

Professional Digital Two-Way Radio SystemMOTOTRBO™



ACCELERATE PERFORMANCE.





Introducing MOTOTRBO™ Professional Digital Two-Way Radio System. The future of two-way radio.

The next-generation professional two-way radio communications solution is here, with more performance, productivity and value—thanks to digital technology that delivers increased capacity and spectrum efficiency, integrated data communications and enhanced voice communications. MOTOTRBO is ideal for professional organizations that need a customizable, business-critical communication solution using licensed spectrum.



Unique MOTOTRBO System Benefits for Enhanced Productivity

MOTOTRBO offers a private, standards-based, cost-effective solution that can be tailored to meet your unique coverage and feature needs. This versatile portfolio provides a complete system of portable radios, mobile radios, repeaters, accessories and services—a complete solution. MOTOTRBO:

- Uses Time-Division Multiple-Access (TDMA) technology to provide **twice the calling capacity** (as compared to analog or FDMA radios) for the price of one license. A second call doesn't require a second repeater, saving you equipment costs.
- Integrates voice and data to increase your operational efficiency and support integrated applications including MOTOTRBO Text Messaging Services and MOTOTRBO Location Services (GPS location tracking).
- Provides **clearer voice communications** throughout the coverage area as compared to analog radios rejecting static and noise.
- Enables **additional functionality** including dispatch data, and enhanced call signaling.
- Provides **easy migration** from analog to digital with the ability to operate in both analog and digital modes.

- Meets demanding specifications—IP57 for submersibility in water (portable models), U.S.
 Military 810 C, D, E and F, and Motorola standards for durability and reliability.
- Is **intrinsically safe** (portable models) and can be used in locations where flammable gas, vapors or combustible dust may be present.
- Utilizes Motorola's state-of-the-art IMPRES[™] technology in batteries, chargers and audio accessories, providing longer talk time and clearer audio delivery.
- Is **fully backed** by a two-year Standard Warranty plus one-year Repair Service Advantage (US only)/ Extended Warranty (Canada only).
- Is fully backed by at least a one-year Workmanship Warranty for IMPRES chargers and an 18-month Capacity Warranty for IMPRES batteries when used exclusively with IMPRES chargers.

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MOTOTRBO™ Integrated Data Enables Advanced Applications

MOTOTRBO is changing the way businesses communicate. You can gain the productivity of powerful data applications such as MOTOTRBO Location Services and Text Messaging Services now. And with additional applications coming from Motorola's Application Developer Program, you'll be able to leverage ongoing new capabilities—and get the most from your communications investment.



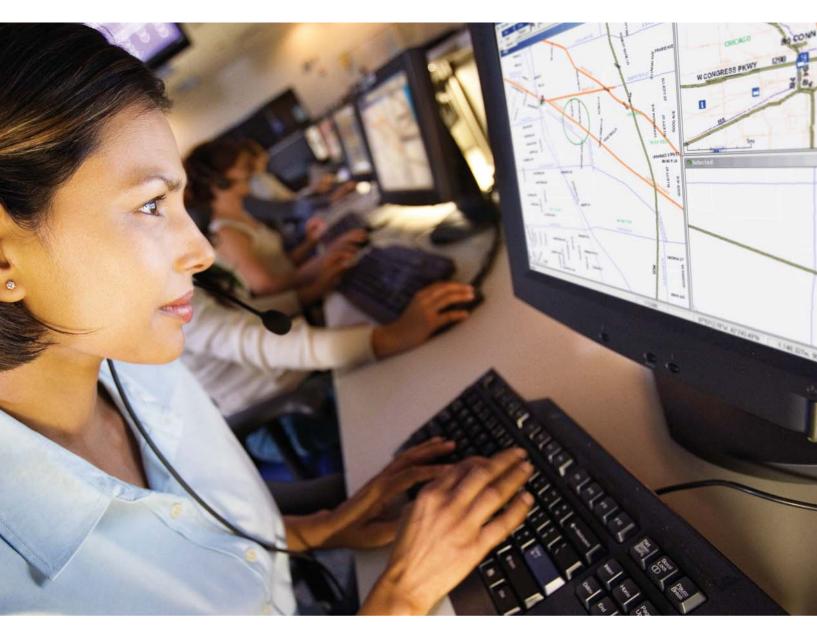
MOTOTRBO Location Services

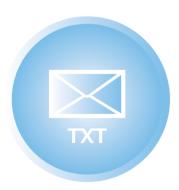
Location Services provides the ability to track people and assets, such as vehicles. This advanced approach takes advantage of the GPS modem and receiver integrated within both the portable and mobile radios, combined with the MOTOTRBO Location Services software application.

GPS-equipped portable and mobile radios can be configured to transmit their geographical coordinates at pre-programmed intervals, on demand and in case of an emergency. MOTOTRBO Location Services software applications provide dispatchers with a real-time display of fleet activity on a customized, high-resolution, color-coded map. With MOTOTRBO Location Services, you can enjoy the benefits of location tracking with no monthly fees or cumbersome external GPS devices to install and maintain

MOTOTRBO Application Developer Program

Third-party developers play an important role in supporting the market growth of the MOTOTRBO platform and in creating customized applications that will add value to you and your organization. Developers will extend the capabilities of MOTOTRBO and provide niche solutions that will satisfy a broad range of your needs. To encourage the development of a broad portfolio of end-user focused solutions and continuing





MOTOTRBO Text Messaging Services

The MOTOTRBO Text Messaging Services allows communication between radios and dispatch systems, between radios and email-addressable devices, and to remote PC clients attached to radios. This application allows you to utilize another form of communication for your business—whether its the need for discreet communication or the ability to send quick text messages. Thus enabling you to focus on the business at hand. Furthermore, the dispatcher PC can act as a gateway to email, enabling messaging between email-addressable devices and radios.

innovation, Motorola will provide support to its Application Developer Program, giving accredited developers access to the MOTOTRBO protocol and Application Programming Interface (API) documentation as well as online support. For more information, visit the MOTODEV website at http://developer.motorola.com.



