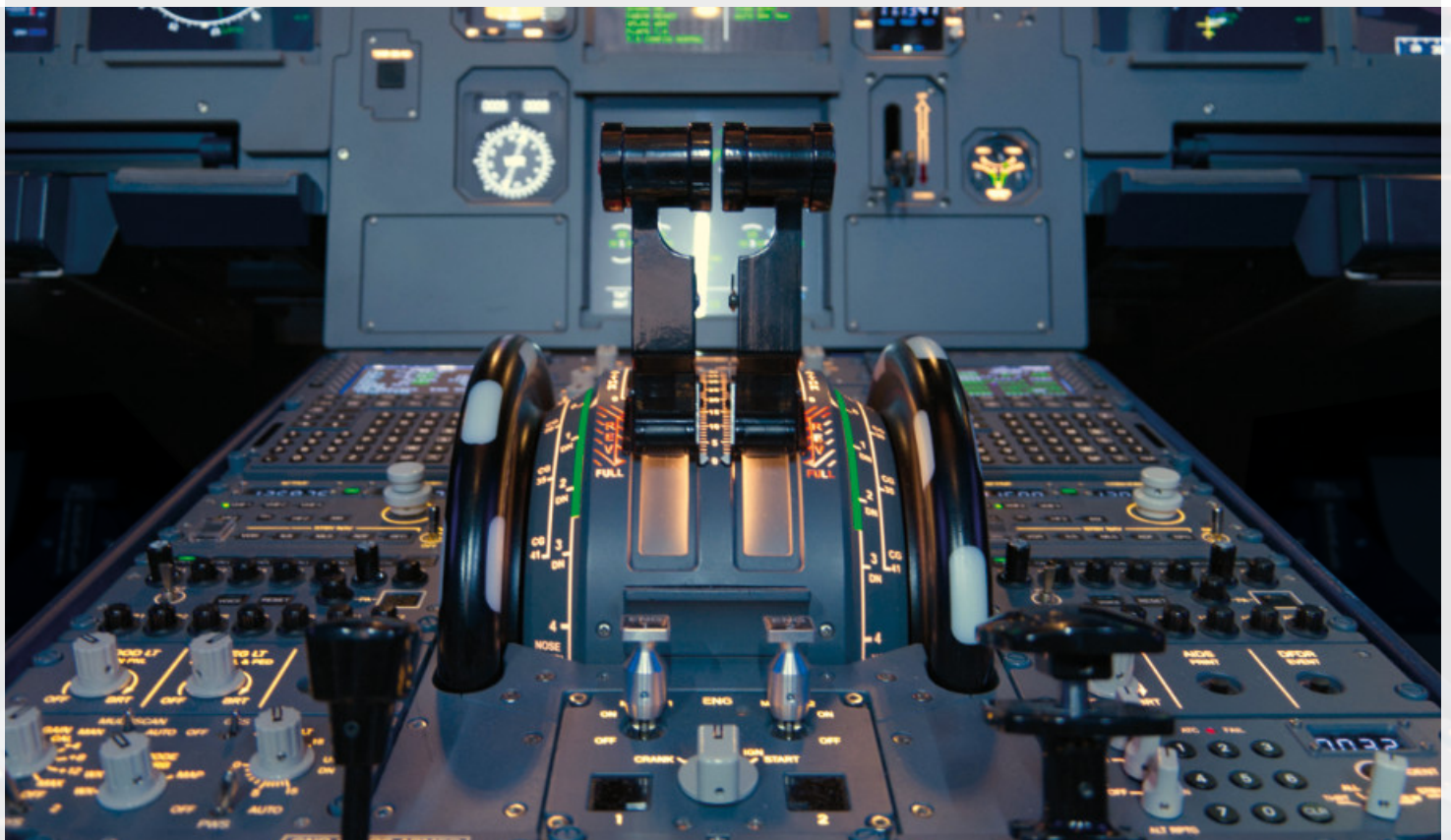




Simnest A320 AATD

ADVANCED AVIATION TRAINING DEVICE



About the product

The Simnest A320 AATD (Advanced Aviation Training Device) is a **vivid resemblance of the Airbus A320 aircraft both in its design and behavior**. It includes all the necessary hardware and software characteristics that our clients need to provide a qualitative systems and procedures training or to ease off the transition to Airbus A320 for non-type rated pilots.

