



# Heavy Duty Remote Speaker Microphone

Rugged design to withstand!



The heavy duty Remote Speaker Microphone is highly recommended for public safety operation as well as industrial and commercial users

## Construction, Public Safety, Mining and Utility Workers

These sturdy microphones are the must have communication audio accessories for those working at the job site or in the field.

Particularly suited to the most challenging of operational environments, helping users keep in touch in the face of adversity.

To communicate effectively with your co-workers, you need a combination of radios and accessories that withstand!

Thanks to Motorola's Accelerated Life Test, replicating five years of hard use in the field, this is an audio accessory that won't let you down.

## Toggle Switch

Located on the top housing of the RSM allows you to switch the volume from the radio's setting to a lower level and back again without having to touch the radio.



To decrease the volume to a lower level



To return the volume to the radio's setting

## Features and Benefits

### Heavy Duty Remote Speaker Microphone

- RSMs are the most popular accessory in Motorola Audio line
- Waterproof IP57 standard. It can be immersed in water for 30 minutes and still works
- Provides convenient means of communicating by having a speaker, a microphone and a PTT in a single, hand-held or clip-on accessory
- Robust coiled cable with connector and strain relief
- Rugged shadow anthracite textured polycarbonate body for enhanced durability
- Ergonomic easy-to-grip design
- Flexible attachment with fully rotating clothing clip

**Compatible with Motorola GP Professional Radios**

## PMMN4044 - Compatible with Motorola GP Professional Series

### Technical Specifications

#### Microphone

Type:	Omni-directional Microphone
Sensitivity:	-44 +/- 3 dB re 1V/Pa at 1kHz
Distortion (THD):	<3% from 200Hz to 3200Hz.

#### Speaker

Diameter:	45mm
Output Power:	0.5W at rated audio
Output Level:	90dB SPL typical, 300Hz – 3200Hz, at rated audio, at 30cm from RSM
Maximum Output Level:	< 120dB SPL at maximum radio volume
Frequency Response:	300Hz – 3200Hz
Distortion (THD):	<15 % ( Rx) at 1 kHz at rated audio

#### RSM Body Specifications

Dimensions:	60mm (W) x 78mm (H) x 28mm (D) (without clip)
Weight:	220 Grams
Case Material:	Lexan EXL1414 Polycarbonate

#### Controls

Push to talk (PTT):	Side paddle mechanism activated via tact switch
Volume:	Toggle switch (High and Low Volume) – High volume is 10dB louder compared to low volume at RSM speaker.

#### Power

Power Source:	Radio Battery
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#### Cable

Flex Life:	50,000 cycles (min)
Pull Strength:	40 Lbs, Minimum Tensile, In-Line
Accessory Connector Case:	Flame Retardant Polycarbonate Black

#### Environmental Specifications

Operating Temperature:	-30°C to +60°C
Storage Temperature:	-55°C to +85°C
Thermal shock:	-57°C to +80°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
Impact (grill):	1 _" diameter (130 grams) steel ball drop. Initial drop height is 30cm, then increase drop height by 10cm for at least 8 times @ 100cm.
ESD:	IEC/EN61000-4-2
IP Rating:	IP57

#### Regulatory

FM:	no radio degradation
EME/ EMC:	no radio degradation

For more information please contact your local Motorola Authorised Dealer or Distributor

