NS750 IMPRES™

REMOTE SPEAKER MICROPHONE

OPERATE & COMMUNICATE IN HARSH ENVIRONMENTS

Paired with a MOTOTRBO R7 or MXP600 radio, the NS750 RSM takes on the challenges of the frontline. It's ready for harsh environments, to ensure your personnel are safe while they look after the safety of others.

DETAILS

Durable, intelligent and intuitively designed, the NS750 IMPRES Remote Speaker Microphone (RSM) is built for frontline workers in tough, loud, mission critical environments. It is built with windporting microphones which cancel the mechanical effects caused by wind and an omnidirectional microphone that allows clear transmissions in every direction. And, if you want to further strengthen your listening quality, this RSM is compatible with select audio accessories and has two audio jack locations (3.5 mm Secondary Audio Accessories- SAA) and the Nexus interface for loud audio headsets.* Smart audio switching allows audio to be easily switched between the RSM audio and the secondary earpiece or headset.

The NS750 RSM is designed for ease of use featuring dual textured push-to-talk (PTT) buttons and optional colour identification labels to go over the front PTT button to help identify various teams and their responsibilities. With this RSM, you can communicate with clarity and ease across the frontline to efficiently and effectively get the job done.

KEY FEATURES

- Large Textured Front and Side Push-to-Talk Buttons with Alert Reminder
- Smart Audio Switching
- Colour Identification Labels
- Windporting
- IP68 Rated, Work-When-Wet

*Compatible audio accessories are listed on page 3.

DATA SHEET | NS750 RSM

MOTOROLA SOLUTIONS

NS750 IMPRES RSM
BUTTON CONFIGURATION

LARGE, TEXTURED, FRONT AND SIDE PUSH-TO-TALK BUTTONS

In high-stress situations, communication with the NS750 is seamless; this RSM has both a traditional side-PTT button and large front-facing PTT button, so you don't have to fumble with your device to deliver key information. And, if you're in a low-visibility environment, the NS750's high impact green grooves make the device easy to see.

SMART AUDIO SWITCHING

Eliminate toggling difficulties among multiple accessories with the NS750's smart audio switching functionality, located on an easily accessible button to save you both time and effort. An Alert Tone Reminder will beep as a reminder to route the audio between the SAA and the RSM speaker.

COLOUR IDENTIFICATION LABELS

Further organise your devices across your workforce with the NS750's colour identification labels, making it easier to separate and understand various teams, functions or roles.

WINDPORTING

Experience uninterruption of voice clarity when in exposed, harsh or transmitting in windy environments.

IP68 RATED, WORK-WHEN-WET

Not only is the NS750 built to perform in loud environments, but it is also designed to withstand tough conditions. With an IP68 rating, this device offers full protection against dust and is waterproof.

Emergency Button

Nexus Interface

Striking Impact Green Bezel

Large Push-to-Talk (PTT) Button

PTT Label
Colours Available:
Red, Blue, Green, Yellow, Orange, Silver

PTT Button

Programmable Button

Swivel Clip

Smart Audio Switching (between RSM and Secondary Audio Accessory (SAA))

Nexus Audio Jack

3.5 mm Audio Jack

DATA SHEET | NS750 RSM

SPECIFICATIONS

GENERAL

Part Number	PMMN4150, PMMN4151
Compatible Radio	MOTOTRBO R7 [VHF/UHF], MXP600 [UHF]
Dimensions (RSM Head Only)	68 mm (W) x 94 mm (H) x 29 mm (D)
Weight (Full Kit)	PMMN4150: 296± 5 grams PMMN4151: 238 ± 5 grams
Colour	High Impact Green
Power Source	Radio
Nexus Interface Connector	Yes, 4 Poles Nexus Interface (Transmit & Receive)
3.5 mm Jack	Yes (Receive Only)
Alert Tone Reminder	Applicable on the Nexus SAA when Smart Audio Switching is set to RSM audio
Clip	360° Rotating Clamping Clip with D-ring

MICROPHONE

Type	Single Electret Condenser Microphone (ECM)
Sensitivity	-35 ± 2 dBV
Distortion (THD)	≤5% at 1kHz
IMPRES™	Yes
Intelligent Audio	Yes [though radio software configuration]
Windporting	Yes

