

RC Aircraft / Heli / 4-rotor Gyro

... at the right price

• BL-3GRC : Ultra stable 3 axis Gyro



Features

- Small size, weight and power
- Ultra stable over temperature and time
- Operational temperature: -30 C to +85 C
- ST L3G4200D MEMs rate sensor
- ARM7 processor for control and I/O
- X 7 inputs
 - Pitch, Roll and Yaw
 - 4 for programmable functions (Including power in)
- X 6 outputs
 - To drive servos
 - To drive power / motor controller
- PC tool for custom set-up
 - Input / output configuration
 - Mixing functions
 - Input curves (user defined or standard)
 - Real time curve test tool
 - RC transmitter matching tool
 - Trim and range adjustments
 - Filter parameter options
 - Gyro lock options
 - System check tools
 - Gyro data monitoring (Oscilloscope)
 - Detailed gyro set up options
 - Special real time functions (see below)
- Special real time functions
 - Gyro on /off
 - Spin recovery (crash avoidance) mode
 - Gyro two gain adjust
 - Gyro exact gain adjust
 - Controlled rotation on any axis
 - Emergency cut off
 - Heading lock on any axis
 - Switch power curve between 2 curves
 - Switch pitch curve between 2 curves
 - Power input / output options
- Aircraft / Heli and quad-rotor modes
- Input voltage (20v to 5v, or down to 3.3v)
- LED display to show gyro operational
- Factory calibrated
- RoHS, "green" compliant

○ Ultra stable for aircraft stabilization and bad weather flying

○ Applications

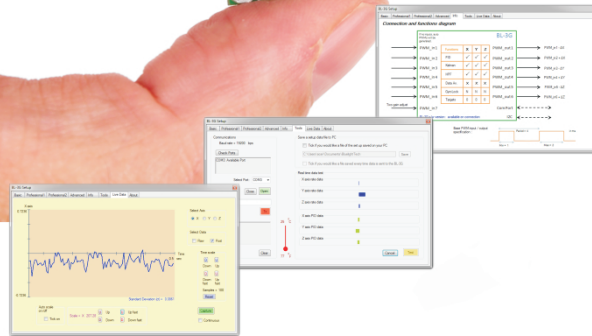
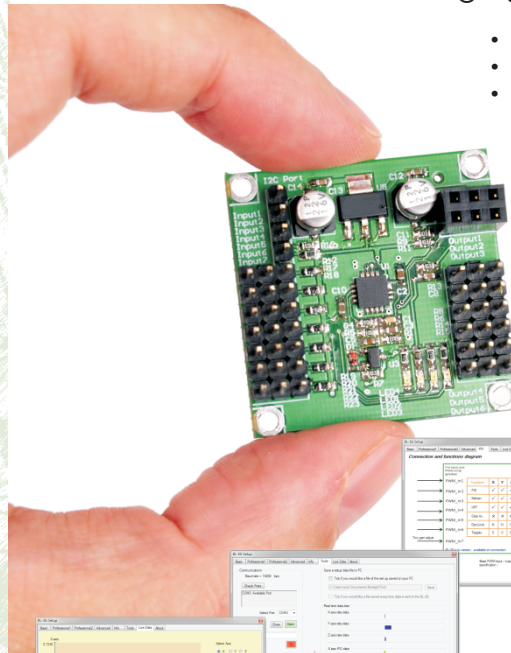
- Aircraft / Helicopter / UAV Stabilization
- Hobby flying applications
- Gaming / Virtual Reality Systems
- Robotics control
- GPS Navigation systems
- Vibration sensing
- Industrial control PLC systems

○ Size, Power and Weight

- 35 x 35 mm PCB
- 50mA when in operation
- Weight is 8.5g

○ PC tool

- Easy to use s/w for user programming
- Graphical real-time data monitoring



BL-3GRC

This ultra stable BL-3G MEMS based gyro is designed to work right out the box, or can be configured to exact user requirements. Special features allows it to be used for Heli and complex aircraft with a low cost RC transmitter. The spin recovery (or crash avoidance) makes it ideal for beginners also.

The BL-3G is highly programmable, with easy to use software to cover just about all foreseeable gyro application requirements. It is the ideal low cost gyro for the beginner and advanced flyer of Aircraft, Heli and 4-rotor systems. Can also be used in more advanced applications as a digital plug in module.

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