MOTOROLA SOLUTIONS

APX XE500

ULTIMATE USABILITY.
EXTREME PERFORMANCE.

KEY FEATURES

- Channel Knob
- High Visibility Strobe Light
- Adaptive Audio Engine
- IP68, 2 metres, 4 Hours Submersion
- Heat Resistant Housing and Cable
- Orange Illuminated Emergency Button
- Transmit / Receive LED

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.

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.

ADAPTIVE AUDIO ENGINE

Hear and be heard

The XE500 RSM utilises 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 equalisation to produce clear and loud audio in any environment.

FLEXIBLE WEARING

Wear it 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 loud and clear audio.

LARGE YET PROTECTED EMERGENCY BUTTON

CHANNEL KNOB

BLUETOOTH LED*

TRANSMIT / RECEIVE LED

VOLUME TOGGLE

HIGH VISIBILITY STROBE LIGHT

REFLECTIVE LABEL

RECESSED PUSH-TO-TALK BUTTON

WATER SHEDDING SPEAKER

HIGH IMPACT GREEN HOUSING

PROGRAMMABLE BUTTON

FIELD REPLACEABLE EXTREME TEMPERATURE CABLE

MOTOROLA

XE500

D-RING LOOP

360⁰ CLAMPING CLIP

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 260°C for up to 5 minutes. Built as a system, the APX 8000XE and the XE500 have been tested to meet IP68 (2 metres, 4 hours) submersibility specifications.

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

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

CONTROLS

Channel	YES , 16 Position 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 Degrees Celcius to +85 Degrees Celcius
Heat Rating	1. NIST Class I, II, III, IV compliant for cable and RSM head 2. 950 Degree Celsius 10 seconds passed for RSM head
Humidity	90-95% relative humidity at +50 Degree Celsius for 8 hours
ESD	IEC/EN61000-4-2
IP Rating	IP68 (2 metres, 4 hours submersion)
Weight in grams	347
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 is UL Certified with the following UL Certified and compatible radios**: APX 8000XE, APX 6000, APX 6000XE, APX 6000Li, APX 7000, APX 7000XE, SRX 2200
Non Hazardous Certified Radios	The XE500 is compatible with the following radios but does not meet UL certification: APX 8000, APX 8000XE, APX 6000, APX 6000XE, APX 6000Li, APX 7000, APX 7000 XE, APX 4000, SRX 2200
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
PMMN4106BLK	XE500, black, channel knob

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.

For more information, please visit: www.motorolasolutions.com.au

*All specification are subject to change.
** For detailed hazardous location rating see radio manual

MOTOROLA SOLUTIONS