

WARRANTY:

Quiet Technologies UltraFlite headsets are warranted for a period of one (1) year from the date of purchase. The warranty applies to workmanship and includes parts and labor. Quiet Technologies will not honor claims when the unit has been mishandled abused or otherwise show signs of physical abuse.

Headsets must be returned with a prior RMA number from Quiet Technologies customer service. RMA numbers may be obtained by calling (601) 316-7160 Monday through Friday 9:00—4:00 pm CST.

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Manufactured in the United States of America
From parts around the world
US and Foreign Patents by Hearing Components, Inc.
4,880,076 and 5,002,151. Other patents applied for or
pending.

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Quiet (((
Technologies.com

Owner and Operations Manual

AuriComm™ Aviation Headsets



Please read before flight

Quiet (((
Technologies.com

WARNING !

- **Speakers can produce hazardous sound pressures to the ear.** Be careful to turn the volume down BEFORE turning on communication equipment.
- **Use these headphones safely.** Improper use could result in personal injury or interruption of communications.
- **Earplugs present a choking hazard.** Please do not allow children under the age of three to handle headsets or earplug tips. The earplug tips may become detached from the speaker adapter, posing a potential choking hazard.
- **Do not allow cords to interfere with aircraft controls.** Route wires and cables BEFORE FLIGHT in such a manner that they will not interfere with the safe operation of the aircraft.
- **Inspect eartips for blockage prior to each flight.** Earwax (cerumen) may become lodged in sound port thus blocking sound from the speaker. Inspect eartip prior to each flight and replace or clean eartips as needed.
- **Do not share contaminated (used) ear tips.** Replace ear tips when soiled.
- **Headset does not carry OSHA noise reduction ratings (NRR) for personal noise attenuation devices.** While headsets attenuate noise, the specific OSHA NRR standards have not yet been verified (although they may soon be). Headphones may be used in high noise areas, but only at users own risk.
- **Keep headset below 160°F.** Ambient temperatures in unventilated aircraft typically reach 110—140°F. Direct solar exposure on dark-colored dashboards may reach well over 160°F. Keep them off of the dashboard in mid-summer months.

Helpful Hints

It is a little-known secret that a \$1.00 earplug will attenuate noise as well as an ANR headset costing many hundreds of dollars more. The obvious advantage is the dramatic reduction in weight and improved comfort especially during long flights. However, these advantages may be realized only if proper insertion and use instructions are followed.

- Make sure that the earphone inserts are properly placed with the most comfortable size. Start with the smallest ear tip then try the larger eartip if sounds are not dramatically reduced.
- Make sure that the earplugs are inserted to a proper depth. The earplug adapter should be flush with the ear canal entrance. Very little Orange color should be visible.
- For best microphone operation, place microphone within 1/2 inch of mouth. Speak directly into flat portion of microphone.
- Do not pull or tug excessively on cords. They are strong, but not unbreakable.

SPECIFICATIONS

MICROPHONE:

Type: FET Close talking noise canceling type

Frequency Response: (at 3 cm): 100 to 4000Hz

Impedance:

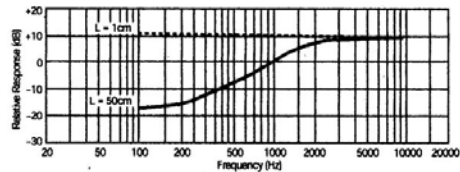
Environmental Conditions:

Operating Temperature: 0°F-125°F

Humidity: 0—95%

Cable plugs: J206 three conductor (0.206" dia.)

1/4" three conductor stereo (0.250" dia.)



Microphone Response

RECEIVERS (SPEAKERS):

Frequency Response:

50—18,500Hz (hi-fi version)

Output : 126 dB SPL max in 2cm. Coupler (see warnings-Page 2)

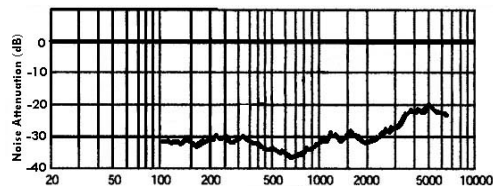
Net Weight (not including jacks and preamplifier/control box)

11 gm. (0.38 oz.)

