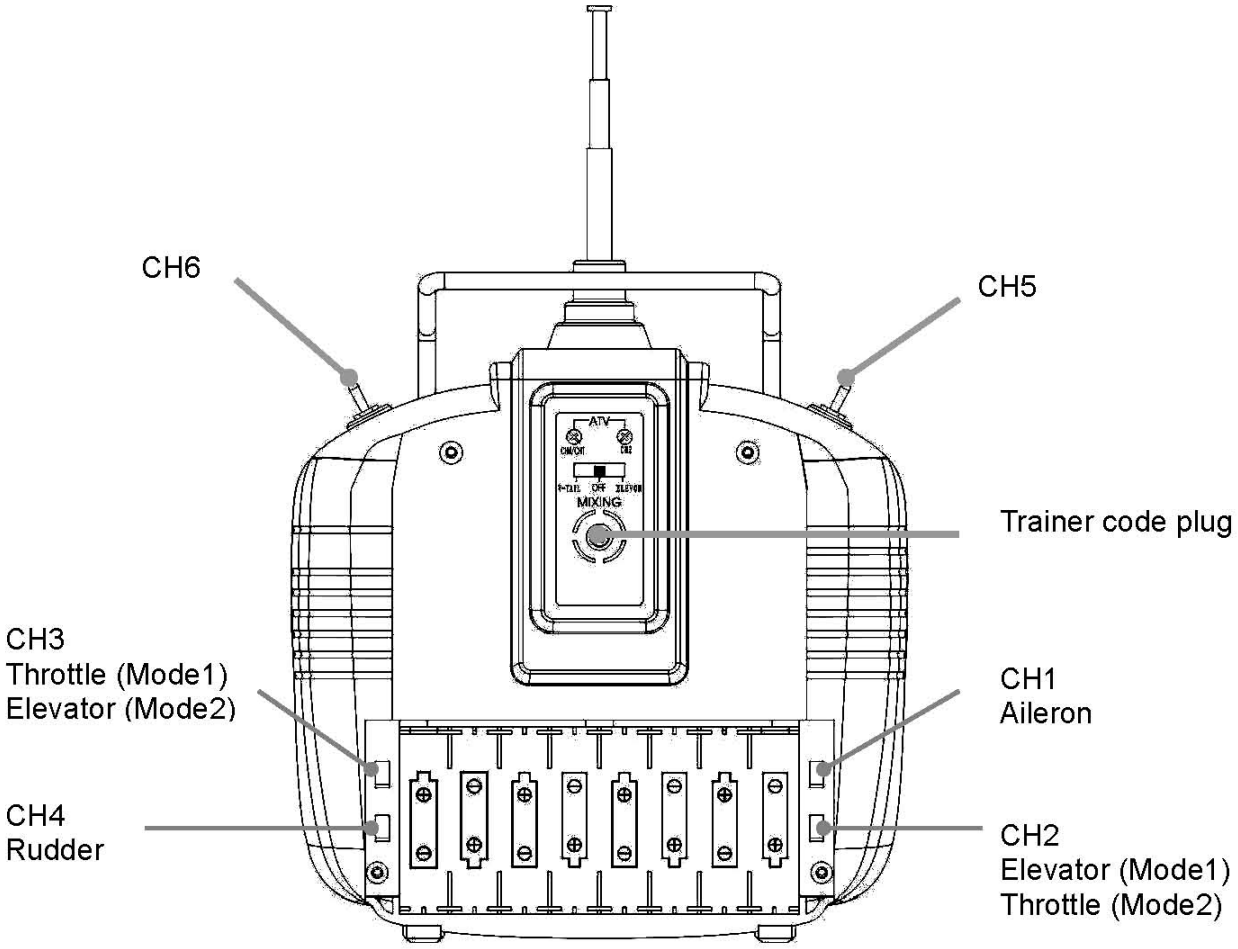
5th Floor, XieSheng Industrial Building, NO. 70 , LongShan Middel Road, Xaimen, China.

TEL: 0086-592- 5590708, 5590728, 5590758 FAX: 0086-592-5590755

TRANSMITTER TTX02 (FRONT PANEL)



TRANSMITTER TTX02 (REAR PANEL)



Servo reversing switches (CH1,CH2,CH3,CH4)

Switches that reverse the direction of operation of the servos. The lower position is the normal side and the upper position is the reverse side.

Operating direction display

REV.: Reverse side

NOR: Normal side

Training

Hold the trainer switch-------- Student Radio Work

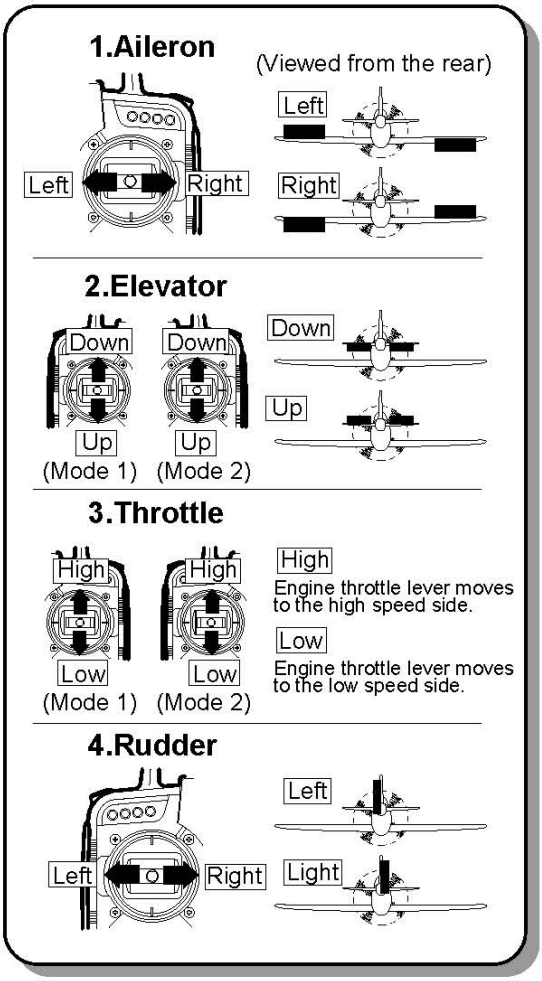
Release the trainer switch----------Trainer Radio Work

