V1 GYRO SYSTEM
For RC Car Drift

END POINT: Function setting button

LED: Dual-color LED status light

LUIMIT GAIN: Sensitivity adjustment potentiometer

RED/BLUE: red light system mode / blue light system mode

REV/NOR: Servo normal / reverse switch
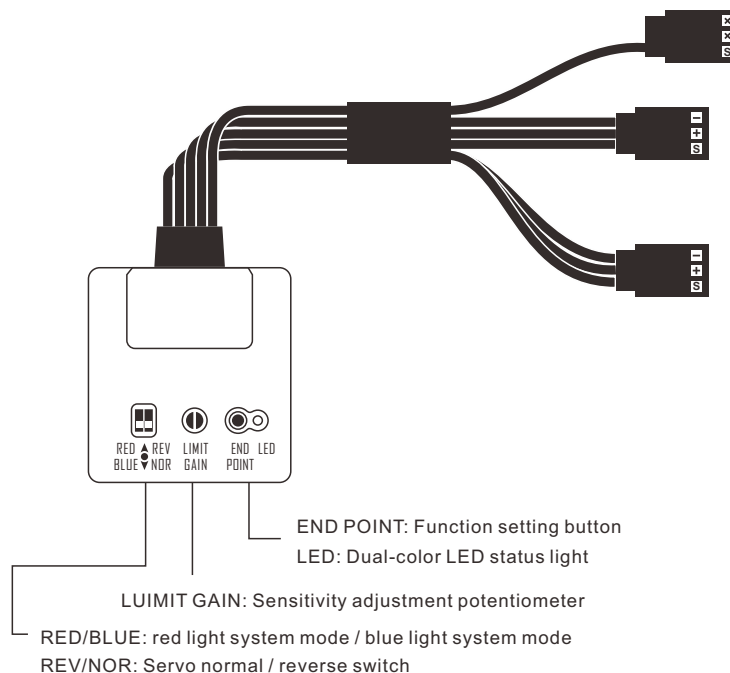
Gyroscope parameters

Size: 25.6X24.5X8.0mm

Weight: 12.0g

Voltage: 4.8-7.4V

Current: 20mA/6V

Support servo pulse width: 1520us(50Hz&333Hz)

Temperature range: -10℃+45℃

Control system: PID control system

Gyro sensor: Invensense, USA

Angle speed: Max ±4000/s

LED status display

The red LED blinking rapidly	Self-check
Red and blue LED slowly blink	Set the steering angle
The red LED is lit	The red light mode (see description below)
The blue LED is lit	The blue light mode (see description below)

Gyroscope Instructions

◆ REV/NOR switch: adjust the correct working direction according to your servo

◆ RED/BLUE mode: switch between the two different blue/red light modes, select different systems according to the characteristics of different tracks and servo speeds (the blue LED mode is often used to suppress the vibration of the servo at high sensitivity)

◆ LIMIT GAIN potentiometer: 0-100% sensitivity setting knob from left to right

◆ END POINT button: set the maximum steering angle of the servo / restore initialization, and ensure that the maximum steering is set for the car. After EPA value, use the provided tool to hold down the END POINT button and then power on the gyro. When the red and blue LED lights flash slowly, release the END POINT button. Enter the maximum steering angle that is mechanically possible by steer to either side and press the END POINT button. Steer to the maximum mechanically possible on the opposite side to enter the steering angle and press the END POINT button again. Then release the steering and return to the center immediately. When the LED light turns on, the gyroscope steering angle is set successful.

◆ To restore the factory settings, hold down the END POINT button and power on for 3 seconds. When the red LED flashes quickly and turns on, the steering angles EPA adjustment is deleted and the initialization is successful.

Note

1. The white edge of the wire harness is the signal S end of the connecting wire. Please make sure the connection is correct before using the gyroscope

2. The gyroscope should be installed on a flat place and away from power wires or motor so as not to be affected by vibration or magnetic fields

3. Check whether other electronic devices vibrate during power-on self-test, which makes the gyroscope self-test fail