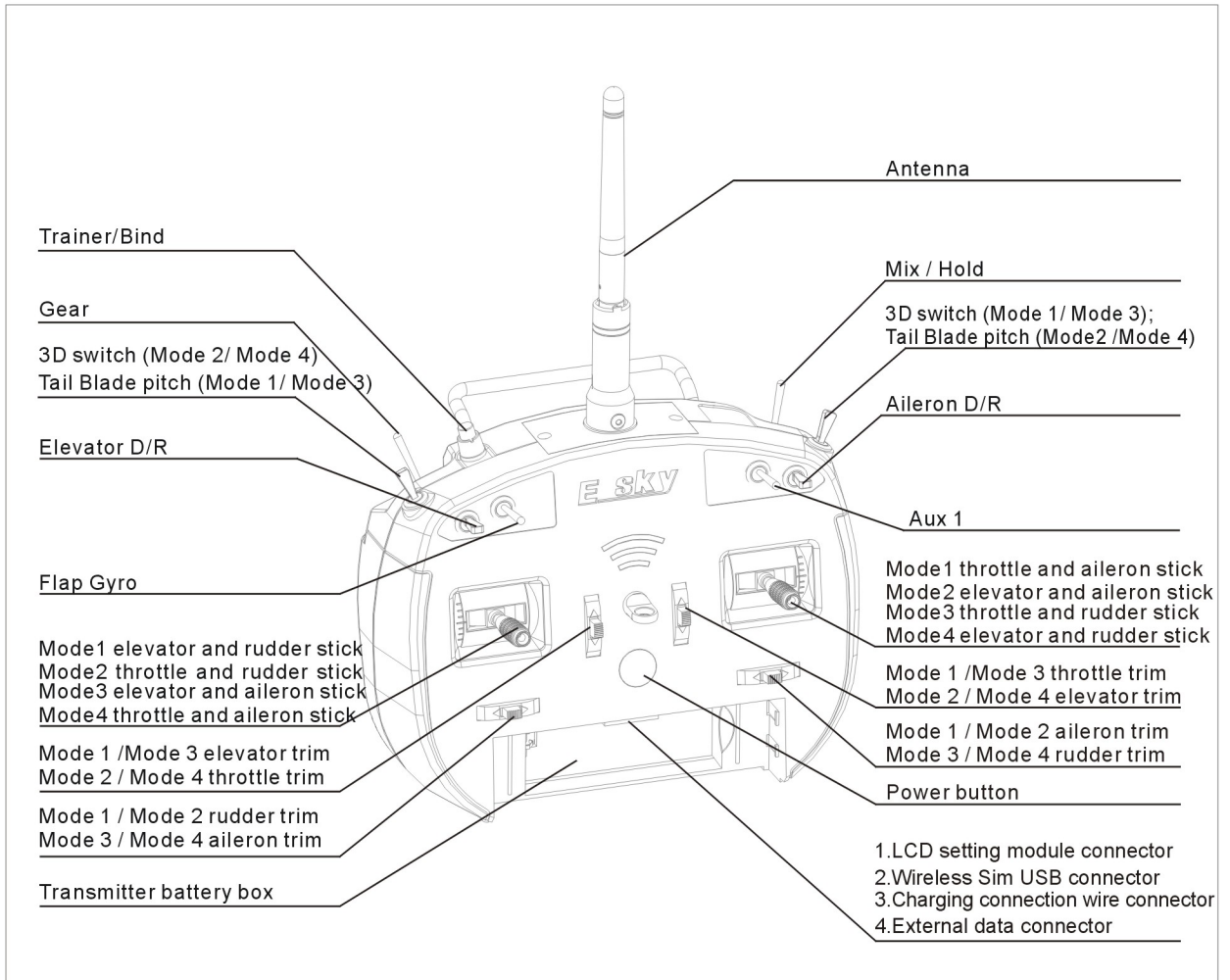


# GWY004307 6T Transmitter

## 1. Transmitter components introduction



## 2. Transmitter standard and parameters

- 1)The frequency channel: ISM 2.4GHz (2.400~2.480GHz)
- 2)1.Total channel is 6CH
- 3)The current is not greater than 100 mA (exclude LCD setting module), not greater than 120 mA (include LCD screen)
- 4)The battery is Li-Polymer battery (4.2V), the volume is 1100 mAh

## 3. Product Features

- 1)The transmitter is using 2.4G ISM frequency channel, allow auto detection while using the transmitter.
- 2)The transmitter receive or distribute the frequency by ID identify technology, protect external jamming, provide stable and reliable during the operation.
- 3)The LCD setting module is dividable, user-friendly and setting the trim easily.
- 4)Interchanging interface easily (Change Mode + Menu setting)
- 5)Trainer connector is using wireless technology
- 6)The power button is using soft material to become the button, it is durable and change the connection defect while pushing the roller power button
- 7)The transmitter is based on the ergonomic technology to design the transmitter

## 4. Interchanging position of throttle and elevator control

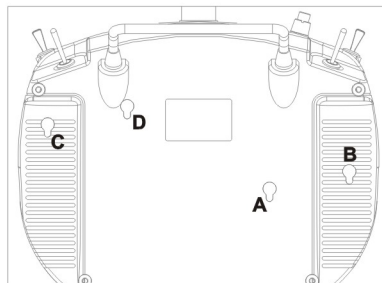
- (1) Structural adjustment: Before the adjustment, please take out the four rubber pistons (A, B, C and D) on the back of the transmitter, as shown in the figure

Left Throttle to Right Throttle (Mode 2/Mode 4 to Mode 1/ Mode 3)

