

HUB45

Rremote Audio System



Digital Audio for Special Mission Aircraft

The BUF45 is a featured-packed, special mission audio isolation amplifier and voice-activated (VOX) intercom system, designed to meet the needs of special mission aircraft and piloted, remotely-piloted, and autonomous Advanced Air Mobility (AAM) aircraft including electric, hybrid Vertical Take Off and Landing (eVTOL).

The remote-mounted HUB45 can switch up to eight transceivers (COM 1 to 8) and eight navigation receivers (AUX 1 to 8) that can be configured as desired., public address (PA) function, plus Bluetooth® connectivity for music and full-duplex cell phone interfaces.

MultiTalker® True Dimensional Audio

MultiTalker has the capability that allows the special mission pilot to pay attention to the radio call that is important at any one instant in time.

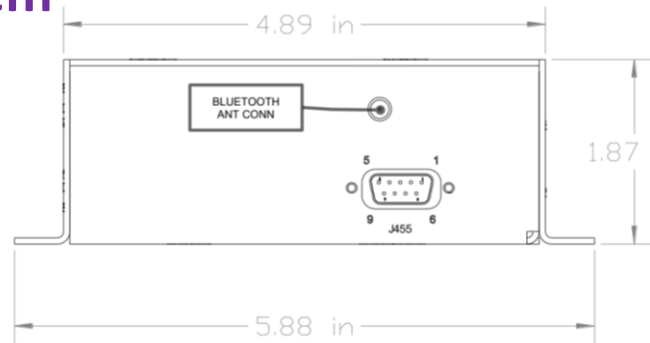
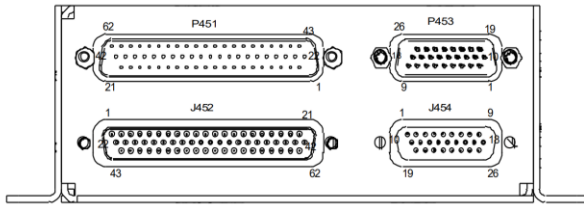
MultiTalker allows the pilot to place 6 individual com radio traffic, up to nine unique positions within a stereo headsets.

VOX Audio Intercom w/Isolation

A nine-station voice-activated (VOX) intercom is included in the HUB45. This system features PSE's patented IntelliVox® circuitry that eliminates manual adjustments. The intercom system incorporates pilot isolate, all and crew modes, a stereo music input with SoftMute™ capability.

The versatile HUB45 can be controlled by a number of different Audio Selector panels and Up to three control heads can be mounted in strategic locations while the Hub can be mounted directly to the pilot's control heads or mounted remotely. It can also be configured to interface with Avidyne's Quantum displays.

HUB45 Remote Audio System



Specifications

HUB45

Weight: 1.00lbs (0.45kg)
 Height: 1.90" (48.26mm)
 Width: 5.90" (149.86mm)
 Depth: 7.20" (182.88mm)

Power Requirements

Power: 28vdc
 1.5A @ 28vdc

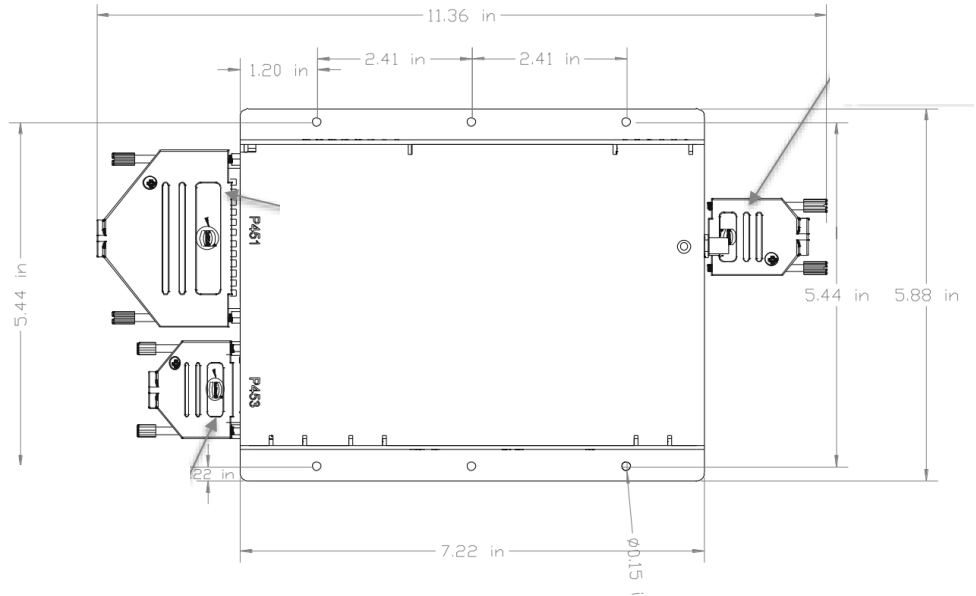
Environmental

DO160G qualified

- To 35,000ft
- 20 ° C to +55°C

Cooling

No external cooling required



I/O	QTY
Receivers	18 (6 COM, 2 NAV, 1 Satellite radio, 6 switched inputs, 2 ADF, 1 DME, 1 MB)
Xmitter Selections	6
Unswitched	4
Intercom	9 (Plt, Cplt, 2 Observer, 1-5 pax) w/IntelliVox®
422 Control	1
Bluetooth	for Cell & Music inputs w/Softmute
CVR Output	1
Speakers	3 4 ohms, 10W ea
PA Output	1

Compliance

DO-178: DAL D
 DO-160: D1/D2, B, A, B, SM/SB/U2FF1, X, X, X, X, X, X, Z, Z, A, Z, ZC, T, B, A3J33, X, X, A
 TSOs: TSO-C139a

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Avidyne reserves the right to make changes to product specifications and design features without notice.

QUANTUM