RM780 IMPRES™ REMOTE SPEAKER MICROPHONE

HEAR AND BE HEARD CLEARLY.

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

Equipped with a loud and clear speaker, the wired RM780 Remote Speaker Microphone delivers our best design with the latest low profile swivel clip that keeps the RSM closer to your body. It has 2 side programmable buttons, emergency button and system volume control at the top. Besides, RM780 has a 3.5mm audio jack that supports the new receive only translucent tube earpiece, PMLN8120. RM780 is IP68 (2m 4 hours) certified and supports Motorola Solutions' Work-When-Wet requirement which allows water to drain out from the RSM instantly to allow clear communication.

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
Designed for the MXP600 radio, 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.

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.

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.

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.

MOTOROLA SOLUTIONS

WATER AND WIND SHIELDING GRILL
PTT BUTTON
SPEAKER
PROGRAMMABLE BUTTON 2X
EMERGENCY BUTTON
VOLUME UP/DOWN
3.5 MM IP68 AUDIO JACK
LOW PROFILE SWIVEL CLIP

GENERAL SPECIFICATIONS

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

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
Side	PTT, 2 Programmable Buttons
Opposite PTT Side	3.5 mm Audio Jack

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)	

COMPATIBLE RADIO MODELS

MOTOTRBO™	ION
Tetra	MXP600

SECONDARY AUDIO ACCESSORY

PMLN8120	Receive-Only Loud Audio with Translucent Tube

REPLACEMENT PARTS

PMLN8121	Low Profile Swivel Clip
PMLN8122	Dust Cover (10pcs per pack)
PMLN4232	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

For a complete list of MOTOTRBO ION accessories, please visit
motorolasolutions.com/ion

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