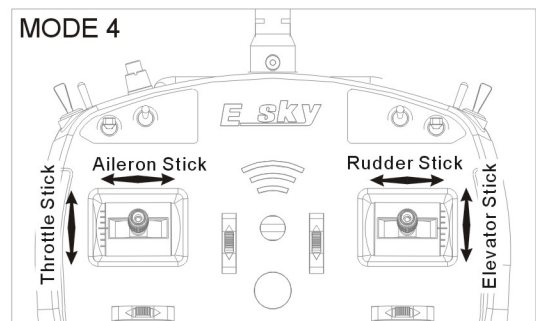
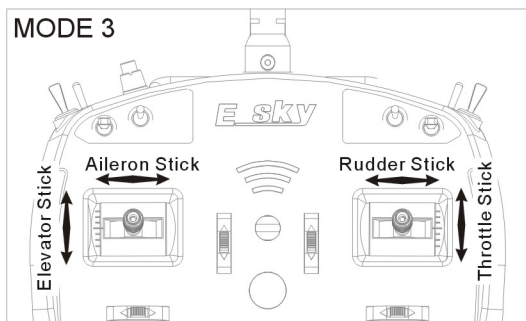
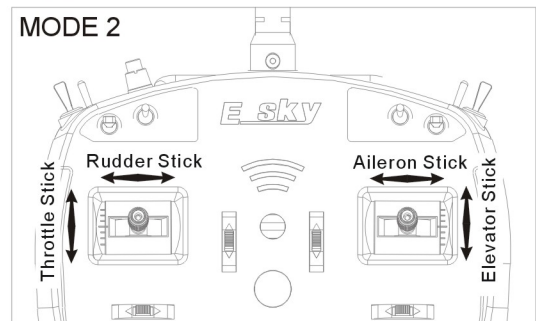
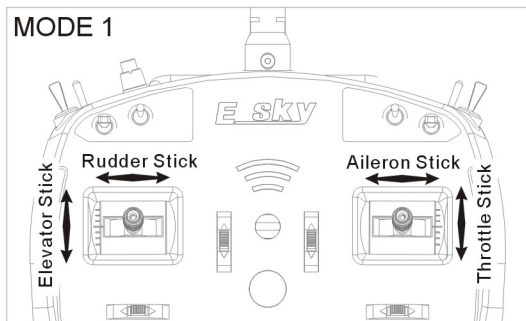
- 1) Use a cross-drive screw driver to loosen Screw A. Keep loosening until the stick can move up and down without friction
- 2) Tighten Screw B. Keep tightening until the stick can move up and down with rebounds
- 3) Loosen Screw C. Keep loosening until the stick can move up and down without rebounds
- 4) Tighten Screw D. Keep tightening until the stick can move up and down with friction

Right Throttle to Left Throttle (Mode 1/Mode 3 to Mode 2/ Mode 4)

- 1) Use a cross-drive screw driver to loosen Screw D. Keep loosening until the stick can move up and down without friction.
- 2) Tighten Screw C. Keep tightening until the stick can move up and down with rebounds.
- 3) Loosen Screw B. Keep loosening until the stick can move up and down without rebounds
- 4) Tighten Screw A. Keep tightening until the stick can move up and down with friction



Back view of Transmitter



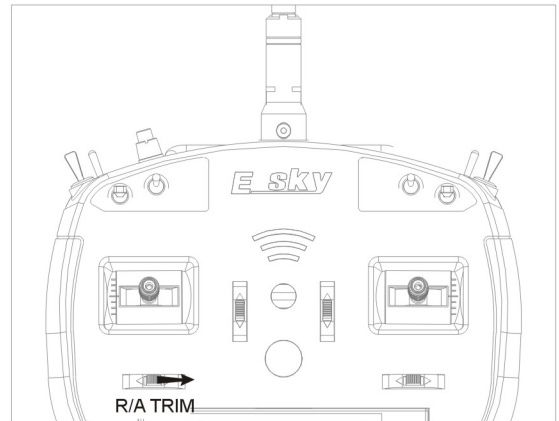
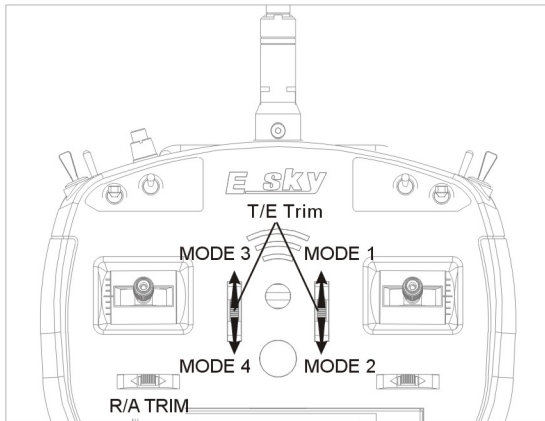
- (2) Set Control Mode, change of control mode

There are 4 Control Modes: Mode 1, Mode 2, Mode 3 and Mode 4, as shown in the above

- (3) Changing control mode

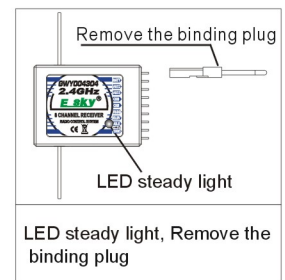
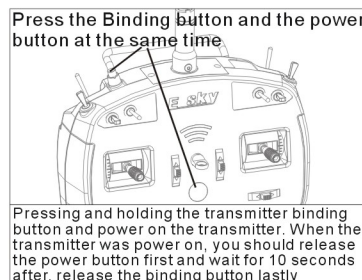
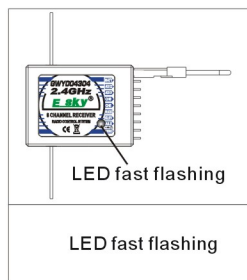
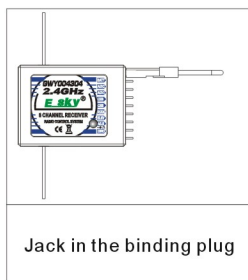
- 1) Press the Trainer Button and push the Rudder/Aileron Trim leftward at the same time, then press the power button. The transmitter will emit a series of beep sound. That indicates the transmitter has entered the control mode setting

- 2) Push any of the Throttle/Elevator Trim buttons once, different beep sound will be heard for each push:
  - 1 beep refers Mode 1
  - 2 beeps refers Mode 2
  - 3 beeps refers Mode 3
  - 4 beeps refers Mode 4
- 3) To select the desired mode, push the Rudder/Aileron Trim to the right, 2 beeps will be heard. Switch off the transmitter then the control mode is set



## 5. Normal instruction

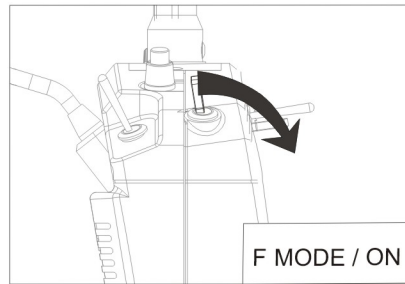
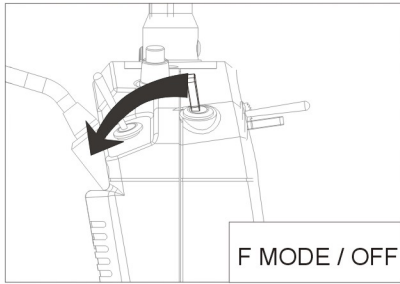
- 1) Turn on transmitter procedure: Press and hold the power button 3~5 second, the buzzer will have a “beep” noise, the LCD icon will light on and solid. This signal means the transmitter is turn on successfully.
- 2) Binding procedure: Insert the binding plug in the Channel 9 (Power supply interface) receiver / 3 axis gyro and connect the electricity, the LED will fast flashing. Pressing and holding the transmitter binding button and power on the transmitter. When the transmitter was power on, you should release the power button first and wait for 10 seconds after, release the binding button lastly. If the above procedure is success, the LED will solid after 5 seconds and the binding process is completed, remove the binding plug. Otherwise, please follow the above procedure to bind it again. (Note: To operate the binding procedures, please make sure the brushless motor and the ESC is not connected.)



