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.
## 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

### POWER
- Power Source: Radio Battery

### CABLE
- Flex Life: 50,000 cycles
- Full 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.