



## The ICG360 Gyro System from CSM

# World Wide Product Information



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To bring you a great gyro CSM simply threw away the rule book and started with a clean sheet. The result, the ICG360, is packed with new concepts in gyro technology.

### Introducing "Flight Modes"

The ICG360 Gyro System provides far more than simple gain control from your transmitter. This system supports two independently adjustable "Flight Modes". Each of these modes has no less than six parameters that (using the optional cable and software) can be adjusted from your PC to allow fine tuning of the system performance to suit the model, the tail servo in use, and pilot's preferences. The two flight modes can be selected from the transmitter, and the gain of each mode is adjustable from the transmitter. For those with simple RC systems the unit will operate without a gain channel as a single rate/mode unit. (Factory default settings are one conventional mode and one "Heading Lock" mode)

### Heading Lock

This feature is unique to the ICG360 Gyro System. It gives unmatched stability in backwards and cross wind flight. Multiple backwards loops with no rudder input from the pilot can be achieved using this feature. This is also a major aid to the raw beginner who can virtually forget the tail in those early hovering flights! Also a great help to the beginner is the ability to set an accurate tail trim before take off.

### Yaw Rate Demand

With its Yaw Rate Demand philosophy the ICG360 gyro eliminates the traditional compromise between gain and pirouette speed. Enjoy over 4 revolutions per second yaw rate even with full gain. Simply use rudder rates to tailor the full stick yaw rate to your needs.

### Temperature Drift Compensation

The CSM gyro features full temperature compensation. Each gyro is individually calibrated from -10°C to +55°C (+14°F to +131°F) matching it

to the temperature characteristics of its Solid State sensor.

### Regulated Power supply

The power supply is regulated to provide consistent performance with input voltages from 7.2v all the way down to 3.5v!

### Built-in Exponential

To simplify the setting up of the CSM gyro system even on a basic RC system it has its own built-in exponential facility.

### Compatibility

The CSM Gyro automatically detects and optimizes for the following systems:-

*JR (SPCM, ZPCM, and PPM)*

*FUTABA (PCM1024 and PPM)*

Price in the UK is £129.95 for the basic gyro, about £15 for the software and PC interface lead.

### Editor's Note

Many flyers attending the early year meetings in the UK have seen this Gyro being flown by Bob Johnston, Europe's Top 3D flyer. To demonstrate the 'heading lock' feature, Bob flies backward loops using only cyclic control. To prove this he has his left hand behind his back!

W3MH expects to get one of these gyros for trial in the next week or two, but based on what we have seen so far it's clearly going to blow everything else out of the water.

Those of you that have flown the CSM Simulator (previously the NHP/CSM simulator) will readily appreciate that the CSM gyro is designed by the same man, Colin Mill - sufficient recommendation in itself...

The CSM Website in the W3MH Shopping Mall will be updated with more details in the next few days. (<http://www.lance.co.uk/w3mh/csm.htm>)

*tony wright*