

Introducing Our All New Desktop Garmin G1000/Avidyne Glass Panel Trainer!

Only
\$3,995

Garmin G1000 with FSX

PFD and MTD can be
blown up to full screen views

Elevator Trim

Professional
Yoke

Rudder Trim

Flaps

Interchangeable throttle
quadrants (SEL and MEL)

Gear Switch

Only \$3,995 or \$87.50/month* (*WAC - Basic Model - FOB Tulsa, OK)



Garmin PFD - Full Screen



Garmin MTD - Full Screen



Visuals - FSX, ESP, Prepar3D



Avidyne Integrated Cockpit



Garmin G1000 in Lesson Mode



Optional Flight Deck & Metal Rudders

- Brand New Custom Design
- Garmin or Avidyne - or both!
- Gear Selector, Flap Selector, Rudder Trim
- Many custom options available
- Single or Multi Engine
- Full Range Visuals
- Touch Screen Option Available
- Rudder Pedals

Plus - One of the best warranties in the industry!



GARMIN G1000 AVIONICS SIMULATOR ENGINE

Our Garmin G1000 Aviation Simulator is a stand-alone software application. This technology (designed by Flight1 Technologies) is designed to run on its own, or it can be used in conjunction with Microsoft ESP (commercial) or Microsoft FS-X (personal). It will also run with Lockheed Martin's Prepar3D. In this release the G1000 Student Simulator is modeled after the Garmin G1000 Cessna Nav III and Diamond aircraft variations.

The G1000 is designed to run as a separate program, the simulation can be run on the same computer as the flight simulation. The G1000 can also be run as part of a network and running the simulation on a dedicated networked machine gives it the best overall performance.

To sum it up, The G1000 Avionics Simulator is designed to run by itself as a stand-alone program incorporating its own database, etc; but it also can be run in conjunction with various flight simulator programs if you wish. The G1000 simulator was not designed to be part of a "virtual cockpit" incorporated into a flight simulator program. Depending on its use, various types and configurations of monitors can be used—including touch screen!

Being that it runs independent of the flight simulator application, the Garmin G1000 simulator can be used with any aircraft supported by the flight simulator package and will go far beyond what the flight simulator application default G1000 provides.

All of the most frequently used flight management features found on the real G1000 PFD and MFD are modeled, including highly realistic MFD Navigation and PFD Inset Maps. The MFD includes Navigation, Waypoint, Auxiliary, and Nearest page groups, as well as Direct To, Flight Plan, and Procedure functionality (including Departures, Arrivals, and Approaches). Flight plans can be created, saved, and loaded.

The Navigation and Inset Maps include cities, major highways, railroad tracks, city and state names, and water body names. Both North Up and Track Up Navigation Map configurations are available via the G1000 Simulator interface.

The G1000 Simulator features an updatable worldwide Navigraph navigation database, so you can train using the same nav aids and frequencies you use when you fly for real.

A separate Failure Generator application can be connected to the G1000 Student Simulator to provide an instructor with the ability to fail specific components of the G1000 display (including Airspeed, Altitude, Heading, Attitude, Vertical Speed, Nav Radio, Com Radio, Transponder, and RAIM). When failed, each component will display appropriate failure flags and /or indications.

Just like on the real G1000, the Engine Indication System (EIS) displays critical engine, electrical, fuel, and system parameters on the left side of the MFD. Aircraft-specific engine data is displayed according to the aircraft configuration selected in the G1000 Student Simulator interface. EIS features modeled include a Lean Display. In reversionary mode, EIS data is displayed on the left side of the PFD so that the flight can be completed using only one screen.

The G1000 Simulator Audio Panel is displayed in its own window, and works in conjunction with the other components of the Communication/Navigation/Surveillance (CNS) system found on the PFD and MFD—just like the real G1000 audio panel, manual and automatic frequency tuning are available for both Communications and Navigation radios, and realistic Transponder controls and functionality are located on the PFD.

