

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
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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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