



**Sound Quality. Sound Engineering.**

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## **Falcon 2000 with PS Engineering Audio System** Digital Audio System an important piece in this upgrade

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Refreshing a business aviation cockpit presents an opportunity to add innovation, enhancing safety and improving crew capabilities. A prime example is West Star Aviation installation of PS Engineering PAC45J Digital Audio Management System, in combination with the Universal Avionics InSight flight deck.

West Star Aviation ([www.weststaraviation.com](http://www.weststaraviation.com)) has completed installing the PAC45J Audio Systems, including three CTL45J control heads and a remote mount HUB45A digital audio router in a Dassault Falcon 2000. Besides the pilot and copilot, an observer position allows a third person to have independent transmit and receive.

The Gunship Grey CTL45J control heads have individual selection over eight communication radios and eight navigation audio sources. Up to four control heads can be connected to the system if required. As in all our Digital Audio Systems, the HUB45A is the central wiring location for all the audio signals. Each CTL45J control head interfaced with a simple RS-422 serial cable bus, making the wiring significantly easier when compared to analog audio systems.

With availability of 8 COM inputs, MultiTalker® provides up to 9 unique positions so that each radio has its very own location within the stereo headset.

West Star Aviation has begun taking reservations for the audio system upgrades including the PS Engineering PAC45 Digital Audio System.

## Capabilities Checklist

Up to 8 Communications Transceivers with individual volume controls	Built-in Bluetooth® Connectivity
Up to 8 Switched Navaid Inputs with individual volume controls	MultiTalker® Head Related Transfer Function (HRTF)
Up to 5 unswitched Audio Inputs	Installer configurable without a computer
Independent Audio Alert Function with 9 field programmable messages	Receive Audio Indicator (RXI)
Up To 4 Control Heads can be used	Intercom active during radio transmission (TXI)
Up to 9 Stereo Intercom Stations	Reversionary modes for redundancy
Stereo Audio Output 200mW per channel minimum	Unlimited Custom Nomenclature Bezel Options
Morse Code Identifier Filter	Black and Gray Bezels
Oxygen Mask Microphone panel activation	Two CVR Audio Outputs
ICS Cabin Call function	Two 10W Speaker Outputs
Morse Code Identifier Filter	Designed for fixed- and rotary-wing aircraft

For more information, contact [gledbetter@ps-engineering.com](mailto:gledbetter@ps-engineering.com)

Founded in 1985, PS Engineering has become a leading manufacturer of both general aviation and special mission audio control systems. The company's sole corporate focus is excellence in the design and manufacture of audio control systems. PS Engineering is credited for many innovations in the field, including IntelliAudio®, IntelliVox®, flightmate®, MultiTalker®, Softmute™, Split mode™, Swap Mode™, and the IRS™ (Internal Recording System), as well as being the first to integrate Bluetooth® in audio control systems. With a network of over 400 authorized dealer/installers worldwide, the company is a leader in retrofit avionics as well as a supplier to other major avionics manufacturers for their audio panel requirements. For more information, please visit [www.ps-engineering.com](http://www.ps-engineering.com)



Falcon 2000 Cockpit



Pilot Side CTL45J



Copilot Side CTL45J



CTL45J Observer