

Motorola R7Ex ATEX- portable - two-way radio

The intrinsically safe MOTOTRBO R7Ex two-way radio is ATEX and IECEx certified for use in hazardous environments. It is dust-tight and waterproof to withstand tough environments, and delivers loud, clear audio to help reduce downtime through enhanced worker safety and productivity.



Features

- ATEX and IECEx certified intrinsically safe
- IECEx IP66 & IP68 dust-tight and waterproof
- Loud audio programmable up to 108 phons
- Easy-to-use controls and status indications
- AI-trained noise suppression cuts background noise
- GNSS location tracking
- Long talk time up to 23.5 hours on a single charge
- Built-in Bluetooth and Wi-Fi

Work safer

R7Ex is ATEX and IECEx certified for use in areas where flammable gases, vapours, mist and dust may be present, and its prominent blue colouring makes it easy to identify radios that are safe to use. A dedicated, easy-to-reach emergency button allows users to quickly notify others of problems, and Lone Worker and Fall Alert features can automatically call for help when the user is incapacitated. R7Ex features built-in GNSS and Bluetooth that can help quickly locate workers inside or outdoors in case of emergency.

Hear clearer

Large machinery, plant equipment and heavy vehicles can all create high noise levels that make it difficult for workers to hear messages. R7Ex uses advanced audio processing and speaker design, so messages can get through louder and clearer. It features AI-trained noise cancellation to reduce background noise, and a powerful 2.5W low-distortion speaker that delivers loud, clear audio. R7Ex can deliver up to 108 phons loudness, plus a range of ATEX-certified headsets is available that provide hearing defence while allowing workers to hear messages in noisy environments.

Perform better

R7Ex provides secure, reliable push-to-talk communications that can help maximise uptime by preventing accidents, equipment breakdown and operator error, and can speed up resolutions if incidents do occur. With wide area coverage and R7Ex's built-in voice recording and playback, workers never need to miss a call. Its text messaging is ideal for noisy

environments, when detailed information such as equipment serial numbers are being shared, or information needs to be retained for later use, and text-to-speech will read out text messages, allowing the user to keep their attention on their task.

TECHNICAL SPECIFICATIONS

Frequency band	UHF
Battery life	23.5 hours in digital mode, 20.5 hours in analogue mode
1 Watt	yes
Repeater capable	yes
Standard battery chemistry type	Lithium Ion IP68 2150 mAh
Emergency button	yes
Display	no display
Dimensions (h x w x d) with standard battery	140 x 57 x 38 mm (hxxwd)
Keypad	none
Weight with battery	excl. antenna: 419 gr incl. whip antenna: 441 gr
Noise reduction software	yes
Ambient temperature	-30°C to +60°C
Approvals	IP66, ATEX IECEx, MED