- 3) Turn off transmitter procedure: Press and hold the power button 3~5 second, the buzzer will have a “beep” noise, the LCD icon will light off and solid. This signal means the transmitter is turn off successfully.
- 4) Trainer wireless binding: Open the transmitter (Master transmitter), plug in the wireless connection device through the 30 Pin connector, after that press and hold the binding button, it will auto detect the wireless connection device and connect with the transmitter in 20 seconds. If success, the LED wireless connection device will solid.
- 5) Charging procedure: Plug in the charging connection wire to the transmitter via the 30 Pin charging connector, and then plug the USB connector in the 5V charger.

## 6. Normal and aerobatics mode

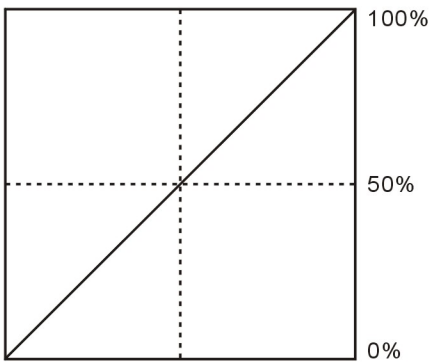
ESKY 6T channel helicopter is installed an aerobatics curve in the transmitter, switch off the transmitter, the pitch and throttle is automatically exchange into suitable for aerobatics mode used. The picture below: (Left throttle).



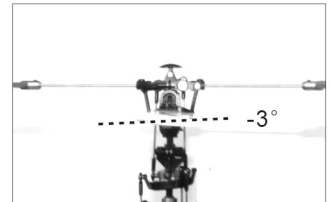
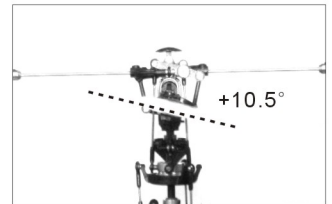
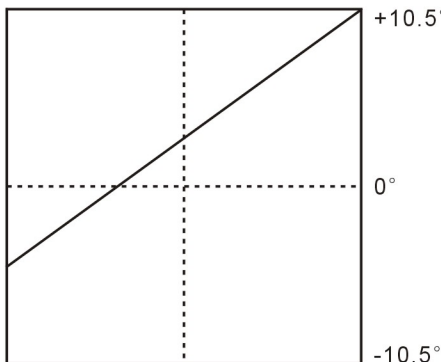
### Normal

When the transmitter is closed the aerobatics mode, the throttle curve is linear from 0% to 100%. The helicopter under this mode, it will change the setting depends on throttle curve from 0% to 100% and the pitch curve from -3 degrees to +10.5 degrees (factory default setting). This is the preferred flight mode for general hovering and basic flight. (The user can use the ESKY setting module or connection wire to connect with the computer to reset the pitch and throttle curve)

**Throttle Curve**



**Pitch Curve**

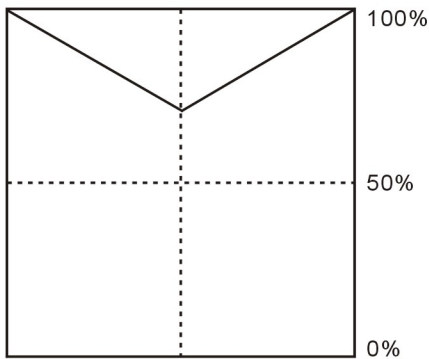


Bottom ← Throttle Control Stick → High Bottom ← Throttle Control Stick → High

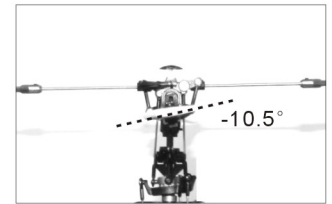
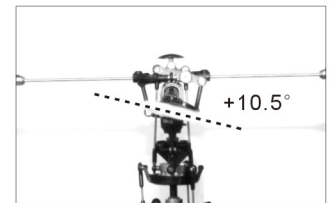
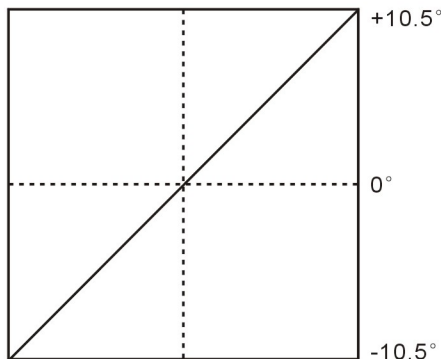
### Aerobatics

When the transmitter is opened the aerobatics mode, the helicopter is under the 3D aerobatics mode. In this mode, the throttle curve is remain at 100% and becomes a "V" shape status. If the throttle curve change from 0% to 100%, the pitch curve change from -10.5 degrees to +10.5 degrees (factory default setting). This is the preferred flight mode for aerobatics flight. (The user can use the ESKY setting module or connection wire to connect with the computer to reset the pitch and throttle curve)

