

PMA8000C PMA8000D



PMA8000C

The PMA8000C provides for an additional communications transceiver. While most aircraft have two Com radios, there are cases where a third transceiver is required. The PMA8000C not only allows the connection of three radios, it also provides 3 unique split transmit modes.

- Pilot Com 1 - Copilot Com 2
- Pilot Com 1 - Copilot Com 3
- Pilot Com 2 - Copilot Com 3

This is particularly helpful when there are special missions required. As an example, Com 3 could be a HF or UHF radio. Unlike the GMA340 where only Pilot Com 1 - Copilot Com 2, the PMA8000C adds this additional flexibility.

The PMA8000D is a system that consists of two interconnected audio panels. This provides the pilot and copilot their own audio selector panel. With the intelligent digital interface control, the pilot has command of the entire audio panel system yet can easily offload some of the radio work to the copilot.

Special intercom configurations allow the pilot undisturbed radio communications while permitting the copilot and passengers to communicate and share entertainment or telephone devices.

"Strange States" are a thing of the past thanks to the PMA8000D built-in intelligence. This system prevents the copilot from over-riding the pilot's audio panel configurations, or interrupting the pilot's radio communications. Because this intelligent approach, the pilot and copilot will treat their respective audio panels as their very own, never second guessing what configuration the other person has his audio panel in.

With two independent Bluetooth® interfaces, any one of a number of configurations will allow distribution of telephone and music. In fact, the Bluetooth® interface in the Pilot's audio panel is strictly for the pilot. The pilot may or may not take advantage of that capability, but it's always there.

Through the use of expansion units, it is possible to have up to 12 passengers connected to the system. They too can have "party line" access to the Bluetooth® enabled telephone without interfering with the crew.

TECHNICAL SPECIFICATIONS

Approval Basis	FAA TSO C35d, C50c EASA ETSO C50c, C35d
Certification Documents	RTCA/DO-214 RTCA/DO-143 RTCA/DO-160D RTCA/DO-178B DO-254
Intercom	6-place Stereo (8000D up to 14-place)
Transmitter Selections	3 (Com 1, Com 2, Com 3)
Receiver Inputs	6 (Nav 1, Nav 2, ADF, DME, MKR, AUX)
Marker Beacon	Internal
Unswitched Inputs	5 - including front panel jack
Power Requirements	11 to 33 VDC, 2.5 Amp
Output Power	Speaker Output: 3 Watts (14V), 10 Watts (28V) Headphones: 38 mW each headset, no clipping <1% distortion typical
Audio Frequency Response	± 3 dB, 300 Hz - 6000 Hz
Entertainment Frequency Response	± 3 dB 20 Hz - 18 kHz
Weight	1.85 lb.
Dimensions	Height: 1.3 in. (3.3 cm) Width: 6.25 in. (16.9 cm) Depth: 7.15 in. (18.16 cm)
Environmental Qualification	RTCA DO-160D, A1D1CABSMXXXXXZBABATBXXE2XXX
Temperature Range	-15° C to 55° C
Altitude	50,000 feet, non-pressurized area
Marker Receiver	75 MHz, Crystal Controlled
External Marker Outputs	Lights and MM sense output



PMA8000D-Pilot



PMA8000D-Copilot

WARRANTY

3-year Pro-Support exchange program, when installed by an authorized PS Engineering Dealer. After the warranty expires, a fixed repair fee will cover any repair. See Warranty Information in Installation manual.

ORDERING INFORMATION

PART NO.

- PMA8000C - Audio Panel, Marker Beacon, BlueTooth®, stereo intercom.....050-890-0303
- Same as above but with intercom expansion capability.....050-890-0313
- PMA8000D - Dual Audio Panel System with Digital Interface..... Call for Part Numbers
- 6-Channel Expansion Unit - For PMA8000D only 11636R