WM500 wireless PoC remote speaker microphone

When you're working in highly mobile, hands-on industries, you need quick and easy access to PTT applications on your radio or smartphone. The WM500 is uniquely designed to give you the simplicity and security you need to perform your job efficiently and effectively. The WM500 wireless remote speaker microphone is our thinnest yet, and is built with an internal battery that lasts up to 40 hours so you can remain focused on the task at hand.

Windporting technology allows you to communicate clearly in difficult weather by eliminating the whining and howling sounds of wind blowing across your remote speaker microphone. A 3.5mm earpiece jack provides you the flexibility to receive audio communications more effectively.

Designed for durability, this RSM is rated IP67 meaning it can withstand immersion for at least 30 minutes, while preventing water from clogging the microphone and is completely dust-tight.

Bring your own device

Motorola's first wireless RSM compatible with PTT-over-cellular applications. The WM500 has been tested and works with the KODIAK broadband PTT platform, which is used by major wireless carriers – including AT&T, Bell Canada, Sprint, and Verizon – as well as WAVE, our cloud-based broadband PTT service*.

Keep your phone "in your pocket"

Leave your phone in your pocket while retaining access to key PoC functionality. Located at your shoulder, the RSM enables you to conveniently send and receive audio calls, change talkgroups, reach features using shortcuts, and set up to four operational status messages. Essentially, the RSM serves as a wearable speakerphone for your cellular phone or PTT device.

Best-in-class audio quality and performance

Designed to reduce distortion, cancel background noise and suppress device feedback, the RSM ensures you can hear and be heard. Superior Enhanced Full Duplex™ Wideband audio performance in PTT over cellular provides clear audio and eliminates the need to wait turns before speaking. A strategically placed microphone ensures you will be heard clearly, regardless of wear.

Discreet listening

Use the 3.5mm jack to receive audio discreetly while plugging in a compatible earpiece accessory for private and confidential messages.

Rugged and waterproof

The WM500 is rated IP67: dust-tight and submersible. Enhanced water drainage and top quality materials to withstand the toughest working conditions.

* Not compatible with WAVE 5000.

MOTOROLA SOLUTIONS

Specifications

WM500 WIRELESS POC REMOTE SPEAKER MICROPHONE

Part Number	PMMN4127
Kit Includes	USB-A to USB-C for charging
Compatible Radios:	LEX L11 TLK 100 MXP660 TLK 150 EVOLVE SLN1000 BYOD Android (apps released 9.1.1 and beyond) Ion[1] (Requires firmware R03.00.00 and beyond) R7 (Requires firmware R04.00.00 and beyond) MXP600 (Requires firmware R04.00.00 and beyond) MOTOTRBO R5 (Requires Firmware R02.25.01.1002 onwards)
Mic Sensitivity	-16 ±3 dBm0 at 94 dBSPL at 1kHz
Speaker Rated Audio/Distortion	1W @ 15%

BLUETOOTH

Range	100 meters line of sight
Bluetooth Version	5.0
Pairing Method	BT Standard pairing, NFC

CONTROLS

Top	Emergency Button
Side	PTT
Front	4 Programmable Buttons
Volume	Up/Down

PHYSICAL

Dimension (W x L x D)	3.15 x 0.96 x 2.26 in (80 x 24.5 x 57.5 mm)
Weight (includes RSM and cable)	4.5 oz (128 +/- 5 g)

Power Indicator — Volume Toggle — Emergency Button
Power/MFB Button — Audio Jack
Microphone
PTT — Speaker
Channel +/-
Call answer — P1/P2
USB-C Charging

ENVIRONMENTAL

Operating Temperature	-20°C to +60°C (+4°F to +140°F)
Storage Temperature	-55°C to +85°C (-67°F to +185°F)
IP Rating	IP67
Shock/Vibration	MIL-STD-810F

POWER

Battery	1130mAh
Battery Life	BYOD: 40 hours (5/5/90 working period) LMR: 17 hours
Charge Time	Approximately 2 hours
Operating Voltage	3.6V DC
Type Acceptance	CE, RED, FCC/IC, EPP2, EME, CMM, WEEE, EFUP

ADD-ON ACCESSORIES & REPLACEMENT PARTS

3.5 mm Receive-Only Earpiece with Translucent Tube	PMLN7560

[1] Does not support WAVE on MOTOTRBO ION

To learn more, visit: **www.motorolasolutions.com**

MOTOROLA SOLUTIONS

Note: Install "Accessory Manager" App from the Google Play Store or Apple App Store to upgrade the WM500 firmware to the latest version.

Scan QR code to download the Accessory Manager Application.