

aerocom III^(R)

2-PLACE STEREO PORTABLE INTERCOM

The aerocom III from PS Engineering

The intelligent choice

After a decade there is finally another portable intercom good enough to bear the PS Engineering name. The aerocom III is the only portable intercom with *IntelliVox* (R), a completely automatic VOX squelch. This is the same intercom VOX squelch used in the top-of-the line PMA7000 audio panel.

Clear cockpit communication is as easy as a casual conversation with the aerocom III. No more fiddling with knobs.

No more clipped words. Since the squelch processor is constantly monitoring each microphone, and adjusting the threshold for the ambient noise, you needn't reach for the intercom as you change power settings.

No more headset swapping and matching. Because each microphone is handled independently, any combination of aviation headsets will work with the aerocom III.

Either a 9-volt battery or aircraft power powers this 2-place intercom. A single 9-volt battery provides 10 hours of use. When the battery is nearing the end of its life, a gentle beep in the headset will remind the user that it is time for a change.

IntelliVox(R) is what makes the aerocom III so remarkable. By harnessing the power of microprocessor electronics, each microphone can compute the difference between speech and cabin noise. It opens instantly when somebody talks. Since each microphone has its own processor circuits, only the microphone spoken into is active. This prevents unwanted background noise from entering the audio system.

By using external push-to-talk buttons (not included), both the pilot



the person pushing their push to talk button will be heard, however.

The aerocom III will route stereo music to the headsets through the optional music cable. The music automatically mutes when there is intercom activity or radio traffic.

The aerocom III is expandable to 4-places with the aerocom EX expansion unit. This contains separate music input, it's own *IntelliVox*(R) processors and independent volume control.

There are two modes controlled by a top-mounted switch. In "ALL" mode, both positions hear radio communications, music, and have intercom capability. In the "ISO" mode, only the pilot side is connected to the aircraft radios, without intercom or music distractions. The copilot position continues to have

and copilot positions have the ability to transmit over the aircraft radio. Only

music, and intercom communications with an aerocom EX, if installed.

Specifications

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| Size: | 4.375" L x 3.250" W x 1.500" h |
| Weight: | 10 Oz. |
| Power: | 9-volt battery or 12/24 V aircraft power |
| Battery Life: | Approximately 10 hours |
| Headphone output: | 40 mW per channel into 150Ω, < 1% THD |
| ±3 dB mic frequency range: | 350 Hz to 4500 (to reduce noise) |
| ±3 dB music frequency range: | 180 Hz to 15,000 Hz |