A partial list of performance include:

- Fly Holds
- Fly Procedure Turns
- Fly Departures and STARS
- Store and Load Flight Plans
- Obstacle Avoidance Annunciations
- Integrated Garmin GFC 700 Autopilot
- Use GPSS Anticipated Steering and Prompts
- Save Fuel and Engine/Airframe Time
- Fly Fully Coupled WAAS/LPV Approaches in both Vertical and Lateral modes
- Airways, Fixes, VOR's, NDB's
- Stay Current

AVIDYNE GLASS PANEL INTERACTIVE SIMULATOR ENGINE

The Avidyne Glass Panel Interactive Simulator Engine was designed by Flight1 Technologies to integrate into either Microsoft's Flight Simulator FS-X, or ESP. The immersive type training will help the pilot to better understand the use of the Avidyne EXP5000 PFD and MFD. An updated version capable of running in conjunction with Lockheed/Martin's Prepar3D software is in final testing and is due to be released shortly.

This simulator allows the pilot to become more proficient in the use of the Avidyne system procedures through interactive practice with system components and functionality. The simulation has many features that can be custom tailored and fine-tuned to match a specific platform or preference. The simulation can be updated frequently by a connection to the internet. Also, a touch-screen monitor application can be adapted for use instead of a mouse set-up. In a glass cockpit, you can't just cover up gauges with plastic covers to simulate failures. The Entegra Student Simulator includes an easy to use Failure Mode panel. Simply click to toggle specific failures on and off.

Four specific aircraft platforms and one "Custom" are simulated:

- | | |
|---------------------------|------------------|
| 1. Piper PA28 Warrior III | 3. Piper PA32 6X |
| 2. Piper PA44 Seminole | 4. Cirrus Sr22 |

By choosing one of the above preconfigured aircraft, the simulation automatically inputs the correct PFD settings, including V-Speeds, engine type, high and low RPM, horsepower, etc. A "custom" tab feature allows the pilot/user to enter data pertaining to any configuration of aircraft platform.

Because the simulation so closely models that of the Avidyne Entegra Flight Deck, we recommend the use of the Avidyne Entegra Pilot Guides which is available directly from Avidyne. These pilot guides will fully explain all of the available features and provide details for correct use in real-world flying.

For utmost realism, each aircraft panel includes simulations of both the Garmin GNS430 GPS (Dual Installation) and the Meggitt S-Tec 55X Autopilot. For further information on these systems, user guides can be downloaded via the web from the manufacturers' websites.

Unlike part-task trainers (like the Entegra Freeplay Simulator available from Avidyne), the Entegra Student Simulator works together with Flight Simulator 2004, Flight Simulator X, or Microsoft ESP to provide an immersive training

experience. The Entegra Student Simulator provides a rich avionics simulation, and Flight Simulator 2004, Flight Simulator X, or ESP provides an unmatched aircraft and environmental simulation. By combining both, you can learn and master the Entegra in the same cognitive environment in which you'll use it. You'll have to manage the avionics while simultaneously managing the challenges of flying an airplane. The Entegra Student Simulator lets you learn and master most features of the real Entegra Flight Deck System, including both the PFD and the MFD. Our Entegra Student Simulator is so realistic we encourage you to use the real manuals to learn how to use it.

You'll also have to dive into the manufacturer's manuals to master using the many other simulations included:

- Meggitt S-TEC 55X autopilot
- Garmin GNS430 GPS
- Garmin GTX 337 transponder
- Garmin GNA 340 audio panel

It's so realistic, in fact, that it's endorsed by Avidyne!!

Avidyne Entegra EXP5000 PFD Interactive Courseware

This interactive multimedia training course has been developed in cooperation between flight1 Tech and Avidyne and features content based on the Avidyne EXP5000 manual. The training has been designed to familiarize and train pilots to efficiently operate the Entegra EXP5000 Primary Flight Display (PFD). It's been accepted as a FAA/Industry Training Standards (FITS) Self-Learning Program.

The lessons and flight scenarios are presented by a virtual instructor, and feature both audio and text versions of the same information to suit your preferred learning style.

For a nominal cost, we can also supply this courseware completely loaded and running as an option when ordering your simulator. This courseware can also be ordered separately.

We strongly suggest you combine this courseware with our Avidyne Entegra Simulator for an even more powerful Entegra training experience.