

ADD VALUE WITH MOTOROLA ORIGINAL[®] ACCESSORIES



BENEFITS OF MOTOROLA ATEX ACTIVE NOISE CANCELLING RSM (ANC RSM)



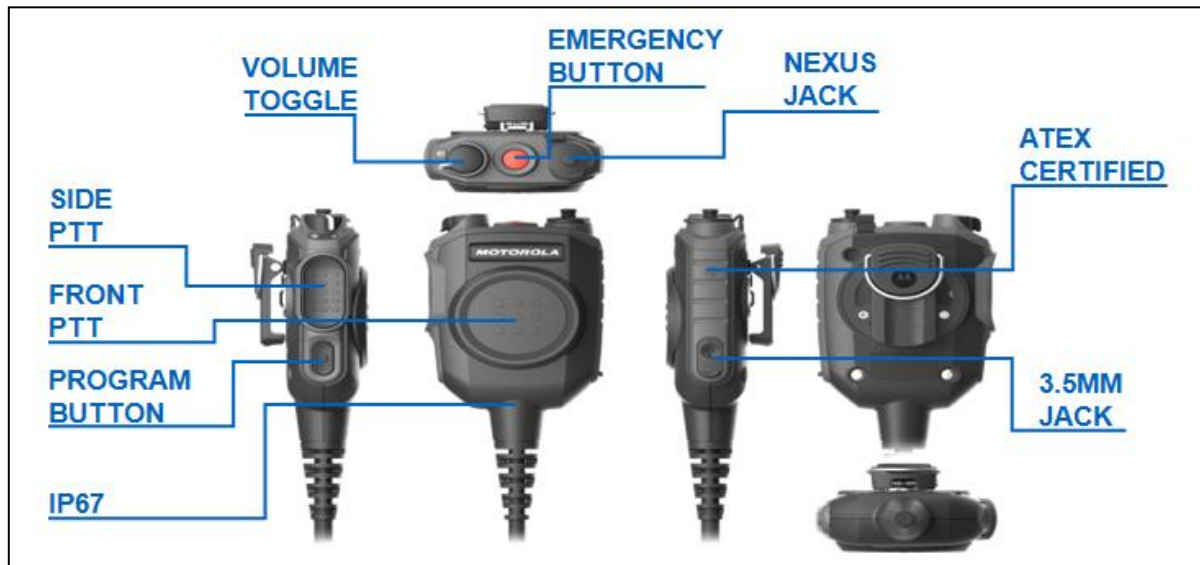
ATEX environments are often tough and noisy, so your communication equipment needs to be able to withstand the knocks of everyday use, and to be loud and clear enough to be heard. Motorola can offer the ideal solution: the new Active Noise Cancelling Remote Speaker Microphone (ANC RSM) combined with a MOTOTRBO DP4000 Ex Series or TETRA MTP8000 Ex radio.

Designed specifically for use in harsh ATEX environments, the ANC RSM offers large front and side PTT buttons, volume toggle control, programmable button, dedicated orange emergency button and 3.5mm earpiece connector, all housed in an IP67 waterproof housing. The ANC RSM also hosts a Nexus socket, to allow connection to a large range of 3rd party headset accessories to provide users with a complete communications solution.

There are two versions of the ANC RSM:
MOTOTRBO DP4000 Ex Series use PMMN4094
TETRA MTP8000Ex Series use PMMN4093

ATEX ACTIVE NOISE CANCELLING RSM

The ANC RSM is a specialist solution for users operating in harsh, noisy environments.



Loud Volume

The ANC RSM's front PTT hides a large speaker delivering high volume levels, and the volume toggle switch on the top of the RSM makes adjusting volume level simple.

Active Noise Cancelling System

Making your transmission heard above the clamour and noise is critical. This is achieved by holding the ANC RSM 2 - 3 cm from the mouth and talking in a loud clear voice into the single noise cancelling microphone located behind the MOTOROLA badge. ANC RSM utilises Digital Signal Processing combined with unique software algorithms to filter out background noise, ensuring only your voice is transmitted.



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Dual PTT Buttons

The ANC has been designed to be easy to use, even when wearing gloves. With two large PTT buttons (one on the side and one on the front), making transmissions is easy.

Emergency Button

In emergency situations, the dedicated orange Emergency button located at the top of the RSM is easily accessible to alert others or call for help

Programmable Button

A dual function programmable button is located on the side of the ANC RSM. The button can be programmed for long or short press to provide quick access to two commonly used radio functions.



