

PRESS RELEASE

April 2013



Bluelight Technologies, a specialist high technology company in the field of RC / Hobby Aircraft Products announces the availability of its V3.0 s/w and f/w for its BL-3GRC and BL-3GMod Flight Stability Gyro / Controllers.

The new features supported on top of its existing impressive feature list are:

- Increased internal processing speed, to now support up to 500Hz Electronic Speed controllers. This for multi-copter stabilization.
- Support for Tri and Bi copters (as well as quad and hex)
- Gyro function invert with POTs option (no need for PC connection)
- Multi servo aircraft can have reduced range on the secondary servo outputs on all 3 axes
- Differential Aileron is now supported (to reduce induced yaw during turns due to down aileron drag). This also implemented for delta wing aircraft
- Pass through mode. Each input (6 in all) can pass through directly to the outputs with only the addition of the gyro action to each output. 2 pitch, and/ or 2 roll and / or 2 yaw can be set to pass through. In this mode the gyro is no longer in rate mode, but rather in un-commanded mode. Gyro action can be inverted as required
- PC tool read back all parameter from gyro function
- Some bug fixes, changes to default aircraft and PC tool, and internal filter improvements.
- Updated user manual (now called Advanced User Manual)

The ranges of the secondary outputs for Pitch, Roll and Yaw can be modified here

Pitch (output 2)

100 % % of normal signal outputs (set on Adv1 tab - signal outputs)

Roll (output 4)

100 %

Aileron Differential Enable Invert Operation

Yaw (output 6)

100 % % of normal signal outputs (set on Adv1 tab - signal outputs)

Notes

Note1: Power cycle the BL-3GRC Gyro after changing (and sending) these settings

Note2: Take care when setting values greater than 100%. Output signal WILL swing below and above normal min/max values

Note3: For Aileron Differential mode set a % less than 100 to reduce downward going aileron during turns

Reset this page to defaults > Defaults

2nd control surface output range set-up and aileron differential mode set-up

Adding these functions now gives 13 tab pages of user configurable options and tools. Truly an unprecedented ability for an RC Gyro / Controller - **and at such a low price!**