MX-GY501 V2.0 Manual

Thank you for choosing MXO-RACING brand products, please read this document carefully before use!

MX-GY501 V2.0 is a miniature high-speed gyroscope for vehicles, and its maximum response time is as high as 5.0ms. Due to its extremely small size, it can be easily installed on any frame.

特性： Features:

- Volume: 18.6*12.0*7.0mm;
- Weight: 1.25g;
- Working voltage: 3.3~8.5V;
- 5.0ms high-speed response speed;
- Support CH3 to adjust gyro sensitivity and direction;
- Support VR to adjust gyro sensitivity and direction;
- Support online firmware upgrade (only versions above V2.0 support this function).
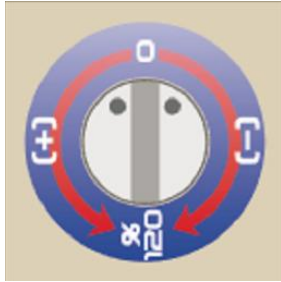
Interface：

Use CH3 to set the sensitivity and action direction of the built-in gyroscope:

MX-GY501 can set the sensitivity and action direction of the gyroscope by using the CH3 of the remote control. When MX-GY501 detects that there is a signal on the CH3 input port, the LED will blink. At this time, the greater the width of the CH3 signal, the higher the sensitivity of the gyroscope, and vice versa. At this time, VR is only used to set the gyro direction. When VR points to the "+" area, the gyro action direction is to the left (red LED is on), and when VR is to the "-" area, the gyro action direction is to the right (green LED is on).

Use VR to set the built-in gyroscope sensitivity and action direction:

MX-GY501 can set the gyro sensitivity and action direction by using VR. As shown in the figure on the left, when VR points to the "+" area, the direction of gyro action is to the left (red LED is on), and when VR is to "-" area, the direction of gyro action is to the right (green LED is on). The gyro sensitivity setting refers to the left figure instructions. The gyro is off when VR points to 0. When MX-GY501 detects that there is a signal on the CH3 input port, VR cannot set the gyro sensitivity, but can set the gyro direction.

Online Firmware upgrade:

This function requires GUI support on the PC side, and needs to connect CH3 port of MX-GY501 and GUI through MX USB PG-ISP.

Note: Only the version above MX-GY501 V2.0 supports this function.

GUI download link: update.crossover-rx.com/mxo.zip

Please contact us if you have any feedback or suggestions, thank you!
Email: mxo@mxo-rc.com & info@mxo-racing.com