Atomic Nano Drift GYRO V4 pro

Description:

This Atomic V4 GYRO unit is especially optimized for micro-RC drift purpose. It has stable performance while in ultra-light weight and mini size.

Features:

- compact design, suitable for mini and micro size RC drift car
- high quality gyroscope sensor with stable performance
- internal program optimized for RC drift
- support high voltage input: 3.7v-8.4v

Specification:

Dimensions: 14.5 x 10 x 6 mm (PCB board), 17 x 12 x 6 (with Aluminium Case)

Working voltage: 3.7 ~ 8.4V

Weight：0.8g (without cables)

Current Drain：20mA/6V

Operating temperature：-10℃+70℃

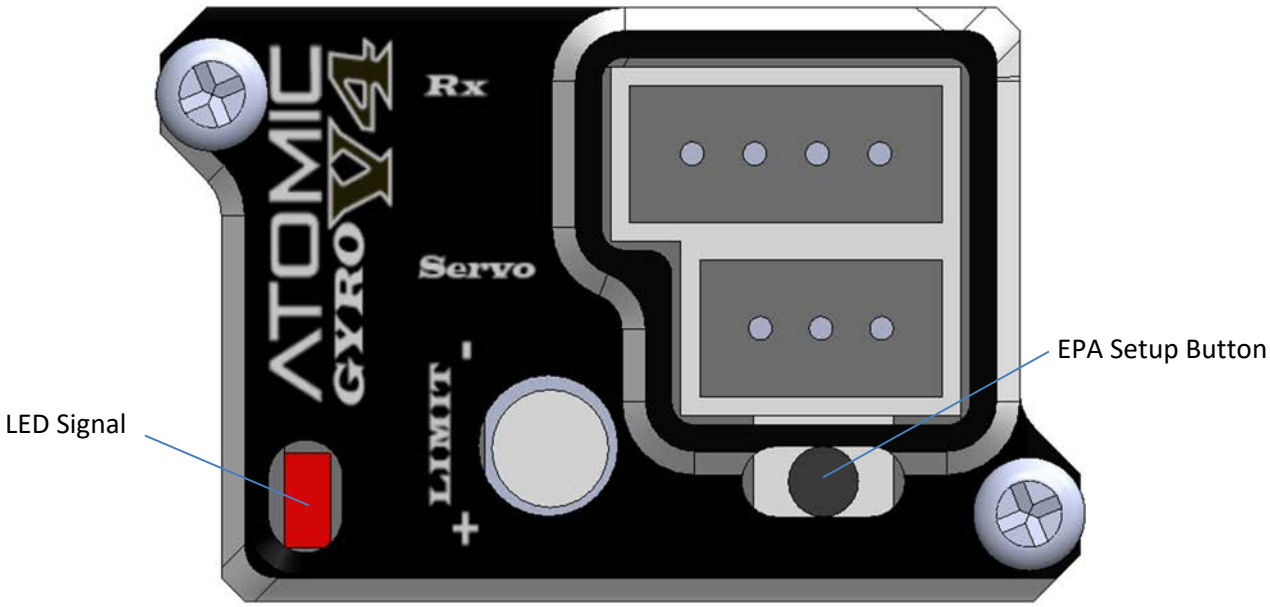
Output Signal：1520uS（50Hz/333Hz）

Control System：PID Control System

Input & Output Plug：JST1.5mm

Package Included:
1 x GYRO
1 x 1.5mm 4P TO 3Px2 JST plug with high quality silicon cable

Instructions:



SERVO >> Connect to steering servo

RX >>

- Plug with 3 wires: Connect steering channel (CH1) of Receiver
- Plug with 1 wire: Connect control channel (CH3) of receiver or leave not connected if your radio system does not have CH3 adjustment function.

When CONTROL channel is connected to receiver CH3, the gyro sensitivity is controlled by CH3 value which could be adjusted on the transmitter. When the CH3 value is 50%, the sensitivity is zero. Turn CH3 value to 0% or 100% both can reach 100% sensitivity. Turn CH3 value to 0% or turn CH3 value to 100% will have different sensitivity curve. The GYRO provides 2 different optimized sensitivity curves for drifting.

When CONTROL channel is NOT connected, the gyro sensitivity is controlled by the Limit VR. When the VR is on the middle position, the sensitivity is zero. Turn VR to left or right end both can reach 100% sensitivity. VR to left or VR to right will have different sensitivity curve. The GYRO provides 2 different optimized sensitivity curves for drifting.

GYRO EPA (End point Adjustment) SETUP (Normal Direction):

1. Press and hold the 'SETUP' button and power on the GYRO.
2. When LED start fast flashing, release the ‘SETUP’ button and the GYRO is now in EPA SETUP mode.
3. First turn the remote-control steering wheel to LEFT maximum steering angle (chassis left position) and stop there for several seconds, then the SERVO will automatically return to middle position. Now the left ‘EPA’ position is saved in GYRO.
4. Then turn the steering to RIGHT maximum position (chassis right position) and stop there for several seconds, then the SERVO will automatically return to middle position. Now the right ‘EPA’ position is saved in GYRO and EPA (Traveling) SETUP is done.

If the Gyro compensation steering is working in reverse, then we need to go thru the following steps:

GYRO EPA (End point Adjustment) SETUP (Reverse Direction):

5. Press and hold the 'SETUP' button and power on the GYRO.

6. When LED start fast flashing, release the ‘SETUP’ button and the GYRO is now in EPA SETUP mode.

7. First turn the remote-control steering wheel to RIGHT maximum steering angle (chassis left position) and stop there for several seconds, then the SERVO will automatically return to middle position. Now the left ‘EPA’ position is saved in GYRO.

8. Then turn the steering to LEFT maximum position (chassis right position) and stop there for several seconds, then the SERVO will automatically return to middle position. Now the right ‘EPA’ position is saved in GYRO and EPA (Traveling) SETUP is done.