

NAVIRNET - SPAIN



GyroSim

INTRODUCTION

2014



AUTOGYRO FLIGHT SIMULATOR – MAGNI M16 Model

<http://www.navirnet.net>

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INTRODUCTION

Navirnet was founded in 2002 and we are dedicated to aviation industry since 2006. For more that ten years now, Navirnet has consolidated its presence in the global market.

Main capabilities:

- Start Pack (GPU's manufacturer, USA) authorized dealers in Spain, Portugal and Andorra.
- Aircraft Spruce (USA) official dealers.
- Frecuencia 122.1 (Mexico) official dealers. Flight simulators manufacturers (commercial aviation and fixed wuing).
- Aircrafts sales and leases.
- Engines and Ground Power Equipment.

One of Navirnet gratests assets is our customer portfolio. To mention a few: Colombian and Spanish Air Forces, or companies such as Senasa and Inaer.

In 2011, the prestigious aviation magazine *Avion Revue* published an article entitled: **NAVIRNET**, *Aviación y simulación por los cuatro costados*. (issue 350, August 2011) where the article is highlighted.

Navirnet is very proud to present the first autogyro Magni M16 flight simulator. After a lot of time and dedication, we have developed a unique simulator. The only one in the world, and exclusively produced and commercialized by Navirnet. With this booklet, Navirnet would like to introduce this new autogyro flight simulator.

We appreciate your time and attention, and please, do not hesitate to contact us if you require any further information.



NAVIRNET AIR SERVICES

Simulator details and description.-

Autogyro Magni M16 Flight simulator



Magni Gyro

Flight Simulator based on the
MAGNI M-16 gyrocopter

GyroSim - Flight Simulator

GyroSim M16 – Flight Simulator

GyroSim flight simulator has been designed to reach the professional standards with respect to performance, usability and ease of navigation.

In addition to pilots training, this flight simulator is an interesting option for public entertaining. They will really enjoy the feeling of piloting an autogyro.

GyroSim offers you a new flight experience that reproduces in a precise way the Magni M16. Our autogyro simulator follows rigorously the manufacturer protocols and flight manual.

KEY ISSUES IN THE DEVELOPMENT OF GyroSim M16

- The software perfectly mimics the Magni M16 autogyro and has been specifically design for this gyrocopter model. It has been developed by USA programmers by express request of Navirnet.
- The hardware has been perfectly adjusted with the software, allowing an easy navigation and the feeling of real piloting. Components from Magni's factory (Milan, Italy) have been used to build the hardware.
 - By electromechanical responses, the components have been adapted to primary and secondary flight controls.

GyroSim M16 CHARACTERISTICS

- To obtain the best training during the piloting experience, GyroSim M16 is programmed to simulate flight errors of each component. This characteristic increases the efficiency of the training, allowing the pilots to practice flight manoeuvres in critical situations.
- GyroSim is accompanied by a database and international airports settings.
- GyroSim includes a visual system for pilots' schools and advanced options could be included on request.
- The cabin is original from the Magni autogyros. It has been built with aircraft stainless steel and pilot seat.
 - Pilots' safety and training are the primary goals. The lack of an appropriate or insufficient training contribute to fatal light aircraft accidents.

GyroSim M16

DESIGN FOR PILOT SCHOOLS, AND ENTHUSIASTIC BEGINNERS



Characteristics:

- Fixed base
- Specifically developed software for GyroSim M16
- Real cabin manufactured by Magni Gyro
- The Aeronautics Technology Centre (Centro de Tecnologías Aeronáuticas, CTA) has collaborated with us in the development and implementation of this simulator
- Marcos Chuliá, Magni's distributor in Spain has tested the GyroSim and contributed to the improvement of our flight simulator
- We are very grateful to Mr. Chuliá for his collaboration

Flight simulators experts

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GyroSim M16

Pilot schools have been a major focus during the development of GyroSim. This autogyro flight simulator provides great advantages in comparison to real autogyros: a cost-effective training, Independence of weather conditions and decrease in the use of real aircrafts for training purposes.

GyroSim M16 allows the pilots to be trained in emergency scenarios, as well as the practice of navigation techniques. All of that, increase the future safety in real flights.

GyroSim M16 – Flight Simulator

GyroSim M16 offers to the clients to include more options and upgrade the flight simulator:

Upgrades:

- Other visual systems
- Motion platform
- Tandem arrangement of the pilot seats for two pilots
- Facing wind simulation

While the users practice in the simulator, the software allows the pilot to share this experience worldwide with other users or attend instructor classes.

Flight simulator specialists

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- **GyroSym simulation centres**



A turnkey proposal

Navirnet propose simulation centres to fly in group or individually anywhere in the World.

GyroSim M16





Mobile simulation centre

Vehicles: van, trailer, truck, bus...



Magni Gyro

Magni company has a broad experience in the light aircrafts field, being a reference for autogyros manufacturers in terms of performance, quality and efficiency.

This aircrafts can take off and land in significantly small areas, autogyros are very smooth and stable in flight combined with safety.

Although the gyroplanes are mainly use for recreational flying, there are many other fields that are currently including autogyros as the aircraft of choice: forest fire prevention, borders surveillance, agricultural crop spraying or traffic surveillance.

The autogyro reliable mechanics, capacity of flight, ease of pilot and low cost make these aircrafts an interesting choice for public bodies, police or armies.



MAGNI GYRO ESPAÑA, S.L.

The only one in the world

GyroSim

Autogyro Flight Simulator

Magni M16

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4.- CURSO DE ADIESTRAMIENTO EN EL MANEJO

Con el fin de sacar el mayor rendimiento del equipo de simulación, desde Navirnet / Cockpitsonic, ofrecemos un cursillo intensivo para entrenamiento en simulador de vuelo. El cursillo puede realizarse en la central de Frankfurt o bien, según disponibilidad, mediante el desplazamiento del instructor en el propio equipo adquirido. La duración es de un día.

Este cursillo va dirigido a la persona que desempeñará el puesto de instructor en cabina, es decir, será el piloto virtual, encargado de enseñar cuando se programen cursos y de apoyar e iniciar en los vuelos a los clientes que lo deseen.

★ Perfil del candidato:

- Persona con conocimientos de vuelo, preferentemente, piloto privado.
- Conocimientos de informática.
- Se valorará alguna experiencia en software de simulación como usuario.
- También será tenido en cuenta el candidato que tenga alguna experiencia como profesor.

5.- STAND PARA EXPLOTACION COMERCIAL

Pensamos en una superficie entre 40 y 50 m², donde irá situado el simulador, un espacio para recepción, un pequeño aula para cuatro o seis personas como máximo y donde pueden impartirse cursos especiales, tanto para profesionales como para aficionados. El resto de superficie libre podría dedicarse a un área de estar, donde los clientes puedan tomar un café o adquirir algún elemento de merchandising o publicaciones aeronáuticas.



➤ INSTRUCTOR

● La figura de Instructor Virtual es fundamental para el correcto funcionamiento del simulador y será el que cuide y establezca las condiciones de uso. A este respecto, en otros simuladores de este tipo si algún cliente diera mal uso al material, éste, correría el riesgo de ser expulsado y que no se le devuelva el dinero pagado.

8.- Asistencia técnica

- El equipo tiene una garantía de dos años contra defectos de fabricación. No está contemplado el mal uso, manipulación y todo hecho ajeno al fabricante.
- Como opción, es posible contratar asistencia técnica en la que se incluyen dos visitas al año para calibrar y revisar componentes, así como actualizar el software si fuese necesario.
- Navirnet está en situación de ofrecer asistencia técnica cuando sea requerida.