



MAESTRALE

ADVANCED FLIGHT SIMULATORS



HyperDome 109SP

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AW109SP FNPTII – MCC, LPV/PBN flight simulator is a cost-efficient and intelligent solution for training navigation procedures, instrument operation, procedural training, and multi-crew cooperation. EquipAW109SP FNPTII – MCC, LPV/PBN flight simulator is a cost-efficient and intelligent solution for training navigation procedures, instrument operation, procedural training, and multi-crew cooperation.

The **AW109-SP** stands out among the 109 class with one of the most complex navigation systems, presenting a significant challenge for learning navigation procedures. Equipped with four custom Genesys (Cobham/Chelton) IDU450 PFD/MFD units, this aircraft poses a formidable challenge even for the most experienced pilots. However, it also provides safety and commodities for those who are proficient in its operation.



Despite its notable advantages, the 109SP incurs considerable maintenance costs, highlighting the need for a dedicated simulator for this aircraft. Such a simulator would offer a cost-effective solution for training and familiarization, ensuring pilots can confidently navigate and operate the 109SP in various scenarios.

An increasing market demand for skilled pilots in multi-crew roles makes it extremely valuable to train in a smarter, cost-effective, and efficient way. With the **AW109SP FNPT II MCC**, you can enhance your training capabilities, ensuring a seamless transition for aspiring pilots from the classroom to the cockpit. This technology not only prepares students for real-world scenarios but also allows your Approved Training Organization (ATO) to expand its course offerings, including Multi-Crew Cooperation (MCC) training, in the safest and most cost-effective way possible.

According to EASA regulations, you can and should utilize an FNPTII flight simulator for a maximum number of hours per course of:

- **ATPL(H)/IR** Integrated: **55 hours**
- **ATPL(H)/VFR** Integrated: **35 hours**
- **CPL(H)** Integrated: **25 hours**
- **IR(H)** Modular:

*Multi-Engine Training: **25 hours**

An AW109SP FNPT II simulator can not only increase safety in training but also save on training and maintenance costs. Purchasing an FNPTII simulator is an investment that can undoubtedly improve your training capabilities.



Key Features

- AW109SP cockpit and commands replica **Real-Feel Touch**, including:
 - *4xGenesys (Cobham/Chelton)IDU450PFD/MFD
 - *2x EDU
 - *Breaker & overhead panel
 - *4 Axis autopilot with upper modes and FMS
 - *Anti torque custom pedals.
- Full Pitch & Roll Motion platform .
- Accurate AW109SP flight model based on measured data from the real aircraft used in replicating aerodynamics modelling (ground effect, airframe and rotor icing effects, etc.).
- Airport modelling.
- Upgradeable to FNPT III, FTD 2, or FTD 3.
- Full-size cockpit enclosure.
- Curved 4K 3 channel Visual system: minimum Field of View of 150°x40° .
- Upgradable to Mixed Reality.
- High-fidelity sound system for realistic helicopter and instrument sounds.
- Monitor and control of system variables, allowing the insertion of abnormal and emergency conditions.
- Automated & easy to use eQTG Maestrale Software.
- IOS and software that allows monitor and control of flight system variables and insert abnormal and emergency conditions into the helicopter.
- Manuals and documentation.
- Worldwide visual scenery with easy updatable local navigation data



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 +39 0364 1955 422
 maestrale.aero
 info@maestrale.aero
 Via Nazionale 35F,
25040 Ceto(BS), Italy

