

Brochure

MOTOTRBO™ XPR™ 6580 I.S.

CSA certified portable two-way radio

Make sure your radios work wherever you work



MOTOROLA SOLUTIONS

Superior technology for the toughest environments

Gas. Vapors. Combustible dust. Your workers face hazards every day. How do you connect them in the most challenging environments? Increase their efficiency while lowering your costs? Versatile and powerful, MOTOTRBO™ XPR™ 6580 I.S. combines the best of two-way radio functionality with the latest digital technology. It integrates voice and data seamlessly, offers enhanced features that are easy to use and delivers increased capacity from the oil refinery to the factory floor. With exceptional voice quality and long battery life, XPR 6580 I.S. keeps your crews connected when communication is a must.

Advanced performance

By integrating voice and data in one device, you increase operating efficiency with applications like Text Messaging and GPS tracking. Because the XPR 6580 I.S. uses TDMA digital technology, it delivers twice the calling capacity for the price of one frequency license, plus clearer voice communications without static or noise. And the leading-edge IMPRES™ technology in batteries, chargers and audio accessories ensures longer talk time and clearer audio.

Expanded capacity and coverage

Repairing a gas line or operating an oil rig, your people need non-stop communications wherever they work. MOTOTRBO's IP Site Connect dramatically improves service and productivity by using the Internet to extend coverage anywhere in the world. Scalable Capacity Plus expands capacity to up to 1,600 users per site and Capacity Max multi-site digital trunking accommodates high volume and wide area communication easily.

Migrate at your own pace

It's easy to migrate to digital with the XPR 6580 I.S. radio. Whether you use an analog conventional or SMARTNET®/Privacy Plus™ analog trunking system, you can migrate to digital with a simple software upgrade¹ – no additional hardware required. So you can use XPR 6580 I.S. radios on your existing analog system, and when your time and budget allow you can begin migrating to digital at your own pace.

Industry-leading applications

The Motorola Solutions Application Developer Program offers customized data applications to adapt radios to your unique needs – from work order ticket management to network management, email gateways to location tracking, worker fall alerts, dispatch consoles to telephony integration. Whether you send text messages, track work order information or pinpoint crew locations with integrated GPS, the XPR 6580 I.S. paves the way with nimble applications on one device.

Reliable durability

XPR 6580 I.S. meets the most demanding specs, including IP67 for water submersibility and U.S. Military 810 C, D, E, F and G. It's "intrinsically safe" when purchased and equipped with a CSA certified battery, for use where flammable gas, vapors or combustible dust may be present. And backed by a two-year Standard Warranty, one-year Repair Service Advantage (US)/ Extended Warranty (Canada) and minimum 1-year warranty for accessories.

Added functionality

Get added functionality, including dispatch capability with Motorola Solutions dispatcher consoles, enhanced call signaling, basic and enhanced privacy-scrambling, option board expandability and compatibility with SCADA solutions for utility and public service monitoring and alarms. Our transmit interrupt suite – with voice interrupt, emergency voice interrupt or data over voice interrupt – prioritizes communication the moment you need it.

¹ MOTOTRBO digital and SMARTNET/SmartZone™/Privacy Plus operation are not supported simultaneously.



Seamless performance and certified safety

Features at a glance

- Flexible, menu-driven interface with user-friendly icons or two lines of text for ease of reading text messages² and navigating through the menus.
- Emergency button alerts supervisor or dispatcher in an emergency situation.
- Accessory connector meets IP67 submersibility specifications and incorporates USB and IMPRES™ audio capability.
- Large, easy-to-use navigation buttons allow easy access to intuitive menu-driven interfaces.
- Radio housing meets IP67 specifications; submersible in 1 meter of fresh water up to 30 minutes.
- Powerful, front projecting speaker.
- Three side and two front programmable buttons for easy access to favorite features.
- Large, textured push-to-talk button provides good tactile response and easy access, even when wearing gloves.

Analog trunking features

- 20 trunked systems with 240 conventional channels or trunked personalities
- 130 zones with 16 trunked talkgroups per zone
- Companding and HearClear audio enhancement options for 12.5 KHz channels
- Available for Type II 800/900 MHz Privacy Plus Enhanced SMARTNET, StartSite™, SmartWorks™ and SmartZone™ trunked systems

Digital features

- Up to 1,000 channels
- Digital calling features: call alert, emergency, push-to-talk ID, radio check, remote monitor, private call, all call, transmit interrupt, radio disable
- Basic or Enhanced Privacy – built-in scrambling for increased security
- Operates on IP Site Connect, Capacity Plus and Connect Plus digital systems
- Supports RAS (Restricted Access to System), which restricts radio access only to authorized users



² Digital feature.



