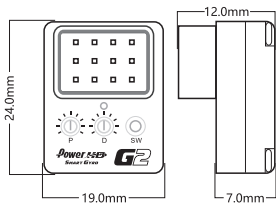


● **Gyro G2 parameters:**

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**

