

## Panel Mount Intercom for Noisy Aircraft

PS Engineering, Inc. has been designing and manufacturing aircraft intercoms since 1985. We have led the audio control marketplace with innovations, quality manufacturing, and economically priced intercom solutions, making PS Engineering a natural choice for anyone that values sound quality.

We contribute our success to our understanding of what it is like in the cockpit. We have had first hand experience in the loudest cockpits such as the P-51, PV-2, B-17, T-6, T-28, Pitts S2B, Stearmans, and experimental aircraft too. We know it can be a very difficult place to communicate, and how important clear communications is to safe flight.

That's why we have invented AMP (Active Microphone Processor). Coupled with our patented IntelliVox system, this system dynamically controls the engine background noise that is picked up by the microphone. AMP significantly increases the intelligibility in an otherwise impossible environment.

The PM1200 has more capability than any other aircraft intercom that we know of. With a powerful output amplifier, it packs a whopping 120mW into 150 ohms headsets (28 Vdc systems). This allows pilots the option to wear earplugs while wearing headsets. This combination considerably decreases the amount of noise that the individual is subjected to. The PM1200 will do a marvelous job in this area.

And for pilots who prefer the Push To Talk (PTT) type of intercom (ICS), a simple push of the copilot volume control knob changes the system from our IntelliVox control (completely automatic VOX system) to manual push to talk button control.

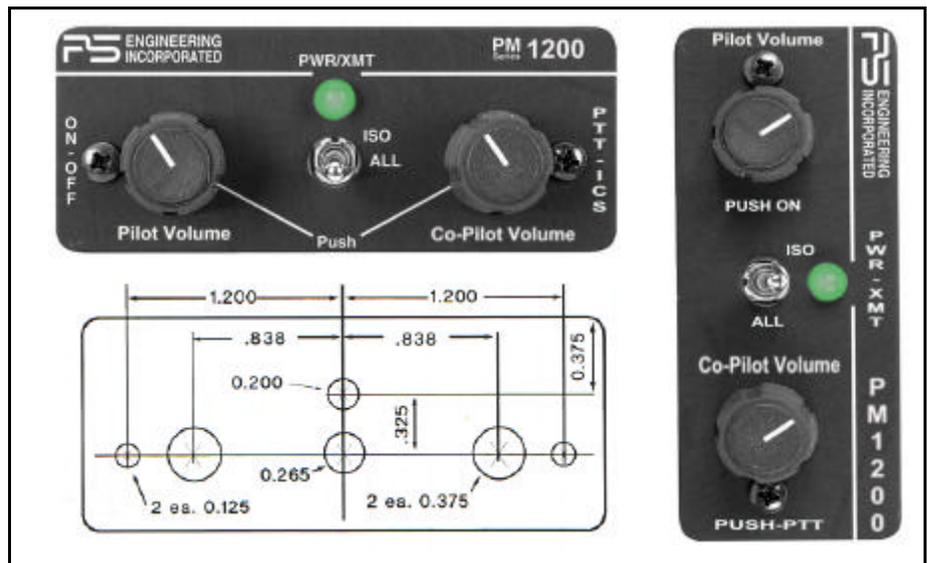
The PM1200 can be purchased in a version that can be mounted blindly, allowing the owners of vintage warbirds or antique aircraft

to keep their aircraft panels original. Controls from the intercom can be installed in the original control boxes.

So, if you have an airplane that hasn't been tamed yet for your cockpit communication, you can

count on the years of experience that PS Engineering has gained, to assure you're the very best in cockpit communications.

Sound Quality, Sound Engineering, it's what we do.



### TECHNICAL SPECIFICATIONS

|  |                                       |
|--|---------------------------------------|
| <b>Input Power:</b> 12 – 28 Vdc                                    | <b>Current Drain:</b> <200mA          |
| <b>Headphone Imped:</b> 150 – 600 ohms                             | <b>Audio Distortion:</b> <10% THD     |
| <b>Music Input voltage:</b> > 1 Volt P-P                           | <b>Net Weight:</b> 12 Ounces          |
| <b>Dimension:</b> 1.25" X 3.00" X 5.50"                            | <b>Aircraft Radio Imped:</b> 510 ohms |
| <b>3dB Microphone Frequency Response:</b> Non-specified            |                                       |
| <b>3dB Music Frequency Response:</b> 200 Hz – 15 KHz               |                                       |
| <b>Warranty:</b> 1 year when installed by a PS Engineering dealer. |                                       |

### ORDERING INFORMATION

**PM1200 2 – Place Panel Panel Mount** **P/N 11960**  
Provides completely handsfree VOX operation or PTT-ICS capability. Pilot Isolate and All capability. Music input with muting. Pin compatible to PM1000II series intercom.

**PM1200 Remote Mount Blind Mount** **P/N 11961**  
Same as above but unit is mounted blindly, with all controls mounted remotely, keeping aircraft looking original.