

OEM 200 Intercom and Expansion Module

Operational Guide

1.0 Introduction

In this rapidly changing world of electronics, our industry is being bombarded by new innovative features from flat screen monitors to digitally enhanced audio systems. Our latest products, headsets and intercoms, have had a cell phone interface added so that you can communicate on the ground using your headset or have your cell phone as a back-up for a radio failure.

Before going on and reading this guide, we would recommend that you register your purchase by completion of the warranty card provided with the intercom. We hope that our intercom will enhance your flying experience for many years to come.

1.1 Features

- Portable & Compact
- Pilot & Co-Pilot Volume Controls
- Adjustable Squelch Circuit
- Portable Push-To-Talk Switch
- Fail Safe Mode
- Easy Battery Access
- Powered by 9V Battery
- 25-30 Hours Battery Life
- Expandable to 4 Stations (PA-200EXP)

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1.2 Off/On Power

The intercom is turned on by turning the system's volume control clockwise. The control has a definite "click" when it is turned On or Off. The pilot's headset must be plugged in for the intercom to function properly. Your intercom is also equipped with a Power Off Circuit. If the Pilot's headphone plug is disengaged from the jack, the intercom will power off.

1.3 Pilot/Co-Pilot Volume Control

The intercoms volume is increased by turning the volume control clockwise. Decrease the volume by turning the control counter-clockwise. This control regulates the volume heard by the pilot and co-pilot. The co-pilot position on the intercom will not function unless the pilot's headphone plug is engaged on the pilot's side of the intercom. Many pilots in order to remember turning the intercom off, add a "Power Off Intercom" instruction to their aircraft's checklist.

1.4 Squelch Setting (SQ)

The sensitivity of the squelch is controlled by turning the control clockwise (increasing mic sensitivity) or by turning the control counter-

clockwise (decreasing mic sensitivity). The squelch can be adjusted to meet even the most extreme noise levels of aircraft noise. Setting the squelch properly allows the intercom to be active only when someone speaks into their headset microphone. The intercom will become inactive as soon as they stop speaking. In this manner all extraneous noise in the cockpit is not heard over the microphone.

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2.0 Fail-Safe Feature

All OEM 200 models of intercoms are equipped with the Fail-Safe feature. This means if your battery fails, you will still be able to hear ATC transmission but the level of volume will be reduced. As long as the intercom is turned On, you will hear ATC transmission through the intercom system.

2.1 PTT / Y-Adapter

Up to 2 portable PTT switches can be used with the unit. The Pilot and Co-Pilot can connect a portable PTT switch by connecting the portable PTT to microphone jack in the Y-adapter. The Y-adapter plugs directly into the aircraft's microphone jack. The PTT is used to transmit over the radio to ATC. The PTT can also be connected, in the conventional way, in series with your headset and your intercom jacks.

2.2 Battery Power

We recommend using one 9V alkaline battery to operate your intercom. The intercom will operate on one battery for approximately 25-30 hours of maintenance free use. We recommend that you keep a log of when your battery was installed so that you have a good idea when it should be replaced.

2.3 Expansion Module (OEM EXP)

There is a module available that will allow your OEM 200 intercom to be converted to a 4-place intercom. It comes with an expansion box and cord that plugs directly into the jack labeled Passengers on the OEM intercom. When using the expansion module, it is recommended a 2nd 9V battery be inserted in the expansion module.

2.5 Warranty Service

If your unit requires service we recommend you send it directly to Pilot USA Inc. so that repair or replacement can be expedited. Please remember you are sending us an electronic component and package the unit appropriately. We recommend UPS or US Priority Mail. Please ship prepaid and enclose \$12.00 for shipping & handling.

2.6 Technical Specifications

Power: 1 alkaline 9V Batteries

Current Drain: Leakage 0 mA standby; 10 mA in use

Dynamic Response: 500mS (VOX controlled) off
12 mS (VOX controlled) on

Volume Control: 35 dB

Battery Lifetime: 25-30 Hours of use

Headphone Interface: PJ-055B, (M642/4-1_MIL-P-642

Microphone Interface: PJ-068 (M642/5-1) MIL-P-642

Cell Phone Interface: 2.5mm Plug

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