**Throttle Curve**

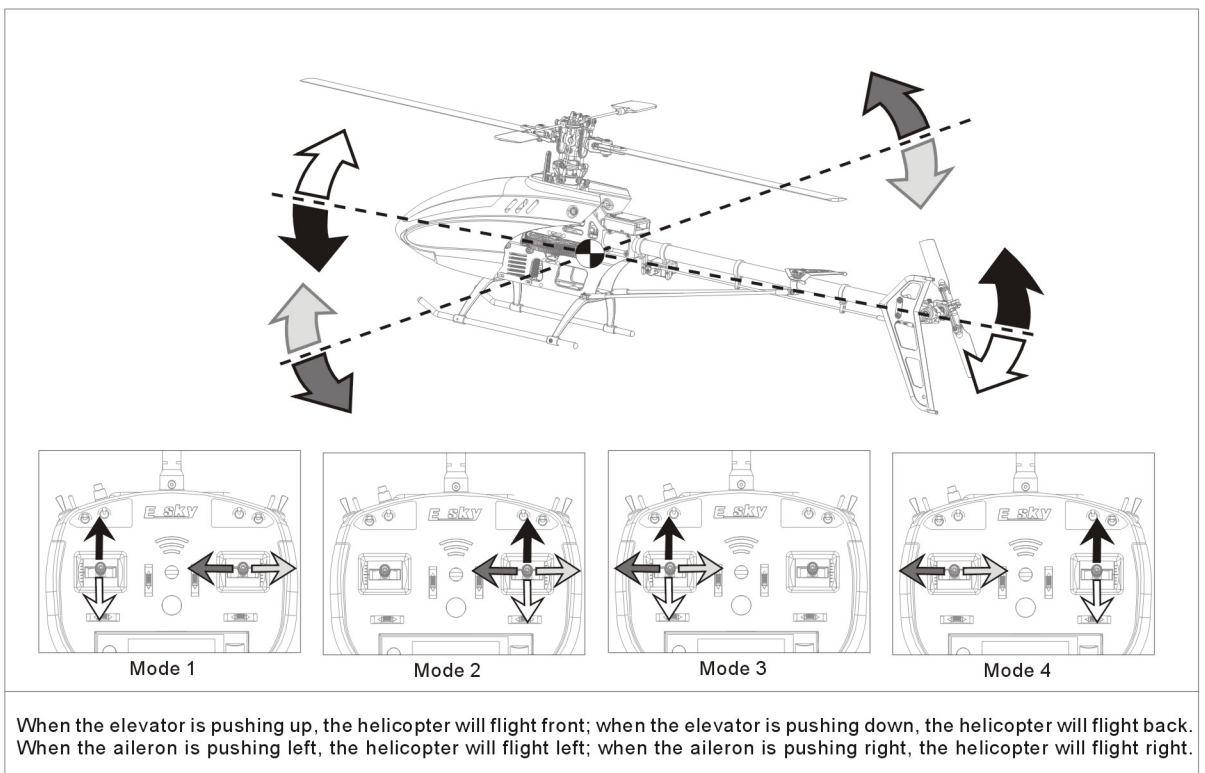
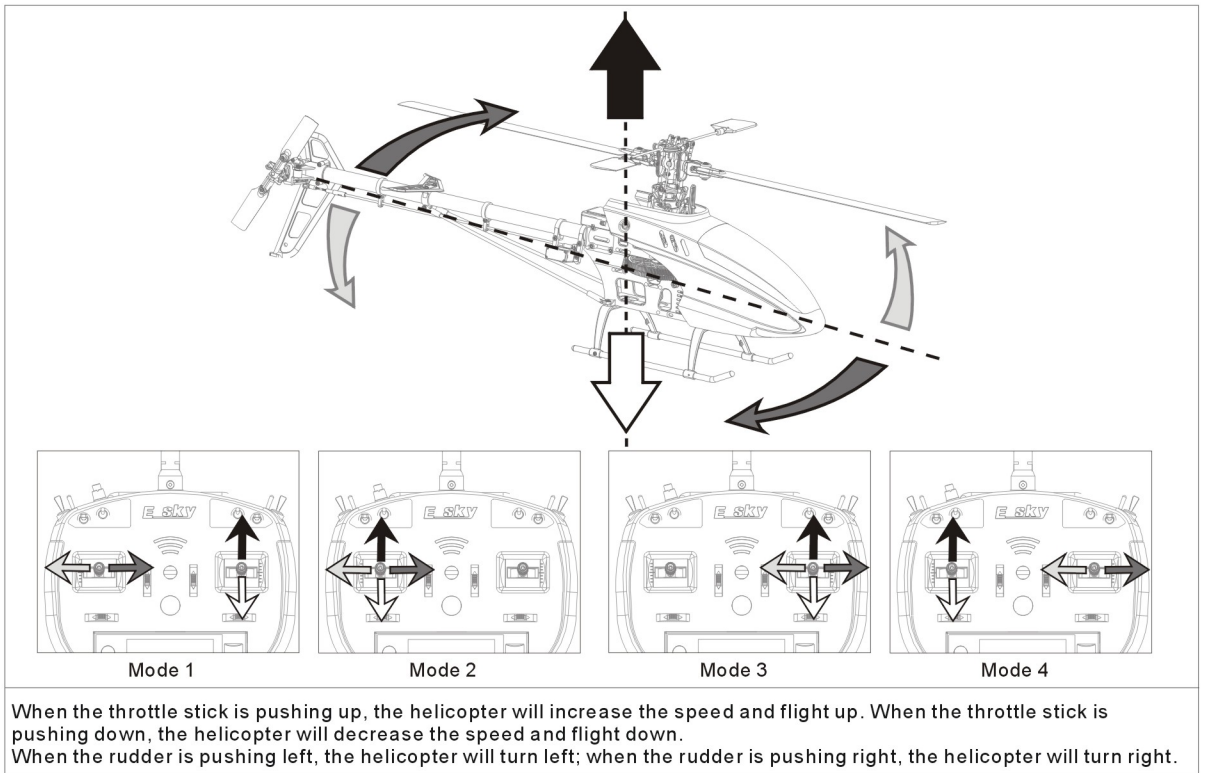