Standard package

- Display portable radio
- 800 / 900 MHz GPS antenna
- IMPRES Li-Ion 1750 mAh battery
- IMPRES Single Unit Charger
- 2.5" belt clip
- Dust cover for accessory connector
- Built-in expansion card and integrated GPS module²
- Two-year standard warranty plus one-year repair service advantage (US only)/ extended warranty (Canada only)

²Digital feature.



Leading-edge accessories

It is imperative you use Motorola Solutions certified batteries and accessories with your XPR 6580 I.S. – the only ones certified by CSA as “intrinsically safe” for use with this radio.

INC Remote Speaker Microphone

Unleash the power of Motorola Solutions’ Industrial Noise Cancelling (INC) Remote Speaker Microphone (RSM) and be heard in noisy, dirty and difficult environments. An innovative dual-microphone design suppresses background noise so you can hear and be heard. Plus, a large 1-watt speaker delivers the loudest, clearest audio available – up to 25% more than other MOTOTRBO RSMs – so you can hear above very high level noise.



NNTN8383³

IMPRES INC Remote Speaker Microphone with threaded 3.5mm audio jack. Compatible with BDN6781 (one wire earbud, black), RLN5314 (one wire earpiece with clear acoustic tube, beige) and RLN5313 (one wire earpiece with clear acoustic tube, black).

NNTN8382³

IMPRES INC Remote Speaker Microphone, IP57 submersible

Remote speaker microphones

PMMN4067

IMPRES CSA Remote Speaker Microphone (IP64) with volume switch and emergency button. Offers advanced IMPRES™ audio and Windporting for exceptional performance, especially in windy or high noise environments.



PMMN4050

IMPRES Remote Speaker Microphone (IP54) with 3.5 mm audio jack. Offers advanced IMPRES audio and noise cancelling microphone for exceptional performance when loud machines are running in the background.

Remote speaker microphones accessories

RLN4941

Receive-only earpiece with translucent tube and rubber eartip. Compatible with PMMN4050 only.

³ INC RSM (NNTN8382 or NNTN8383) when connected to the XPR 6580 I.S. CSA radio should only be used in digital mode.





Leather carry accessories

Swivel belt loop cases have a metal d-ring to help keep the case secure in high activity situations.

PMLN5606

Hard leather
carry case

PMLN5607

Soft leather
carry case

PMLN5134

2.5 inch
belt clip

PMLN5611

3 inch replacement
leather swivel belt loop

PMLN5610

2.5 inch replacement
leather swivel belt loop



IMPRES batteries and chargers

The IMPRES smart energy battery keeps your radio performing on long shifts. Only IMPRES batteries can be charged 150 additional times as compared to a standard battery - a 43% increase in charge cycles.

NNTN8287

IMPRES 1750 mAh Li-Ion
battery, Intrinsically Safe (CSA)

WPLN4232

IMPRES Single Unit
Charger

WPLN4219

IMPRES Multi-Unit
Charger with displays

WPLN4212

IMPRES Multi-Unit
Charger

Heavy duty headsets



NNTN8380⁴

3M™ Peltor™ heavy duty headset with
helmet attachment and noise-cancelling
boom microphone, 26dB noise reduction
rating. Requires NNTN8378 Push-to-talk
adapter. Helmet not included.



PMLN5275

Behind-the-head heavy duty
headset with 24dB noise
reduction rating. This dual-muff
headset includes flexible noise-
cancelling boom microphone
with a push-to-talk switch
located on the earcup. Can be
worn with or without a helmet.

NNTN8379⁴

3M Peltor Heavy Duty Headset with helmet attachment and
noise-cancelling boom microphone, 24dB noise reduction rating.
Requires NNTN8378 Push-to-talk adapter. Helmet not included.



PMLN8264⁵

3M Peltor receive-only dual-muff
heavy-duty hard hat mount headset.
For use with Remote Speaker
Microphone PMMN4050.



PMLN6804⁴

3M Peltor small Push-to-Talk adapter.



NNTN8378⁴

3M Peltor Push-to-Talk adapter, rugged
and easy to operate with heavy gloves on.

⁴ NNTN8378 or PMLN6804 PTT adapter must be ordered with 3M Peltor headsets NNTN8379 and NNTN8380.

⁵ PMLN8264 is the replacement for cancelled headset RMN4054.





To learn more, visit:
motorolasolutions.com/mototrbo



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