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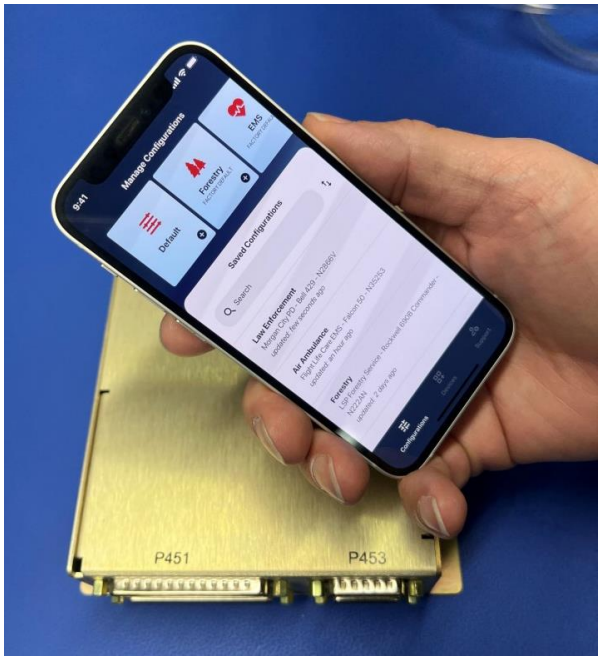
PS Engineering Revolutionizes On-Wing Configurability

New HUB50 puts installer customization at your fingertips

For Immediate Release
Heli-Expo - Atlanta, Georgia March 7th, 2023

The days of advanced audio control systems complexity are over.

PS Engineering has once again listened to the market and delivered a way to simplify the many faceted aspects of installation and operational configuration. With the introduction of the fully digital HUB50 audio management system, configuration has moved away from the multiple switches and potentiometers and placed into an easy-to-use iPhone application. Using the proprietary application, more than 250 different parameters can be configured, including which stations hear which audio sources, switched and unswitched, input and output impedance, audio levels, music distribution, lighting levels, dimmer thresholds, CVR levels and outputs, sidetone levels, and the HRTF dimensional sound locations for all 8 com radios.



Custom profiles can be stored, modified, reused, and shared from the app. Configurations for any aircraft can be built away from the aircraft, and then quickly loaded to the HUB50 while in the hangar or on the ramp in a matter of seconds.

Unprecedented flexibility and allows the audio systems to be configured easily for different mission profiles and duplicated for fleet aircraft. This is very useful when an aircraft is leased for multiple uses such as forestry and medivac. Access to aircraft configuration via the App is limited to line installer/maintenance personnel, who must be in close proximity to the LRU, and only when the unit itself is in configuration mode.

The HUB50 is integrated into the existing PAC45A system, using the current versions of CTL45/A Control heads. It is backward compatible with HUB45AR. The system supports up to:

Feature	HUB50
Control Heads	4
Transceivers	8
Receivers	8
Unswitched Inputs	5
Wired Telephone	1
Bluetooth Telephone	1
Wired Music	1
Bluetooth Music	1
Microphones	9
Hand Microphones	3
Configurable Output	1
Headset Outputs	9
Public Address Output	1
Speaker Outputs	3
CVR Outputs	4
Alert Inputs	9

The HUB50 brings theses *new* features to the audio system:

- Status LED indicator.
- Assignable unswitched inputs. These can be enabled on a per user station basis.
- Assignable switched inputs. These can be enabled on a per user station basis.
- Non-aviation transceiver microphone voltage bias support.
- Artificial Transmit Sidetone configurable on any transceiver.
- Four built in headset low impedance adapters.
- Passenger audio separated from Observer 2 to become fully independent. Permits muting of radios to passengers, EMS patient ICS isolation, other applications.
- Expansion output is a fully configurable output.
- Selectable audio output of FM transceivers for flight data recorders
- PA speaker reconfigurable as copilot cabin speaker.
- PA TX support added to observer stations and with hand mics
- Audio Alerts can be configured to play once, 3 times, or continuous when triggered.
- Alerts can be played on activation and deactivation of an alert for all alert inputs (i.e. seat belt chimes).
- Programmable Bluetooth ID.

Shipments of the HUB50 should begin in May 2023, following FAA TSOA. List price for the HUB50 is $13,995, plus any associated Control Head hardware desired.

https://www.ps-engineering.com/HUB50.html

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