

# PILOT PA-200TA24 Cell Phone Capable, Intercom for ICOM®A6, A24 Transceiver

## 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. Some of 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. The PA-200TA24 is one of those new products. The PA-200TA24 intercom plugs directly into the ICOM® A6 or A24 transceiver.

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. If you have any questions after reading this manual, please do not hesitate to contact us on 1-714-731-0790.

### 1.1 Features

- Portable & Compact – Plugs directly into ICOM® A6 or A24 radio
- Pilot & Co-Pilot Volume Control
- Adjustable Squelch Circuit
- Cell Phone Capability
- Portable Push-To-Talk Switch
- Fail Safe Mode
- Easy Battery Access
- Powered by 9V Battery
- 25-30 Hours Battery Life

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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.

## PILOT PA-200TA24 Cell Phone Capable, for ICOM®A6, A24 Transceiver

### 2.0 Cell Phone Capability

Our latest enhancement to this proven intercom is the addition of cell phone cord with jack. This will allow the pilot to use their cell phone though the intercom while still wearing a headset. Some cell phones may require an adapter which can be purchased at most electronic stores. This cell phone feature also provides the pilot with a back-up for the aircraft radio in case of a malfunction. Some earlier PA-200A23 models may also have had the cell phone feature.

The 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 their co-pilot will not hear them 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.

### 2.1 Fail-Safe Feature

The PILOT PA-200A24 intercoms are equipped with a 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 in turned On, you will hear ATC transmission through the intercom system.

### 2.2 Portable PTT

Included with your intercom is a Portable PTT switch. The PTT is used to transmit over the radio to ATC. The PTT is plugged into the intercom in the jack marked PTT located directly under the Squelch.

### 2.3 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.

### 2.4 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.

### 2.5 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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