



FLY YOUR DESIGN

Ever wanted to see an aircraft fly in real-time during the design phase? Using the J2 Pilot plug-in's automatic interfaces/models you can fly aircraft on your J2 Universal Database in a simple desktop simulation at any stage in design. Compare designs to get a complete understanding of flying performance. You can also use J2 Pilot interfaces to merge the finished design into a Full Mission Simulator and integrate the model into pilot training simulators.

KEY FEATURES AND BENEFITS

1. Man-In-The-Loop Analysis

- Get real-time pilot-in-the loop feedback of conceptual designs. Use engineer-in-the-loop flights to assess comments and improve designs

2. Simple Interfaces

- Plug-in USB Controls and fly the aircraft in the instant desktop simulator
- The standard graphics interface works with industry standard visual systems. No additional work is needed to get 'Out The Window' visuals

3. Direct Link to the J2 Database

- Select and fly any aircraft straight from the database
- Investigate fuels/stores configurations, aircraft variations or different aircraft with a click of your mouse
- Modify designs and fly the results instantly to get immediate reaction and comparison. No need to re-write or re-compile code

4. Collaborative Capability

- Access aircraft models across the network – Design and Engineering can create the data models and Flight Simulation can fly them
- Fly Stand-alone or as part of a multi-ship sortie



J2 PILOT DELIVERS

Features

Advantages and Benefits

'Out of the Box' Simulation

Fly aircraft models instantly with J2 Pilot. Plug in any cockpit controls and start to fly. There is no need to start to generate and compile software before flying your aircraft

Integrated Simulink® Controls

To create more elaborate and complex solutions, J2 Pilot gives you a set of Simulink blocks that can be used to build up solutions to include complex and adaptable control systems

CIGI Interface

Standard messages to 'Common Image Generator Interface' means that the Out the Window view can be displayed on a basic desktop CIGI viewer or on a multi-channel combat dome with no changes required

Cockpit Displays

J2 Pilot provides you with a suite of basic cockpit Head Down Displays to add further information to your flying experience

Network Facility

Link with other simulations, combine with networked visuals or simply take to aircraft models stored elsewhere on the network. The system has complete networking capability implementing UDP and COM communication protocols to give real flexibility to your solution

Auto Coding Capability

If you need to write your own interfaces to your own cockpits controls or displays, then J2 Pilot can also accommodate that

Using the Simulink® blocks, and the Matlab Real-Time Toolbox® you can automatically generate you own real time code and compile your own solutions