Display Portable Radio Standard Package

- Display Portable Radio
- Antenna—Standard whip included with XPR 6500;
 Standard whip with GPS included with XPR 6550
- IMPRES™ Li-ion 1500 mAh Submersible Battery
- $\bullet \ \mathsf{IMPRES}^{\scriptscriptstyle\mathsf{TM}} \ \mathsf{Single} \ \mathsf{Unit} \ \mathsf{Charger}$
- 2.5" Belt Clip
- User Guide CD Kit (English and French Canadian)
- Two-year Standard Warranty plus one-year Repair Service Advantage (US only) / Extended Warranty (Canada only)

XPR™ 6500/6550 Display Portable Radios

- Flexible, menu-driven interface with user-friendly icons or two lines of text for ease of reading text messages and navigating through the menus.
- Tri-color LED indicator for clear, visible feedback of calling, scanning and monitoring features.
- 3 Emergency button alerts supervisor or dispatcher in an emergency situation. With XPR 6550, location coordinates can be sent to the dispatcher using the MOTOTRBO Location Services application.
- New accessory connector meets IP57 submersibility specifications and incorporates RF, USB and IMPRES™ audio capability.
- **5** XPR 6550 includes integrated GPS modem.
- 6 Large, easy-to-use navigation buttons allow easy access to intuitive menu-driven interfaces.
- Meets IP57 specifications; submersible in 1 meter of fresh water up to 30 minutes.
- 8 Powerful, front projecting speaker that transmits digital TDMA audio or 12.5/25 kHz analog audio.
- Three side and two front programmable buttons for easy access to favorite features. New features such as one-touch calling and quick text messaging are made even easier through programmable button access.
- Large, textured push-to-talk button provides good tactile response and easy access, even when wearing gloves.
- (11) 160 channels.

- Enhanced call management
 Encode/decode: call alert emergency, remote monitor, push-to-talk ID,
 radio check, private call, all call, radio disable
- Dual-mode analog and/or digital scan—facilitates a smooth migration from analog to digital
- Short free-form and quick text messaging
- Contacts list accommodates up to 256 contacts



XPR[™] 6300/6350* Non-Display Portable Radios

- Tri-color LED indicator for clear, visible feedback of calling, scanning and monitoring features.
- 2 Emergency button to alert supervisor or dispatcher in an emergency situation. With XPR 6350, location coordinates can be sent to the dispatcher using the MOTOTRBO Location Services application.
- New accessory connector meets IP57 submersibility specifications and incorporates RF, USB and IMPRES™ audio capability.
- 4 XPR 6350 includes integrated GPS modem.
- Meets IP57 specifications; submersible in 1 meter of fresh water up to 30 minutes.
- Powerful, front projecting speaker that transmits digital TDMA audio or 12.5/25 kHz analog audio.
- 7 Three side programmable buttons for easy access to favorite features. New features such as one-touch calling and quick text messaging are made even easier through programmable button access.
- 8 Large, textured push-to-talk button provides good tactile response and easy access, even when wearing gloves.
- 9 32 channels.

*XPR 6350 coming soon.

Non-Display Portable Radio Standard Package

- Non-Display Portable Radio
- Antenna—Standard whip included with XPR 6300;
 Standard whip with GPS included with XPR 6350
- IMPRES™ Li-ion 1500 mAh Submersible Battery
- IMPRES™ Single Unit Charger
- 2.5" Belt Clip
- User Guide CD Kit (English and French Canadian)
- Two-year Standard Warranty plus one-year Repair Service Advantage (US only) / Extended Warranty (Canada only)

- Enhanced call management
 Encode/Decode: private call, call alert
 Encode only: emergency, push-to-talk ID
 Decode only: radio check, remote monitor, radio disable, all call
- Dual-mode analog and/or digital scan—facilitates a smooth migration from analog to digital
- Send quick text messages via programmable buttons



XPR[™] 4500/4550 Display Mobile Radios

- Accessory connector supports USB and IMPRES™ audio capability.
- Multi-colored LED indicators for clear, visible feedback of calling, scanning and monitoring features.
- 3 Large, easy-to-use volume knob.
- (4) XPR 4550 includes integrated GPS modem.
- 5 160 channels.
- Powerful, front-projecting speaker that transmits 12.5 kHz digital TDMA audio or 12.5/25 kHz analog audio.
- Large, easy-to-use navigation buttons allow easy access to intuitive, menu-driven interfaces.
- 8 Flexible, menu-driven interface with user-friendly icons or two lines of text for ease of reading text messages and navigating through the menus.
- 9 Four programmable/replaceable buttons for easy access to favorite features. New features such as one-touch calling and text messaging are made even easier through programmable button access.
- (10) Compact and ergonomically friendly microphone.

Display Mobile Radio Standard Package

- Radio with Display Control Head
- Mounting Trunnion
- 10-Foot Power Cable
- Compact Microphone
- Replacement Button Kit: monitor, scan, backlight, emergency, talkaround, text message, contacts
- User and Installation Guide CD Kit (English and French Canadian)
- Two-year Standard Warranty plus one-year Repair Service Advantage (US only)/Extended Warranty (Canada only)

- Enhanced call management
 Encode/decode: call alert, emergency,
 remote monitor, push-to-talk ID, radio check,
 private call, all call, radio disable
- With XPR 4550, in an emergency, location coordinates can be sent to the dispatcher using the MOTOTRBO Location Services application
- Dual-mode analog and/or digital scan—facilitates a smooth migration from analog to digital
- Short free-form (requires keypad microphone) and quick text messaging
- Contacts list accommodates up to 256 contacts



XPR™ 4300/4350* Numeric Display Mobile Radios

- Accessory connector supports USB and IMPRES™ audio capability.
- Multi-colored LED indicators for clear, visible feedback of calling, scanning and monitoring features.
- 3 Large, easy-to-use volume knob.
- (4) XPR 4350 includes integrated GPS modem.
- **5** Large, easy-to-use channel navigation buttons.
- 6 Powerful, front-projecting speaker that transmits digital TDMA audio or 12.5/25 kHz analog audio.
- 32 channels; channel number is easy to read on large, clear numeric two-digit display.
- **8** Two programmable/replaceable buttons for easy access to favorite features. New features such as one-touch calling are made even easier through programmable button access.
- Compact and ergonomically friendly microphone.

