



NEW iGYRO GENERATION 3.0 SOFTWARE

We are proud to present our new **iGyro** evolution. It's the **3rd generation** of the **iGyro** software and it lifts our gyro performance to another level!

The easy setup for the **iGyro** is even easier now, as the Characteristic settings could be removed and the gain dialing creates less aggressive oscillations.

Major changes to the previous iGyro software are:

- + Way better Performance of the iGyro
- + Smart Assist added, a mix between Normal Mode and Attitude Assist Mode
- + Easier gain adjustment, less aggressive oscillation when the gain is set too high
- + Separate Axis Gain can be dialed up to 200%
- + Characteristics setting is obsolete

Attitude/Smart Assist:

ON/OFF:

We selected the term Attitude Assist because the iGyro's "heading" mode differs significantly from the Hold modes of other manufacturers. Attitude Assist can be activated safely on Aileron and Elevator throughout the entire flight, as it is only active while little or no stick input movement is detected. As soon as the stick is moved, Attitude Assist is disabled, and the model's control 'feel' remains the same as if Attitude Assist was inactive.

Inverted flights are possible without controlling the elevator and for knife-edge flying, the Ailerons and Elevators are held by the iGyro while only the rudder has to be controlled.

SMART ASSIST:

The new Smart Assist is an evolution of our existing Attitude Assist mode. It can be identified as a mix of Attitude Assist and Normal Mode. Smart Assist can be left active throughout the flight on both Aileron and Elevator surfaces.

Both types of "heading" have been incorporated into the iGyro SAT software, allowing users to choose between our existing and extremely popular Attitude Assist present in all prior iGyro systems, or the possibility to increase the gyro gain even further with the new Smart Assist algorithm.

Inverted flights are – depending of the plane – possible without controlling the elevator. Same for knife-edge flying: Ailerons and Elevators are held by the iGyro to maintain heading, while only the rudder must be controlled.

Stick priority:

This setting determines how quickly the gyro reduces its gain when more stick input is detected. The default value for this setting is 100%. In its default setting, the gyro reduces the gain completely propor-

Basically: the default settings of the **iGyro** are ideal for the vast majority of setups. Our team has tested the **Gen.3** software in many different planes, so we adjusted the basic settings to match them all.

Nevertheless, we have incorporated a range of Expert functions to cover all possible applications and allow pilots to fine tune their model to their personal preference.

tional to our stick input, resulting in the gyro being fully deactivated upon reaching full stick deflection.

A higher value Stick Priority will have the gyro reduce more quickly with any given stick input. At its maximum 200% the gyro will be fully deactivated by the time the stick reaches its half-way point. This makes the model more agile, but you lose gyro effect more quickly with increasing stick movement.

Lowering this value has the opposite effect, with the gyro remaining in control for longer, but the model becoming less agile.



Lock-in feel:

This setting allows the fine tuning of the gyro's characteristic following a control input. The default value for this setting is 20%.

The effects of this setting are most noticeable on Ailerons following the sudden stops in a four-point roll and other similar quick stop maneuvers.

A higher value provides a crisper response to lock the model in its current position following a control input. If set too high, you will notice the model "overshoot" or "bounce back" at the moment you release the stick.

Airspeed factor:

This value defines how quickly gain is reduced based on the model's real-time speed. The values can be between 1 and 5, with Airspeed Factor 3 being the default valid for most models. This setting only has a function if a **GPS III** or a **PBS-TAV** is also being used.

Increase the airspeed factor if the model displays good gyro performance at low and medium speed, but tends to oscillate at high speed.

Important: An airspeed factor of 5 reduced the Gyro response to zero at top speed!

The new **iGyro Software Generation 3** will soon be available for all products working with the **iGyroSat** and the **iGyro3xtra**.

You can find out which product updates are available in our Support Forum under **UPDATES**.

The Software can be updated for existing products with the Mobile Terminal or the PC-Terminal.