

# PA-8000 Gemini Series I “Self-Contained Communications”

## **Operating Instructions**

The PILOT Gemini System has been designed for use in those aircraft where there is no power for a radio and intercom and where noise attenuation and microphone noise cancellation are primary concerns. The Gemini System provides for both clear pilot and co-pilot communications.

The Gemini System is built to exacting standards. The system offers the users the very latest in technology in a product intended to provide many years of reliable service. The system is intended to simplify considerably the configuration and operation of intercommunication equipment in an aircraft. Designed around the self-contained headset assembly, all external extraneous wiring and intercoms units have been eliminated, creating an innovative system of unparalleled convenience. The standard Gemini System includes the Control and Secondary Headset. You can also link a 3<sup>rd</sup> and 4<sup>th</sup> Secondary headset as required.

## **Control Headset**

The Gemini PA-8000 is one of the world's first systems to incorporate both the electronics and power supply necessary to enable audio intercommunication. The Control unit houses the built-in intercom while the Secondary headset houses the 9V battery. The control headset can also be used solo as a standard headset when not linked to its' Secondary (PA-8000S) headset. It is fitted with a standard dual plug comm-cord.

## **Volume-On/Off Control**

Both the Control and Secondary headsets are fitted with a volume control allowing the speaker output in each headset to be increased or decreased independently. The volume control knob on the Control Headset serves a dual purpose – On/Off switch for system intercom and volume control. It is located on the non-boom side of the headset directly above the Push-To-Talk Button. On the Secondary Headset, the volume control is located on the boom side.

## **Squelch Adjustment**

Correct setting of this control is important in order to minimize the amount of extraneous background noise reaching your ears through the microphone. The squelch adjustment is located on the boom side of the Control Headset. To increase sensitivity of the microphone, turn the knob clockwise.

## **Push-to-Talk Button**

Users of the Gemini System can communicate over the radio with ATC by pressing the Push-To-Talk button located on the non-boom side of the Control and Secondary headsets. The PTT is not necessary to talk to one another.

## **Secondary Headset (Battery Compartment)**

The battery compartment is located in the Secondary Headset. You will need to remove the snap-in ear seal from the non-boom side to gain access to the battery. You can do this by positioning your fingers inside the hole of the ear seal near the top, and with firm outward pressure unsnap the ear seal. This may be somewhat awkward the first time you unsnap the ear seal but will become very easy once you have performed this task for the first few times.

The Control and Secondary headsets are connected with one another by a coiled cord with a connector on each end. The connectors are keyed so the plug can only be inserted the proper way. The cord in its standard configuration is for side by side seating. If you will be using the system in a tandem configuration, you can contact us and we will exchange your cord for a longer cord (PA-8000LC) for the cost of shipping.

We suggest before you try your new Gemini System in an aircraft that you become familiar with the headsets and learn the features and capabilities of the system. You should practice adjusting the squelch and become accustomed to the positioning of the various control knobs and buttons.