*XPR 4350 coming soon.

Numeric Display Mobile Radio Standard Package

- Radio with Numeric Display Control Head
- Mounting Trunnion
- 10-Foot Power Cable
- Compact Microphone
- Replacement Button Kit: monitor, scan
- User and Installation Guide CD Kit (English and French Canadian)
- Two-year Standard Warranty plus one-year Repair Service Advantage (US only)/Extended Warranty (Canada only)

- Enhanced call management
 Encode/Decode: private call, call alert
 Encode only: emergency, push-to-talk ID
 Decode only: radio check, remote monitor,
 radio disable, all call
- With XPR 4350, in an emergency, location coordinates can be sent to the dispatcher using the MOTOTRBO Location Services application
- Dual-mode analog and/or digital scan facilitates a smooth migration from analog to digital
- Send quick text messages via programmable buttons



XPR[™] 8300 Repeater

- 100% continuous full duty cycle at 40 W.
- 2 Supports two simultaneous voice or data paths in digital TDMA mode.
- 3 Integrated power supply.
- Operates in analog or digital mode—bright, clear, colored LEDs indicate mode.
- 5 LEDs clearly indicate transmit and receive modes in both channel slots.
- 6 Rack- or wall-mountable—compatible with desktop housing as well.
- 7 Sturdy handles make installation and handling easier.
- 8 Automated battery back-up (battery sold separately).

Repeater Standard Package

- Repeater
- 120V AC Power Cord
- Installation Guide
- Two-year Standard Warranty

New Audio Accessory Connector Enables Enhanced Performance and Capabilities

Motorola digital technology enables breakthrough radio performance and features. And our new audio connector means MOTOTRBO™ accessories can offer you enhanced performance and capabilities—now and into the future.

• IMPRES™ Smart Audio System—Motorola's state-of-the-art IMPRES technology allows communication between the radio and the audio accessory. The result is optimal accessory performance assuring the highest quality communications.

Optimal Audio Performance: When an IMPRES accessory is attached, accessory identification is sent to the radio enabling the radio to optimize its output for each type of audio accessory. This results in more consistent output across all audio accessory types.

Customization: Accessory programmable buttons can be programmed to any feature available in the radio CPS, rather than being linked to radio programmable button programming. This allows accessory programmable buttons to have independent programmable features. The radio can be customized to fit your specific applications and needs.

- **Submersibility**—The new connector design meets IP57 submersibility requirements. This allows for use with submersible accessories, such as the submersible remote speaker microphone, which provides optimal message delivery even in wet conditions.
- Future Applications—The new portable connector design incorporates the antenna signal within the audio connector, which will allow for easy use of accessories that require an antenna signal, such as public safety speaker microphones. The built in USB capability will allow the use of USB-capable accessories. The new audio accessory interface is the Motorola standard audio accessory interface for mid- to high-tier two-way radios. Future accessory development will be based upon this new connector interface. You will be able to take advantage of future releases of new audio accessories.



