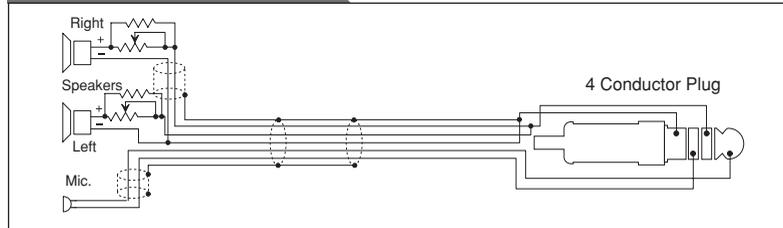**Maintenance and Support**

Ear seal replacement is recommended annually or on an as needed basis.

Please contact Flightcom Corporation at 800-432-4342 for warranty or repair services to request a Return Material Authorization (RMA) number.

Specifications

Microphone	M87 dynamic MIC
Speakers	16 ohm
Plug	U-174/U plug, 4 conductor
Cord	Shielded coil cord, plug molding resistant to 10 kg pull force
Ear Seals	Protein leather covered, dual density foam
Headpad	Washable fleece comfort headpad
Color	Tan domes, chrome-steel headband and stirrups
Volume Control	Mono headset, dual-volume controls
Battery Operation	25mA max (ANR-ON) at 3.0V input 50mA max (ANR-ON) at 1.6V input
Operating Battery Voltage	1.2 - 3.00 VDC
Battery Power Source	Two AA cell batteries
Operating Temperature	-15 to 70 °C
Battery Life	50 Hr average for standard alkaline-zinc batteries
Battery Box Size	1.65" x 4.2" x1.0"
Warranty	Two-year warranty
NSN Number	5965-01-521-3223

Wiring Diagram

Two-Year Limited Warranty to Original Purchaser

Flightcom Corporation warrants to the original purchaser of this product that it will be free from defects in materials and workmanship, under normal and proper use, for the period of two years from date of purchase. Flightcom Corporation will repair or replace, at its sole option, any parts showing factory defects during this warranty period, subject to the following provisions. This warranty applies only to a new product, which has been sold through authorized channels of distribution and registered for warranty. All work under warranty must be performed by Flightcom Corporation. All returned products must be shipped to our address and freight prepaid. The purchaser voids this warranty if he, she or others attempt to repair, service or alter the product in any way. This warranty does not apply in the event of accident, abuse, improper installation, unauthorized repair, tampering, modification, fire, flood, collision or other damage from external sources, including damage which is caused by user replaceable parts (leaking batteries, etc.). This warranty does not extend to any other equipment or aircraft to which this product may be attached or connected. The foregoing is your sole remedy for failure in service or defect. Flightcom Corporation shall not be liable under this or any implied warranty for incidental or consequential damages, nor for any installation or removal costs or other service fees. This warranty is in lieu of all other warranties, express or implied, including the warranty of merchantability or fitness for use, which are hereby excluded. To the extent that this exclusion is not legally enforceable, the duration of such implied warranties shall be limited to two years from date of purchase. No suit for breach of express or implied warranty may be brought after two years from date of purchase.

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E-13 ANR Military Headset

User Guide for Active Noise Reduction Model

Aircrew/Maintenance

NSN 5965-01-521-3223
GSA schedule GS-07F-0374M
2006 Outstanding Contractor

Fitting Instructions

Properly fitting Flightcom's E-13 ANR headset to each user's head is crucial to proper performance. The headpad should fit comfortably on top of the head without a gap or space between the head and headpad. The headset should be centered on the head and the ear seals should comfortably cover the ears without being placed too far forward on the jawbone or face.

• The mic boom may be worn on the left or right side of the head. When switching between right and left dress, rotate the mic boom in an upward direction as shown in the diagram. Rotating the mic boom in the wrong direction may damage the boom or wiring.

• The mic should be no more than 1/8" from mouth to ensure clarity and peak performance of the noise canceling mic.

• To increase the size of the headset, slide the domes in a downward direction. To decrease the size of the headset, slide the domes in an upward direction.

• Volume control is provided for each ear dome.

Installation

• Insert the headset plug into your aircraft comm panel jack.

• Volume controls are located on each ear dome. Adjust to the desired volume level on each dome. Note: the ear dome volume control does not affect the volume of auxiliary listening or cellphone devices.

• Reduce volume on aircraft interphone system before engaging the ANR circuit. Aircraft interphone volume can be adjusted to a comfortable level after the ANR circuit has been activated.

Battery Box

The battery box uses two AA batteries to supply power to the headset's ANR circuit. The battery box also contains additional ports for cellphone and auxiliary listening devices.

Power On
To turn the ANR power on, depress the "power" button located on the top of the battery box for two to three seconds. The ANR power will be active immediately, while simultaneously checking the battery voltage. The battery check first illuminates the bottom yellow LED and then gradually builds through the green LEDs. The number of green LEDs lit will be proportionate to the remaining battery life. Four LED lights indicate full battery voltage capacity. As the battery voltage decreases, so does the number of LEDs lit. If the yellow LED is continuously illuminated, the batteries will need to be replaced. If the batteries are not replaced, the unit will automatically shut off when voltage has dropped below 1.2V.

