



GT GLASS TRAINER AATD



The Precision Flight Controls GT Glass Trainer is a high-fidelity, FAA-Approved Advanced Aviation Training Device (AATD) designed specifically for Garmin® G1000 flight deck familiarization, avionics training, instrument proficiency, normal procedures, abnormal procedures, emergency procedures, and crew resource management.

For more than **35 years**, Precision Flight Controls (PFC) has set the benchmark in professional flight simulation. The **GT Glass Trainer** continues that tradition by providing a purpose-built training platform focused on improving pilot proficiency with the simulated Garmin G1000 avionics suite, cockpit workflow, procedural discipline, and aircraft systems familiarity.

The system incorporates realistic flight controls, aircraft-style panels, avionics integration, and functional systems modeling to create an authentic training environment. Together, these elements allow pilots to practice real-world procedures, improve Garmin G1000 operational flow, build confidence with glass cockpit operations, and reinforce both normal and emergency cockpit procedures.

The GT Glass Trainer is ideal for:

- Garmin® G1000 software/avionics training
- Instrument proficiency
- Normal procedures training
- Abnormal and emergency procedures
- Cockpit workflow development
- CRM and scenario-based training
- Software familiarization

Designed for flight schools, universities, training centers, and professional operators, the GT Glass Trainer provides a cost-effective, durable, and highly capable training solution for pilots transitioning to or maintaining proficiency in Garmin G1000-equipped aircraft.

The GT Glass Trainer supports the following flight models:

- Beechcraft Bonanza and Baron
- Beechcraft King Air B200, King Air C90
- Cessna 172, 182, 206 and 208
- Cessna Caravan 208
- Diamond DA40 and DA42
- Piper Archer and Seminole
- Piper Corvalis
- Piper Malibu
- Daher Kodiak 100

Why Our Training Device Stands Out From The Rest

Many competitors rely on off-the-shelf plastic controls, low-performance computers, and touchscreens or mouse-based interfaces. They often use inexpensive electronics, such as inexpensive encoders, knobs and buttons without proper detent or realistic feel. While these solutions may be acceptable for home use, they do not meet the standards required by professionals.

Mastering aircraft systems and navigation devices is a daunting task, and the aircraft itself is not an ideal environment for effective training. Our device provides a superior solution designed for serious aviators.

Key Benefits:

- ✓ **Save Time & Reduce Aircraft Operating Costs**
- ✓ **Authentic Software for Realistic Training**
- ✓ **Enhances Proficiency & Skill Retention**
- ✓ **Comprehensive Training Capabilities**
- ✓ **Prepares Pilots for Flight Checks**
- ✓ **Hands-On Experience with Realistic Controls**
- ✓ **Built with Professional-Grade Components**
- ✓ **Future-Proof with Upgradeable Features**

Premium Build & Performance:

- ◆ **Custom-Made Precision Parts**
- ◆ **Durable All-Aluminum Construction**
- ◆ **High-Performance Computer for Smooth Operation**
- ◆ **Low Operating Costs for Maximum Efficiency**

Designed for professionals, our training device ensures pilots develop the skills and confidence they need—without unnecessary compromises.

The avionics environment supports accurate use of primary and multifunction displays, GPS navigation, flight plan entry and modification, waypoint sequencing, map functions, radio tuning, transponder operation, traffic and terrain awareness displays, approach loading, and instrument procedure management.

This level of fidelity helps reinforce proper cockpit workflow, avionics familiarity, checklist discipline, and real-world decision-making.

By using Garmin-Based Software rather than a generic display simulation, the system provides more authentic training experience and helps reduce the risk of negative training transfer. Pilots can practice normal, abnormal, and emergency procedures in an avionics environment that closely reflects what they will see and operate in the aircraft.

Key Benefits :

“FAA-approved AATD - Supports applicable training credit under Parts 61 and 141 when used in accordance with FAA regulations, LOA provisions, and approved training program requirements.”

- Accurate Flight Model Performance
- All-Metal Cockpit Structure – Commercial-grade durability
- Low Cost of Ownership – Minimal maintenance and high dispatch reliability
- Designed to evolve with avionics and training requirements.
- Small Footprint

System Realism



Each control panel is meticulously recreated to ensure proper placement, tactile feel, and accurate system operation. From engine start to shutdown, pilots can hear, feel, and experience the difference in a professional training environment.

