

# Motorola Noise-Canceling Remote Speaker Microphone

Noise-Canceling Acoustics for TETRA subscriber communications



Remote Speaker Microphones (RSMs) are a vital two-way radio accessory solution for TETRA users who need to talk and listen without removing the radio from their belt or carry case. This RSM cancels out ambient noise to give MTP850 portable users the confidence of clear, understandable communication in noisy environments.

Benefits of this Remote Speaker Microphone include:

- When a user speaks directly into a microphone, the **noise-canceling acoustics** utilize a directional microphone that is designed to eliminate ambient noise.
- When injuries or emergencies strike, the **orange emergency button** is easily accessible to signal that the operator needs help – a critical feature for public safety users.
- Built within a **large housing**, which makes the controls easier to access even when wearing gloves.
- **IP54 water-intrusion rating** ensures your microphone will perform even if sprayed with water.
- An **audio jack** located at the head of the microphone allows users to receive discreet audio communication, with an additional earpiece accessory.

The following receive-only earpieces are compatible with this microphone:

- RLN4941 Earpiece with Translucent Tube
- RLN4885 Receive-only Foam-Covered Earbud with Coiled Cord
- PMLN5273 Large D-Shell Earpiece
- PMLN5274 Small D-Shell Earpiece

**Flexible and easy to wear** with 6-foot coiled cord assembly, swivel clip and quick disconnect latch.

## PRODUCT SPECIFICATIONS

### REMOTE SPEAKER MICROPHONE SPECIFICATIONS

Part Number:	PMMN4066
Description:	Noise-Canceling Remote Speaker Microphone
Radio Compatibility:	MTP850

### MICROPHONE ACOUSTICS

Microphone Type:	Directional
Sensitivity:	-47dBV typical

### SPEAKER ACOUSTICS

Speaker Diameter:	45mm
Output Power:	0.5W at rated audio
Output Level:	93dB SPL typical
Maximum Output Level:	< 120dB SPL at maximum radio volume
Frequency Response:	300Hz – 3000Hz
Distortion (THD):	<15% (RX)

### AUDIO JACK

Audio Jack Type:	3.5mm unthreaded jack
Compatible Earpieces:	RLN4885B, RLN4941A, PMLN5273A, PMLN5274A
Maximum Output Level:	≤ 115 dB at maximum volume

### RSM BODY SPECIFICATIONS

Dimensions:	60mm (W) x 78mm (H) x 28mm (D) (without clip)
Weight:	220 Grams

### CONTROLS

Emergency:	Orange Button
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### POWER

Power Source:	Radio Battery
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### CABLE

Flex Life:	50,000 cycles
Pull Strength:	40 Lbs, Minimum Tensile, In-Line

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature:	-30°C to +60°C
Storage Temperature:	-55°C to +85°C
Humidity:	90% - 95% Relative Humidity at +50°C for 8 hours
Rain:	MIL810F Method 506.4
Salt/Fog:	MIL810F Method 509.4 Procedure 1
Dust:	MIL810F Method 510.4 Procedure 1
Vibration:	MIL810F Method 514.5 Procedure 1 Category 24
Mechanical Shock:	MIL810F Method 516.5 Procedure 1
ESD:	IEC/EN61000-4-2
IP Rating:	IP54 (4 stands for protection against water sprayed from all directions)

### REGULATORY

EME/ EMC:	No Radio Degradation
CE:	No Radio Degradation

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. Use of non-Motorola-approved antennas, batteries, and accessories may exceed the FCC (IEEE) and ICNIRP RF exposure guidelines.



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PMMN4066/SPEC-ENG(09/09)