Power Off
To turn the ANR power off, depress the "power" button located on the top of the battery box for two to three seconds. Three quick flashes of the yellow LED will illuminate until the power is shut off. Once the ANR power is off, the unit will continue to monitor for low battery voltage and will illuminate the yellow LED if the battery voltage falls below 1.6 volts.

Replacing the Batteries
To install or replace the AA batteries, open the battery box door by pushing down on the battery release, located next to the belt clip. While pushing down on the battery release, simultaneously slide the battery compartment door toward you. The compartment door stops halfway and is not intended to be removed. Do not attempt to remove the door completely from the unit. Place the AA batteries in the box and slide the unit's door away from you until the door snaps into place.

Battery life is dependent on the ambient noise in the aircraft, but it should provide an average of 50 hours continuous use for standard alkaline-zinc batteries.

Caution: Leaving the batteries installed in the battery box when the headset is not in use for extended periods may result in battery leakage and non-warranty damage to the headset. Flightcom suggests using only high quality batteries for longer life and reduced risk of leakage.

Battery check LEDs — Power button — Cellphone jack — Auxiliary jack — Belt clip — Battery release — Battery compartment door

Auxiliary-In Audio Jack
The full stereo auxiliary-in audio jack is enabled when ANR power is activated. Follow "Power On/Power Off" instructions in this manual to turn on system power.

An auxiliary audio jack interface cable is provided with your headset. Plug the cable into the "AUX" battery box jack and connect the plug to your playback device. Please note the volume control on the headset does not affect any auxiliary device. Volume must be set to the appropriate level on the device.

Cellphone Interface Jack
The cellphone interface jack is enabled when the system power is activated. Follow "Power On/Power Off" instructions in this manual to turn on system power.

A 6' standard 2.5 mm, 3-conductor audio cable is provided with your headset. Please note that if your cellphone is not equipped with a standard 2.5 mm, 3-conductor headset jack, you will need to purchase an adapter. You may need to check with the original cellphone manufacturer or wireless system provider for the appropriate adapter.

To activate your cellphone, plug the cable into the "CELL" battery box jack and plug the other end of the cable into the headset jack on your cellphone. Please note the volume control on the headset does not affect the cellphone. Volume must be set to the appropriate level on the device.

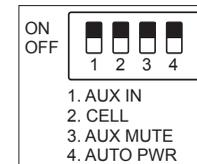**Sure Power System™ (SPS)**
To conserve battery life, the E-13 ANR will automatically shut off the system power if no audio signal is sensed by the headset for a period of 15 minutes or the headset is stored in a quiet location for more than 15 minutes. To turn the system power back on, depress the "power" button located on the top of the battery box for two to three seconds after which ANR power will be turned on, accompanied by a simultaneous battery check.

DIP Switch
The battery box DIP switches enable or disable the following features:

Position 1: AUX Enable
Position 2: CELL Enable
Position 3: AUX Mute on CELL enable
Position 4: Auto Power Off (Sure Power System)

ON OFF 1 2 3 4
1. AUX IN
2. CELL
3. AUX MUTE
4. AUTO PWR

All battery box features are enabled when you receive the headset from Flightcom. To disable any of the factory default settings, you will need to access the DIP switches, located in the battery box.

To access the DIP switches, open the battery compartment door by pushing down on the battery release located next to the belt clip. While pushing down on the battery release, simultaneously slide the unit's battery compartment door toward you. Remove the AA batteries and set aside. A descriptive DIP switch label is visible once the batteries have been removed.

Using a small screwdriver or slender tool, gently pull the edge of the label toward you until you can see the DIP switches. To enable the feature, using your tool, push the switch into the "up" position. Push the switch in the "down" position to disable the feature. Once you have completed enabling or disabling the feature, push the label back into its original position and place the AA batteries in the box. Slide the unit's door away from you until the door snaps into place.

LED Light
A NVIS friendly, dome mounted Pelican light is provided with your headset. Please see the enclosed Pelican user manual for operating, maintenance and warranty instructions.

Troubleshooting

Audio Feedback
• Be sure to maintain good ear seal fit against the head on both sides.

• The electronics and acoustical cavity of the ear cup are tuned to the characteristics of the ear seals and we recommend that you only use Flightcom replacement parts when performing hygiene maintenance. Installing incorrect ear seals may result in improper fit and potentially poor ANR performance.

Intercom volume too loud (or soft) in one ear dome
• Adjust volume knob on each ear dome to achieve comfortable volume balance.

Caution: Inside each ear cup of your headset, you will notice an oval fabric piece. This is intended to prevent debris from entering the speaker element and to help ensure proper headset performance. Do not operate the ANR function without these fabric pieces in place.