The control yoke features **2-Axis Control Loading**, providing realistic pitch and roll forces, environmental loading, engine vibration effects, and stall buffet cues. This allows pilots to develop proper control feel, improve procedural flow, and experience aircraft-representative feedback throughout all phases of flight.



Integrated High-Resolution Visual System

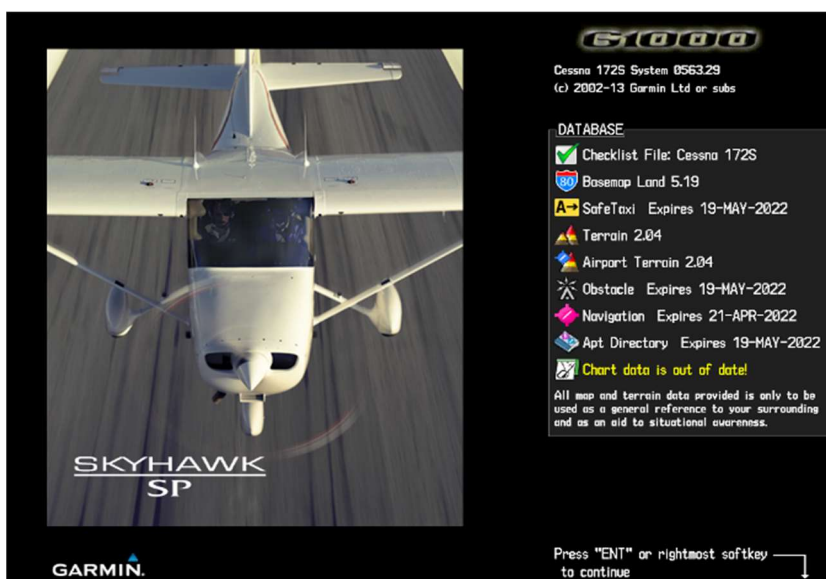
The simulator includes an integrated high-resolution, single-channel visual system with a wide 90-degree field of view. The system is optimized for smooth performance, realistic outside visual cues, and effective pilot training. Worldwide visual scenery and navigation aids are included to support a broad range of training environments and operational scenarios.



Because of the accuracy of the software and systems, flight model and high-resolution visual system(s), pilots can safely practice a wide range of training scenarios including night landings, upset recovery, unusual attitude recovery, and numerous emergency procedures.



Using OEM Software makes the difference when it comes to one-to-one operations providing no negative transfer.



We offer several Flight Models for SEL, MEL, Turboprop and Jet.

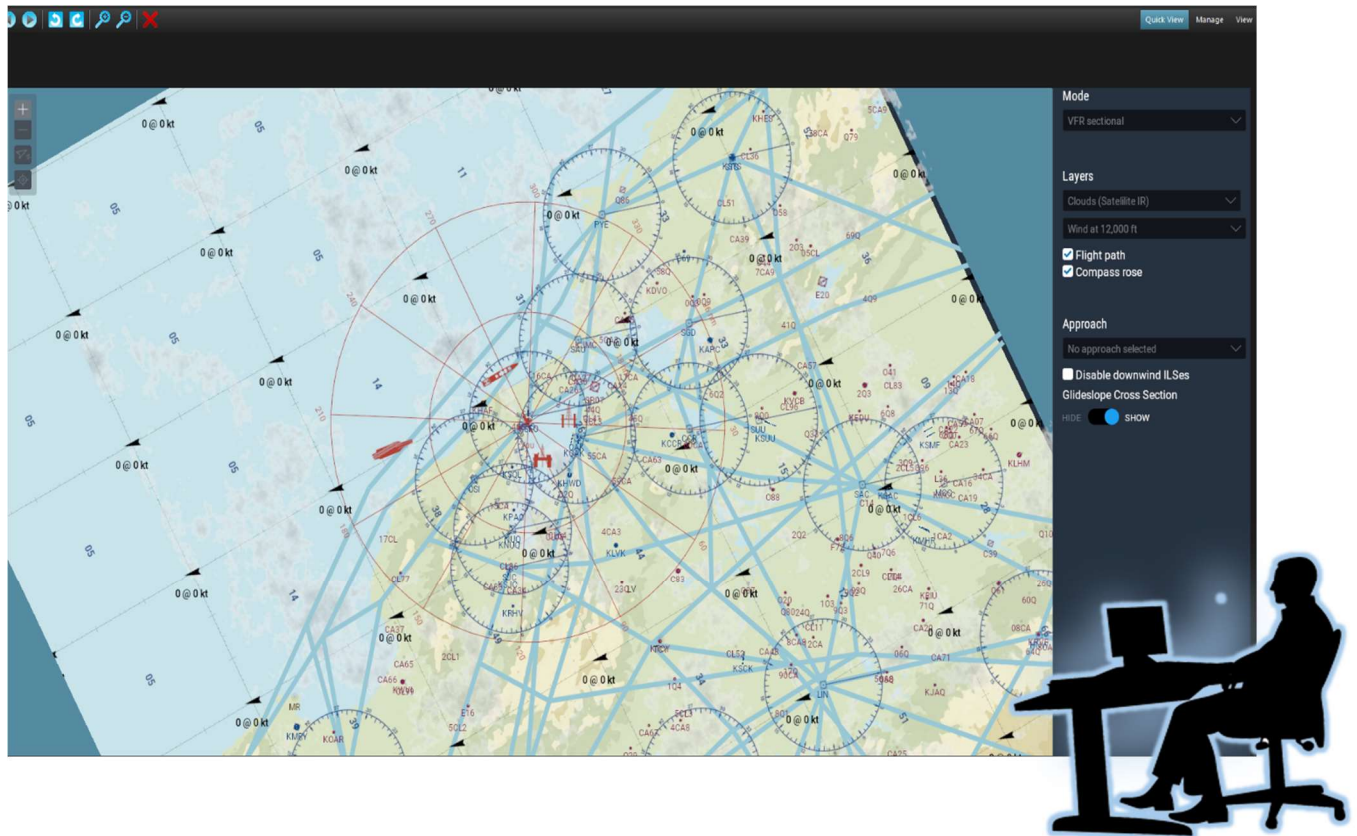
If it's not Genuine Garmin,
it's not Garmin!