Total Weight (including jacks and preamplifier/control box)

89 gm.

Shipping Weight 1 lbs.



Mean real-ear noise attenuation
for deep insertion

INTRODUCTION

GENERAL

The Quiet Technologies AuriComm is a novel communications headset with low-frequency noise performance that rivals most active ANR earmuff style headphones. It does all this at a fraction of the weight and cost of traditional ANR systems making this possibly the most comfortable, and quiet headset available. The AuriComm accommodates hats, and glasses without requiring anything to squeeze the head. The AuroComm headset is well suited in aircraft where comfort, noise control and reliability are desired.

The AuriComm can be used with either traditional custom earmolds or patented* replaceable ultra-soft foam earpieces. A super light weight boom microphone is supported by the ear piece or foam insert without the need for any type of head band. The stereo sound is controlled by way of a thumbwheel potentiometer, and a single/dual switch (for stereo/mono) is included for systems where music systems are available. The microphone is a truly advanced noise-canceling FET-type with a novel noise control design optimized for aircraft cabins.

FEATURES OVERVIEW

- Passive noise attenuation equaling heavier and costly ANR systems
- Total head-worn weight of 11 grams (0.38 oz) !
- Integrated stereo earphone/earplug combination
- Disposable foam earplug inserts OR custom earmold
- Adjustable boom microphone
- Single/dual channel (mono/stereo) selector switch
- Stereo volume control
- High-strength UV-resistant micro cable
- Foam microphone windscreen
- 1 year warranty

Coupling the headset



The MicroFlite headset may be used with two basic ear coupling systems—stock foam or custom earmolds. Which one is to be used is based on personal preference. The Foam earpieces provide the best noise performance, and custom molds provide the highest microphone stability.

Foam Eartips



The foam tips may be used when custom earmolds are not available or desired. The headset may be worn on either side of the head. This configuration allows the use by nearly any individual. Noise performance is more consistent than the custom earmold, although some may find that there is a learning curve for insertion when using the foam

inserts. Once fitted, the foam inserts provide the ultimate in noise performance and comfort.

Custom Earmolds

Custom earmolds may be ordered separately for those wishing to have added support for the microphone boom. Sound is controlled just as effectively as the foam counterparts, but the noise performance is not guaranteed due to individual variances of ear canals. Custom earmolds are available at additional cost.



ORDERING REPLACEMENT EAR TIPS/PARTS

Ear plugs are available in two sizes and may be ordered by e-mail, Internet, US mail, or telephone order. Each package contains 12 tips. Prices are subject to change.

ORDERING INFORMATION: All prices are in U.S.A. currency

Package of large insert tips (12/package)	\$20/pkg
Package of small insert tips (12/package)	\$20/pkg
Replacement microphone windscreen	\$3.00 ea

Mississippi residents add 7% sales tax
Shipping add \$6.95 within the United States via priority mail only. Shipments to other countries will include appropriate additional charges.

Phone orders: (866) 784-3883 toll free 9am—4pm CST

Email orders: pmccand@orbink.com

Internet orders: www.quiettechnologies.com

Visa/MC, certified bank check or money orders accepted. *5% discount for checks, money orders or cash orders.

TROUBLESHOOTING

Problem: Only one earphone seems to work

Solution: 1) change Stereo/mono switch position. The stereo position should provide independent stereophonic channels to each ear when using a walkman or hi-fi unit. Typical aircraft radios have only one channel (mono) and thus the single signal must be routed to each ear. The factory sets the switch to mono position by default.

2) make sure the sound tube is not crimped or bent.

3) make sure the sound tube or ear tip is not clogged with debris.