Despite the abbreviation AATD in its name, **core instruments are the same as in the Simnest's flagship product A320 FNPT II APS MCC simulator**, what is more, the same software ensures its operation as well. Thanks to the mostly unchanged main elements, the **cadets can experience the realistic behavior of the Airbus A320** in a high-fidelity environment.

There are four main differences between the A320 AATD and our flagship product the A320 FNPT II APS MCC simulator. The AATD version comes without an enclosed cockpit, the visual system contains either an ultra-wide or two smaller displays instead of the high definition direct projection system and it is not equipped with OEM parts. On the other hand, **the price is what distinguishes the A320 AATD from the A320 FNPT II MCC**, which is a factor of paramount importance to owners and management.

Advantages

- **Realistic** Airbus A320 cockpit layout and behavior
- **Physical hardware** with tactile switches
- Compact device, **fits into a small room** (space requirements: 3,5 m x 3,2 m x 2,5 m)
- **One-button start-up** and shut-down system
- Ease of use, **no need for a technician** to operate it
- **Tailor-made product**, shaped for your needs
- Full blown **Simnest A320 software**
- **Cost effective solution**, yet with dozens of trainings
- Product of a strong, stable and reliable company

List of trainings

- Jet Orientation Course (JOC)
- A320 procedures, malfunctions and systems training
- Airline screening
- Airline recruitment
- SOP & System and Cockpit familiarization
- Competency-based training
- CRM and situation awareness
- TEM, LVO, LOFT
- Type rating preparation training
- OPC/LPC preparation training
- Upset prevention and recovery training
- Interview preparation
- ACAS training



Specification

Cockpit	<ul style="list-style-type: none">• Representative flight deck replica• Main Instrument Panel with EIS ver. 2 fit• Flight Control Unit• Pedestal with all associated controls• FWD Overhead Panels
System includes	<ul style="list-style-type: none">• Simnest Multifunctional Control Unit (SMCU) for device start-up and shutdown• Simnest Flight Management Guidance System (FMGS)• Flight model for Airbus A320 with CFM 56 or IAE V2500 engine fit• Aircraft systems modeling including Fuel, Electrical, Hydraulic, Pneumatic, Pressurization and Fire Protection System• Autopilot, Autothrust and Flight Director Systems• Advanced autoflight including LNAV/VNAV, GLS, RNP approaches and autoland• Weather radar (WX), ATIS system
Flight controls	<ul style="list-style-type: none">• Representative replicas of sidestick controls• Dual Steering Tillers• High-quality generic rudder pedals with toe brakes• Advanced fly-by-wire control laws and flight envelope protection modeling
Thrust	<ul style="list-style-type: none">• Thrust levers and reverse thrust with detents• Motorized trim wheels
Instructor station	<ul style="list-style-type: none">• Touch-screen interface• IOS software includes comprehensive simulation controls including aircraft positioning, dynamic weather interface, flight-path map, and extensive system failures
Visual system	<ul style="list-style-type: none">• Customer's choice between one ultra-wide screen (65") or two smaller-sized screens (2 x 43")
Sound system	<ul style="list-style-type: none">• Realistic engine and environmental sound effects• Cockpit alerts and warnings including call-outs, configuration warnings EGPWS warnings and TCAS alerts
Manuals	<ul style="list-style-type: none">• Flight Manual• Instructor Station Manual• Maintenance Manual
Navigation	<ul style="list-style-type: none">• Worldwide generic terrain database• Navigational database including airways, SIDS, STARS and Approaches

Additional options

- OEM Airbus sidesticks
- Control loaded rudder pedals
- Enclosed cockpit
- AFT Overhead Panel
- Specific airport for pre-flight and post-flight procedures training
- Touch-screen interface on folding arm
- Training manuals are available upon customer request
- Failures Description Manual
- FTD Level I upgrade

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