Integrated High-Resolution Visual System

A High-Resolution visual system, single channel with wide field-of-view 90 degree configuration optimized for smooth performance and realistic visual cues. Worldwide Visuals and Navigation Aids are included.

Instructor Operator Station (IOS)

The integrated Instructor Operator Station (IOS) allows instructors to manage training sessions through aircraft repositioning, insertion of system failures, environmental and weather control, and real-time monitoring of aircraft state and pilot inputs.

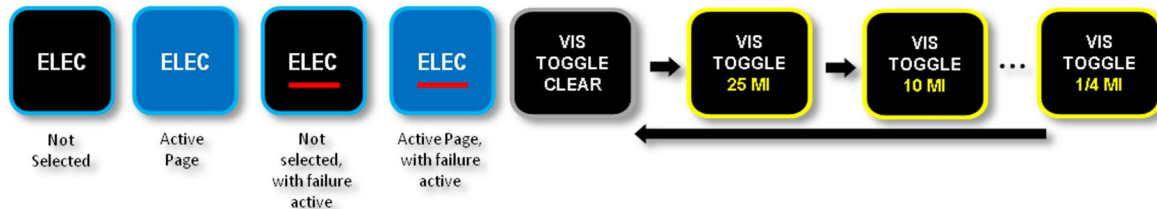
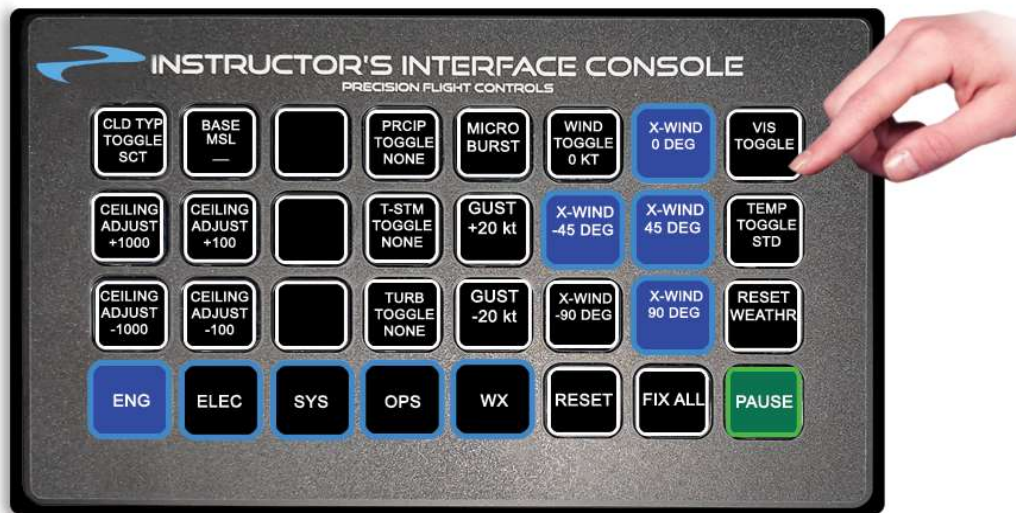


Investing to save time and money!