MOTOTRBO™ Accessories

Portable Radio

Part Number	Description	Benefits
Audio		
PMMN4025	IMPRES Remote Speaker Microphone	These advanced Remote Speaker Microphones utilize advanced windporting technology that can help reduce background noise in windy conditions. The PMMN4024 and PMMN4025 have an earjack located on the microphone head to eliminate long wires. The PMMN4040
PMMN4024	Remote Speaker Microphone	has a higher IP57 water intrusion rating that helps provide first responders with high reliability in emergency situations.
PMMN4040	Remote Speaker Microphone - Submersible (IP57)	
PMMN4041	IMPRES Public Safety Microphone - 30* cable	Police and other emergency services professionals will appreciate the enhanced coverage and exceptional reliability of these public safety microphones. The PSM allows users to talk and listen without removing the radio from the belt, case or charger. Incorporates an earjack. For use with UHF frequency bands only.
PMMN4042	IMPRES Public Safety Microphone - 24" cable	
PMMN4043	IMPRES Public Safety Microphone - 18" cable	
RMN5058	Lightweight Headset	Lightweight headsets offer comfortable, extended wear use while providing high clarity and discreet communication in moderate noise environments.
RLN5878	Receive Only Surveillance Kit, Black	These compact units offer tremendous audio dynamics and leave hands free and face unobscured, so the user retains the ability for direct hearing and speaking.
RLN5879	Receive Only Surveillance Kit, Beige	iteating and speaking.
RLN5880	IMPRES 2 Wire Surveillance Kit, Black	
RLN5881	IMPRES 2 Wire Surveillance Kit, Beige	
RLN5882	IMPRES 2 Wire Surveillance Kit with Translucent Tube, Black	
RLN5883	IMPRES 2 Wire Surveillance Kit with Translucent Tube, Beige	
RLN4760	Small Custom Earpiece, Right Ear, for Surveillance Kits	
RLN4761	Medium Custom Earpiece, Right Ear, for Surveillance Kits	
RLN4762	Large Custom Earpiece, Right Ear, for Surveillance Kits	
RLN4763	Small Custom Earpiece, Left Ear, for Surveillance Kits	-
RLN4764	Medium Custom Earpiece Left Ear, for Surveillance Kits	
RLN4765	Large Custom Earpiece, Left Ear, for Surveillance Kits	
RLN5886	Surveillance Low Noise Kit	
RLN5887	Surveillance Extreme Noise Kit	
RLN4941	Receive Only Earpiece	These receive only earpieces plug into the PMMN4024 and PMMN4025 Remote Speaker Microphones and allow the user to receive communications discretely.
AARLN4885	Receive Only Earbud	communications discretely.
WADN4190	Over the Ear Receiver	
PMLN4620	D-Shell Receive Only Earpiece	
Batteries		
PMNN4066	IMPRES Li-ion 1500 mAh Submersible (IP57) Battery	Offer superior, long lasting performance. Automated maintenance and a six month extended capacity warranty when used with IMPRES chargers. Can be charged and reconditioned without being removed from the radio.
PMNN4069	IMPRES Li-ion 1400 mAh Submersible (IP57) Battery - Intrinsically Safe (FM)	
PMNN4065	NiMH 1300 mAh Submersible (IP57) Battery	NiMH chemistry offers an attractive combination of capacity, weight and cost.
Chargers WPLN4232	IMADDEC Circle Heis Channe	Provides adaptive, automatic reconditioning for IMPRES batteries to maximize talk time and cycle life. Advanced charging algorithm keeps
WPLN4232 WPLN4212	IMPRES Single Unit Charger IMPRES Multi Unit Charger	batteries analog and/or digital cooler so that they can be kept in the charger for extended periods. Display models provide real time charge
WPLN4219	IMPRES Multi Unit Charger with Displays	status information.
VVFLIN4Z IS	INFECT INITION CHARGE WITH DISPLAYS	
Carry Devices		
Carry Devices PMI N4651	2º Belt Clin	
PMLN4651	2" Belt Clip	
PMLN4651 PMLN4652	2.5" Belt Clip	Durable leather or rylon carry cases keen your radio and battery securely in place while permitting audio to be heard clearly. Fixed helt
PMLN4651 PMLN4652 PMLN5015	2.5" Belt Clip Nylon Carry Case with 3" Fixed Belt Loop for Display Radio	Durable leather or nylon carry cases keep your radio and battery securely in place while permitting audio to be heard clearly. Fixed belt loop and nylon cases feature D rings that allow the case to be attached to a carrying strap. Swivel cases secure to a belt loop and allow the
PMLN4651 PMLN4652 PMLN5015 PMLN5021	2.5" Belt Clip Nylon Carry Case with 3" Fixed Belt Loop for Display Radio Hard Leather Carry Case with 3" Fixed Belt Loop for Display Radio	
PMLN4651 PMLN4652 PMLN5015 PMLN5021 PMLN5019	2.5" Belt Clip Nylon Carry Case with 3" Fixed Belt Loop for Display Radio Hard Leather Carry Case with 3" Fixed Belt Loop for Display Radio Hard Leather Carry Case with 2.5" Swivel Belt Loop for Display Radio	loop and nylon cases feature D rings that allow the case to be attached to a carrying strap. Swivel cases secure to a belt loop and allow the case to swing freely from side to side. The swivel latch system allows fast, easy radio/case removal by simply inverting the case and lifting
PMLN4651 PMLN4652 PMLN5015 PMLN5021 PMLN5019 PMLN5020	2.5" Belt Clip Nylon Carry Case with 3" Fixed Belt Loop for Display Radio Hard Leather Carry Case with 3" Fixed Belt Loop for Display Radio Hard Leather Carry Case with 2.5" Swivel Belt Loop for Display Radio Hard Leather Carry Case with 3" Swivel Belt Loop for Display Radio	loop and nylon cases feature D rings that allow the case to be attached to a carrying strap. Swivel cases secure to a belt loop and allow the case to swing freely from side to side. The swivel latch system allows fast, easy radio/case removal by simply inverting the case and lifting
PMLN4651 PMLN4652 PMLN5015 PMLN5021 PMLN5019	2.5" Belt Clip Nylon Carry Case with 3" Fixed Belt Loop for Display Radio Hard Leather Carry Case with 3" Fixed Belt Loop for Display Radio Hard Leather Carry Case with 2.5" Swivel Belt Loop for Display Radio Hard Leather Carry Case with 3" Swivel Belt Loop for Display Radio Nylon Carry Case with 3" Fixed Belt Loop for Non-Display Radio	loop and nylon cases feature D rings that allow the case to be attached to a carrying strap. Swivel cases secure to a belt loop and allow the case to swing freely from side to side. The swivel latch system allows fast, easy radio/case removal by simply inverting the case and lifting
