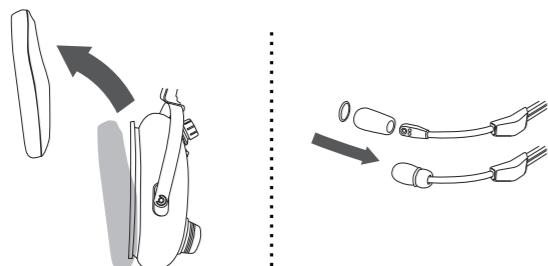


## MAINTENANCE

### Care and Maintenance

- Inspect ear seals and mic muff frequently for wear. Replace at 6 month intervals. If you see any defect such as holes or cracks in the ear domes, ear seals, or headband, headset should be immediately repaired or replaced.
- Do not remove the foam speaker cover.
- To ensure proper function, keep the microphone away from excessive moisture. Do not store headset in high temperature environments or direct sunlight.
- Wipe headset and ear seals with a mild soap and water mixture only. The foam mic muff may be removed and cleaned in a mild detergent, or replaced by ordering from Flightcom.



To Order Flightcom Accessories:  
Call: 1-800-432-4342

## 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

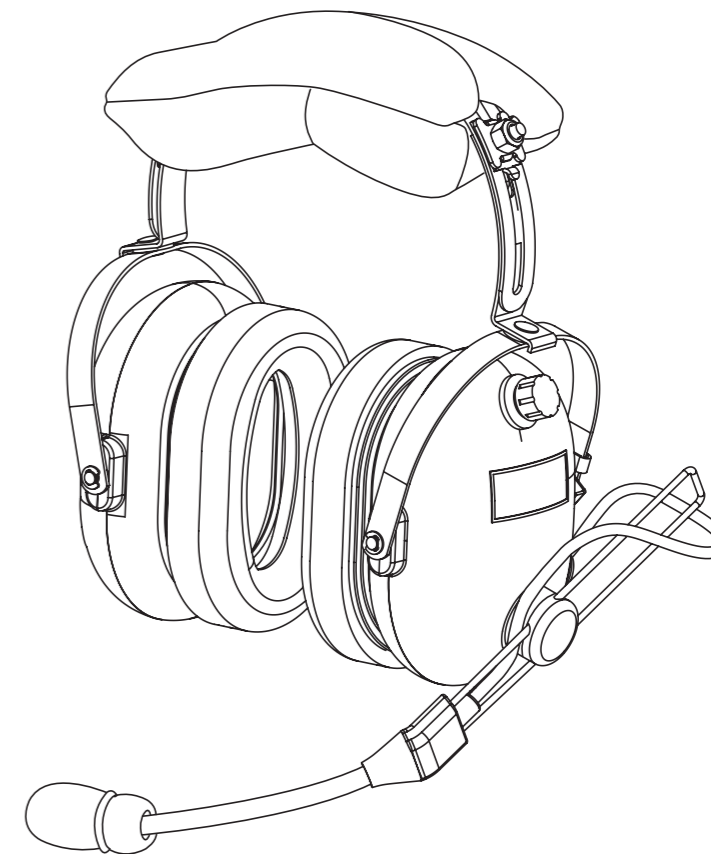
- Adjust volume knob on each ear dome to achieve comfortable volume balance.

**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.

# FLIGHTCOM VENTURE™

## GENERAL AVIATION V90ANR HEADSET

### Operation Manual



### Flightcom Corporation

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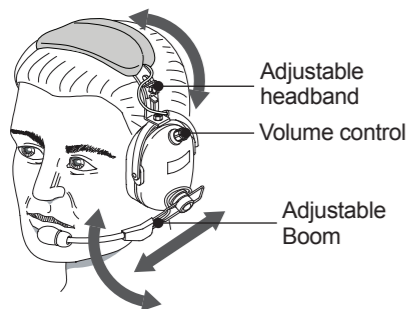
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P/N: 600-3040-00 Rev. B

General Aviation



## HEADSET ADJUSTMENTS



**Mic Placement**  
Place mic no more than 1/8" from lips. Placement of mic is critical for proper operation of intercom and radio communication.

## 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 lit LEDs 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. The ANR function, cell phone and auxiliary jacks will no longer work.

### Power Off

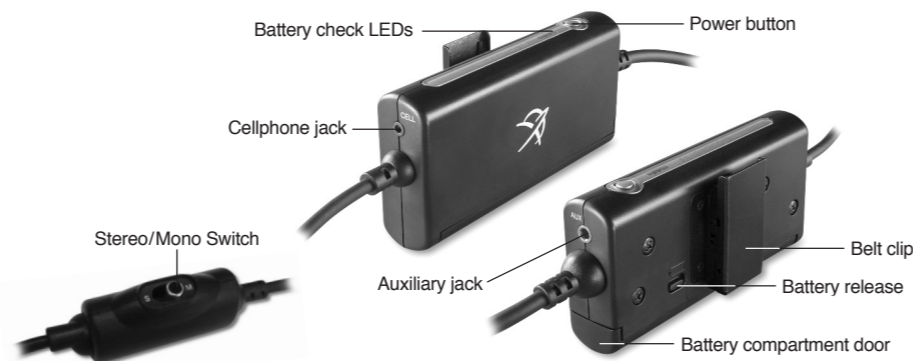
To turn the ANR power off, depress the "power" button located on the top of the battery box for two to three seconds. Three quick flashes of the yellow LED will illuminate until the power is shut off. Once the ANR power is off, the unit will continue to monitor for low battery voltage and will illuminate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



### 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.

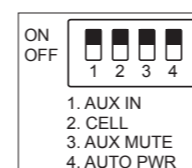
### Sure Power System™ (SPS)

To conserve battery life, the V90 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)



All battery box features are enabled at the factory. To disable any of the factory default settings, 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 a 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 until it snaps into place.

## HEADSET FEATURES

- Active Noise Reduction
- Stereo/Mono switchable
- Noise-canceling electret microphone
- Adjustable Headband
- Flexible mic boom with slide adjustment for accurate mic positioning

## SPECIFICATIONS

### TECHNICAL SPEC

- Weight ..... 16.8 Oz (w/o Comm Cable)

### MICROPHONE

- DC Bias Supply ..... 8 to 16 volts, not polarity sensitive  
- Source Resistance ..... 220 to 2200 ohms

### MIL SPEC

- Humidity & Temperature per MIL-STD 810F and 810G  
- Chemical Exposure per MIL-STD 810F and 810G

### SAE

- Salt Spray per J1455, Sec. 4.3

## WIRING DIAGRAM

### Caution:

Bias voltage supplied to the microphone must come from voltage and resistance ranges specified above. Voltages supplied in excess of those stated in the specifications can cause microphone failure and void warranty. The mic audio signal is present between the ring and barrel of the mic plug; tip is reserved for transmit keyline.