Problem: Earphones do not deaden sound or are uncomfortable.

Solution: Improper fit of foam tips. See page 5 for insertion tips.

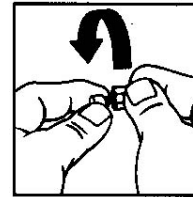
Problem: Sound is too loud or too soft.

Solution: Adjust volume control on radio to 1/4 to 1/2. Adjust volume control on headset to comfortable level. Fine-tune as needed.

Problem: Unit fails or is intermittent.

Solution: Adjust squelch on radio or intercom. If that does not resolve issue, return unit to manufacturer for repair. **DO NOT ATTEMPT REPAIR!** Repair by non-factory trained service centers will void the manufacturer's warranty.

Changing Foam Tips



Using Clean hands, unscrew the old tip and discard it. Screw the new tip on securely.

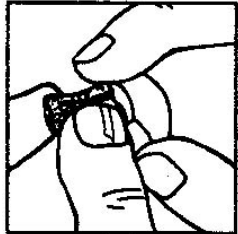
Removing Custom Earmolds (please read!)

Remove earmold by pulling straight up. **Do NOT remove by pulling at an angle, as the foam screw-on adapter may be damaged.** Use a small screwdriver if needed to pry the custom mold off

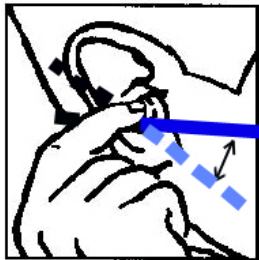
Proper Headset Placement

Although the AuriComm can be used on either side of the head, best placement is realized with the microphone boom located on the right. This is because the threads of the adapter screw "on" in a clock-wise direction and the weight of the boom microphone assembly will gently twist the microphone in a clock-wise direction keeping the assembly secure.





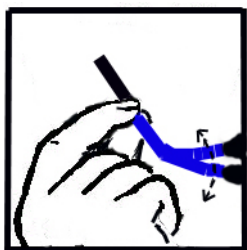
Hold the speaker/boom assembly in your right hand as shown. Squeeze the foam with your left hand to make it flat-sided like a key. Bend the tip toward you.



Position the speaker/plug for insertion. Pull back on your ear to open the canal. Gently insert the entire tip, like putting a key in a keyhole. Hint: make sure the tip is secured snugly on the threaded adapter. Position the microphone boom at nose level, as it will "drop" to proper level when released.



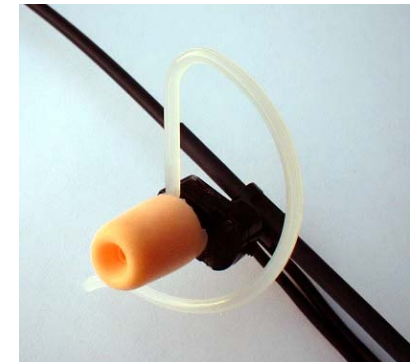
Hold the tip in place until for about 15 seconds it expands. Proper fit is indicated by a "deadening" of sound around you. Start with the smallest size at first, and change to a larger size if ambient sound does not deaden within 30 seconds. You should note an increase in the apparent loudness of your own voice when properly fit.



Rotate the boom to adjust to proper mouth level. If the adjustment cannot be achieved, position the arm by moving the pivot into the desired position. Repeat steps above if needed.

Optional Nylon Ear Hook

For most people, the ear hook is not needed, but may be used if the boom microphone tends to walk, droop, or bounce excessively. For proper use, remove the foam eartip from the side holding the boom microphone extension. Insert the ear hook in the direction shown and replace the foam ear tip.



HINT: Inserting the earhook and earpieces simultaneously takes a bit of practice. (It is recommended that you become comfortable with inserting the eartip without the ear hook at first.) The best way we have found to insert the headset with the hook attachment is to first place the hook behind your ear, then squeeze the eartip and quickly insert the foam into your ear.