

G2J1 NANO GYRO Instruction Manual

Specifications

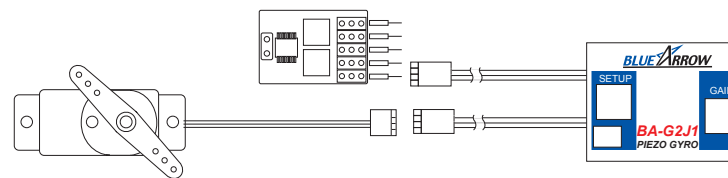
Dimension: 23mmX16mmX5mm (0.9inX0.63inX0.20in)
Weight: 2.3g (0.08oz) with all the signal wires and JST connector
2.8g (0.10oz) with all the signal wires and JR connector
Power Supply: 4.5V ~ 6.0V
Current Draw: 10mA (4.5V)
Indicator: Green/Red to show that status of gyro setting
Function: Bicolor LED, setup adjustment and single rate gain adjustment.
Sensor: piezo vibrating sensor
Max Angular Rate (deg/sec) : +/- 300
Response Rate:50Hz
Linearity %FS: +/-5%
Operating Temperature: -5°C ~ 75°C

Instruction

Thank you for choosing the BLUEARROW G2J1 gyro, The amazing light weight piezo gyro is only 23mmX16mmX5mm in size. The total weight including the wire is only 2.3g (0.08oz), and you can install and use it in all classes of small and light RC helicopters/aircrafts. There are LED indicator and **setup/ gain** manual adjustment on the board of BA-G2J1 gyro. The LED indicator of the gyro will show the setting status of it, and provides two colors, green and red. For its simplicity in weight and size, it is designed to be pre-wired with connectors. Before using the gyro, please read the manual carefully.

Usage Steps

1. Make sure the power is off before installation.
2. Plug the male connector of G2J1 into gyro channel connector of your receiver.
3. Plug the the other connector of G2J1 into your servo.(ex: helicopter tail servo)
4. Use double-sided tape to attach it on proper position, that should be 90 degree perpendicular to the fuselage.
5. Power on, and begin your adjustment of the gyro setup and gain. Read the following section(**Adjustment and Setup**).



GYRO

Adjustment and Setup

1. Connect the signal wire of the G2J1 gyro to the receiver first, and then turn on the power. You can see bicolor LED will light either in red or green (or both would light).
2. If there is only one color light, please turn the setup trimmer with a small screwdriver in either direction until both colors light, it means that the neutral position is offset.
3. The adjustment of the gain setting can depends on different requirement, increase the gain value (sensitivity) by rotating the trimmer clockwise and decrease gain by rotating the trimmer counter-clockwise.
4. Rock the helicopter or the plane with the installation of the BA-G2J1 gyro in counter clockwise direction; it indicates that the BA-G2J1 gyro can work properly if the bicolor LED blink.

Applied plane types

1. Varies of aircraft and helicopter that need to control and level off the flight.
2. If you want to change the control direction of the aircrafts, what you only should do is to change the installation direction of the BA-G2J1 gyro; it would not affect the function of the gyro.

