

锁尾式陀螺仪说明书

EK2-0704B

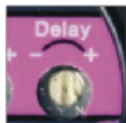
【规格参数:】

1. 输入信号: 1.5ms±0.5ms
2. 工作电压: 5V~6VDC
3. 重量: 12.5g
4. 尺寸: 27×28.5×18mm

陀螺仪功能介绍:



A: Delay 控制延迟调整旋钮



- “+”顺时针调整延迟增大
- “-”逆时针调整延迟减小

注意: 调整尾舵控制讯号的运作速度。若使用速度较慢的伺服器,却发现直升机的尾舵会产生追纵现象时,可顺时针转动旋钮,增加延迟的时间,即可消除追纵现象。若尾舵使用高速伺服器时,例如数位式伺服器,请将旋钮调整至0的位置。



B: REV/NOR 正反向开关:

切换陀螺仪控制尾舵伺服机的摆动方向
REV: 逆转 NOR: 正转

注意: 检查陀螺仪的动作方向,提起直升机,直升机的机头朝左侧摆动,若尾舵伺服机的摆动方向与遥控器的尾舵摇杆打右舵同方向时,表示陀螺仪的动作方向设定正确。若陀螺仪的动作方向不正确时,请切换陀螺仪的正逆转开关。

陀螺仪的动作方向若设定错误,将使直升机在起飞时会产生高速自转的危险现象,请再三确认陀螺仪的动作方向是否正确。

C: Limit: 伺服器行程控制

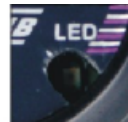


调整尾舵伺服器行程量

- “+” 顺时针调整尾伺服器行程增大
- “-” 逆时针调整尾伺服器行程减小

注意: 将尾伺服器摇杆向左及向右打满舵,调整旋钮使尾舵伺服器的行程量不会超出尾螺距滑套的最大活动范围。在飞行时,尾伺服器的活动范围不会超出行程量的限制,可保护伺服器与连杆。请勿将行程量调整得太小,以降低陀螺仪的性能。

D: Led状态指示灯:



- 1、接通电源时红色指示灯连续闪烁陀螺仪程序进行初始化
- 2、陀螺仪锁定时红色指示灯恒亮
- 3、陀螺仪非锁定时红色指示灯熄灭

注意: led状态指示灯的显示

状态显示	陀螺仪状态
快速闪烁	表示开启电源后,陀螺仪正在进行资料初始化的程序。
恒亮	表示陀螺仪在锁定模式。
熄灭	表示电源已关闭或陀螺仪在非锁定模式。
慢速闪烁	表示陀螺仪没有接收到由遥控器所送出的尾伺服器控制讯号,此时尾伺服器无法操作。
间歇闪烁	表示第五通道没有连接好或者在初始化过程中移动了中位,须取下电源从新连接。

E: 陀螺仪的连接:



连接尾伺服器

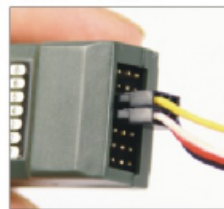
注意: 伺服器连接线头的正反面



1. 将尾伺服器接头与陀螺仪连接(正面朝上)



2. 陀螺仪与接收机第四通道连接



3. 陀螺仪信号线与接收机第五通道连接



4. 陀螺仪底部用双面胶贴垂直安装在机架上(正面朝上)

Head lock Gyro

EK2-0704B

【Specification:】

- (1).Input signal: 1.5±0.5ms; (2).Input power: 5V~6VDC
 (3).Weight: 12.5g (4).Size: 27×28.5×18mm

Function Instruction



Limit Servo range control

Delay Gain adjustment

LED Status Indicator

REV/NOR
Normal and Reverse Switch

Adjustment Instruction

A. Delay Gyro Gain adjustment



- A. "+" (clockwise) increase the ability of gyro to balance the helicopter (stable but less active),
 B. "-" (counterclockwise) decrease the ability of gyro to balance the helicopter (active but less stable).

Attention: When adjusting the gain of Gyro, the gain is differs when applied with different servos or different helicopters. Generally speaking, the faster the tail servo responds, the gyro's gain will increase. The faster the helicopter's main rotors rotate; the tail servo's responds will be stronger, therefore, the gain of gyro should be reduced.

B. REV/NOR Normal and Reverse Switch



REV Switch: reversing switch for gyro Adjust the tail servo's direction.

REV: Reverse motion NOR: Normal motion

Attention: When checking the action direction of Gyro, lift up the helicopter and let the head of the helicopter turn left. If the direction of the tail servo turns is in accordance with the transmitter's stick turns, it indicates that the initialization setting is right. Otherwise, you should switch the Normal and Reverse Switch of gyro.

The wrong setting will cause the helicopter dangerous with high-speed self-rotation when flying. Please double check to make sure that the action direction of the gyro is correct.

C. Limit Servo range control



Limit: Adjust the maximal range of tail servo

A. when "+" (clockwise) increase the range of tail servo will increase.

B. when "-" (counterclockwise) decrease the range of tail servo will decrease.

Attention: Adjust the knob to limit the tail servo range within the maximal displacement range of the tail pitch sliding bush when the rocker of the tail servo being moved to both left and right fully, by doing this, the range of tail servo won't exceed the limitation so as to protect the servo and the link lever when flying. On the other hand, don't adjust the servo's range too short to reduce the gyro's performance.

D. LED Status Indicator



- A. After connecting the power, the continuous red flashing indicates the procedure initialization
 B. Stable red light indicates that Gyro is locked.
 C. Red light going off indicates that Gyro is unlocked.

Attention: LED Status Indication

Display status	Status of Gyro
Fast Flashing	After powering on, the gyro is initializing
Constant light	The Gyro is locked;
Extinguishing	Power off or the gyro is unlocked;
Slow flashing	Gyro can not receive the tail servo control signal from transmitter. The tail servo can't work.
Intermittent flashing	Ch5 isn't connected well, or it moved to the middle during initializing. Remove the battery and connect again.

E. Gyro connection:

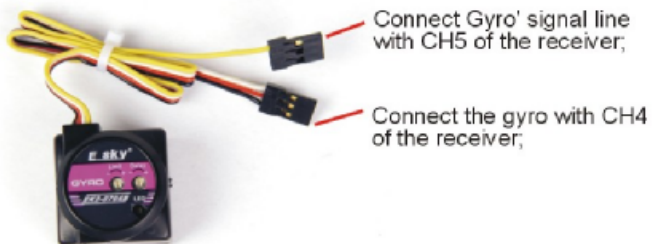


Connect tail servo

Front and inverse side of the servo connector

Inverse

Front



Connect Gyro' signal line with CH5 of the receiver;

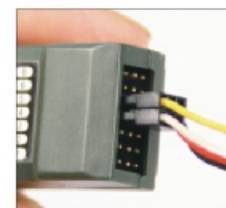
Connect the gyro with CH4 of the receiver;



1. Connect the tail servo with the gyro(front upward);



2. Connect the gyro with CH4 of the receiver;



3. Connect Gyro' signal line with CH5 of the receiver;



4. Stick the gyro with double adhesive to the framework vertically (front upward).