

## DYNAMIC MICROPHONE HEADSETS



**SupraPlus Monaural  
SDS 2490**



**SupraPlus Binaural  
SDS 2491**



**Ruggedized  
SHR 2301**

### KEY FEATURES:

- **Mission-critical reliability and comfort.** Our dynamic-microphone headsets not only meet or exceed all specifications set by our existing world-class professional headsets, but these headsets also deliver superior all-day, every-day comfort and reliability.
- **Dynamic noise-cancelling microphone.** Noise-cancelling microphone with extended boom eliminates nearly 75% of unwanted background noise, ensuring excellent transmission clarity in busy, noisy environments.
- **Cable and Quick Disconnect.** Single-cable design with robust PU (polyurethane) jacketing material and Quick Disconnect options.
- **Excellent audio quality.** Extended frequency response improves intelligibility.
- **Circumaural Cushion Kit.** (sold separately) Model SSP 2499-01 is available for use on SupraPlus models.
- **PTT and connector options available upon request.**

## DYNAMIC MICROPHONE HEADSET SPECIFICATIONS

### Sending Characteristics (all models):

Microphone Type: Noise-cancelling dynamic  
 Frequency Range: 150 Hz to 10 kHz  
 Output Impedance: 150 ohms nominal  
 Noise Cancellation: 10 dB  
 Output Amplitude @ 1 kHz: -74 dBV +/- 4 dBV (126 to 316  $\mu$ V RMS) open-circuit with an input signal of -6 dB Pa   
 applied to the front surface of the microphone housing that is held on-axis at one inch   
 from the lip ring of an artificial mouth per IEEE Std 269-1992 and ITU-T P.51

### Receiving Characteristics (SupraPlus Monaural and Dual-channel):

Frequency Range: 100 Hz to 10 kHz  
 Input Impedance: 150 ohms +/- 25%  
 Output Amplitude @ 1 kHz: -7 dB Pa +/- 3 dB Pa with an input signal of  
 -20 dBV through 10 ohms using a head-and-torso simulator per IEC 959, ANSI S3.36-1985,   
 and ITU-T P.58

### Receiving Characteristics (SupraPlus Binaural):

Frequency Range: 100 Hz to 10 kHz  
 Input Impedance: 75 ohms +/- 25%  
 Output Amplitude @ 1 kHz: -7 dB Pa +/- 3 dB Pa with an input signal of -20 dBV through 10 ohms using a   
 head-and-torso simulator per IEC 959, ANSI S3.36-1985, and ITU-T P.58

### Receiving Characteristics (Ruggedized):

Frequency Range: 300 Hz to 10 kHz  
 Input Impedance: 300 ohms nominal  
 Output Amplitude @ 1 kHz: -11.8 dB Pa +/- 5.0 dB Pa into an IEC 60318 and ITU-T P.57 Type 1 coupler equipped   
 with a Bruel & Kjaer Type DB 0843 adapter with an input amplitude of -10.0 dBV  
 through 300 ohms

Note: 0 dB Pa = 94 dB SPL