



The PMA8000G marks another major milestone in the company’s innovative history. This audio panel has significant advancement in audio panel technologies. It will fit pilots who expect more from their audio panel while not adding any additional workload or complex set of push button sequences. The PMA8000G is a natural choice for pilots who demand ease of use with a deep set of audio panel capabilities.

Introducing **flightmate**® the first system ever to be available in an audio selector panel. The pilot can create checklists, emergency procedures, just about anything that pilot can say, he can store into non-volatile memory, making those checklist chores a bit easier.

IntelliAudio® is another standard capability that will make listening to multiple radio calls manageable. With Com 1 in the 10 o’clock position and Com 2 in the 2 o’clock position, pilots can pay attention to the radio that is most important at any one instant of time.

Bluetooth® Interconnectivity allows the pilot to have access to his Bluetooth® enable telephone or entertainment device. The ability to contact ATC by way of the telephone with the engines running and radios tuned and set at an uncontrolled airfield makes getting into the air under IFR condition much easier.

Pilot programmable aural alert annunciations can be programmed right from the front panel of the audio panel while using the pilot’s headset microphone to record them. Now you can take up to 4 discrete inputs and have them associated with pre-recorded messages, making it easier to determine exactly what condition needs to be addressed.

And we have included a USB charging port that is rated at 10 watts. This charger provides enough power for iPads that are running the most demanding applications and still be trickle charging the iPad battery.

Finally, ease of use. We took a fresh approach to the user interface, making access to the advanced functions much easier than in past iteration of the PMA8000 series.

CHECKLIST OF CAPABILITIES:

- Com 1, Com 2, Nav 1, Nav 2 capability
- IntelliAudio® True Dimensional Sound gives Pilots the ability to discern important radio calls
- 6-Place hi-fi stereo IntelliVox® Intercom with Soft Mute™
- Bluetooth® enabled allows connection of iPhone, iPads and other PDAs for both music streaming and telephone.
- 3 - music mute modes: Mute On, Mute Off, Radio Mute
- **flightmate**®
- Cellular telephone input with front panel control of side tone
- Digital aircraft radio recorder (IRS™)
- USB Charging port with Auto-Protect, provides up to 10 Watts of power for iPhones, iPads and other PDA Accessories.
- Split mode for dual audio panel capability
- 2 - Differential, hi-fidelity stereo music source inputs (no ground loop noise)
- 3 - Isolation modes - Pilot Isolate, All, and Crew with “Alternate Intercom Mode”
- Selectable music distribution for Pilot, Copilot and passengers

TECHNICAL SPECIFICATIONS

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|----------------------------------|---------------------------------------------------------------------------------------------------------------------|
| 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 (8000E 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, unpressurized |
| Marker Receiver | 75 MHz, Crystal Controlled |
| External Marker Outputs | Lights and MM sense output |

ORDERING INFORMATION

PART NO.

PMA8000G Audio Panel with IntelliAudio®, 6-Place IntelliVox® stereo intercom, Bluetooth®, IntelliAudio®, and USB charger..... 050-890-0912
With BT Streaming..... 050-890-0913