

GY-191 Lock Head Gyro Specification :

- ⊙ Input Voltage : DC 4.2 – 7.2 V ◦
- ⊙ Current Consumption : 33 mA ◦
- ⊙ Operation Temperature : -5°C to 60°C ◦
- ⊙ Dimension : 23.5 x 21 x 15 mm ◦
- ⊙ Weight : 12 g

Gyro Function :

- ⊙ Dual-rate Adjust Mode – Helicopter Head Lock and Standard Mode ◦
- ⊙ Internal temperature and shift compensation function ◦
- ⊙ Dual-rate remote of switch control function ◦
- ⊙ 6 CH setting of the minimum and maximum of GAIN value or 4 CH setting by VR ◦

Installation :

- (1) Mount Gyro on the helicopter , To avoid fixing air output and heater position ◦
- (2) 4CH mode connector :
Step A : Rudder servo connects to Gyro ◦
Step B : Insert GY-191 connector to receiver (FUTABA is CH4 , JR is RUDD) ◦
Step C : GY191 GAIN single connector (red) requires to connect to the negative side of the battery power ◦
- (3) 6CH mode connector :
Step A : Rudder servo connects to Gyro ◦
Step B : Insert GY191 connector to receiver (FUTABA is CH4 , JR is RUDD) ◦
Step C : Insert GY191 ,GAIN connector (red) to the receiver , FUTABA is 5CH, JR is AUX2 or AUX3 ,
Connect to receiver sensitivity switching channel ◦

Connector Form : GAIN connector required the remote of dual rate adjustment

| Transmitter | GY191 connector to receiver | GAIN connector to receiver |
|---------------------|-----------------------------|----------------------------|
| JR , ZPCM | “RUDD” | “AUX2” + ** |
| FUTABA , JR PPM/PCM | “CH4”(RUDD) | “CH 5” |
| JR PPM / SPCM | “ RUDD “ | “AUX2”or”AUX3 “ + ** |

Set-up and installation of Gyro

- (1) Turn on the power of remote ◦
- (2) Turn on the power of helicopter receiver , Before Gyro LED light turns red to blue , do not move Gyro and helicopter (about 5 seconds) , This will influence the set-up ◦
- (3) When remote function shows the following , the power must sets **OFF**
 - ⊙ **ATS**
 - ⊙ **Throttle to rudder mixing**
 - ⊙ **Pilot authority mixing**
 - ⊙ **Rudder to gyro mixing**
 - ⊙ **Revolution mixing**
 - ⊙ **Pitch to rudder mixing**
- (4) Dual-rate adjustment
4CH mode : Adjust gyro mount to the proper position ◦
6CH mode : enter to remote function , adjust gyro mount to the proper position ◦

Adjustment before operation

- (1) Ensure the switch dual-rate gyro is on the standard mode or lock mode , This can be checked on the Rudder servo
- (2) In lock mode , direction servo acts to single side to the maximum (excluding 4CH mode) ◦
- (3) When selecting lock mode to fly helicopter , it has to keep the rotor blade stop ◦ If tail moves to another side , you can use transmitter adjustment to adjust tail move back to neutral
- (4) In standard mode , if you find the tail is not functioning well , don't adjust transmitter , But only adjust tail and back to neutral ◦
- (5) If the tail shakes when dual-rate adjust to the lowest position , you may move Rudder servo to proper position (suggest to adjust to the forth) ◦

Precaution :

When Gyro(GY191) red led still light after a period of time ◦ Please Check the remote or power ◦ If checked directly but the red led still light , you need to contact with your seller , Thank you ◦

Note : R4 receiver doesn't fit for this type