



## Ruggedized Products



Model SHR 2638



Model SHR 2376



Model SHR 2083



Model SHR 2082



Model SSP 2635

- > All models are equipped with noise canceling electret microphones that provide a 20 dB (90%) reduction in transmitted background noise. They feature adjustable microphone booms and headbands.
- > Earcups on circumaural models provide a Noise Reduction Rating (NRR) of 22 dB.
- > Headsets are fitted with various types of Quick Disconnects (QD) which allow the user to easily detach the headset from the interface cable.
- > Model SHR 2376 can be worn with helmets or other headgear.
- > The cables feature robust polyurethane (PU) jacketing material. They are resistant to UV, oil and solvents. They remain flexible over a wide range of temperature extremes.
- > Heavy duty foot switches, waterproof PTT's and custom headsets available upon request.



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## Microphone:

The microphone reduces transmitted background noise by 20 dB.

The high quality gooseneck boom allows the microphone to easily be positioned in front of the mouth. The distance between the front and rear ports reduces the sensitivity at 1 KHz to far field noise by 15 dB compared to close talking response. Compared to on-axis voice, the bi-directional response reduces 90 degree incident noise by 20 dB more and random noise by 5 dB more. The bandpass is limited to 5 KHz and it acoustically filters the higher frequencies which are unwanted on most communication systems.

## Circumaural Earcups:

The Noise Reduction Rating (NRR) of the Ruggedized Headsets is 22 dB.

The level of noise entering the users ear when the headset is worn as directed is approximated by the difference between the A-Weighted environmental noise and the Noise Reduction Rating (NRR) of the headset. 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.

Refer to ANSI S12.6-1984

ATTENUATION - USA (ANSI)					NRR 22 dB				
Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attenuation dB(A)	12.6	17.8	25.6	31.6	31.9	32.5	31.8	33.3	33.7

