RC
OmG
Outstanding Model Gear

M5 3-AXIS GYRO SYSTEM
For MiNi RC Car

重量:14g 尺寸:21x15x8.8mm

① 额定工作电压：5-8V；　② 静态电流：<50mA;

指示灯状态说明		
LED状态	对应功能	调整方式
红色快闪	陀螺仪初始化	/
黄色快闪	遥控信号丢失	/
红色常亮	Z轴正常感度模式	感度信号输入
红色慢闪	Z轴正常感度模式	电位器调整
绿色常亮	X轴正常感度模式	感度信号输入
绿色慢闪	X轴正常感度模式	电位器调整
蓝色常亮	Y轴正常感度模式	感度信号输入
蓝色慢闪	Y轴正常感度模式	电位器调整
紫色常亮	Z轴AVCS模式	感度信号输入
紫色慢闪	Z轴AVCS模式	电位器调整
黄绿色常亮	X轴AVCS模式	感度信号输入
黄绿色慢闪	X轴AVCS模式	电位器调整
青色常亮	Y轴AVCS模式	感度信号输入
青色慢闪	Y轴AVCS模式	电位器调整
橙色慢闪3次	感度正反向设置	双击SW开关
白色灯慢闪行	程设置模式	长按SW 上电

指示说明

舵机
(-/+/S)

接收机
(-/+/方向/感度)

行程设置
恢复设置
感度正方向
双感度设置

灵敏度

LED指示灯

SERVO
RECEIVER
LIMIT GAIN
SW
LED

感度大小调整

1.利用遥控感度通道进行感度调整（SBUS输入时默认），范围从-100%~0~ +100%。

　　a. 0为没有感度。

　　b. -100% / +100%为感度最大。

　2.当没有使用感度线输入时，使用陀螺仪本身电位器来做感度大小调整。

功能开工操作说明

行程设置

按着 SW 开关上电， 白灯慢闪， 进入舵机行程设置，旋转遥控器方向舵,使舵机转到所需要的位置上（可向左/右边），短按一下SW开关，白灯快闪2下，红绿灯变成常亮， 蓝灯慢闪， 表示这个行程已经保存，再旋转遥控器方向舵,使舵机转到另一方向所需要的位置，短按一下开关，白灯快闪2下，然后白灯亮起，表示这个行程也已经保存。2秒后陀螺仪自动进入初始化，初始化完成后可以正常工作.

行程恢复默认设置

按着 SW 开关上电进入构设置模式，长按开关 3S 后，红、黄绿灯开始交替闪烁，2秒后恢复成默认设置.然后进入初始化，初始化完成后可以正常工作。

感度正反向设置

正常工作状态下，双击SW开关两次后，橙色慢闪3次，切换感度正反向.

AVCS:工作状态长按SW开关2秒闪黄灯两次松开，转换正常模式与AVCS模式。

X、Y、Z三轴向选取设置：
陀螺仪工作状态按下SW 开关5秒闪黄灯三次（2秒时闪两次黄灯不要松SW）后松开SW进入轴向设置模式，此时按一下SW开关，轴向选择红色灯快闪两下常亮（默认Z轴），再按一下SW转换到X轴绿色灯快闪两下常亮，后再按一下转换到Y轴蓝色灯常亮，继续按一下SW转换到Z轴,三轴循环选取。轴向设置模式不操作SW键5秒闪白灯两次退出，回到工作状态。
三轴向设置顺序如右：Z轴　X轴　Y轴　Z轴
注：长按SW开关5秒进入轴向设置后没有松开按开关，陀螺仪会保持在轴向设置模式，直到松开 SW，5秒后闪白灯两次退出轴向设置模式，进入工作状态。

信号输入模式

①模拟舵机信号输入周期在10-20MS内的，陀螺仪舵机信号输出周期跟随输入周期。

②FUTABA的SBUS2输入支持，输出舵机信号为3MS周期。

③FUTABA SR信号输入支持，同时陀螺仪输出FUTABA SR信号

④信号输入支持SANWA舵机信号：输入SSR\SUR\SXR信号，陀螺仪跟随输出SSR\SUR\SXR信号。
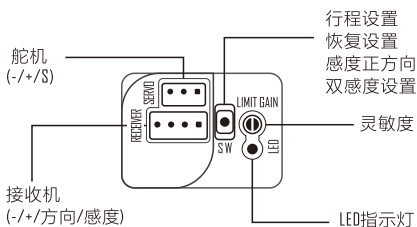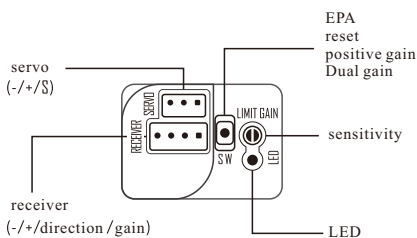
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Weight:14g Size: 21x15x8.8mm

