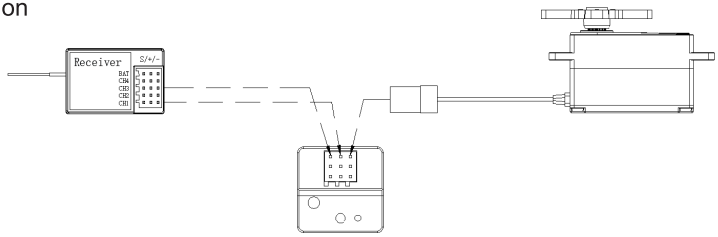
ONISUKI

HIGH STABILITY RC CAR GYROSCOPE

ONI2803

Connection



LED status display

LED	Status
Flashing Green	Gyro initialization
Slow green flash	Remote control signal loss
Green	Working mode/sensitivity channel adjustment sensitivity
Red	Working mode / gyro potentiometer adjustment sensitivity
Slow red flash	Sensitivity forward and reverse settings
Slow yellow flash	Stroke setting mode

Gyroscope parameters

Weight : 7g
Size : 22*22*12.6mm
Working Voltage : 4.8~8.4V
Current Consumption : 20mA/6V
Working Temperature : -10 °C + 50 °C
Support Input Signal : PWM(50-333Hz) / FUTABA S.BUS
Output Servo Signal : 1520uS (333Hz)
Control System : PID Control System

Switch function settings:

SW setting switch (servo stroke setting, forward and reverse setting):

1) Stroke setting: press the SW switch to power on, the traffic light flashes slowly at the same time, enter the servo stroke setting, rotate remote control rudder, turn the steering gear to the desired position (left/right), short press SW switch, traffic light flashes 2 times, the red light becomes steady light, the green light flashes slowly, indicating that the trip has been save, then rotate the remote control rudder to turn the steering gear to the desired position in the other direction, short press one under the switch, the traffic light flashes 2 times, then the traffic light lights up, indicating that the trip has been saved.
   After 2S, the gyroscope automatically enters initialization, and it can work normally after initialization.

2) Trip recovery default setting: press SW switch to power on the stroke setting mode, long press the switch 3S, the traffic lights begin to flash alternately and return to the default settings after 2S. Then enter initialization, initialization is complete after working, it can work normally.

Signal input mode:

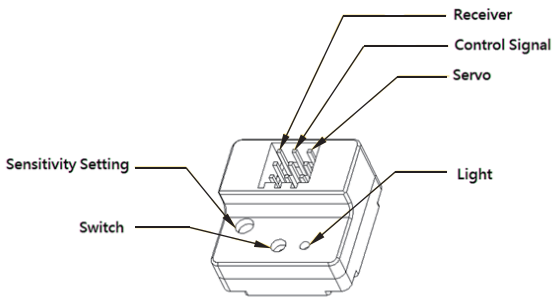
1. PWM (50-333Hz) is suitable for most remote control systems. When the sensitivity line is not inserted, use the gyroscope itself.
   The positioner is used for sensitivity mode control.

2. FUTABA S.BUS is suitable for FUTABA S.BUS remote control system, when using S.BUS signal input, default the CH3 channel is used for sensitivity mode control, and the gyroscope sensitivity line is not used.

Sensitivity mode function:

1. Use the remote sensitivity channel for sensitivity adjustment (default for SBUS input), ranging from -100% to 0~ +100%. When working with the sensitivity channel, the green light is always on.
   a. 0 is no sensitivity. b. -100% / +100% is the most sensitive.

2. When the sensitivity line input is not used, use the gyroscope potentiometer to make the sensitivity adjustment.



RoHS