



FMS DESKTOP TRAINING DEVICE

COST-EFFECTIVE, POSITIVE TRAINING

Driven by the aircraft's actual avionics software

Avionics suites are more software dependent than ever, providing the pilot with an unprecedented amount of information and situational awareness. The ongoing challenge is to keep flight crews both current and familiar with these advanced avionics systems to take full advantage of all the information available, without increasing pilot workload.

The Collins FMS Desktop Training Device (FMS-DTD) provides an effective solution using the same software from both the aircraft flight management system (FMS) and display systems, all running on a

Windows® PC. The FMS-DTD uses the actual software used on the aircraft, greatly reducing the possibility of negative training. It helps pilots quickly become familiar with the avionics and enhances aircraft operational safety.

Pilots can also use the trainer's simulated avionics tool for pre-flight planning, still all on a Windows PC. They can save the flight plan to a USB drive and then download it into the matching aircraft's FMS. This reduces the time it takes to enter a flight plan into the FMS, minimizing avionics programming time while the engines or auxiliary power unit are operating.

KEY FEATURES AND BENEFITS

- A cost-effective way for pilots to remain familiar or expand their knowledge of the avionics system
- Aircraft-specific products reduce or eliminate negative habit formation
- All versions run on Windows 10-based computers
- Pilots can practice when and where they want, at their own pace
- Looks and operates like the aircraft software, providing the highest level of training fidelity possible off the aircraft
- Provides a virtual version of the panels, with simulated functionality

THE TRAINING CONTINUUM

Collins Aerospace provides a wide range of training solutions to ensure customers train properly and maximize the operation of their avionics system in the aircraft. Our training portfolio includes instructor-led and computer-based training as well as various procedural trainers up to full-motion flight training devices.

THE IDEAL FMS TRAINING TOOL

A state-of-the-art FMS is one of the most powerful and vitally important components of a modern flight deck. In today's increasingly complex airspace, it is critical that pilots can accurately interpret and properly respond to all of the information provided by the avionics system. Software-centric flight decks, like other software tools, have far more capability than what is used by the typical user. The solution to better utilization of an avionics system's full capability is readily available and highly realistic refresher training.

It starts by entering a flight plan and performance data to get the most out of the aircraft's systems. The FMS-DTD enables a pilot to go through all phases of flight, including navigation, V-speeds and in-flight performance, engaging the flight director, autopilot functions and capturing approaches. The FMS-DTD provides a virtual flight deck of displays, panels and a simulated throttle. This enables pilots to practice and master all critical cockpit tasks.

To confirm their data entries, pilots can run a simulation that executes the flight from takeoff to touchdown.

FLY LIKE YOU TRAIN. TRAIN LIKE YOU FLY.

The FMS-DTD is aircraft specific and represents the same equipment that is on the actual aircraft, which greatly enhances the pilot's training experience. We offer FMS-DTDs for both our Pro Line 21™ integrated avionics system and Pro Line Fusion® integrated avionics system. Our IFIS integrated flight information system simulation is available on some FMS-DTDs.

TRAINING BY THE AVIONICS OEM

The FMS-DTD is a cost-effective, high-fidelity training solution enabling the pilot to train virtually anywhere, anytime, on the same software that runs in the aircraft. Pilots can master the skills and build and maintain the knowledge required to more safely and efficiently operate the aircraft in today's air traffic control environments.

Currently available FMS-DTDs include the following aircraft:

| AIRCRAFT TYPE | PRO LINE VERSION |
|------------------------------|------------------|
| Bombardier Challenger CL-300 | Pro Line 21 |
| Bombardier Challenger CL-350 | Pro Line 21 |
| Bombardier Challenger CL-605 | Pro Line 21 |
| Bombardier Challenger CL-650 | Pro Line 21 |
| Cessna® Citation CJ3® | Pro Line 21 |
| Cessna® Citation XLS+® | Pro Line 21 |
| Cessna® Citation CJ4® | Pro Line 21 |
| Hawker 800XP | Pro Line 21 |
| Beechcraft® King Air® 350 | Pro Line 21 |
| Airbus A220 (C Series) | Pro Line Fusion |
| Cessna Citation CJ3 | Pro Line Fusion |
| Embraer Legacy 500 | Pro Line Fusion |
| Beechcraft King Air 350 | Pro Line Fusion |
| Bombardier Challenger CL-604 | Pro Line Fusion |

Note: A current navigation database is required to create and load a valid flight plan to your aircraft.

RECOMMENDED SYSTEM REQUIREMENTS

| | Pro Line 21 | Pro Line Fusion |
|--------------------|------------------------|------------------------|
| CPU (not Celeron) | 2.4 GHz quad core | 3.6 GHz dual quad core |
| Memory | 16 GB RAM | 64 GB RAM |
| Hard drive | 1.5 GB free disk space | 2.5 GB free disk space |
| Video | 1 GB+ | 4 GB+ |
| Number of monitors | 1 | 2 |

The FMS-DTD is designed to run on Windows 10, 64-bit. An Americas demo navigation database is included. Navigation database subscriptions are available for the FMS-DTD.

Note: If Windows 7 is required, please request specifically.

Specifications subject to change without notice.



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