

RM780/RM760 IMPRES™ REMOTE SPEAKER MICROPHONE

HEAR AND BE HEARD CLEARLY.

FOR MOTOTRBO R7 AND MXP600



Your fleet needs to communicate without delay and it is essential that they can hear clearly and be heard clearly, especially in loud environments.

Empower your communications with the RM780 and RM760, with best in class intuitive designs to meet the needs of today and the future. Secure firmly with a low profile swivel clip to communicate with ease whilst on the job and connect secondary audio accessories with the 3.5mm audio jack for extra comfort. Incorporates IP68 and MIL STND 810 rated to take whatever comes your way with Work When Wet technology and water porting to keep your communication lifeline intact. Raise the alarm with a dedicated emergency button and customise with two programming buttons to enhance operations (RM780 only).

LOUDEST, CLEAREST SPEAKER

Innovative audio technology enables you to hear and be heard over crowd noise, machinery and blaring sirens. Motorola Solutions' Wind and Water Shielding technology ensures audio is loud and clear.

SLIM DESIGN

The sleek and modern RM780 is our thinnest wired remote speaker equipped with a low profile swivel clip for easy wearability keeping the RSM closer to your body.

EASY TO USE

Top volume rocker switch allows you to quickly and easily change system volume level and keep your eyes focused on what's in front of you. Two programmable buttons allow users to activate their most frequently used functions without even looking at the RSM: the emergency button is large and easy to operate, yet well protected from accidental activation; and there's a tactile glove-friendly PTT that allows easy communication on the job.

FLEXIBLE WEARING

Wear your RM780 RSM any way you want. The strategic placement of the microphones and enhanced water drainage provide users with the flexibility to wear it straight, upside down and even sideways while still delivering superior audio experience.

WORK-WHEN-WET AND IP68 CERTIFIED

Rugged and dependable, the RM780 is ready for use in harsh environments and weather. Enhanced water drainage and top quality materials ensure you get the best audio experience. With IP68 and MIL STND 810 14 testing procedures across C,D,E,F,G.

DISCREET LISTENING

Tailor the RSM's performance to your individual needs with the 3.5mm jack to receive audio discreetly while plugging in a compatible earpiece accessory for private and confidential messages.

NOISE CANCELLATION

The R7 Signal Input Noise Cancellation (SINC+) will activate once connected to an RM780 or RM760 RSM. This technology will eliminate background noise when you speak through the RSM in a different wearing positions.



GENERAL SPECIFICATIONS

RM780 Remote Speaker Microphone	PMMN4128
RM760 Remote Speaker Microphone	PMMN4140
Dimensions (RSM head only without clip)	77(L) x 58(W) x 25(D) mm (3 x 2.3 x 1 in)
Weight (Complete kit with cable)	212 g (7.48 oz)
Power Source	Radio Battery
Hot Microphone Feature	Supported through radio software configuration. Please contact your regional sales representative for more information.
IMPRES™	Yes
Clip	Low-profile 360 degree rotating clip

MICROPHONE

Type	Omni Directional
Sensitivity	-42 ± 3 dBV typical
Distortion (THD)	< 5 %, Wideband
Windporting	Yes
Noise cancellation	Yes, supported on Mototrbo R7 SINC+

SPEAKER

Diameter	47 mm (1.85 in)
Distortion (THD)	<15%
Max Power	3Wrms
Output Level at maximum radio volume	102 dB phon

CONTROLS

Top	Emergency (Orange), Volume Up/Down (only for RM780)
Side	PTT, 2 Programmable Buttons (only for RM780)
Opposite PTT Side	3.5 mm Audio Jack

SECONDARY AUDIO ACCESSORY

PMLN8120	Receive-Only Loud Audio with Translucent Tube
----------	---

COILED CABLE

Flex Life	100,000 cycles (minimum)
Pull Strength	40 lbs (minimum)
Cable Length	304mm (12inch) coiled section
Accessory Connector Case	Polycarbonate Black

ENVIRONMENTAL

Operating Temperature	-22°F to +140°F (-30°C to +60°C)
Storage Temperature	-67°F to +185°F (-55°C to +85°C)
Humidity	90% - 95% Relative Humidity at +50°C for 8 hours
Impact Grill	31.75 mm (1.25 in) Diameter Steel Ball Drop
ESD	IEC / EN 61000-4-2
IP Rating	IP68
Work-When-Wet	Yes

HAZARDOUS CERTIFICATION

Div 1: Class I (Group C, D), Class II (Group E, F, G), Class III
Div 2: Class I (Group A, B, C, D)

REPLACEMENT PARTS

PMLN8121	Low Profile Swivel Clip
PMLN8122	Dust Cover (10pcs per pack)
PMKN4232	Coil Cord



PORTABLE MILITARY STANDARDS 810 C, D, E , F & G

	MIL-STD 810C		MIL-STD 810D		MIL-STD 810E		MIL-STD 810F		MIL-STD 810G	
	Method	Proc./Cat.	Method	Proc./Cat.	Method	Proc./Cat.	Method	Proc./Cat.	Method	Proc./Cat.
Low Pressure	500.1	I	500.2	I	500.3	II	500.4	II	500.5	II
High Temperature	501.1	I, II	501.2	I/A1, II/A1	501.3	I/A1, II/A1	501.4	I/Hot, II/ Basic Hot	501.5	I/A1, II/A2
Low Temperature	502.1	I	502.2	I/C3, II/C1	502.3	I/C3, II/C1	502.4	I/C3, II/C1	502.5	I/C3, II/C1
Temperature Shock	503.1	I	503.2	I/A1C3	503.3	I/A1C3	503.4	I	503.5	I/C
Solar Radiation	505.1	II	505.2	I	505.3	I	505.4	I	505.5	I/A1
Rain	506.1	I, II	506.2	I, II	506.3	I, II	506.4	I, III	506.5	I, III
Humidity	507.1	II	507.2	II	507.3	II	507.4	Only 1 Proc	507.5	II/ Aggravated
Salt Fog	509.1	I	509.2	I	509.3	I	509.4	Only 1 Proc	509.5	Only 1 Proc
Blowing Dust	510.1	I	510.2	I	510.3	I	510.4	I	510.5	I
Blowing Sand	Only 1 Proc	Only 1 Proc	510.2	II	510.3	II	510.4	II	510.5	II
Immersion (Delta-T)	512.1	I	512.2	I	512.3	I	512.4	I	512.5	I
Vibration	514.2	VIII/F, Curve-W	514.3	I/10, II/3	514.4	I/10, II/3	514.5	I/24	514.6	I/24
Shock	516.2	I, III, V	516.3	I, V, VI	516.4	I, V, VI	516.5	I, V, VI	516.6	I, V, VI
Shock (Drop)	516.2	II	516.2	IV	516.4	IV	516.5	IV	516.6	IV

Motorola Solutions UK Limited, Nova South, 160 Victoria Street, London, SW1E 5LB.

MOTOROLA, MOTO, MOTOROLA SOLUTIONS and the Stylized M Logo are trademarks or registered trademarks of Motorola Trademark Holdings, LLC and are used under license. All other trademarks are the property of their respective owners. © 2022 Motorola Solutions, Inc. All rights reserved. (11-22)