**Pitch Curve**



Bottom ← Throttle Control Stick → High Bottom ← Throttle Control Stick → High

## 7.The transmitter control instruction

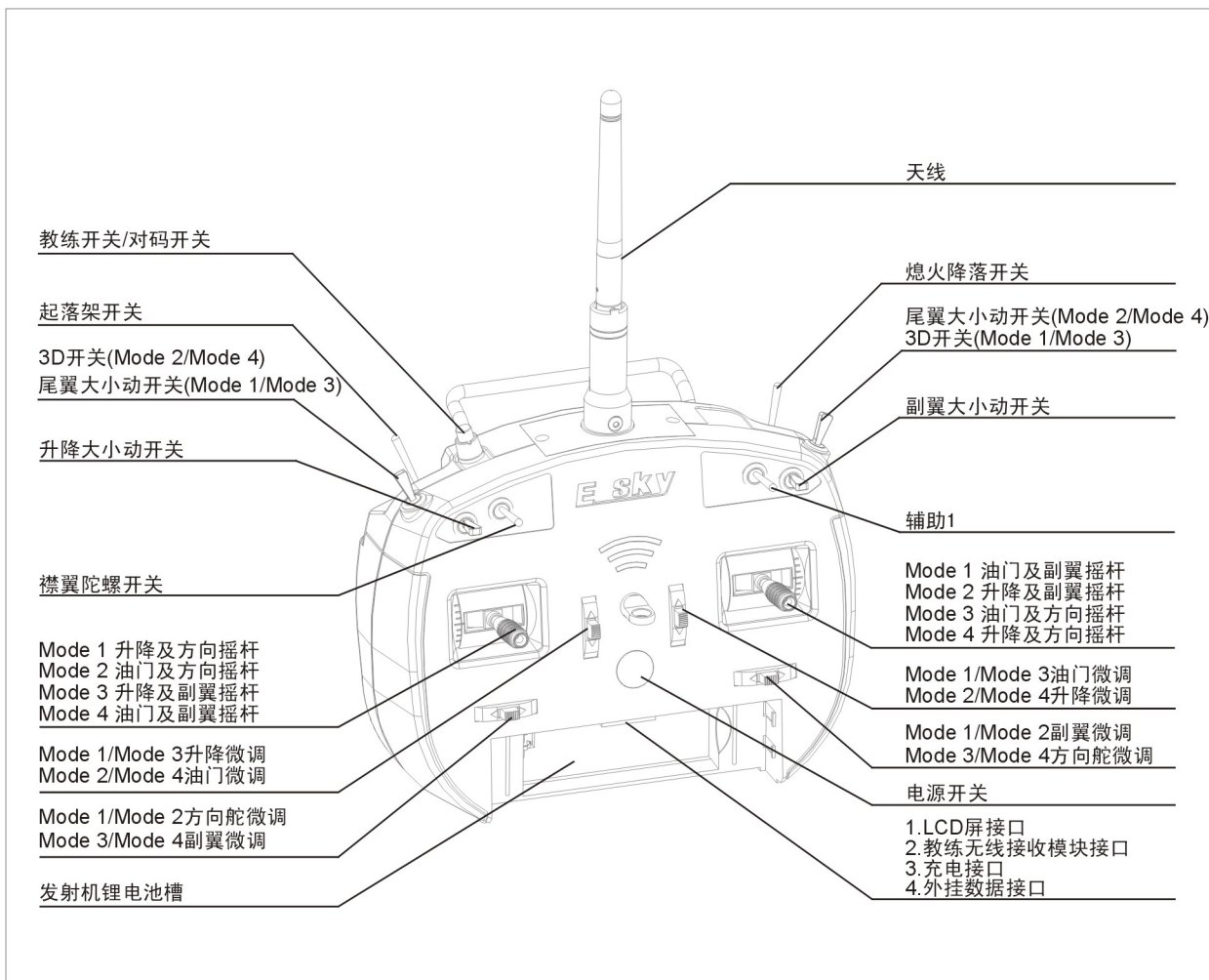


## 8. Trouble Shooting

Trouble Description	Possible reason	Solution
Can not turn on the transmitter	Missing battery or voltage	Changing battery and re-charging the battery
Turn on the transmitter, Buzzer have noise but can not turn on the transmitter.	1)Throttle position has not push down to the lowest position. 2)Other functions can not go back to default "0" position.	1)Please check the throttle stick position, push down the stick at the lowest position. 2)Please check all the functions button or switch, and adjust the value back to "0" position
Can not connect with the receiver normally	1)When turn on the transmitter, user press the binding button carelessly 2)Is there any metal or other material surround with you 3)The helicopter is not charging normally	1)Please press the binding button to re-binding the transmitter 2)Please stay in a flat area without heavy or many metals surrounded area 3)Please check the receiver battery power and connector is connected correctly
Remote control area has not achieve the standard	1)Is the receiver antenna mix with the other device wire together? 2)Is the receiver antenna loose or damage?	The receiver antenna must have a distance with other electronic wire (at least 20mm)
Remote control can not operate properly	1)Is it the helicopter type not correct? 2)Is it Servo not working properly? 3)Is there any strong frequency jammed, affecting the transmission quality?	1)Please make sure the transmitter setting is matching with the correct helicopter model 2)Please make sure the servo is working properly 3)Please make sure there is no any big frequency device in the area. It is include wireless router or frequency tower
Under the operation, LED is flashing unexpectedly, the Buzzer have noise contiuously.	The battery power is very low (Lower than 20%) or connection error, occur the alarm.	Please check the battery stick tight, and then check the battery power. Charging the battery on time and replace the battery if necessary.

# GWY004307 6T发射机

## 1. 发射机各部位介绍



## 2. 发射机规格参数

- 1)工作频道：ISM 2.4GHz(2.400~2.480GHz)
- 2)通道数为6CH。
- 3)工作电流不大于100毫安（没有LCD设置模块），不大于120毫安（有LCD屏）。
- 4)使用电池为单节锂电池（4.2V），容量为1100毫安时。

## 3. 产品特点

- 1)采用2.4G ISM频道, 开机自动选定干净工作频道。
- 2)接收和发射采用ID识别连接，防止外来干扰，提供系统工作稳定和可靠性。
- 3)可以自愿选用LCD菜单设置模块。设置模块简单易操作，参数设置简单方便。
- 4)左右手切换灵活方便（结构切换+菜单设置）。
- 5)教练接口采用无线接入。
- 6)开关机采用软开关，克服时间长，滑动开关接触不良的缺点。
- 7)遥控手感好，整个外观设计符合人体工程学，操作舒服。

## 4.发射机左右手/油门/升降互换

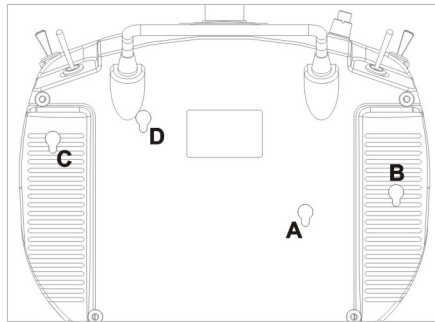
(1) 结构调整，调整前请先取出发射机背后四个橡胶塞(A、B、C、D位置处)，如下页发射机背面图所示。

