



# XVE500

## Remote speaker microphone

Hear and be heard  
like never before.

Four HDR microphones and the loudest, clearest speaker deliver precise communications in the extreme.

### Details

Newest to the Xtreme Voice Remote Speaker Microphone lineup, the XVE500 is the next generation mission-critical RSM designed for optimal use with APX NEXT™ XE. Equipped with four high dynamic range mics, automatic audio leveling and noise reduction, and built in ViQi button, the XVE500 RSM delivers the clearest and loudest audio communications with easy access to radio controls and critical information. Whether you are in the heat of a fire or exposed to extreme weather conditions, the XVE500 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.

### Key Features

- Heat resistant housing and cable
- Loudest, clearest speaker
- Four High Dynamic Range (HDR) microphones
- Dedicated ViQi button
- Water and Windshielding
- New adaptive noise suppression
- Illuminated emergency button



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## Clearly better audio

In dynamic, high-stakes conditions, nothing outperforms the immediacy of voice communications. But to be effective, you need to hear and be heard clearly - even in ridiculously noisy environments.

The XVE500 RSM utilizes 4 HDR microphones, and is equipped with the loudest speaker we've ever produced. The HDR microphones feed into sophisticated algorithms which track your voice and filter out the surrounding noise for superior clarity. The mics are arranged for all-round coverage, so the technology is effective from every direction.

In order to reduce the roar of wind noise, the RSM housing has been engineered to direct airflow away from those sensitive microphones.

Engineered for clearer and cleaner speech, the speaker cuts through typical first responder scene sirens and turmoil to deliver critical communications so you can hear and understand.

## Easy access to ViQi

ViQi is your virtual assistant, designed for public safety. The dedicated ViQi button on your XVE500 RSM allows you to operate ViQi from your shoulder.

It's ViQi's job to quickly provide the information you need to stay safe and effective. Use voice commands to run database queries for quick access to information and keep eyes up intelligence.

She understands natural language voice commands, from changing zone, channel and volume, to getting status checks. All while keeping your hands free and your focus on your surroundings.

## XVE500 RSM button configuration



## Extreme performance

Whether you are in the heat of a fire or exposed to extreme weather conditions, the XVE500 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 NEXT™ XE and the XVE500 have been tested to meet IP68 (2 meters, 4 hours) submersibility specifications.

### XVE500 RSM SPECIFICATIONS

GENERAL	
Part Number	PMMN4154, high impact green, channel knob
	PMMN4154_BLK, black, channel knob
	PMMN4152, high impact green, no channel knob
	PMMN4152_BLK, black, no channel knob
Compatible Radios	APX NEXT, APX NEXT XE, APX8000, APX8000XE, APX8000H, APX8000HXE
Dimensions (RSM Head Only)	75mm (W) x 98mm (L) x 34mm (D) (without Clamping Clip)
Weight (Full Kit)	12.34 oz (350 g) knob 11.92 oz. (338 g) no knob
Power Source	Radio
Emergency Button	Yes
1-dot Button	Yes
3-dot Button	Yes
Hot Microphone Feature	Supported through radio software configuration**
Noise Canceling	DINC-Xwb
Special Function	IMPRES™
Clip	360° Rotating Clamping Clip with D-ring

MICROPHONE	
Type	Quad Beam
Sensitivity	-42dBV typical
Distortion (THD)	<5% wideband
IMPRES™	Yes
Noise Cancellation	4 Microphone Adaptive Noise Suppression Algorithm
Windporting	Yes

SPEAKER	
Diameter	47mm
Rated Output Level	Max Power 3W (rated 0.5W @90 dB SPL @30cm)
Distortion (THD)	<15%

CONTROLS	
Top	Emergency (Orange), Channel Knob (16 positions)
Side	PTT, 1 Programmable (1-dot)
Front	1 Programmable (3-dot ViQi)
Volume	Up/Down
Strobe Light Button	1 Strobe Light Control (front facing)

\*\*Please contact your regional sales representative for more information.

## Flexible wearing

Where your XVE500 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 the loudest and clearest audio in the noisiest environments.

COMPATIBLE FIRMWARE		
	RADIO TYPE	RADIO FIRMWARE
XVE500 PMMN4154 (Knob)XVE500 PMMN4152 (No Knob)	APX	minimum R30.00.00
	APX NEXT	minimum R04.70.00

COILED CABLE	
Flex Life	100,000 cycles (minimum)
Pull Strength	40 lbs, Minimum Tensile, In-Line
Cable length	178mm (7 inch) coiled section
Accessory Connector Case	Polycarbonate Black

ENVIRONMENTAL	
Operating Temperature	-40°C to +85°C
Storage Temperature	-55°C to +85°C
Humidity	90% - 95% Relative Humidity at +50°C for 8 hours
ESD	IEC / EN61000-4-2
IP Rating	IP68 (2 meters, 4 hours)
Impact Grill	1.25in (31.75mm) Diameter
Work-When-Wet	Yes

HAZARDOUS CERTIFICATION	
Div 1:	Class I (Groups C, D), Class II (Groups E, F, G) and Class III
Div 2:	Class I (Group A,B,C & D), Class II (Groups F, G) and Class III
The XVE500 RSM is UL certified for Motorola radios, please see your radio's UL manual for more information.	

REPLACEMENT PARTS	
PMLN7633	Replacement Clip
PMLN7653	Replacement Knob
CB001138A01	Extreme Temperature Replacement Cable
NNTN8749	RSM Clip Button (pack of 5)



No channel knob





**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,	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 APX NEXT XE accessories, please visit [motorolasolutions.com/apxnextxeradio](https://motorolasolutions.com/apxnextxeradio)



**APX  
NEXT**



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