



## Ruggedized Special Products



Model SHR 2638  
Model SHR 2639 (Dual Channel)



Model SHR 2082



Model SHR 2083  
Model SHR 2073 (Dual Channel)



Model SSP 2635  
Foot Switch

### Microphone:

All headsets are equipped with noise canceling electret microphones that provide a 20 dB (90%) reduction in transmitted background noise.

### Circumaural Earcups:

Noise Reduction Rating (NRR) is 22 dB.

For example: If the environmental noise level as measured at the ear is 92 dBA, and the NRR of the headset is 22 dB, then the resulting level of noise entering the ear is approximately 70 dBA. The headset must be properly worn to attenuate noise effectively. (Reference ANSI S12.6-1984)

### Connections:

Headsets are fitted with Quick Disconnects (QD) which allow the user to easily detach the headset from the interface device. Foot Switch connects directly into host system. Custom connections are available upon request.



# Ruggedized Headsets

**Isolation between headset Transmitter and Receivers:** 58dB, minimum.

**Temperature:**

Operating Temperature: -20C to 49C (-4F to 120F)

Storage Temperature: -40C to 70C (-40F to 150F).

**Shock (unpackaged):**

a. Headset: 18 random drops from 60" onto asphalt tile surface.

b. PTT/Amplifier: 6 random drops from 30" onto asphalt tile surface.

**Storage Humidity:**

a. 48 hours at 92% humidity and 12C.

b. 48 hours at 92% humidity and 70C.

c. 3 cycles of 30 minutes at -20C and any RH.

d. 3 cycles of 30 minutes at 32C and 90% RH.

e. 3 cycles of 30 minutes at 66C and 15% RH.

**Operational Humidity:** 5% to 95%.

**Vibration (packaged):**

a. Applied in 3 directions, .5G peak from 5HZ to 100HZ at a rate of .1 octave/min (45 minutes).

b. Applied in 3 directions, 1.5G peak from 100HZ to 500HZ at a rate of .25 octave/min (10 minutes).

**Storage Pressure/Altitude:**

14.7PSIA (Sea Level) -9.5PSIA (12,500 Ft. or 3810 meters; Designed to withstand shipment in pressurized cargo hold of commercial aircraft).

**Operating Pressure/Altitude:**

14.7PSIA (Sea Level) -9.5PSIA (12,500 Ft. or 3810 meters; Same as storage altitude).

**MTBF:**

Headset and PTT-Amp: 97,639 hours.

These are electrical MTBF numbers based on TR-NWT-000332 which uses failure rates based on MIL-HDBK-217 Calculations are based on a benign room environment.

**Flammability rating:** UL 94 HB.

**EMI/EMC compliance:** EN 55024 and EN 55022, Class B.

**Earcup material:** ABS, GE MG-47 or T-Grade equivalent.

**Cable Jacket material:** Polyurethane (PU), resistant to UV, oil and solvents.