左手换右手

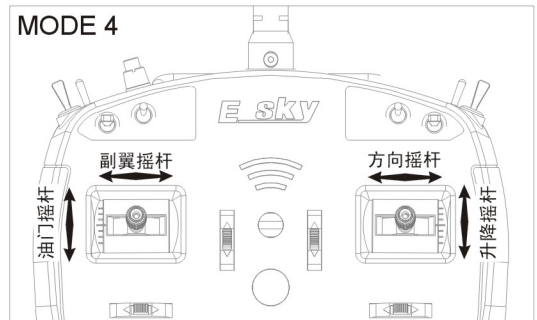
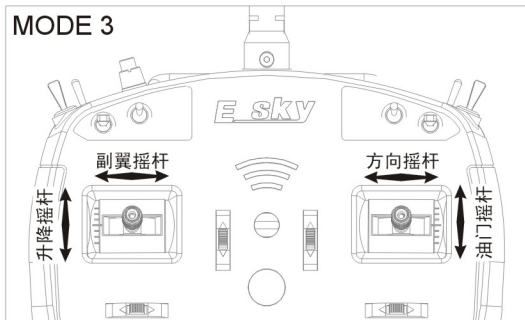
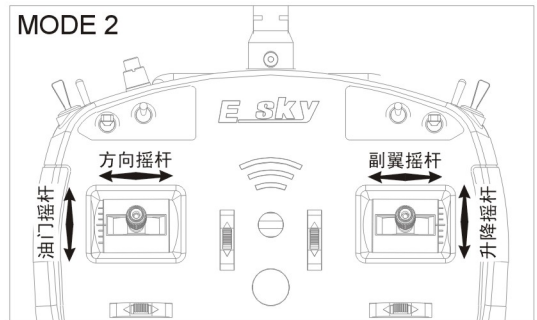
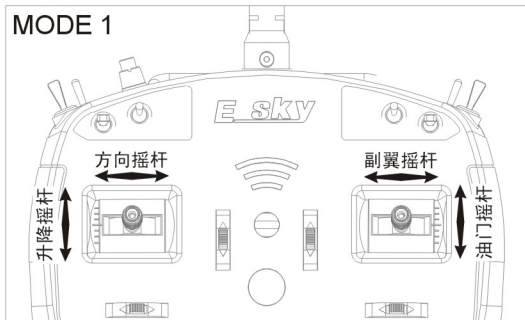
- 1) 用十字螺丝批将A调节螺丝拧松，调至摇杆上下移动无阻力状态即可。
- 2) 用十字螺丝批将B调节螺丝锁紧，调至摇杆上下移动后可自动反弹状态即可。
- 3) 用十字螺丝批将C调节螺丝拧松，调至摇杆上下移动无反弹状态即可。
- 4) 用十字螺丝批将D调节螺丝锁紧，调至摇杆上下移动有阻力状态即可。

右手换左手

- 1) 用十字螺丝批将D调节螺丝拧松，调至摇杆上下移动无阻力状态即可。
- 2) 用十字螺丝批将C调节螺丝锁紧，调至摇杆上下移动后可自动反弹状态即可。
- 3) 用十字螺丝批将B调节螺丝拧松，调至摇杆上下移动无反弹状态即可。
- 4) 用十字螺丝批将A调节螺丝锁紧，调至摇杆上下移动有阻力状态即可。



发射机背面图



(2) 设置摇杆模式，摇杆模式切换

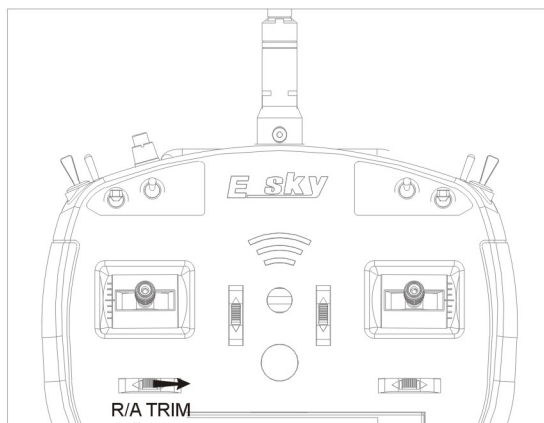
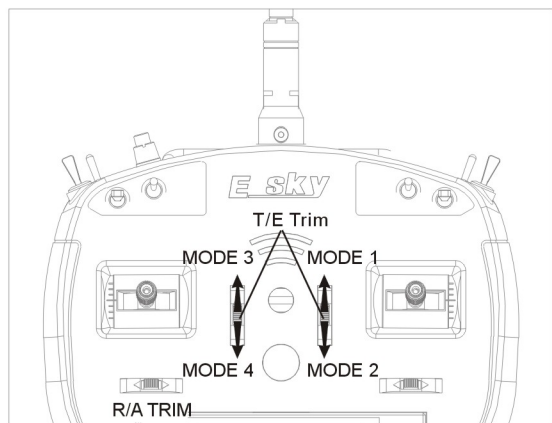
摇杆模式分为4种：MODE 1、MODE 2、MODE 3、MODE 4如上图所示

(3) 摇杆模式切换

- 1) 按下教练开关，同时将R/A TRIM 微调天关拨到最左边，再按下电源天关，此时发射机会发出一串“BB...”的声音表示进入摇杆模式设置模式。

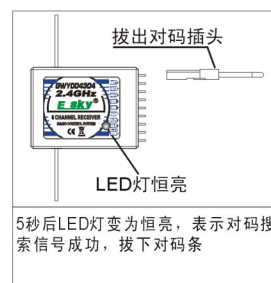
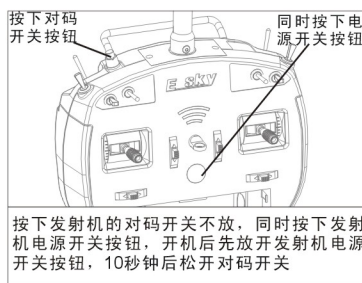
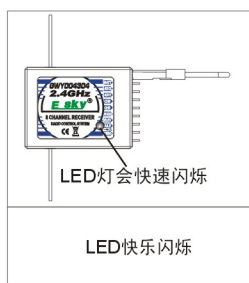
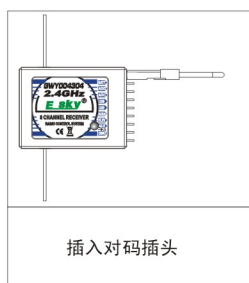


- 2) 按一下T/E TRIM微调开关的任意一个键，会听到不同“BB...”的声音：  
 听到“B”表示所选择的是：MODE 1  
 听到“BB”表示所选择的是：MODE 2  
 听到“BBB”表示所选择的是：MODE 3  
 听到“BBBB”表示所选择的是：MODE 4
- 3) 在选择好模式后，将R/A TRIM开关拨到右边，此时会听到“BB”的声音，关闭电源，摇杆模式切换完成。



## 5. 常用操作说明

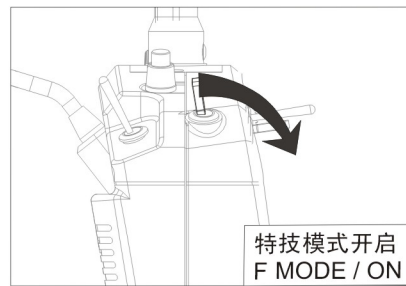
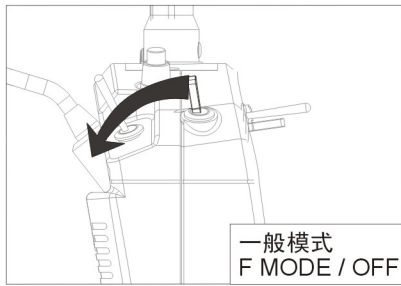
- 1) 开机操作：按住电源开关按钮3-5秒不放，LED会闪烁，等蜂鸣器响起，LED变为长亮，表示开机成功。
- 2) 对码操作：先将对码条插入接收机的第9通道(电源接口),连接电源，此时LED灯快速闪烁，然后按下发射机的对码开关不放，同时按下发射机的电源按钮，开机后先放开发射机电源开关按钮，10秒钟后松开对码开关，5秒后LED灯变为恒亮，对码成功并搜索信号成功，拨下对码条，否则请重复上述动作。(注：在进行对码操作时，请先断开无刷马达与电子调速器之间的连线。)