LED Status

LED	Functions	Tune type
Red quick blink	Initialization	/
Yellow quick blink	No transmitter signal	/
Red solid light	Normal gain mode on Z axis	Gain signal input
Red slow blink	Normal gain mode on Z axis	Potentiometer tune
Green solid light	Normal gain mode on X axis	Gain signal input
Green slow blink	Normal gain mode on X axis	Potentiometer tune
Blue solid light	Normal gain mode on Y axis	Gain signal input
Blue slow blink	Normal gain mode on Y axis	Potentiometer tune
Purple solid light	AVCS mode on Z axis	Gain signal input
Purple slow blink	AVCS mode on Z axis	Potentiometer tune
Chartreuse solid light	AVCS mode on X axis	Gain signal input
Chartreuse slow blink	AVCS mode on X axis	Potentiometer tune
Cyan solid light	AVCS mode on Y axis	Gain signal input
Cyan slow blink	AVCS mode on Y axis	Potentiometer tune
Orange slow blink 3 times	Back-and-forth setting for Gain	Double-click Switch Button
White slow blink	Travel setting mode	Press SW to power on

指示说明

servo
(-/+/S)

receiver
(-/+/direction / gain)

EPA
reset
positive gain
Dual gain

sensitivity

LED

Sensitivity gain function

1.Adjust the gain value by transmitter's sensitivity channel,
  range from -100% ~ 0 ~ + 100%.
  a. 0 is no gain at all.
  b. -100%/+ 100% is the maximum sensitivity gain.
2. When the gain wire is not used, use the gyroscope's own
  potentiometer to adjust the gain value.

Instruction of Function Switch

1. EPA (Travel setting)
Press the "SW" switch to power on. White LED blinks slowly, entering to the servo travel setting . Rotate the transmitter's steering wheel to make servo stop at the desired position (turn left / turn right). Short press "SW" switch, then white LED blinks 2 times quickly; red & green LED becomes solid; and blue LED blinks slowly. It means current travel has been saved. Then rotate the transmitter's steering wheel to make the servo stop at the other desired position. Short press the switch, then white LED blinks 2 times quickly, and keep solid light after that. It means current travel has been saved as well. 2seconds later, the gyro will automatically enter into initialization mode . Once the initialization is completed, gyro is ready for use.

2.Reset (Travel Restore Default Setting)
Press the "SW" switch to power on and enter into the travel setting mode. After pressing and holding the switch for 3 seconds, the red LED and chartreuse LED starts to blink alternately. 2 seconds later, restore to default setting. Then it will enter into initialization mode. Once the initialization is completed, the gyro is ready for use.

3.Back-and-forth setting for Gain
After double-click SW button 2 times under the normal working status , the orange LED will slowly blinks 3 times. Then switch-over the Back-and-forth direction of the gain.

4.AVCS mode
Press the SW switch for 2 seconds under the working status, and release the switch after the yellow LED blinks 2 times. Switch-over normal mode and AVCS mode.

5.X/Y/Z axis setting

Press and hold the SW switch for 5 seconds under normal working status, and the yellow LED blinks 3 times (Please do not release the SW switch when the yellow LED blinks 2 times at 2 seconds). Then release the SW switch and enter into the axis setting mode. Under this mode, press the SW switch and the red LED quickly blinks 2 times and keep solid light. It is the default Z axis. Repress the SW switch and switch-over to X axis. The green LED will quickly blinks 2 times and keep solid light . Repress the SW switch and switch-over to Y axis. The blue LED will keep solid light. If repress the SW switch, will switch-over to Z axis again (cycling as this way).

If you do not press the SW switch after entering into the axis setting mode, the gyro will exit the setting mode and be back to normal working mode after the white LED blinks 2 times.
The setting sequence of the 3 axis: Z(default)-X-Y-Z...

Note: If you do not release the SW switch after entering the axis setting mode, the gyro will keep in the axis setting mode until you release the SW switch and the gyro will exit the setting mode and be back to normal working mode after the white LED blinks 2times.

Input Signal Type

1.If the input period of the analog servo signal is within 10-20MS, the output period of the gyroscope follows the input period.
2.Suitable for FUTABA SBUS2 signal input and servo 3MS period output.
3.Suitable for FUTABA SR signal input and SR output.
4.Suitable for SANWA SSR \ SUR \ SHR signal input and SSR\ SUR\SHR output.