PMLN4651 PMLN4652 PMLN5015 PMLN5021 PMLN5019 PMLN5020 PMLN5024	2.5' Belt Clip Nylon Carry Case with 3' Fixed Belt Loop for Display Radio Hard Leather Carry Case with 3' Fixed Belt Loop for Display Radio Hard Leather Carry Case with 2.5' Swivel Belt Loop for Display Radio Hard Leather Carry Case with 3' Swivel Belt Loop for Display Radio Nylon Carry Case with 3' Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3' Fixed Belt Loop for Non-Display Radio	loop and nylon cases feature D rings that allow the case to be attached to a carrying strap. Swivel cases secure to a belt loop and allow the case to swing freely from side to side. The swivel latch system allows fast, easy radio/case removal by simply inverting the case and lifting
PMLN4651 PMLN4652 PMLN5015 PMLN5021 PMLN5019 PMLN5020 PMLN5020 PMLN5020 PMLN5020 PMLN5020 PMLN5030 PMLN5030	2.5' Belt Clip Nylon Carry Case with 3' Fixed Belt Loop for Display Radio Hard Leather Carry Case with 3' Fixed Belt Loop for Display Radio Hard Leather Carry Case with 2.5' Swivel Belt Loop for Display Radio Hard Leather Carry Case with 3' Swivel Belt Loop for Display Radio Nylon Carry Case with 3' Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3' Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 2.5' Swivel Belt Loop for Non-Display Radio	loop and nylon cases feature D rings that allow the case to be attached to a carrying strap. Swivel cases secure to a belt loop and allow the case to swing freely from side to side. The swivel latch system allows fast, easy radio/case removal by simply inverting the case and lifting
PMLN4651 PMLN4652 PMLN5015 PMLN5021 PMLN5019 PMLN5020 PMLN5020 PMLN5024 PMLN5030 PMLN5030 PMLN5028 PMLN5029	2.5' Belt Clip Nylon Carry Case with 3' Fixed Belt Loop for Display Radio Hard Leather Carry Case with 3' Fixed Belt Loop for Display Radio Hard Leather Carry Case with 2.5' Swivel Belt Loop for Display Radio Hard Leather Carry Case with 3' Swivel Belt Loop for Display Radio Nylon Carry Case with 3' Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3' Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 2.5' Swivel Belt Loop for Non-Display Radio Hard Leather Carry Case with 3' Swivel Belt Loop for Non-Display Radio	loop and nylon cases feature D rings that allow the case to be attached to a carrying strap. Swivel cases secure to a belt loop and allow the case to swing freely from side to side. The swivel latch system allows fast, easy radio/case removal by simply inverting the case and lifting
PMLN4651 PMLN4652 PMLN5015 PMLN5015 PMLN5021 PMLN5019 PMLN5020 PMLN5020 PMLN5020 PMLN5024 PMLN5030 PMLN5028 PMLN5029 PMLN5029	2.5' Belt Clip Nylon Carry Case with 3' Fixed Belt Loop for Display Radio Hard Leather Carry Case with 3' Fixed Belt Loop for Display Radio Hard Leather Carry Case with 2.5' Swivel Belt Loop for Display Radio Hard Leather Carry Case with 3' Swivel Belt Loop for Display Radio Nylon Carry Case with 3' Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3' Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 2.5' Swivel Belt Loop for Non-Display Radio Hard Leather Carry Case with 3' Swivel Belt Loop for Non-Display Radio 2.5' Replacement Swivel Belt Loop	loop and nylon cases feature D rings that allow the case to be attached to a carrying strap. Swivel cases secure to a belt loop and allow the case to swing freely from side to side. The swivel latch system allows fast, easy radio/case removal by simply inverting the case and lifting
PMLN4651 PMLN4652 PMLN5015 PMLN5015 PMLN5019 PMLN5019 PMLN5020 PMLN5020 PMLN5024 PMLN5030 PMLN5028 PMLN5029 PMLN5029 PMLN5022	2.5" Belt Clip Nylon Carry Case with 3" Fixed Belt Loop for Display Radio Hard Leather Carry Case with 3" Fixed Belt Loop for Display Radio Hard Leather Carry Case with 2.5" Swivel Belt Loop for Display Radio Hard Leather Carry Case with 3" Swivel Belt Loop for Display Radio Nylon Carry Case with 3" Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3" Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 2.5" Swivel Belt Loop for Non-Display Radio Hard Leather Carry Case with 3" Swivel Belt Loop for Non-Display Radio 2.5" Replacement Swivel Belt Loop 3" Replacement Swivel Belt Loop	loop and nylon cases feature D rings that allow the case to be attached to a carrying strap. Swivel cases secure to a belt loop and allow the case to swing freely from side to side. The swivel latch system allows fast, easy radio/case removal by simply inverting the case and lifting it up from the belt loop.
PMLN4651 PMLN4652 PMLN5015 PMLN5015 PMLN5021 PMLN5019 PMLN5020 PMLN5020 PMLN5020 PMLN5024 PMLN5030 PMLN5028 PMLN5029 PMLN5029	2.5' Belt Clip Nylon Carry Case with 3' Fixed Belt Loop for Display Radio Hard Leather Carry Case with 3' Fixed Belt Loop for Display Radio Hard Leather Carry Case with 2.5' Swivel Belt Loop for Display Radio Hard Leather Carry Case with 3' Swivel Belt Loop for Display Radio Nylon Carry Case with 3' Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3' Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 2.5' Swivel Belt Loop for Non-Display Radio Hard Leather Carry Case with 3' Swivel Belt Loop for Non-Display Radio 2.5' Replacement Swivel Belt Loop	loop and nylon cases feature D rings that allow the case to be attached to a carrying strap. Swivel cases secure to a belt loop and allow the case to swing freely from side to side. The swivel latch system allows fast, easy radio/case removal by simply inverting the case and lifting
