



APX™ XE500

ULTIMATE USABILITY.
EXTREME PERFORMANCE.





DESIGNED FOR THE MISSION. ENGINEERED FOR THE EXTREME.

The APX 8000XE is redefining mission critical communications by delivering an ultra-durable radio that combines limitless interoperability, loud audio and seamless WiFi connectivity. With its ultimate usability and extreme performance, the APX XE500 Remote Speaker Microphone (RSM) is the perfect companion to the APX 8000XE.

APX™ XE500 REMOTE SPEAKER MICROPHONE

KEY FEATURES

- Available With and Without a Channel Knob
- High Visibility Strobe Light
- Adaptive Audio Engine
- IP68, 2 Meters, 4 Hours Submersion
- Heat Resistant Housing and Cable
- Orange Illuminated Emergency Button
- Transmit / Receive LED



ENHANCED CONTROLS

Designed for the mission

The XE500 RSM is an evolution of the XE RSM platform and like its predecessor was designed with the user's extreme environment in mind. From the exaggerated knobs and controls that are easy to operate with bulky gloves to the asymmetrical shape that makes it easier to find the controls without looking.

The XE500 RSM features a designated Channel Knob that has been designed to mimic the Channel Knob of the radio. With the same fit and feel, firefighters can easily change channels when their radios are worn under their turnout coat. Model without Channel Knob available as well.



ADAPTIVE AUDIO ENGINE

Hear and be heard

XE500 RSM utilizes 5 integrated microphones and an Adaptive Audio Engine. Similar to the radio, it automatically changes the level of noise suppression, microphone gain, windporting and speaker equalization to produce clear and loud audio in any environment.



FLEXIBLE WEARING

Wear it anyway 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 loud and clear audio.



BLUETOOTH LED*

TRANSMIT / RECEIVE LED

VOLUME TOGGLE

HIGH VISIBILITY STROBE LIGHT

RECESSED PUSH-TO-TALK BUTTON

WATER RESISTANT SPEAKER

PROGRAMMABLE BUTTON

FIELD REPLACEABLE EXTREME TEMPERATURE CABLE

LARGE YET PROTECTED EMERGENCY BUTTON

CHANNEL KNOB

MULTI-MIC NOISE SUPPRESSION

REFLECTIVE LABEL

HIGH IMPACT GREEN HOUSING



EXTREME PERFORMANCE

Rugged, robust, reliable

Whether you are in the heat of a fire or exposed to extreme weather conditions, the XE500 will keep you connected to your team. This RSM was designed to withstand heat exposure of 500°F (260°C) for up to 5 minutes. Built as a system, the APX 8000XE and the XE500 have been tested to meet IP68 (2 meters, 4 hours) submersibility specifications.

*Bluetooth LED displays radio Bluetooth connectivity with future SW release.

D-RING LOOP

360° CLAMPING CLIP



APX XE500 REMOTE SPEAKER MICROPHONE SPECIFICATIONS*

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

MIC ACOUSTICS

Microphone Type	5 integrated microphones with Adaptive Audio and windporting
Sensitivity (@ 1inch)	-42dBV typical

SPEAKER

Rated Power*	2W
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CONTROLS

Channel	Available with a 16 position channel knob or without a channel knob
Volume Toggle	Single up/down steps in 10 intervals
Side Button	Push-to-talk button
Top Button	Orange button
Side Button	One programmable button
Front Button	One strobe light control

ENVIRONMENTAL SPECIFICATIONS

Operating Temp	-40 Degree Celcius to +85 Degree Celcius
Heat Rating	1. NIST Class I, II, III, IV compliant for cable and RSM head 2. 950 Degree Celcius 10 seconds passed for RSM head
Humidity	90-95% relative humidity at +50 Degree Celcius for 8 hours
ESD	IEC/EN61000-4-2
IP Rating	IP68 (2 meters, 4 hours submersion)
Weight in grams	PMMN4106: 333, PMMN4107: 326
Size in mm without clip	75 x 98 x 33
MIL Specs	Meets MIL810F and G for Rain, Salt/Fog, Dust, Vibration and Mechanical Shock

RADIO COMPATIBILITY & HAZARDOUS CERTIFICATION

Hazardous Certified Radios	The XE500 RSM is UL certified with UL certified Motorola APX radios, please see your radio's UL manual for more information.
FM Certified Radios	The XE500 is not FM approved. Although it will work with legacy FM approved radios, due to FM changes, Motorola will not be able to FM approve the XE500 RSM.

PART NUMBERS

PMMN4106	XE500, high impact green, channel knob
PMMN4106_BLK	XE500, black, channel knob
PMMN4107	XE500, high impact green, no channel knob
PMMN4107_BLK	XE500, black no channel knob



PMMN4107



PMMN4107_BLK



PMMN4106



PMMN4106_BLK

APX™ 8000XE ALL-BAND P25 PORTABLE RADIO

The APX 8000XE is redefining mission critical communications by delivering an ultra-durable radio that combines unlimited interoperability, loud audio, and secure WiFi connectivity.

UNLIMITED MOBILITY. EXTREME PERFORMANCE.

*All specifications are subject to change.

For more information, please visit: www.motorolasolutions.com/XE500



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