- 3) 关机操作：按住电源开关按钮3-5秒不放，LED会闪烁，等蜂鸣器响起，LED会熄灭，表示进入关机状态。
- 4) 教练无线对码：先打开主机(教练机)，再把无线教练接收模块插到30Pin接口，在20秒以内，按住从机的对码键不放开机，从机会自动与无线教练接收模块对码连接，成功后，无线教练接收模块接收模块LED变为长亮。
- 5) 充电操作：把配带的充电线插入发射机的30Pin充电接口，再把充电线的USB接口插接5V的电源供应器。

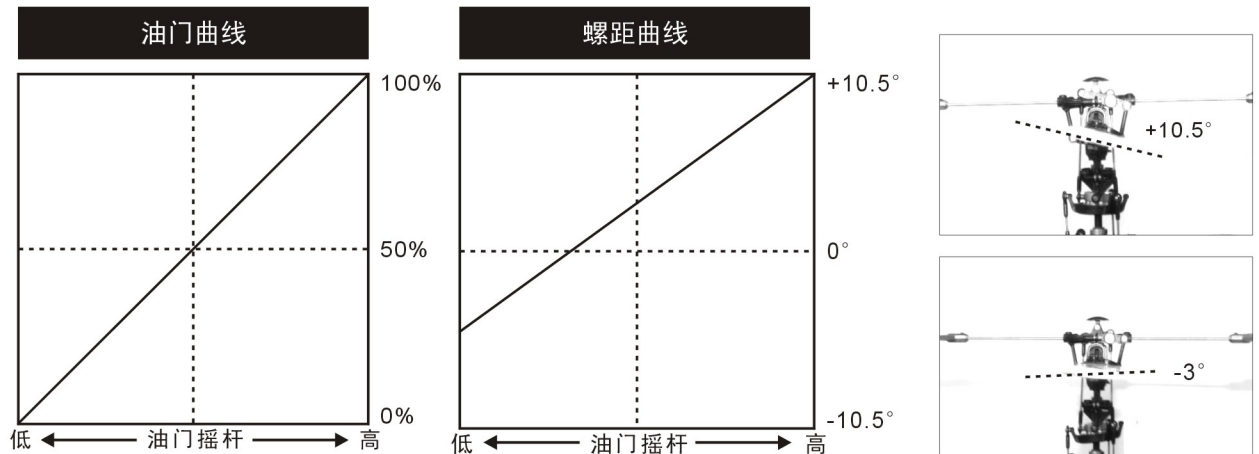
## 6. 一般模式与特技模式

ESKY 6T通道直升机用发射机内建特技模式曲线。按下开关，螺距与油门会自动切换为适合特技飞行的模式。如下图(左手油门)。



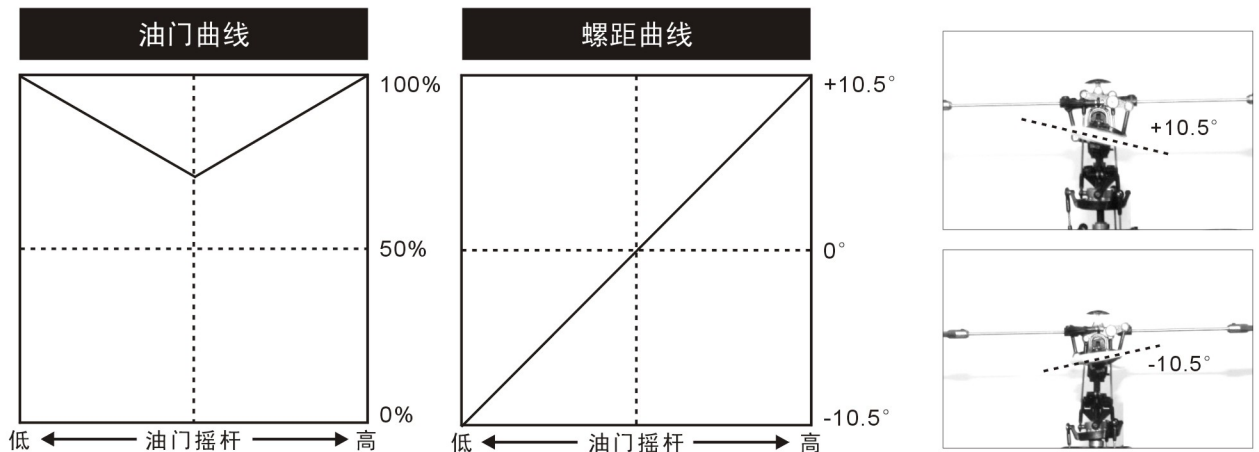
### 一般模式

当发射机上的特技开关处于关闭位置时，油门曲线处于0%至100%的区间。直升机在这种飞行模式下，随着油门曲线从0%的位置往100%变化，螺距曲线从-3度到+10.5度进行变化(出厂设置)。这种飞行模式适合基本动作飞行。(用户可使用ESKY的设置模块或通过数据线与电脑连接重新设置螺距或油门曲线)

