

3 AXIS GYRO User Manual



TL-3AXIS-A Plane gyro is designed to improve plane stability when fly, enable fresh model lovers learn and fell model flying joy quickly.

Function Feature:

Specially designed for RC planes, 3AXIS gyro improves fly stability

Support common plane; delta wing; V tail 3 kinds RC models

Improve stability & flexibility

Remote control can shut down 3AXIS gyro system, convenient for skillful players to operate planes manually

Technical Parameters:

Power voltage: 4-6V BEC of ESC supply the power directly.

Size:

Weight:

Attention Items:

- Assemble your planes completely before assemble the 3AXIS gyro.
- Shut down V tail & delta wing multi control function of radio, make the radio work for common planes.

Assemble & Adjustment :

三轴陀螺的
出线方向和
机头方向一
致

- Install Location : Use double-sided tape to place the gyro on the gravity of the plane , long axis heads for the plane flying direction , ensure gyro and model body are the same horizontal plane. Incorrect installment will effect gyro function, even can't work .

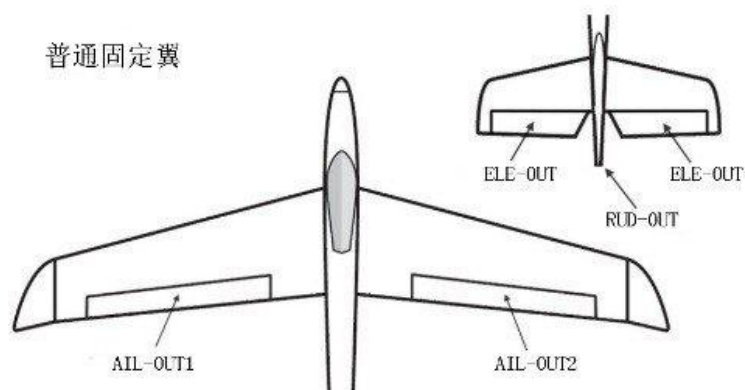


- Connection : After fixed the gyro , connect receiver aileron to gyro (AIL-IN); connect receiver elevator to gyro (ELE_IN); receiver rudder to gyro (RUD-IN). These 3 wires must be connected, otherwise, gyro can't work.

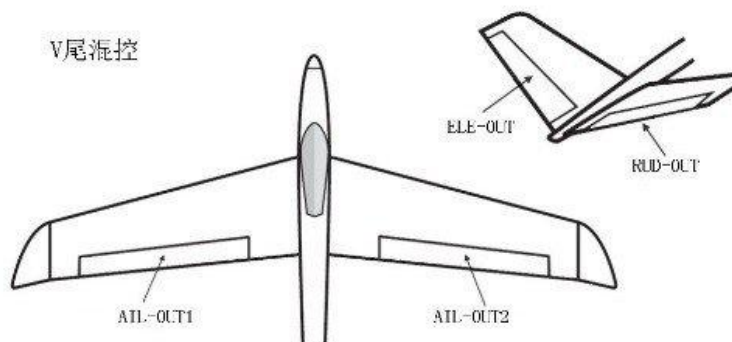
Connect receiver Gain or the additional channel you choose with AUX-IN of the gyro.

Connect planes to the gyro according to below pictures show:

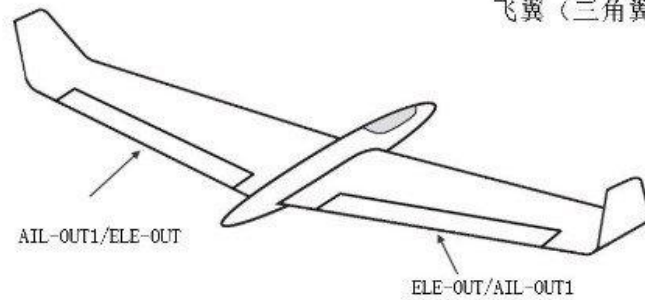
普通固定翼



V尾混控



飞翼（三角翼）



● Modified direction verification:



- 一、Lift plane head around pitch axis lift plane head, elevator should modify down automatically
- 二、Reduce plane head around pitch axis, elevator should modify up automatically.
- 三、Revolve plane body around roll axis, the left aileron should modify down automatically, the right aileron should modify up automatically.
- 四、Revolve plane body around roll axis, the left aileron should modify up automatically, the right aileron should modify down automatically.
- 五、Revolve plane head right around spin axis, rudder should modify left automatically.
- 六、Revolve plane head left around spin axis, rudder should modify right automatically.

- Sensitivity settings: 3 AXIS gyro has 3 directions sensitivity regulation resistance. YAW sensitivity adjustment (Rudder); Pitch sensitivity adjustment (Elevator); Roll sensitivity adjustment (Aileron). Counterclockwise rotation makes sensitivity small, clockwise rotation makes sensitivity big. Different kinds of RC models have different sensitivity demand. Small sensitivity is better for trial fight. If head lock is not good, please increase sensitivity, if find plane shake at one direction, it means sensitivity on this side too strong, need to reduce. Adjust in this way till all directions are appropriate.
- Open/shut 3Axis : AUX-IN input channel of 3Axis can access receiver's Gain or AUX auxiliary control signal channel, through radio band 2 turn on and off 3Axis. 3Axis is on open state when AUX-IN not access receiver signals.



- Aileron signal input (AIL-IN);
- Elevator input (ELE-IN);
- Rudder signal input (RUD-IN);
- Auxiliary control signal input (AUX-IN); used for radio turn off gyro, so that full- manual control flight.
- Aileron signal output 1 (AIL-OUT1);
- Elevator signal output (ELE-OUT);
- Rudder signal output (RUD-OUT);
- Aileron signal output 2 (AIL-OUT2);

- SW1 first aileron gyro signal output direction
- SW2 elevator gyro signal output direction
- SW3 rudder gyro signal output direction
- SW4 second aileron gyro signal output 2 direction
- SW5 Triangular empennage multiple function switch
- SW6 V-tail multiple function switch

- YAW sensitive adjustment: (rudder)
- PITCH sensitive adjustment: (elevator)
- ROLL sensitive adjustment: (aileron)

Before your each flight, please follow below stander starting operation.

Step1: Turn on transmitter power, putting aileron, elevator and rudder rocker in the middle.

Step2: Right side facing up to put airplanes on a relatively level surface, forbidden turn on within hand. No matter installing in a horizontal or vertical, power on airplane should keep in a level surface and right side up. Gyro should be calibrated before starting. It may cause calibration fail when starting airplane in a severely tilt or vertically overturn status.

Step3: Turn on the receiver and radio control power, do not remove or waggle airplane when indicator blinking and before initial over plane should keep still.

Step4: When entering readymode, LED color the right working status and flight mode please don' t forget to stir all rocker switches, checking each helms performance and transition flight mode whether normal, after that you can start a flight.

Red indicator blink: initial status.

Red indicator on: 3Axis radio in turn on status.

Red indicator off: 3Axis radio in turn off status.

Green indicator off: normal airplanes model.

Green indicator on: V-tail multiple control model.

Green indicator blink: Wing (Triangular empennage) multiple control model.