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PMLN4651 PMLN4652 PMLN5015 PMLN5015 PMLN5019 PMLN5020 PMLN5020 PMLN5020 PMLN5020 PMLN5020 PMLN5020 PMLN5023 PMLN5029 PMLN5022 PMLN5023 HLN6022 RLN4570	2.5" Belt Clip Nylon Carry Case with 3" Fixed Belt Loop for Display Radio Hard Leather Carry Case with 3" Fixed Belt Loop for Display Radio Hard Leather Carry Case with 2.5" Swivel Belt Loop for Display Radio Hard Leather Carry Case with 3" Swivel Belt Loop for Display Radio Nylon Carry Case with 3" Fixed Belt Loop for Non-Display Radio Nylon Carry Case with 3" Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3" Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3" Swivel Belt Loop for Non-Display Radio Hard Leather Carry Case with 3" Swivel Belt Loop for Non-Display Radio 2.5" Replacement Swivel Belt Loop 3" Replacement Swivel Belt Loop Universal Chest Pack	loop and nylon cases feature D rings that allow the case to be attached to a carrying strap. Swivel cases secure to a belt loop and allow the case to swing freely from side to side. The swivel latch system allows fast, easy radio/case removal by simply inverting the case and lifting it up from the belt loop. Includes convenient radio holder and Velcro secured pocket for carrying additional items. All the features of the original Universal Chest Pack (HLN6602) plus break-a-way tabs that allow the entire pack to be pulled off with
PMLN4651 PMLN4652 PMLN5015 PMLN5021 PMLN5021 PMLN5029 PMLN5020 PMLN5020 PMLN5020 PMLN5020 PMLN5023 PMLN5023 HLN6022 PMLN5023 HLN6002 RLN4570 1505596Z02	2.5" Belt Clip Nylon Carry Case with 3" Fixed Belt Loop for Display Radio Hard Leather Carry Case with 3" Fixed Belt Loop for Display Radio Hard Leather Carry Case with 2.5" Swivel Belt Loop for Display Radio Hard Leather Carry Case with 3" Swivel Belt Loop for Display Radio Nylon Carry Case with 3" Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3" Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3" Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3" Swivel Belt Loop for Non-Display Radio Leather Carry Case with 3" Swivel Belt Loop for Non-Display Radio 2.5" Replacement Swivel Belt Loop 3" Replacement Swivel Belt Loop Universal Chest Pack Break-A-Way Chest Pack	loop and nylon cases feature D rings that allow the case to be attached to a carrying strap. Swivel cases secure to a belt loop and allow the case to swing freely from side to side. The swivel latch system allows fast, easy radio/case removal by simply inverting the case and lifting it up from the belt loop. Includes convenient radio holder and Velcro secured pocket for carrying additional items. All the features of the original Universal Chest Pack (HLN6602) plus break-a-way tabs that allow the entire pack to be pulled off with approximately 10 lbs. of pressure.
PMLN4651 PMLN4652 PMLN5015 PMLN5021 PMLN5021 PMLN5029 PMLN5020 PMLN5020 PMLN5020 PMLN5020 PMLN5023 PMLN5022 PMLN5023 HLN6022 RLN4570 1505596Z02 RLN4815	2.5° Belt Clip Nylon Carry Case with 3° Fixed Belt Loop for Display Radio Hard Leather Carry Case with 3° Fixed Belt Loop for Display Radio Hard Leather Carry Case with 2.5° Swivel Belt Loop for Display Radio Hard Leather Carry Case with 3° Swivel Belt Loop for Display Radio Nylon Carry Case with 3° Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3° Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3° Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3° Swivel Belt Loop for Non-Display Radio 2.5° Replacement Swivel Belt Loop 3° Replacement Swivel Belt Loop Universal Chest Pack Break-A-Way Chest Pack Replacement Strap for RLN4570 and HLN6602 Chest Packs Universal RadioPAK and Utility Case (fanny pack)	loop and nylon cases feature D rings that allow the case to be attached to a carrying strap. Swivel cases secure to a belt loop and allow the case to swing freely from side to side. The swivel latch system allows fast, easy radio/case removal by simply inverting the case and lifting it up from the belt loop. Includes convenient radio holder and Velcro secured pocket for carrying additional items. All the features of the original Universal Chest Pack (HLN6602) plus break-a-way tabs that allow the entire pack to be pulled off with approximately 10 lbs. of pressure. Holds portables or cell phones close at hand, includes 6" by 8" zippered pouch for on-the-job necessities.
PMLN4651 PMLN4652 PMLN5015 PMLN5015 PMLN5021 PMLN5019 PMLN5020 PMLN5024 PMLN5024 PMLN5028 PMLN5028 PMLN5029 PMLN5022 PMLN5022 PMLN5022 PMLN5022 PMLN5022 PMLN5022 PMLN5022 PMLN5023 HLN6602 RLN4570 1505596Z02 RLN4815 4280384F89	2.5° Belt Clip Nylon Carry Case with 3° Fixed Belt Loop for Display Radio Hard Leather Carry Case with 3° Fixed Belt Loop for Display Radio Hard Leather Carry Case with 2.5° Swivel Belt Loop for Display Radio Hard Leather Carry Case with 3° Swivel Belt Loop for Display Radio Nylon Carry Case with 3° Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3° Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3° Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3° Swivel Belt Loop for Non-Display Radio 2.5° Replacement Swivel Belt Loop 3° Replacement Swivel Belt Loop Universal Chest Pack Break-A-Way Chest Pack Replacement Strap for RLN4570 and HLN6602 Chest Packs Universal RadioPAK and Utility Case (fanny pack) Universal RadioPAK Extension Belt	loop and nylon cases feature D rings that allow the case to be attached to a carrying strap. Swivel cases secure to a belt loop and allow the case to swing freely from side to side. The swivel latch system allows fast, easy radio/case removal by simply inverting the case and lifting it up from the belt loop. Includes convenient radio holder and Velcro secured pocket for carrying additional items. All the features of the original Universal Chest Pack (HLN6602) plus break-a-way tabs that allow the entire pack to be pulled off with approximately 10 lbs. of pressure. Holds portables or cell phones close at hand, includes 6" by 8" zippered pouch for on-the-job necessities. Extension to lengthen belt of RadioPAk (used with RLN4815). For waists larger than 40 inches.
