

Digital Audio Control Systems



SPECIAL MISSION



CTL-J - 8 Coms



CTL-D AMS42/AMS44 Plug-N-Play



CTL-P - AMS43 Plug-N-Play

BUSINESS AVIATION



PAC37 Baker B1045 Plug-N-Play



HUB50

*Remote Mounted Controller
 Configured by iOS Application*



HUB45

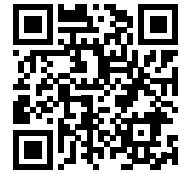
*Low Cost Digital
 Audio Controller*



HUB45A

*Enhanced Capable
 HUB45*

Flying Never Sounded So Good®



The PAC24 was designed as a versatile audio system that meets the needs of airborne law enforcement, EMS, forestry, and special mission aircraft.

Best yet, the recently updated PAC24 is designed to be easily retrofitted into the same installation as a King KMA24H-71 (050-240-0100) and the KMA24H-70 (050-240-0700). This makes adding modern, flexible, audio control and a high-performance intercom easy and cost-effective into aircraft with aging audio panels.

The PAC24 contains PS Engineering's legendary IntelliVox® intercom and the headphone amplifier is the most powerful and cleanest in its class, delivering 120mW of punch to overcome the loudest cockpit environments.

The PAC24 has all the features you expect from PS Engineering, like swap™, split mode, and duplex mode. Designed from the beginning as a dual-capable system, the PAC24 offers outstanding flexibility

for crew member and passenger communications. In the dual configuration, the Pilot's audio panel has command of the ship's intercom if necessary, while the Copilot side is able to handle any necessary audio chores.

In cases where the crew wants extra control, the PAC24 can be switched to PTT-ICS mode. This prevents the intercom from activating until a dedicated push to talk switch is activated.

COM 5 has special properties in the PAC24. It can be configured as either a conventional Com 5 transceiver, or as a full duplex telephone.

An "Observer" version of the PAC24 is also available. This unit allows radio transmission capabilities for a third person when configured as a special mission dual system.

For non-aviation HF and UHF radios, a tactical radio adapter is required.

Remote Mount Digital Audio Management Systems

HUB45 – CHECKLIST OF CAPABILITIES:

- Supports 6 transceivers & 6 nav aids (CTL-P)
- Supports 5 transceivers & 5 nav aids (CTL-D)
- Single HUB 3 control heads, dual HUB 6 control heads (CTL-P)
- MultiTalker Dimensional Sound
- 8 station stereo intercom
- Flightmate 3 aural alerts
- Bluetooth cellphone & music entertainment
- RXI (Radio Receive Indicator)
- TXI (Intercom active during PTT activity)
- 2 independent CVRs
- Special Record Out CVR for Shot Over systems
- Master Radio control available
- Independent radio volume controls (CTL-P)
- Offside Comm allows monitoring of receiving comms when transmitting
- Field configurable, no laptops or special proprietary software
- PIC (pilot in command) override
- Pilot swap mode
- Remote (foot switch) ISO/ALL/CREW switch
- Vertical or horizontal panel mounts available
- "Plug n play" with legacy AMS42/43/44
- 35 second stuck PTT disconnect
- Cabin Call function
- Reversionary mode (redundancy)
- Optional night vision lighting (NVG)



HUB45



CTL-P



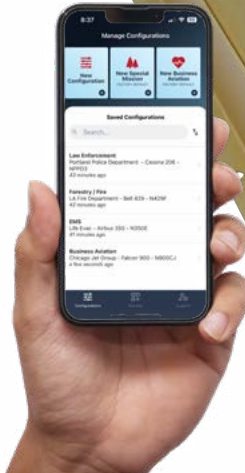
CTL-D



HUB45A



HUB50



HUB45A & HUB50 – CHECKLIST OF CAPABILITIES:

- Supports 8 transceivers & 8 nav aids (CTL-A & CTL-J)
- Supports 4 transceivers & 8 nav aids (CTL-L for business aviation)
- Single HUB 4 control heads, dual HUB 8 control heads
- MultiTalker Dimensional Sound
- 9 station stereo intercom, expandable to 22 intercom stations
- Flightmate Field Programmable 9 aural alerts
- Two internal 10W speaker amps (PA & Pilot Speaker)
- Bluetooth cellphone & music entertainment
- RXI (Radio Receive Indicator)
- TXI (Intercom active during PTT activity)
- 4 independent CVRs
- Special Record Out CVR for Shot Over systems
- Independent & master radio volume controls
- Offside Comm allows monitoring of receiving comms when transmitting
- PIC (pilot in command) override
- Pilot swap mode
- Remote (foot switch) ISO/ALL/CREW switch
- 35 second stuck PTT disconnect
- Field configurable, no laptops or special proprietary software
- Cabin Call function
- Reversionary mode (redundancy)
- VOC (Voice Ident)
- Oxygen mask inputs
- Available in both gray & black cosmetics
- Vertical or horizontal panel mounts available
- 2-Year Pro Support



