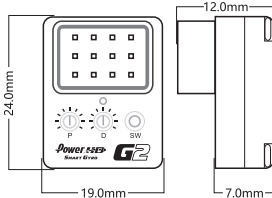


### ● 陀螺仪参数

尺寸	:24.0x19.0x7.0mm
重量	:6.0g
工作电压	:4.8-8.4V
工作电流	:18mA@6V
支持伺服脉宽	:300-1520us/50hz-760hz
控制系统	:PID控制系统
陀螺传感器	:美国Invensense
角速度	:最大±4000/s



### ● WARNING:

- 1.线束带白线为信号线S端。使用陀螺仪前请确保连接正确
- 2.陀螺仪需安装在平整处并远离动力马达以免受到震动而影响性能
- 3.开机自检时确认其它电子设备是否有发出强力震动使陀螺仪初始化失败

### ● G2陀螺仪说明

- ▶ **SW=Switch:** 功能设定按钮
- ▶ **1.切换正反向:** 待机下快速按一次SW 键为切换正反方向，根据您使用不同方向伺服器调整正确的导向。
- ▶ **2.切换红/蓝灯模式:** 待机下短按3秒SW 键切换蓝灯与红灯系统，根据不同赛道、驾驶习惯、不同伺服器的特性，而选择不同的系统。（蓝灯系统常用于压制伺服器在高感度下产生的抖动）
- ▶ **3.锁定陀螺仪最大甩角:** 确保遥控器已设定左右转向合适的EPA行程。按住SW键后再通电、见LED红、蓝灯同时闪烁即松开SW键、操控遥控方向手轮转左边到头按下SW键、手轮再往右边转到尽按下SW键后放开转向手轮，待LED灯转为常亮状态即代表陀螺仪锁角操作成功。
- ▶ **4.解除甩角:** 按住SW键后通电3秒，LED灯闪完转常亮则解除锁定行程并初始化成功。

### P=Priority: 手轮介入调设旋钮

手轮介入旋钮为240°迷型电位器调节，可调节有效时钟方位从8点钟---4点钟，出厂默认在12点位置。此功能逆时针为陀螺仪控制增加，顺时针为遥控手轮控制增加。（根据搭配不同舵机、场地、车架设定和抖动情况，进行调节到最合适自己手感的位置）

### D=Damper: 防抖旋钮

防抖功能旋钮为240°迷型电位器调节，可调节有效时钟方位从8点钟---4点钟，出厂默认在12点位置。此功能逆时针为抖动增加同时舵机速度加快，顺时针为抖动减少舵机速度减慢。（根据搭配不同舵机、场地、车架设定和抖动情况，进行调节到最合适的位置）

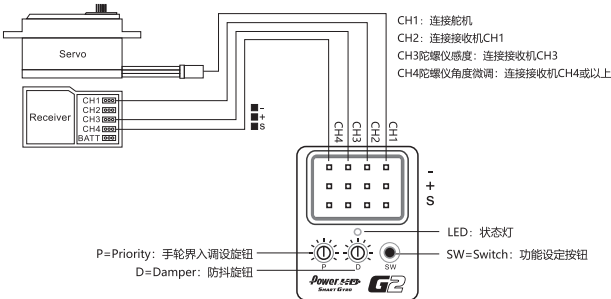
### CH4通道: 角度微调

CH4接口为陀螺仪甩出角度微调功能，需要与接收机CH4或其它通道连接。如感度类同以+ -100调节陀螺仪甩出最大最小+ -5°，根据搭配不同舵机、场地、车辆在弯道姿态的保持度适当调节。

### ● LED状态显示

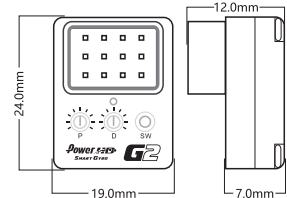
LED灯慢-转快--长亮	开机自检
LED蓝灯快闪	无遥控信号
蓝灯和红灯一起慢闪	设定甩角
LED红灯持续快闪	工作状态