SPEAKER

Diameter	36mm
Distortion (THD)	<15%
Max Power	2.5W

COMPATIBLE RADIO FIRMWARE

MXP600	Requires Firmware R55.XX0.9840 and Beyond
MOTOTRBO R7	Requires Firmware R02.22.03.1001 and Beyond

DATA SHEET | NS750 RSM

CABLE

Length	PMMN4150 490 mm (resting position), 1700 mm (full length) PMMN4151 250 mm (resting position), 480 mm (full length)
Flex Life	1000k Cycles Minimum
Pull Strength	40 lbs (~18.1kg) Minimum
Cable Material Flammability Rating	UL 94 V0 Compliance

ENVIRONMENTAL

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
ESD	IEC / EN 61000-4-2
IP Rating	IP64, IP66, IP67, IP68
UL Rating	Div 1: Class I (Group C, D), Class II (Group E, F, G), Class III Div 2: Class I (Group A, B, C, D), Class II (Group F, G), Class III
Impact Grill	1.25in (31.75mm) Diameter Steel Ball Drop
Work-When-Wet	Yes

SECONDARY AUDIO ACCESSORIES (SAA)

PMLN8266
3M™ Neckband Headset with Nexus Connector

PMLN8265
3M™ Peltor Headband Headset with Nexus Connector

PMLN8267
3M™ Peltor Hard Hat Headset Attachment with Nexus Connector

GMMN4584
SAVOX HC-2 Helmet-com Unit Bone Conduction Mic/Dual Speaker

GMMN4585
SAVOX HC-1 Helmet-com Unit Bone Conduction Mic/Single Speaker

PMLN7188
3.5mm Audio Jack Earpiece with Clear Comfort Tube

ADD-ON ACCESSORIES & REPLACEMENT PARTS

0104068J78 Replacement Swivel Clip

PMLN8466 Front PTT Paddle Label (Red, 10 pcs/pack)

PMLN8465 Front PTT Paddle Label (Blue, 10 pcs/pack)

PMLN8464 Front PTT Paddle Label (Green, 10 pcs/pack)

PMLN8468 Front PTT Paddle Label (Yellow, 10 pcs/pack)

PMLN8523 Front PTT Paddle Label (Orange 10 pcs/pack)

PMLN8469 Front PTT Paddle Label (Silver 10 pcs/pack)

MILITARY STANDARD MATRIX

	MIL-STD 810C		MIL-STD 810D		MIL-STD 810E		MIL-STD810F		MIL-STD810G		MIL-STD810G	
	METHOD	PROC/CAT	METHOD	PROC/CAT	METHOD	PROC/CAT	METHOD	PROC/CAT	METHOD	PROC/CAT	METHOD	PROC/CAT
Low Pressure	500.1	I	500.2	II	500.3	II	500.4	II	500.6	II	500.6	II
High Temperature	501.1	I, II	501.2	I/A1, II/A1	501.3	I/A1, II/A1	501.4	I/Hot, II/Hot	501.6	I/A1, II/A1	501.6	I/A1, II/A1
Low Temperature	502.1	I	502.2	I/C3, II/C1	502.3	I/C3, II/C1	502.4	I/C3, II/C1	502.6	I/C33, II/C1	502.6	I/C33, II/C1
Temperature Shock	503.1	I	503.2	I/A1C3	503.3	I/A1C3	503.4	I	503.6	I-C	503.6	I-C
Solar Radiation	505.1	II	505.2	I	505.3	I/A1	505.4	I/A1	505.6	I/A1	505.6	I/A1
Humidity	507.1	II	507.2	II	507.3	II	507.4	-	507.6	II/ Aggravated	507.6	II/ Aggravated
Salt Fog	509.1	I	509.2	I	509.3	-	509.4	-	509.6	-	509.6	-
Blowing Dust and Sand	-	-	510.2	II	510.3	II	510.4	II	510.6	II	510.6	II
Vibration	514.2	VIII/F	514.3	1/10	514.4	I/10	514.5	I/24	514.7	I/24	514.7	I/24

MOTOROLA *SOLUTIONS*

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