

PMA6000 AUDIO SELECTOR—INTERCOM SYSTEM



PMA6000M Actual Size with silver trim

You might think that audio selector panels are a forgotten part of our avionics stacks. Even though they touch every part of our flying experience, they seem to be considered an afterthought.

At least until now.

With the re-engineered PMA6000 series, every detail has been addressed to integrate the audio control functions into a single package. A top-quality monoral intercom which is combined with a full featured audio selector panel, in a single box. Pin compatible with the popular KMA 24 reduces installation costs.

Because the intercom and audio selector are integrated together, PS Engineering was able to introduce revolutionary new features for general aviation. The Swap mode allows the pilot, through use of a yoke mounted switch, to change the selected transceiver without letting go of the controls.

The Split mode gives new flexibility to communications, by allowing the pilot and copilot to communicate simultaneously on two different radios.

The PMA6000- series incorporates a high-performance intercom system, which has pilot ISOLate, ALL and CREW modes. These three modes offer the perfect cabin conversation environment for the ever dynamic flight communications needs.

An optional 75 MHz Marker Beacon receiver completes the package, allowing this important IFR function to remain in the traditional location.

Dual entertainment inputs allow different music to be heard by the pilot, copilot and passengers. In crew mode, one source is routed to the front seats, and the other to the passengers. Rachmaninoff in front, Rock and Roll in back. PS Engineering's trademarked "Soft Mute™" assures uninterrupted aircraft radio reception.

PMA6000 FEATURES

- Third VHF transceiver
- Contemporary Styling (Silver ring available)
- 6-place Intercom
- Full featured Audio Selector Panel
- Swap Mode
- Split Mode
- Dual audio capability
- Marker Beacon Receiver (optional)
- Pin compatible with KMA24
- FAA Approved TSO-C50c and C-35d
- Dual music input
- Entertainment Muting Selection
- Isolate, Crew and All intercom modes
- No hassle 1 year warranty
- Fail-safe operation
- Optional digital aircraft recorder
- PTT-ICS capability

TECHNICAL SPECIFICATIONS

PMA6000 Intercom Modes

Mode	Pilot Hears	Copilot Hears	Passengers Hears	Comments
Isolate	A/C Radio (Pilot sidetone only during radio xmt)	Passengers Music #1	Copilot Passengers Music #1	This mode allows the pilot to communicate with the ground without the copilot or the passengers hearing the conversation. Copilot and passengers can continue to communicate with themselves.
All	A/C Radio Copilot Passengers Music #1	A/C Radio Pilot Passengers Music #1	Passengers A/C Radio Pilot, Copilot Music #1	This mode allows the pilot, the copilot and passengers to communicate with each other. All will hear aircraft radio. Music is muted (lowered in level) during intercom or radio communications. Music and intercom are disabled during radio transmissions.
Crew	A/C Radio Copilot Music #1	A/C Radio Pilot Music #1	Passengers Music #2	While in the Crew mode, the pilot and copilot are on one channel while the passengers are on a separate channel. Music #2 will mute during intercom communications (Music #2 does not mute in mono version).

The PMA6000 series has automatic dimming of the backlit switches. A fail-safe design connects the pilot directly to Com 1 if power to the unit is disrupted. A 2-color LED shows green when the unit is on, and turns red in transmit. This acts as a stuck mic indicator as well as a transmit indicator. This PS Engineering product is covered by a 1-year warranty, and backed by the ProSupport plan with flat fee repair for the lifetime of the product.

The PMA6000 series can also be ordered with a chrome ring around the bezel, to match Silver Crown avionics.

Model	Description
PMA6000	Audio Selector w/ 6-place intercom
PMA6000C	Same as PMA6000 with Com 3 capability
PMA6000M	Same as PMA6000 with Marker Receiver
PMA6000M-C	Same as PMA6000M with Com 3 capability
Option 001	Digital Aircraft Radio Recorder

Technical Specifications

Approval Basis	FAA-TSO C50c, C35d
Certification Documents	RTCA DO-160B, DO-178B, DO-143
Intercom	6-place
Transceivers	3 (Com 1, Com 2, Com 3)
Receiver Inputs	4 (Nav 1, Nav 2, ADF, DME)
Marker Beacon	Internal
Un-switched inputs	2
Power Required	11-33VDC, 1.5 A
Power consumption	Speaker on, 600mA typ. 1A peak Speaker off 350 mA
Output power: Speaker	3 W into 4Ω
Headphone:	50 mW into 150Ω, <1% THD 70 mW into 150Ω, <10% THD
Audio Frequency Response	±3dB, 350Hz-6,000Hz
Entertainment Frequency Response	±3dB, 200Hz-15,000 Hz
Weight	0.8 lb.
Dimensions	6.25" W x 1.3" H x 6.8" deep behind instrument panel
Environmental Conditions	DO-160B A1D1/CAMXXXXXXBBBBAAAX
Temperature Range	-20 C to +55 , with brief operation at +70 C
Altitude	50,000 feet, unpressurized
Marker Receiver	75 MHz crystal controlled receiver External marker lights and MM sense output

Specifications subject to change without notice.

For warranty purposes, this equipment must be installed by an authorized PS Engineering dealer.

PS Engineering makes no express or implied warranties regarding the suitability of the split mode in all aircraft and avionics configurations.

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Manufactured in U.S.A.