

# PA-200T

## 200 Series Intercoms

### Operational Guide

**“Portable 2-Station VOX Minicom – World’s Smallest Portable Intercom”**

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#### Welcome to the World of Clear Communications

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 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. We hope that our intercom will enhance your flying experience for many years to come. If you have any questions after reading this manual, please do not hesitate to contact us: Toll Free: 888-GO-PILOT or Tel: 949-748-8880.

## PA-200T Intercom Features

- Portable and Compact
- Cell/Satellite Phone Interface
- Pilot and Co-Pilot Volume Controls
- Adjustable Squelch Circuit
- Portable Push-To-Talk Switch (Sold Separately)
- Fail-Safe Mode
- Easy Battery Access
- Powered By 9V Alkaline Battery
- 25 – 30 Hours Battery Life
- **Expandable to 4 Stations (PA-200E Expansion Module)**

### 2.0 Off/On Power

The intercom is turned on by turning the Pilot's volume control clockwise. The control has a definite click when it is turned on or off. In order to remember to turn the intercom off, many Pilots add a 'Power Off Intercom' instruction to their aircraft checklist.

### 2.1 Pilot / Co-Pilot Volume Control

Volume is increased by turning the volume control clockwise. Decrease the volume by turning the control counterclockwise. 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.

### 2.2 Squelch (SQL) Setting

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

### 2.3 Cell Phone

Our latest modification to our proven intercom is the addition of a cell phone jack. This will allow the pilot to use their cell phone through the intercom while still wearing a headset. This feature also provides the Pilot with a back-up for the aircraft radio should the radio have a malfunction. Your intercom comes with one cord fitted with a 2.5mm plug on one end and a 3.5mm plug on the opposite end. The 3.5mm plug at the end of the cord is plugged into the jack marked CELL PHONE. The 2.5mm plug end is then plugged into your cell phone. Your cell phone may require a cell phone adapter which can be purchased at a local electronics store. If the Pilot does not want the Co-Pilot to hear the cell phone conversation, the squelch needs to be turned all the way counterclockwise. The Pilot can then talk in a low voice and the Co-Pilot will not hear because the Co-Pilot's headset will block out any noise or conversation. Air Traffic Control will always be more intelligible (louder) than music or incoming cell phone conversation allowing the Pilot to always hear ATC transmissions.

### 2.4 Fail-Safe Feature

All 200 series intercoms are equipped with a Fail-Safe feature. This means if your batteries fail, 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.

### 3.0 PTT / Y-Adapter Set-Up

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

### 3.1 Battery Power

We recommend using one 9V alkaline battery to operate your intercom. The intercom can 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.

### 3.2 Expansion Module (PA-200E)

An Expansion Module is available that will allow your PA-200T to be converted to a 4-place intercom. It includes the expansion box and cord that plugs directly into the jack labeled Passengers on the PA-200T intercom.

### 3.3 Warranty Service

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

### 3.4 Technical Specifications

Power: 1 Alkaline 9V Battery

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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