PMLN4651 PMLN4652 PMLN5015 PMLN5015 PMLN5021 PMLN5020 PMLN5020 PMLN5024 PMLN5024 PMLN5028 PMLN5028 PMLN5029 PMLN5029 PMLN5029 PMLN5022 PMLN5022 PMLN5022 PMLN5022 PMLN5023 HLN6602 RLN4570 1505596Z02 RLN4815 4280384F89 NTN5243	2.5" Belt Clip Nylon Carry Case with 3" Fixed Belt Loop for Display Radio Hard Leather Carry Case with 3" Fixed Belt Loop for Display Radio Hard Leather Carry Case with 2.5" Swivel Belt Loop for Display Radio Hard Leather Carry Case with 2.5" Swivel Belt Loop for Display Radio Nylon Carry Case with 3" Fixed Belt Loop for Non-Display Radio Nylon Carry Case with 3" Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3" Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3" Swivel Belt Loop for Non-Display Radio 2.5" Replacement Swivel Belt Loop 3" Replacement Swivel Belt Loop Universal Chest Pack Break-A-Way Chest Pack Replacement Strap for RLN4570 and HLN6602 Chest Packs Universal RadioPAK and Utility Case (fanny pack) Universal RadioPAK Extension Belt Shoulder Strap (attaches to D-rings on carry case)	loop and nylon cases feature D rings that allow the case to be attached to a carrying strap. Swivel cases secure to a belt loop and allow the case to swing freely from side to side. The swivel latch system allows fast, easy radio/case removal by simply inverting the case and lifting it up from the belt loop. Includes convenient radio holder and Velcro secured pocket for carrying additional items. All the features of the original Universal Chest Pack (HLN6602) plus break-a-way tabs that allow the entire pack to be pulled off with approximately 10 lbs. of pressure. Holds portables or cell phones close at hand, includes 6" by 8" zippered pouch for on-the-job necessities. Extension to lengthen belt of RadioPAk (used with RLN4815). For waists larger than 40 inches. Allows easy carrying of radio when not wearing a belt. Used typically over the shoulder.
PMLN4651 PMLN4652 PMLN5015 PMLN5015 PMLN5021 PMLN5020 PMLN5020 PMLN5020 PMLN5028 PMLN5029 PMLN5029 PMLN5022 PMLN5022 PMLN5022 PMLN5022 PMLN5022 PMLN5022 PMLN5022 PMLN5023 HLN6602 RLN4570 1505596Z02 RLN4815 4280384F89 NTN5243 HLN9985	2.5" Belt Clip Nylon Carry Case with 3" Fixed Belt Loop for Display Radio Hard Leather Carry Case with 3" Fixed Belt Loop for Display Radio Hard Leather Carry Case with 2.5" Swivel Belt Loop for Display Radio Hard Leather Carry Case with 3" Swivel Belt Loop for Display Radio Nylon Carry Case with 3" Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3" Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3" Swivel Belt Loop for Non-Display Radio Hard Leather Carry Case with 3" Swivel Belt Loop for Non-Display Radio 2.5" Replacement Swivel Belt Loop 3" Replacement Swivel Belt Loop Universal Chest Pack Break-A-Way Chest Pack Replacement Strap for RLN4570 and HLN6602 Chest Packs Universal RadioPAK and Utility Case (fanny pack) Universal RadioPAK Extension Belt Shoulder Strap (attaches to D-rings on carry case)	loop and nylon cases feature D rings that allow the case to be attached to a carrying strap. Swivel cases secure to a belt loop and allow the case to swing freely from side to side. The swivel latch system allows fast, easy radio/case removal by simply inverting the case and lifting it up from the belt loop. Includes convenient radio holder and Velcro secured pocket for carrying additional items. All the features of the original Universal Chest Pack (HLN6602) plus break-a-way tabs that allow the entire pack to be pulled off with approximately 10 lbs. of pressure. Holds portables or cell phones close at hand, includes 6" by 8" zippered pouch for on-the-job necessities. Extension to lengthen belt of RadioPAk (used with RLN4815). For waists larger than 40 inches. Allows easy carrying of radio when not wearing a belt. Used typically over the shoulder. Protects your radio from moisture, includes a large carrying strap.
PMLN4651 PMLN4652 PMLN5015 PMLN5015 PMLN5021 PMLN5029 PMLN5020 PMLN5028 PMLN5028 PMLN5029 PMLN5022 PMLN5022 PMLN5022 PMLN5022 PMLN5022 PMLN5023 HLN6602 RLN4570 1505596Z02 RLN4815 4280384F89 NTN5243 HLN9985 RLN4295	2.5" Belt Clip Nylon Carry Case with 3" Fixed Belt Loop for Display Radio Hard Leather Carry Case with 3" Fixed Belt Loop for Display Radio Hard Leather Carry Case with 2.5" Swivel Belt Loop for Display Radio Hard Leather Carry Case with 3" Swivel Belt Loop for Display Radio Nylon Carry Case with 3" Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3" Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 5.5" Swivel Belt Loop for Non-Display Radio Hard Leather Carry Case with 3" Swivel Belt Loop for Non-Display Radio 2.5" Replacement Swivel Belt Loop 3" Replacement Swivel Belt Loop Universal Chest Pack Break-A-Way Chest Pack Replacement Strap for RLN4570 and HLN6602 Chest Packs Universal RadioPAK and Utility Case (fanny pack) Universal RadioPAK Extension Belt Shoulder Strap (attaches to D-rings on carry case) Waterproof bag, includes large carry strap Small Clip, Epaulet Strap	loop and nylon cases feature D rings that allow the case to be attached to a carrying strap. Swivel cases secure to a belt loop and allow the case to swing freely from side to side. The swivel latch system allows fast, easy radio/case removal by simply inverting the case and lifting it up from the belt loop. Includes convenient radio holder and Velcro secured pocket for carrying additional items. All the features of the original Universal Chest Pack (HLN6602) plus break-a-way tabs that allow the entire pack to be pulled off with approximately 10 lbs. of pressure. Holds portables or cell phones close at hand, includes 6' by 8' zippered pouch for on-the-job necessities. Extension to lengthen belt of RadioPAk (used with RLN4815). For waists larger than 40 inches. Allows easy carrying of radio when not wearing a belt. Used typically over the shoulder. Protects your radio from moisture, includes a large carrying strap. Secures speaker mic to epaulet strap.