3.5mm Connection

In moderate noise environments, a light-weight earpiece (PMLN7188) can help users to hear messages more clearly. The ANC RSM has an innovative twist and lock 3.5mm socket that facilitates connection to an earpiece, maintaining the IP67 rating and ensuring it will not disconnect accidentally. When not in use, the socket is protected with a slide lock cover to keep out water and dust.



Nexus Connection

The Nexus socket supports a range of headsets from 3rd party suppliers including Peltor for Oil, Gas & Industrial situations, while for Fire Rescue Services Savox HC-1 and Dreger FPS Coms Plus headsets are the preferred choice.

When connected to the ANC RSM these headsets are considered a part of the communication system and must be ATEX/IECEx approved as a complete system.

Peltor Headsets and ANC RSM

Motorola Solutions has a range of Peltor headsets that are ATEX/IECEX approved as a complete system with DP4000 Ex or MTP8000Ex Series radios. These headsets protect the user's hearing from exposure to excessive noise, whilst still allowing them to hear radio communications.



Heavy Duty headsets are the entry level. They are easy to use and light-weight with ear cups to attenuate noise by 24dB. The high performing dynamic noise cancelling boom microphone is adjustable allowing for optimal position close to the mouth. The Heavy Duty Headsets are available in two different configurations: over-the-head or helmet attachment.

The Twin Cup range is designed to be attached to a protective helmet and provides even greater noise defence for the ears with a double layer of attenuation materials affording increased protection.

Tactical headsets provide the ultimate in hearing protection by shielding your ears whilst maintaining your peripheral listening. Built in amplified microphones in each ear cup pick up noise around the user and transfer the sounds to their ears, alert them to approaching vehicles or allowing the convenience of face to face conversations without the need to remove the headset.



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COMPLETE PORTFOLIO

In addition to RSMs and hedsets, Motorola offers a range of other accessories for the DP4000 Ex and MTP8000Ex Series radios. Belt clips or carry cases keep the keep the hands free and help protect the radio from knocks and single- or multi-unit chargers are available to charge the IMPRES battery. It is important to note that chargers are not approved for use in hazardous locations and must never be used in such areas. Likewise, connecting or disconnecting radio accessories such as the audio connector or IMPRES battery must never be carried out within the hazardous area or when the radio is switched on.

ATEX CERTIFIED SOLUTION

Our modern lifestyles are possible thanks to large-scale power generation and distribution, efficient transportation and advanced manufacturing processes. We all rely on these industries, but they often generate vapours, gases and particles that can be highly explosive when mixed with air. Industries such as oil & gas exploration, extraction, refining and distribution, aircraft refuelling, manufacturing, mining and Fire Rescue Services can all benefit from efficient communication using two-way radios. However, the use of electronic equipment under these conditions can potentially cause the substances to combust leading to catastrophic results. ATEX and IECEx regulations aim to minimise the risk within these potentially explosive environments by defining rigid parameters that equipment should meet. Within the European Union, it is a legal requirement for equipment being operated within potentially explosive environments to meet the ATEX Directives, and other companies and countries are also adopting the same standards to help protect their workers and physical assets.



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The ATEX regulations apply to individual elements that make up an equipment system, and also to the system as a whole. There is a common misconception that two separately certified pieces of equipment connected together will meet the ATEX requirements, but this is not necessarily true. Motorola tests our radios and accessories together as a complete system so users can be sure their radio solutions meets the regulations.

SUMMARY

ANC RSM's noise cancelling microphone and Digital Signal Processing reduces transmitted background noise. The powerful built-in speaker makes hearing received messages easier and in louder environments, the 3.5mm and Nexus connectors allow the use of approved earpieces and headsets for improved audio. Its controls have been designed for ease of use, even when wearing gloves, and the rugged IP67 housing can withstand the knocks of everyday use. ANC RSM has been ATEX/IECEX approved as a complete system when used with DP4000 Ex or MTP800Ex Series radios.

When operating in ATEX environments, users need a communication system they can trust to get the message through, to be easy to use and to meet the regulations. Motorola's new Active Noise Cancelling Remote Speaker Microphone (ANC RSM) combined with a MOTOTRBO DP4000 Ex Series or TETRA MTP8000 Ex radio fits the bill.