### ● 连接示意图



### ● Gyro G2 parameters:

Size	:24.0x19.0x7.0mm
Weight	:6.0g(excluding cables)
Operating voltage	:4.8-8.4V
Operating current	:18mA@6V
Support the servo pulse width	:300-1520us/50hz-760hz
Control system	:PID control system
Gyro Sensor	:American Invensense
Angular velocity	:Maximum ±4000/s



### ● WARNING:

- 1.The white wire on the harness cable is the signal wire. Please ensure the harness cable is connected correctly on the gyro before use.
- 2.Install the gyro on a flat surface and away from the motor to avoid vibrations which affect performance.
- 3.During power turn-on, ensure other electronic devices do not emit strong vibrations which will cause gyro initialization to fail.

### ● POWER HD G2 Gyro Function Description

- ▶ **SW=Switch:** Function setting button
- ▶ **1.Changing output direction:** After the gyro is turned on and initialized, press the SW button once quickly to switch between normal and reverse directions. Adjust this according to your servo and car layout. The front wheels of the car should counter-steer in the opposite direction when the car is sliding sideways.
- ▶ **2.Changing Blue and Red LED modes:** After the gyro is turned on and initialized, press and hold the SW button for 3 seconds to switch between blue and red LED mode. The blue LED mode is used to suppress steering servo wobble caused by high gyro gain. The different modes are chosen according to different tracks, driving habits and different servo characteristics. Do choose the mode that suits you best.
- ▶ **3.Setting gyro end point limit:** Adjust the transmitter steering EPA properly first! Do not use EPA that exceeds the car's physical steering limit.  
\* Power-off the car before the following steps.  
\* Press and hold the SW button before turning on the power. Power on and release SW button when the Blue and Red LED flash together slowly. Turn steering wheel to full left and press SW button to register left end point limit. Turn steering wheel to full right and press SW button to register right end point limit. When the LED lights turn to a steady state, the gyro end point limit is set successfully.
- ▶ **4.Resetting gyro end point limit:** \* Power-off the car before the following steps.  
Press and hold the SW button before turning on the power. Power on and HOLD SW button for 3 seconds to reset end point limit. The LED will flash quickly and turn solid to show that the end point limit has reset and initialization is successful.

### P=Priority: Steering wheel priority setting knob

Steering wheel priority function is adjusted via a potentiometer with 240° adjustment range (Arrow position 8 o' clock to 4 o' clock). The factory default is 12 o' clock (Arrow point up). To increase gyro priority, turn the arrow anticlockwise towards 8 o' clock. To increase steering wheel priority, turn the arrow clockwise towards 4 o' clock. Adjust the steering wheel priority according to different servos, track surface, chassis settings and steering wobble conditions to find the setting that suits you best.

### D=Damper: Anti-shake setting knob

Damper function is adjusted via a potentiometer with 240° adjustment range (Arrow position 8 o' clock to 4 o' clock). The factory default is 12 o' clock (Arrow point up). Decrease damping to increase wobble and increase servo speed, turn the arrow anticlockwise towards 8 o' clock. Increase damping to decrease wobble and decrease servo speed, turn the arrow clockwise towards 4 o' clock. Adjust the damping according to different servos, track surface, chassis settings and steering wobble conditions to find the setting that suits you best.

### CH4 channel: Car angle fine adjustment

Car angle can be finely adjusted via CH4 channel or other available channels. The range of CH4 adjustment on the transmitter is +/- 100% which correspond to car angle adjustment range of +/- 5°. Adjust the CH4 car angle according to different servos, track surface, chassis settings and car performance on track.

### ● LED status display

LED light (Slow Blink >> Fast Blink >> Steady)	Power-on self-test
Blue LED fast blink	No signal
Blue and Red LED slow blink	Endpoint Limit setting
Red LED fast blink	Normal operation

### ● Connection