CTL-J



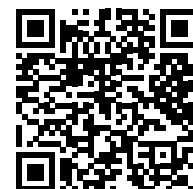
CTL-A



CTL-L

HUB50 ADDITIONAL FUNCTIONALITY:

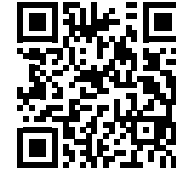
- Status LED indicator.
- Assignable unswitched inputs. These can be enabled on a per user station basis.
- Assignable switched inputs. These can be enabled on a per user station basis.
- Non-aviation transceiver microphone voltage bias support.
- Artificial Transmit Sidetone configurable on any transceiver.
- 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.
- Audio Alerts can be configured to play once or play 3 times 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.
- Field configurable pilot custom profiles for fleet operators.
- EMS version with patient on/off switch and Doppler input available
- Simulcast and transmit
- Intercon Expnadability



Scan the QR for additional information on the HUB series of digital audio controllers.



PAC37 Plug-N-Play Baker B1045

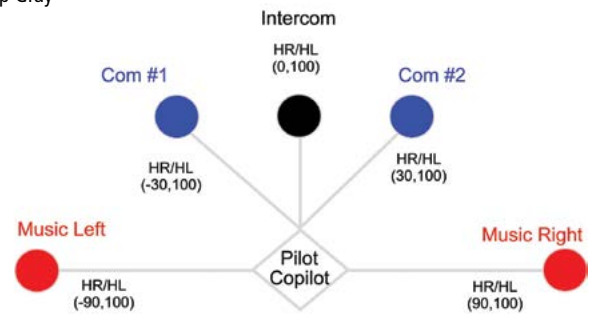


- Supports qty. 3 audio panels (Pilot, Copilot, Cabin)
- Plug-N-play with Baker B1045
- Individual Volume Controls for all front panel selections
- HRTF Dimensional Sound Places C1 at 10 o'clock and C2 at 2 o'clock Position. All other coms 12 o'clock
- Independent 10-Watt amp for cockpit & PA speaker
- Front panel speaker control
- Selectable IntelliVOX®/PTT/HOT microphone intercom
- Music On/Off selection with volume control
- Music Soft Mute™ Selection (On, Off, Radio)
- Integrated Bluetooth for iPads, iPhones, Foreflight, etc.
- Independent Bluetooth ID naming
- RXI - comm text will flash when audio receive is active
- TXI - intercom stays active during PTT activity
- Artificial Transmit Sidetone
- Transmit stuck PTT disconnect (35 seconds)
- Additional unswitched inputs (new wiring)

- Stereo Intercom - (new wiring)
- Supports 3rd crew member jump seat - (new wiring)
- Hardwire Stereo Audio Input (XM Audio) - (new wiring)
- ANR headset power, no circuit breaker required - (new wiring)
- Includes custom decal & 26 pin installation kit
- Cosmetics, either Black or Gunship Gray
- Field configuration, no laptop

Extreme Flexibility:

- PA Sidetone
- PA Speaker
- Cockpit Speaker
- CVR Audio
- External Sidetone
- Day/Night Lighting threshold
- Unswitched Audio #1 thru #5



Accessories

Marker Beacon Receiver (MB10/MB10R)

The MB10 is a 75 MHz Marker Beacon receiver with 3-lamp indications for ILS Systems. Also available as a remote-mounted unit - MB10R.



Tactical Radio Adapter (12100)

Headphone and microphone signals from non-General Aviation applications are not compatible with FAA compliant audio device design standards. The use of the 12100 converts these non-GA radios into the appropriate inputs and outputs so they will work with GA audio systems.



Dual Speaker Amplifier (PSA210)

The PSA210 is a remote-mounted dual speaker amplifier that is capable of driving two 4 Ω speakers independently at 10 Watts each. This is a compact solution for providing clean audio output to cockpit, cabin, or public address speakers.



IntelliPax™ Expansion Unit (11645R)

The IntelliPax™ is a 6-channel, hi-fi stereo expansion unit that can add 6 additional stereo headset intercom positions to PS Engineering's intercoms and audio panels. IntelliPax™ has our much lauded IntelliVox®, an automatic VOX that eliminates any VOX adjustments.



PRD60 Audio Alert Unit

The PRD60 contains six stored messages. An outside annunciator, such as an electronic engine instrument, can trigger these messages and will be heard in the headset.



GA to Mil Headset Adapter (HSA13)

The HSA13 is a low impedance to high impedance adapter for adapting various headsets. It's a direct replacement for the DB Systems DB213 device and can also serve to convert headphone impedances.

