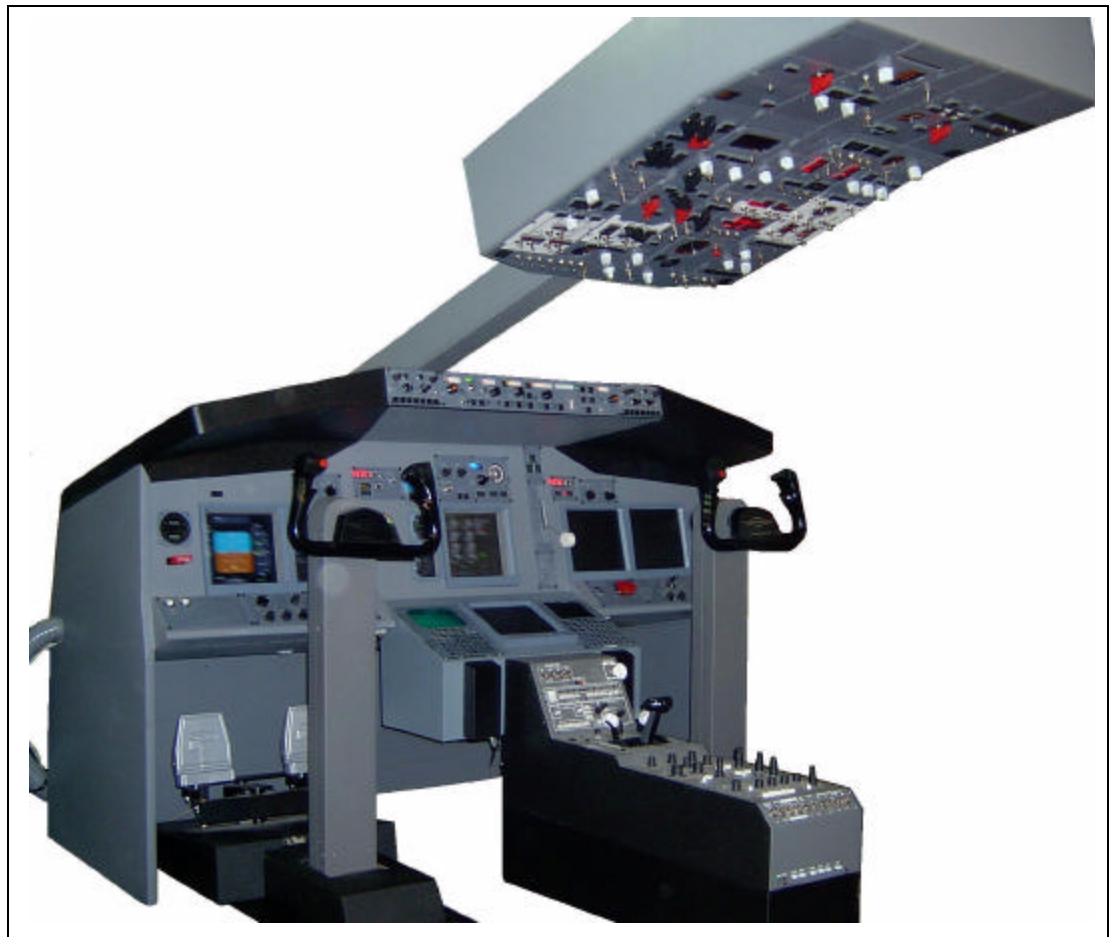


737NG/Regional Jet Flight Training Device



The Flight Training Device (FTD) provides 100% avionics and systems functionality which allows training for normal, abnormal and emergency procedures



The Flight Training Device (FTD) is an open, free-standing system that replicates all of the active 3-D elements as high-fidelity simulated components.

The FTD provides maximum flight simulation fidelity at minimum cost. Using the latest in COTS PC-Based simulation technology, the FTD provides:

- FAA compliant level 4 Flight Training Device
- Optional integrated pilot and co-pilot seats with adjustable tracks
- Digital 5.1 surround sound system
- Jeppesen World-Wide database
- Instructor Operator Station (IOS) with full freeplay or pre-programmed flight scenarios and complete brief and de-brief capabilities

737-800/RJ Flight Training Device

Low Cost Performance

The FTD has been designed to achieve low life-cycle costs by using commercial off-the-shelf components, computers, displays, as well as automated calibration and troubleshooting utilities.

Environment

The FTD is designed to work in a standard office environment using normal 110VAC electrical power. No building provisions are required for installation.

Simulation Software

A complete world-wide Jeppesen database of airports and nav aids is included. In addition, the pilot has the ability to add nav aids, waypoints, and specific scenery details.

Using a standard high-speed Internet connection, the simulation software provides real-time weather data which is not only presented on the Out the Window (OTW) display, but also on the Navigation Display in radar mode.

Network Compatibility

The FTD supports both military and commercial networks including TCP/IP, IPX, DirectPlay, UDP, DIS, and HLA.

Visual Display

A single OTW display is provided using an LCD projector with a bright 2,200 ANSI Lumens and super high contrast ratio of 2000:1. An additional projector can be configured to provide up to a 220 degree field of view.

Computer Systems

The FTD computer systems are comprised of multiple high-performance TCP/IP networked computers. Seven

individual computers are used to drive the flight simulation, OTW display, flight displays, and cockpit controls.

Easily Portable

The FTD is designed to be easily disassembled and relocated.

Instructor Operator Station (IOS)

The IOS is designed to make lesson setup, control, and post-flight debriefing user-friendly. Task monitoring and evaluation can be performed using flight playback, in-flight cockpit video recording, and graphical reproductions.

FAA Level 4 Compliant

The FAA allows FTDs to be used for pilot and co-pilot procedure training. The ACC FTD can simulate the flight deck in form, feel and functions under normal, non-normal and emergency conditions.

Cockpit Resource Management Training

Both pilot and copilot can work together in an integrated crew environment.

Normal, non-normal and emergency procedures for pre-flight, departure, cruise, en-route, arrival, approach, missed approach and automatic landing can be achieved with full integration across all systems. This can be accomplished in a stand-alone student free-play mode or through structured lessons created and monitored from the IOS.

Flight Controls

The pilot's and copilot's flight controls include hydraulic dampened yokes with programmable switches and hydraulic dampened rudder pedals with toe brakes.



For more information contact:

ACC, Inc.
1063 Grindle Bridge Road
Dahlonega, GA 30533

Phone: 706.865.4002
Email: accinc@alltel.net
www.accinc.us

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