



For Mini RC Car

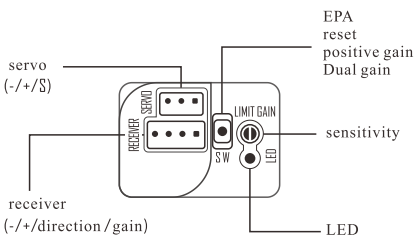
# M5 3-AXIS GYRO SYSTEM

Weight:14g Size: 21x15x8.8mm

Working voltage: 5-8.4V Consumption current: <50mA

LED Status		
LED	Functions	Tune type
Red quick blink	Initialization	/
Yellow quick blink	No transmitter signal	/
Red solid light	Normal gain mode on Z axis	Gain signal input
Red slow blink	Normal gain mode on Z axis	Potentiometer tune
Green solid light	Normal gain mode on X axis	Gain signal input
Green slow blink	Normal gain mode on X axis	Potentiometer tune
Blue solid light	Normal gain mode on Y axis	Gain signal input
Blue slow blink	Normal gain mode on Y axis	Potentiometer tune
Purple solid light	AVCS mode on Z axis	Gain signal input
Purple slow blink	AVCS mode on Z axis	Potentiometer tune
Chartreuse solid light	AVCS mode on X axis	Gain signal input
Chartreuse slow blink	AVCS mode on X axis	Potentiometer tune
Cyan solid light	AVCS mode on Y axis	Gain signal input
Cyan slow blink	AVCS mode on Y axis	Potentiometer tune
Orange slow blink 3 times	Back-and-forth setting for Gain	Double-click Switch Button
White slow blink	Travel setting mode	Press SW to power on

## 指示说明



## Sensitivity gain function

- Adjust the gain value by transmitter's sensitivity channel, range from -100% ~ 0 ~ +100%.
  - a. 0 is no gain at all.
  - b. -100%/+ 100% is the maximum sensitivity gain.
- When the gain wire is not used, use the gyroscope's own potentiometer to adjust the gain value.

## Instruction of Function Switch

### 1. EPA (Travel setting)

Press the "SW" switch to power on. White LED blinks slowly, entering to the servo travel setting. Rotate the transmitter's steering wheel to make servo stop at the desired position (turn left / turn right). Short press "SW" switch, then white LED blinks 2 times quickly; red & green LED becomes solid; and blue LED blinks slowly. It means current travel has been saved. Then rotate the transmitter's steering wheel to make the servo stop at the other desired position. Short press the switch, then white LED blinks 2 times quickly, and keep solid light after that. It means current travel has been saved as well. 2seconds later, the gyro will automatically enter into initialization mode. Once the initialization is completed, gyro is ready for use.

### 2. Reset ( Travel Restore Default Setting)

Press the "SW" switch to power on and enter into the travel setting mode. After pressing and holding the switch for 3 seconds, the red LED and chartreuse LED starts to blink alternately. 2 seconds later, restore to default setting. Then it will enter into initialization mode. Once the initialization is completed, the gyro is ready for use.

### 3.Back-and-forth setting for Gain

After double-click SW button 2 times under the normal working status, the orange LED will slowly blinks 3 times. Then switch-over the Back-and-forth direction of the gain.

### 4.AVCS mode

Press the SW switch for 2 seconds under the working status, and release the switch after the yellow LED blinks 2 times. Switch-over normal mode and AVCS mode.

### 5.X/Y/Z axis setting

Press and hold the SW switch for 5 seconds under normal working status, and the yellow LED blinks 3 times (Please do not release the SW switch when the yellow LED blinks 2 times at 2 seconds). Then release the SW switch and enter into the axis setting mode. Under this mode, press the SW switch and the red LED quickly blinks 2 times and keep solid light. It is the default Z axis. Repress the SW switch and switch-over to X axis. The green LED will quickly blinks 2 times and keep solid light. Repress the SW switch and switch-over to Y axis. The blue LED will keep solid light. If repress the SW switch, will switch-over to Z axis again (cycling as this way).

If you do not press the SW switch after entering into the axis setting mode, the gyro will exit the setting mode and be back to normal working mode after the white LED blinks 2 times. The setting sequence of the 3 axis: Z(default)-X-Y-Z...

Note: If you do not release the SW switch after entering the axis setting mode, the gyro will keep in the axis setting mode until you release the SW switch and the gyro will exit the setting mode and be back to normal working mode after the white LED blinks 2times.

## Input Signal Type

- If the input period of the analog servo signal is within 10-20MS, the output period of the gyroscope follows the input period.
- Suitable for FUTABA SBUS2 signal input and servo 3MS period output.
- Suitable for FUTABA SR signal input and SR output.
- Suitable for SANWA SSR \ SUR \ SHR signal input and SSR \ SUR \ SHR output.