

# PILOT PA200 - PA200IC - PA200IK - PA200A23 - PA200A24 OPERATING INSTRUCTIONS



## PA200 Intercom

Welcome to the world of clear communications. The PA200 Intercom is the world's smallest portable 2-station, voice activated intercom. Its wide appeal is the unit's simplicity.

To get started you will need to install one alkaline 9 volt battery. Access the battery compartment by applying slight downward pressure and slide the battery cover. The battery has an approximate life of 25 hours. It is a good idea to keep track of your battery use in your log book.

The unit has one volume control which controls the pilots and co-pilots audio signal, an easily adjusted squelch knob (turn clockwise for more sensitivity) and a Y-adapter plug which the pilot and co-pilot can plug a portable push-to-talk (PTT) switch in to. If you are using a built in PTT which is installed on the pilots yoke, a portable PTT is not required for the pilot.

The PA200 is equipped with a Fail-Safe feature so that in the event of battery failure, you will still be able to hear ATC control through the intercom so long as the unit is turned on. The PA200 Intercom has a Three Year Unconditional Warranty.

## The PA200 has some variations to the basic model:

**The PA200-IK** was designed for users of the ICOM A22, A3 and the Bendix-King KX-99. The intercom has an inset slide switch on the top of the unit which allows the user to set the intercom for use with the A22 or the KX-99. Because of the different pin-out set-up of the ICOM and Bendix-King, the slide switch must be set correctly in order for the radios to work properly.

**The PA200-IC** was designed for users of the ICOM A2, A20 and A21 radios. It will not work with the newer ICOM radios.

**The PA200-A23** is also available for the ICOM A23 radio.

**The PA200-A24** is also available for the ICOM A6 and A24 radios.

**The PA200T** is our latest enhancement to our proven intercom which is the addition of cell phone cord with jack. This will allow the pilot to use their cell phone through the intercom while still wearing a headset. Some cell phones may require an adapter which can be purchased at most phone stores. This cell phone feature also provides the pilot with a back-up for the aircraft radio in case of the malfunction. 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 is plugged into the jack marked cell phone. The 2.5mm plug is then plugged into your cell phone. If the pilot does not want the co-pilot to head the conversation, the squelch needs to be turned all the way counter-clockwise.

Before using your intercom in your aircraft, we recommend that you take it for a check-ride in your home and become familiar with its functions.

The PA200 will enhance your flying experiences for many years to come.

## PA200 Technical Specification

Power: 1 internal alkaline 9 volt battery (not included)

Dynamic Response: 500 ms (VOX controlled on)

Frequency Response: 50-6000 Hz

Volume Control: 35dB

Battery Lifetime: 25 hours (approx)

Headphone Interface: PJ-055B (M642/4-1) MIL-P-642

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

## Off/On Power

The intercom is turned on by plugging the headphone plug of the pilots headset into the female jack.

## Squelch Setting (Voice Activation)

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 levels of aircraft noise. Setting the squelch properly allows the intercom to be active only when someone speaks into their headsets 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 microphones.

## Battery Power

We recommend using one alkaline 9 volt battery. The intercom will operate on one battery for approximately 25 hours of maintenance free use. You should keep a log of when your battery was installed so that you have a good idea of when it should be replaced, so as not to be inconvenienced during a flight.

## Volume Control

The volume control also serves as the On/Off power switch. You increase the volume control by turning the control clockwise. Decrease the volume by turning the control counter-clockwise.

## Failsafe Feature

The PA200 intercom is equipped with a Failsafe feature. This means if your batteries fail, you will still be able to hear ATC transmission but the level of audio volume will be reduced.

## Push-To-Talk Connection (Y-Adapter Plug)

The pilot and co-pilot can connect a portable push-to-talk switch by inserting the push-to-talk microphone plug into the jack at the back on the Y-Adapter plug. The Y-Adapter is clearly marked which jack is for the pilot and which is for the co-pilot. Most push-to-talk switches are equipped with a microphone jack which is not used when using the PA200 intercom.

## Warranty Service

If your intercom requires service we recommend you send it directly to Pilot Communications Europe Ltd so that the repair or replacement can be expedited. Your unit is covered by a Three Year Unconditional Warranty that is one of the best in the aviation industry. We recommend sending the unit by Special Delivery. Be sure to pack the intercom in bubble wrap or some other form of protection. Include your return address in the package and please try and state the problem you are encountering.

**Please complete the online warranty form to register your product.**

**Go to: [www.pilot-europe.com/warranty](http://www.pilot-europe.com/warranty)**

**Pilot Communications Europe Ltd**

Web: [www.pilot-europe.com](http://www.pilot-europe.com)

Email: [info@pilot-europe.com](mailto:info@pilot-europe.com)