

XVP REMOTE SPEAKER MICROPHONE

MAXIMISE YOUR MISSION CRITICAL VOICE TECHNOLOGY

THE XVP RSM UTILISES AN ENHANCED END-TO-END AUDIO DESIGN FOR INCREASED CLARITY THAT ENABLES MORE INTELLIGIBLE COMMUNICATIONS IN THE LOUDEST ENVIRONMENTS AND SPEAKING FROM ANY DIRECTION.

DETAILS

The mission critical Xtreme Voice Plus (XVP830 / XVP850) Remote Speaker Microphone delivers the clearest and loudest audio communications in a sleek, compact package. Built to work as a system, the XVP RSM leverages your APX™ or APX NEXT radio audio capabilities to strengthen the most important thread of your lifeline: ultra-clear voice communications. So no matter where you are or how you speak, you can be confident that, for every message, you'll hear and be heard clearly.

In dynamic, high-stakes conditions, nothing outperforms the immediacy of voice communications. To be most effective, experience optimal audio performance with the XVP RSM when compared to standard single or dual mic RSM designs.

KEY FEATURES

- Loudest, clearest speaker
- **Multi-mic capability:** four high dynamic range microphones
- Advanced windporting
- Adaptive noise suppression
- Intrinsically safe, Div 1 certified
- Enhanced ergonomic design



OPTIMISED AUDIO STARTS WITH BETTER INPUTS

Four high dynamic range (HDR) microphones are arranged for all-round coverage, so communications are clear from every direction and different usage positions. The HDR microphone technology prevents loud speech from distorting, even when shouting in extreme noise environments.

Four microphones arranged around the XVP allow for even better noise cancellation. The adaptive noise suppression tracks your voice and filters out surrounding background noise for superior clarity. As the noise environment changes, so will the XVP to adjust for maximum noise cancellation.

The arrangement of four HDR mics also provides a significant reduction of muffled audio over earlier RSM designs, no matter how you hold the XVP.

To take noise suppression even further, all HDR microphones are wind ported and placed behind our exclusively engineered housing to further redirect airflow and water drain. This mitigates any leftover wind noise.

LOUD AND INTELLIGIBLE

The XVP RSM speaker has been specially engineered to improve speaker clarity while maintaining best in class loudness over previous RSM designs. At the highest volume, the RSM will maintain intelligible audio output to cut through the noisiest environments and maintain audio richness at mid to low volumes.

The XVP RSM enhances APX and APX NEXT series radios to engage the full features of the adaptive audio engine to dynamically optimise the radio's performance in the presence of background noise. Adaptive microphone gain control and adaptive speaker equalization build upon the adaptive noise suppression and wind porting to provide the loudest, most intelligible audio in any environment, even at maximum volume.

The Algorithm in the XVP RSM allows for additional audio features enabled in the radio to be used through the RSM, such as Receive Volume Leveling in APX NEXT series radios. Set the volume once. The radio will adjust the RSM volume based on the power of the received audio of loud or soft talkers.

XVP RSM BUTTON CONFIGURATION



** Available without channel knob*

XVP RSM SPECIFICATIONS

GENERAL

XVP850 Part Number with Channel Knob	PMMN4135
XVP830 Part Number without Channel Knob	PMMN4136
Dimensions (RSM Head only) Channel Knob	3.66 x 2.27 x 1.21 in (93 x 58 x 31 mm)
Weight (Total Kit)	PMMN4135: 10.05 oz. (285 g) PMMN4136: 10.23 (290 g)
Clip	360° Rotating Clip with D-Ring
Colour	Black
Power Source	Radio Battery
Secondary Accessory Interfaces	3.5 mm Non-threaded
Intrinsically Safe	Div 1 Class I (Groups C, D), Class II (Groups E, F, G), Class III Div 2 Class I (Groups A, B, C, D), Class II (Groups F, G) Class III

MICROPHONE

Type	Beam Forming
Sensitivity	-42dBV Typical
Distortion (THD)	<5% wideband
Hot Microphone Feature	Yes
IMPRES™	Yes
Noise Cancellation	4 Microphone Adaptive Noise Suppression Algorithm
Windporting Microphone	Yes
Adaptive Audio Engine	Enabled through radio*

SPEAKER

Diameter	1.9 in (47 mm)
Speech Loudness @12 in (300mm)	105 Phon**
Distortion (THD)	<15%

CONTROLS

Top	Orange Emergency, Volume up/down, channel control (PMMN4135A only)
Side	PTT, 2 Programmable (1-dot, 2-dot)
Front	1 Programmable (3-dot ViQi)

* For more information on APX accessories, please visit: www.motorolasolutions.com/apx
** RSM loudness with legacy APX 6000 (AN) and SRX 2200 (AN) model is 101 Phon.

The dedicated ViQi button* allows users to send voice commands from the RSM for simple radio control or run database queries and keep eyes up intelligence.

* ViQi Assistant must be installed in the radio in order to enable ViQi commands from RSM.

CABLE

Length	11 in (280 mm) Coiled Length
Flex Life	100k Cycles Minimum
Pull Strength	40 lbs (18.14 kg) Minimum
Cable Jacket	Thermoplastic Elastomer (TPE)

ENVIRONMENTAL

Operating Temperature	-30°C to +60°C (-22°F to +140°F)
Storage Temperature	-55°C to +85°C (-67°F to +185°F)
Mil Specs	MIL810H Method 506.4 (Rain), MIL810H Method 509.4 Procedure 1 (Salt Fog), MIL810H Method 510.4 Procedure 1 (Dust), MIL810H Method 514.5 Procedure 1 Category 24 (Vibration), MIL810H Method 516.5 Procedure 1 (Vibration)
ESD	IEC / EN 61000-4-2
IP Rating	IP68 (2 metres, 4 hours)
Impact Grill	1.25 in (31.75 mm) Diameter Steel Ball Drop
Work-When-Wet	Yes

SECONDARY AUDIO ACCESSORY

Kit Number	Description
PMLN8120	3.5mm Xtra Loud Receive Only Earpiece with Translucent Tube

REPLACEMENT PART

Kit Number	Description
PMLN8312	Low profile swivel clip with D-ring
PMLN8313	Channel knob
PMKN4260	Coil cord

COMPATIBLE RADIOS

APX 6000, APX 6000XE, APX 8000, APX 8000XE, APX 8000H, APX 8000HXE, SRX 2200, APX NEXT, APX NEXT XE

COMPATIBLE RADIO FIRMWARE

APX Radios : R24.00.00 and beyond
APX NEXT Radios: R03.20.00 and beyond





For a complete list of APX accessories, please visit
motorolasolutions.com/apx-next-story



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