Low battery warning

1. when the battery power is less than 8.2±0.2V, the beeper will make sounds to warn low battery.
2. After 10 minutes beeping, The Transmitter will be turned off automatically .
3. If battery power is lower than 7.8±0.2V, the Transmitter will be turned off automatically too.

TRANSMITTER OPERATION AND MOVEMENT OF EACH SERVO

Before making any adjustments, learn the operation of the transmitter and the movement of each servo. (In the following descriptions, the transmitter is assumed to be in the standby state.)



AILERON OPERATION

When the aileron stick is moved to the right, the right aileron is raised and the left aileron is lowered, relative to the direction of flight, and the plane turns to the right. When the aileron stick is moved to the left, the ailerons move in the opposite direction.

To level the plane, the aileron stick must be moved in the opposite direction.

When the aileron stick is tilted and held, the plane will roll.

ELEVATOR OPERATION

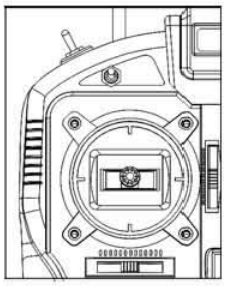
When the elevator stick is pulled back, the tail elevator is raised and the tail of the plane is forced down, the air flow applied to the wings is changed, the lifting force is increased, and the plane climbs (UP operation). When the elevator stick is pushed forward, the elevator is lowered, the tail of the plane is forced up, the air flow applied to the wings is changed, the lifting force is decreased, and the plane dives (DOWN operation).

THROTTLE OPERATION

When the throttle stick is pulled back, the engine throttle lever arm moves to the SLOW (low speed) side. When the throttle stick is pushed forward, the throttle lever arm moves to the HIGH (high speed) side.

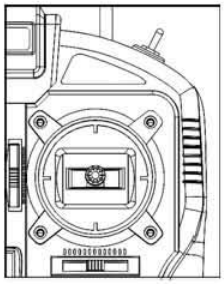
RUDDER OPERATION

When the rudder stick is moved to the right, the rudder moves to the right and the nose points to the right, relative to the direction of flight. When the rudder stick is moved to the left, the rudder moves to the left and the nose points to the left and the direction of travel of the plane changes.



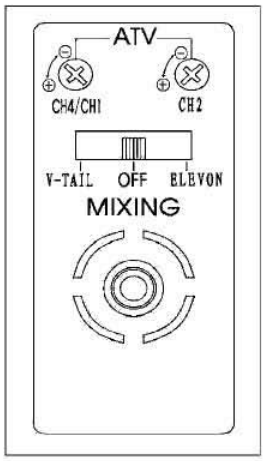
Ch5 Switch

3 position---------1.0ms , 1.5ms & 2.0ms



Ch6 Switch

2 Position----------1.0ms & 2.0ms

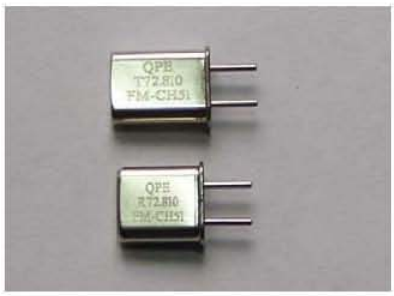


a. When the Mixing Button is on "off":
Modulate CH4/CH1 potentiometer to change the moving magnitude on channel 1.
Modulate CH2 potentiometer to change the moving magnitude on Channel 2

b. When the Mixing Button is on "V-Tail"
Mixer on Channel 2 and Channel 4
Modulate CH4/CH1 and CH2 to change the Mixing magnitude on Channel 2 and Channel 4.

c. When the Mixing Button is on "Elevon"
Mixer on Channel 1 and Channel 2
Modulate CH4/CH1 and CH2 to change the Mixing magnitude on Channel 1 and Channel 2.

Changing the transmitter crystal



Changing FrequencyChanging the crystal to avoid conflicts with others ispossible where permitted. Check your local rules beforedoing so. In the US, the FCC prohibits the changing oftransmitter crystals except by a ManufacturerAuthorized service center.
Crystals are extremely delicate components, vulnerable to shock and vibration. They are one of the crucial parts of your RC system, without which reliable operation is not possible. For this reason never drop them, subject them to me-chanical load (by pushing them forcibly into the crystal socket), and always store them carefully.

CAUTION

1. The replacement of the crystal is in violation of the FCC rules.

2. Insert replaceable batteries according to the Mark in the battery compartment, and the batteries should be removed from the battery compartment after using.

3. Non-rechargeable batteries are not to be recharged.

4. Rechargeable batteries are to be removed from the toy before being charged.

5. Only batteries of the same or equivalent type as recommended are to be used.

6. Batteries are to be inserted with the correct polarity.

7.Exhausted batteries are to be removed from the toys.

8.The supply terminals are not to be short-circuited.

9. Transformers used with the toys are to be regularly examined for damage to the cord, plug, enclosure and other parts, and that, in the event of such damage, the toy must not be used with this transformer until the damage has been repaired.

10. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the euipment.