Depending on fuel prices, utilization, maintenance reserves, insurance, hangar, and crew assumptions, A high-fidelity simulator provides operators with a cost-effective way to conduct flight familiarization, avionics training, CRM, normal procedures, and emergency procedure training while reducing aircraft operating expense, fuel burn, maintenance exposure, and aircraft downtime.

QUALITY SIMULATION = POSITIVE TRAINING RESULTS!

Instructor Interface Console (IIC) Touch Based IOS Interface



The Instructor's Interface Console is plug and play with a simple USB connection. You can immediately or pre-set a system failure(s), reposition the airplane, pause the simulation and make weather changes on the fly.

Each tactile button changes color depending on the situation, for example: If you choose to set an engine fire push the Engine Fire Button, (defaulted to green meaning there are no failures selected) once depressed, the button will turn Red indicating an Engine Fire has been initiated). You can reset the failure by pushing the button again.

Can be operated from Inside the Flightdeck or outside the Flightdeck at the Instructors Station

Garmin® = One Hundred % Software Accuracy

Features Include: Synthetic Vision, Safe Taxi, TCAS, SafeTaxi® and Runway Advisory and Alerting Features

“The system is ready for georeferenced moving-map integration with compatible applications such as ForeFlight or Jeppesen, subject to applicable subscriptions, licensing, and configuration requirements.”



ForeFlight provides access to a full library of current VFR, IFR, TAC, area, and gulf charts. All charts are elegantly projected onto a 3D representation of the world, and charts of the same type are interweaved into a seamless single map - no more fumbling with paper in the cockpit. The system is ready for Geo Reference Connectivity to your moving map software!



**Live ATC
via Pilotedge
pilotedge.net**

Stay Current and Maintain Proficiency

A complete training solution—from first solo to advanced proficiency.

Crafted with **precision engineering**, **real Garmin™ software integration**, and a fully **FAA-compliant architecture**, our simulators deliver **uncompromising realism** and measurable **training value**.

Whether you are training a new pilot or refining advanced procedures, this is the platform professional's trust.

System Features:

- **All-metal Structure**
- **Commercial-grade Components**
- **High Dispatch Reliability**
- **Low Maintenance Requirements**
- **3 -Axis Control Loading**
- **OEM Garmin® G1000 Software**

**We understand flight school pressures because we collaborate with them.
You are not just buying a simulator, you are investing in reliability, credibility,
and training outcomes!**

Summary

- Garmin® G1000 software
- Replica throttle quadrant and center console
 - 3-axis control loading
 - 90° single monitor visual system
 - X-Plane Professional Software
 - IOS and IIC instructor tools
- Optional PilotEdge / live ATC compatibility
- ForeFlight / Jeppesen georeferenced moving-map readiness

Why purchase from Precision Flight Controls?

While some simulators may cost less upfront, PFC focuses on long-term value, durability, and overall cost of ownership.

Our systems are designed to provide:

- Fewer repairs
- Longer service life
- Upgradeable, visuals, software, and system enhancements
- Reduced downtime
- Reliable performance in high-use training environments

Over time, flight schools and training organizations can realize a lower cost per training hour through improved reliability, reduced maintenance, and a simulator platform that can evolve with their training requirements.

Real Support from Real Aviation Professionals

Precision Flight Controls does not outsource support to a call center. When you work with us, you receive direct support from people who understand aviation, simulation, and training operations.

Our support includes:

- Knowledgeable technicians
- Direct access to engineers when needed
- Ongoing operational and technical support
- Product training and system familiarization
- Practical guidance from professionals who understand real-world flight training

PFC is committed to supporting customers long after delivery, helping ensure each simulator continues to perform reliably and deliver meaningful training value for years to come.

For over 35 years Precision Flight Controls helped flight schools train better pilots, reduce operating costs, increase utilization, and protect long-term investments.

Call For Pricing



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