

Heavy Duty Headset for MOTOTRBO™

Communicate effectively in high-noise environments



Whether on a construction site, in a loud manufacturing facility or in a busy warehouse, two-way radios help keep your operations running smoothly. MOTOTRBO radios offer a noise suppression feature to help communications in loud areas. However, in some extremely loud environments, it is difficult to hear your radio conversations without a headset. The heavy-duty headset has been designed to offer high clarity audio with the additional hearing protection necessary to provide consistent, clear, two-way radio communications in harsh, noisy environments.

Key Features:

- Harmful sounds from external sources, such as jackhammers or heavy machinery are **suppressed to safe levels**, Noise Reduction Rating – 24dB
- **Noise-canceling boom microphone** minimizes external noise when communicating with other employees in loud environments
- **Comfortable, behind-the-head band** with adjustable over head strap provides a secure, flexible fit necessary for wear during long shifts. Also designed to be worn with a helmet or a hardhat.
- Push-to-Talk button located on earcup for **easy communications access**. Radio can remain under a jacket and protected from the elements.
- **Voice Activated Capability (VOX)** enables hands-free communication critical in harsh working conditions when used with compatible radios*.
- Earseals are filled with a liquid and foam combination to provide **excellent hearing protection** from outside noise as well as comfort for extended wear.

*VOX must be enabled in the radio programming software and activated via a programmable button on the radio.

PRODUCT SPECIFICATIONS



HEAVY DUTY HEADSET SYSTEM SPECIFICATIONS

| | |
|----------------------|---|
| Part Number: | PMLN5275 |
| Product Description: | Heavy Duty Headset with Boom Microphone |
| Compatible Radios: | XPR™ 6300, XPR 6500, XPR 6350, XPR 6550 |

ACOUSTICS

| | | |
|------------|---------------------------|---|
| Microphone | | |
| | Sensitivity: | -43dBV min to -35dBV max at 1kHz (-39dBV typ) |
| | Frequency Response Range: | 100Hz to 10000Hz |
| Speaker | | |
| | Impedance: | 240 Ohm min to 360 Ohm max (300 Ohm typ) |
| | Average SPL: | 300-3000 kHz at .387 V _{rms} input, 81dB min |
| | Distortion (THD): | 10% max |

HEADSET AND CONTROLS

| | |
|---------------|---|
| Headband: | Behind-the-head band, with over the head adjustable strap |
| Weight: | 563 grams / 19.9 ounces |
| Push-to-Talk: | Button on the earcup |
| Receive Via: | Dual-Muff Earcups |
| Transmit Via: | Boom Microphone |

POWER

| | |
|---------------|---------------|
| Power Source: | Radio Battery |
|---------------|---------------|

ENVIRONMENTAL SPECIFICATIONS

| | |
|------------------------|--|
| Operating Temperature: | -30°C to +75°C |
| Storage Temperature: | -40°C to +85°C |
| Operating Humidity: | 90% - 95% relative humidity, 30°C to 75°C relative temperature for 15 x 24 hour cycles |
| Salt/Fog: | MIL810F Method 509.4 |
| Vibration: | MIL810F Method 514.5 Procedure 1 Category 24 |
| ESD: | IEC/EN61000-4-2 |
| Regulatory: | FM, CE |
| EMC: | EMC Radiated Emissions: EN300-086-2 v1.1.1; EMC Radiated Immunity and ESD: EN 301 489-1 v1.6.1, EN 301 489-5 v1.3.1 |

Specifications subject to change without notice. All specifications shown are typical. Before using this headset, please review the appropriate safety regulations in the Two-Way Radio RF and Safety booklet (6881095C98).

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