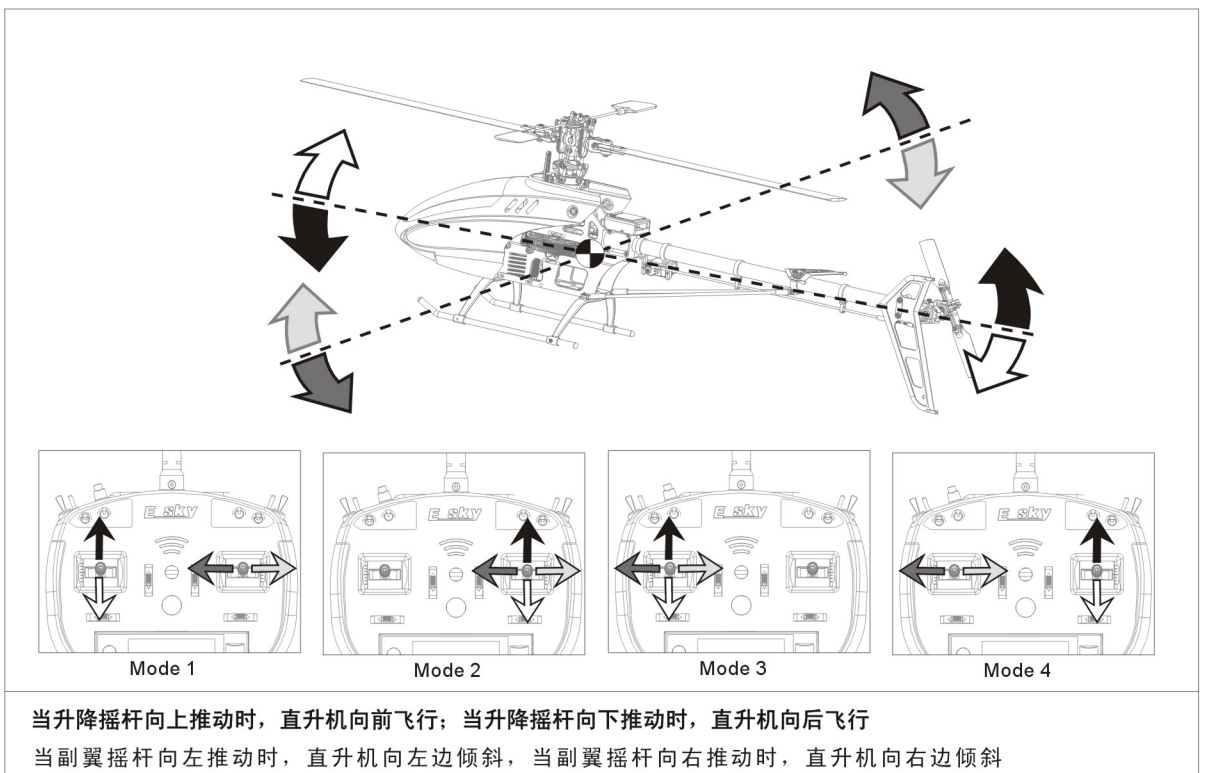
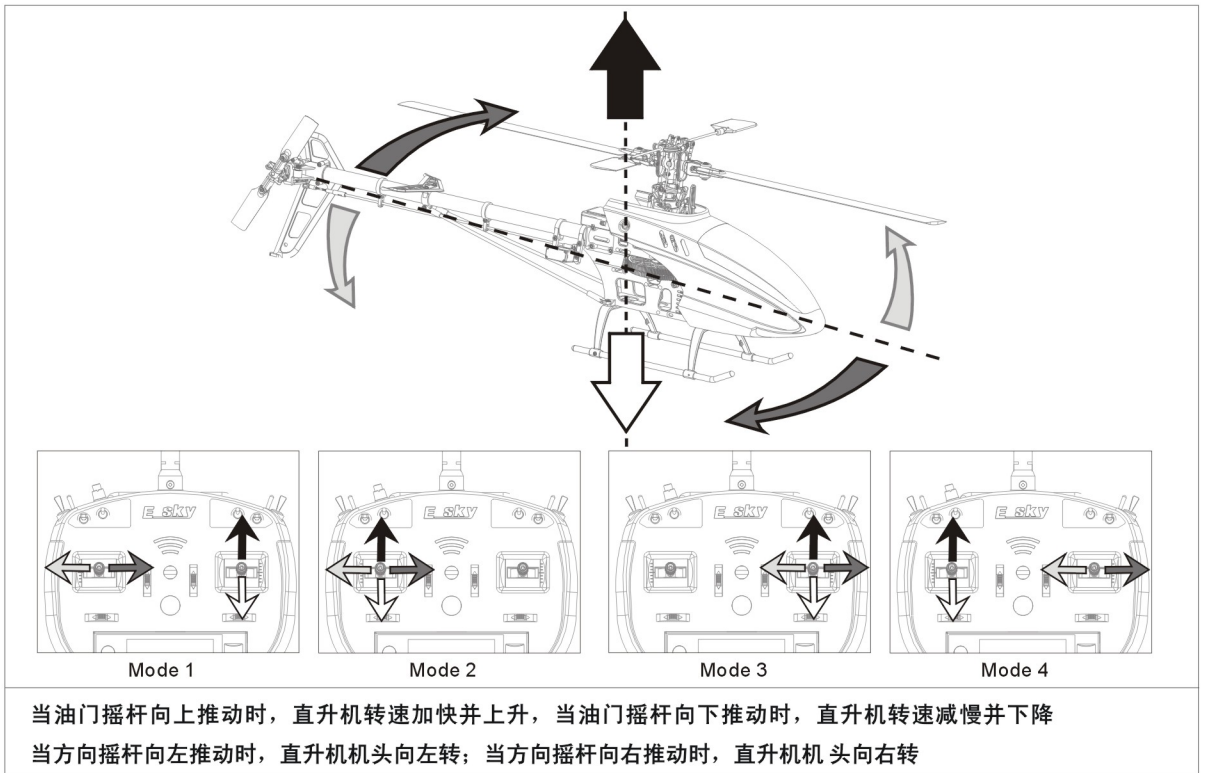


### 特技模式

当发射机上的特技开关处于打开位置时，直升机处于3D特技飞行模式。在这种飞行模式下，油门曲线从100%位置到100%位置呈现“V”字型状态。随着油门曲线从0%至100%变化，螺距曲线从-10.5度到+10.5度进行变化(出厂设置)。此时适合进行特技飞行与倒飞动作。(用户可使用ESKY的设置模块或通过数据线与电脑连接重新设置螺距或油门曲线)



## 7.发射机的控制说明



## 8.故障排除

故障现象	可能原因	解决方法
不能开机	可能没有电池或电池欠压。	更换电池或充电后再用
开机时，蜂鸣器响，不能正常开机	1)油门位置没有放在最低； 2)其它功能开关没有打回初始“0”位置。	1)检查油门摇杆位置并把摇杆放于最低位置。 2)检查所有的功能开关并打回“0”位置
不能与接收机正常相连接	1)开机时，误按下对码键； 2)你周围是否是金属物体。 3)飞机模型是否正常上电。	1)重新与接收对码； 2)远离比较大的金属物体，最好是很空旷的地方。 3)检查接收机的电池电量和插头是否对接良好
遥控距离没有达到规格要求	1)接收机的天线是否有和其它的线材绞在一起； 2)接收天线是否有松动或损坏。	接收机天线一定要与其它的线有一定距离(至少20mm)；
遥控时，不能正确控制	1)飞机类型有可能不正确； 2)舵机响应不正常； 3)周围存在可能存在很强的无线干扰，影响无线通讯品质。	1)确定遥控器设置的飞机类型是否正确； 2)仔细检查各舵机响应是否正常； 3)注意附近是否有有什么大型的发射装置。远离机站之类的发射台。居民楼中的无线宽带路由器也是很强的干扰源
操作过程中,LED突然闪烁,并伴有断续的蜂鸣声	很可能是电池电量太低(低于20%)或接触不良,从而引起报警	查看电池是否松动,再进一步检查电池电量。及时充电或更换电池。