PMLN4651 PMLN4652 PMLN5015 PMLN5015 PMLN5021 PMLN5029 PMLN5030 PMLN5030 PMLN5028 PMLN5029 PMLN5022 PMLN5022 PMLN5022 PMLN5022 PMLN5023 HLN6602 RLN4570 1505596Z02 RLN4815 4280384F89 NTN5243 HLN9985 RLN4295 4200865599	2.5" Belt Clip Nylon Carry Case with 3" Fixed Belt Loop for Display Radio Hard Leather Carry Case with 3" Fixed Belt Loop for Display Radio Hard Leather Carry Case with 2.5" Swivel Belt Loop for Display Radio Hard Leather Carry Case with 3" Swivel Belt Loop for Display Radio Nylon Carry Case with 3" Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3" Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 5.5" Swivel Belt Loop for Non-Display Radio Hard Leather Carry Case with 3" Swivel Belt Loop for Non-Display Radio 2.5" Replacement Swivel Belt Loop 3" Replacement Swivel Belt Loop Universal Chest Pack Break-A-Way Chest Pack Replacement Strap for RLN4570 and HLN6602 Chest Packs Universal RadioPAK and Utility Case (fanny pack) Universal RadioPAK Extension Belt Shoulder Strap (attaches to D-rings on carry case) Waterproof bag, includes large carry strap Small Clip, Epaulet Strap	loop and nylon cases feature D rings that allow the case to be attached to a carrying strap. Swivel cases secure to a belt loop and allow the case to swing freely from side to side. The swivel latch system allows fast, easy radio/case removal by simply inverting the case and lifting it up from the belt loop. Includes convenient radio holder and Velcro secured pocket for carrying additional items. All the features of the original Universal Chest Pack (HLN6602) plus break-a-way tabs that allow the entire pack to be pulled off with approximately 10 lbs. of pressure. Holds portables or cell phones close at hand, includes 6' by 8' zippered pouch for on-the-job necessities. Extension to lengthen belt of RadioPAk (used with RLN4815). For waists larger than 40 inches. Allows easy carrying of radio when not wearing a belt. Used typically over the shoulder. Protects your radio from moisture, includes a large carrying strap. Secures speaker mic to epaulet strap. 1.75' wide black leather belt. Optimum length antenna designed for higher gain to maximize range. This rugged, stylish, capless design provides maximum flexibility and
PMLN4651 PMLN4652 PMLN5015 PMLN5015 PMLN5021 PMLN5019 PMLN5020 PMLN5024 PMLN5020 PMLN5028 PMLN5029 PMLN5029 PMLN5029 PMLN5029 PMLN5022 PMLN5023 HLN6602 RLN4570 1505596Z02 RLN4815 4280384F89 NTN5243 HLN9985 RLN4295 4200865599 Antennas	2.5° Belt Clip Nylon Carry Case with 3° Fixed Belt Loop for Display Radio Hard Leather Carry Case with 3° Fixed Belt Loop for Display Radio Hard Leather Carry Case with 2.5° Swivel Belt Loop for Display Radio Hard Leather Carry Case with 3° Swivel Belt Loop for Display Radio Nylon Carry Case with 3° Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3° Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3° Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3° Swivel Belt Loop for Non-Display Radio 2.5° Replacement Swivel Belt Loop 3° Replacement Swivel Belt Loop Universal Chest Pack Break-A-Way Chest Pack Replacement Strap for RLN4570 and HLN6602 Chest Packs Universal RadioPAK Extension Belt Shoulder Strap (attaches to D-rings on carry case) Vvaterproof bag, includes large carry strap Small Clip, Epaulet Strap Belt	loop and nylon cases feature D rings that allow the case to be attached to a carrying strap. Swivel cases secure to a belt loop and allow the case to swing freely from side to side. The swivel latch system allows fast, easy radio/case removal by simply inverting the case and lifting it up from the belt loop. Includes convenient radio holder and Velcro secured pocket for carrying additional items. All the features of the original Universal Chest Pack (HLN6602) plus break-a-way tabs that allow the entire pack to be pulled off with approximately 10 lbs. of pressure. Holds portables or cell phones close at hand, includes 6' by 8' zippered pouch for on-the-job necessities. Extension to lengthen belt of RadioPak (used with RLN4815). For waists larger than 40 inches. Allows easy carrying of radio when not wearing a belt. Used typically over the shoulder. Protects your radio from moisture, includes a large carrying strap. Secures speaker mic to epaulet strap. 1.75' wide black leather belt.
PMLN4651 PMLN4652 PMLN5015 PMLN5015 PMLN5021 PMLN5029 PMLN5020 PMLN5028 PMLN5029 PMLN5029 PMLN5029 PMLN5029 PMLN5022 PMLN5021 HLN6602 RLN4570 1505596Z02 RLN4815 4280384F89 NTN5243 HLN9985 RLN4295 4200865599 Antennas PMAE4018	2.5° Belt Clip Nylon Carry Case with 3° Fixed Belt Loop for Display Radio Hard Leather Carry Case with 3° Fixed Belt Loop for Display Radio Hard Leather Carry Case with 2.5° Swivel Belt Loop for Display Radio Hard Leather Carry Case with 3° Swivel Belt Loop for Display Radio Nylon Carry Case with 3° Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3° Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3° Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3° Swivel Belt Loop for Non-Display Radio 2.5° Replacement Swivel Belt Loop 3° Replacement Swivel Belt Loop Universal Chest Pack Break-A-Way Chest Pack Replacement Strap for RLN4570 and HLN6602 Chest Packs Universal RadioPAK Extension Belt Shoulder Strap (attaches to D-rings on carry case) Waterproof bag, includes large carry strap Small Clip, Epaulet Strap Belt Combination GPS / UHF 403-433 MHz Folded Monopole Antenna	loop and nylon cases feature D rings that allow the case to be attached to a carrying strap. Swivel cases secure to a belt loop and allow the case to swing freely from side to side. The swivel latch system allows fast, easy radio/case removal by simply inverting the case and lifting it up from the belt loop. Includes convenient radio holder and Velcro secured pocket for carrying additional items. All the features of the original Universal Chest Pack (HLN6602) plus break-a-way tabs that allow the entire pack to be pulled off with approximately 10 lbs. of pressure. Holds portables or cell phones close at hand, includes 6' by 8' zippered pouch for on-the-job necessities. Extension to lengthen belt of RadioPAk (used with RLN4815). For waists larger than 40 inches. Allows easy carrying of radio when not wearing a belt. Used typically over the shoulder. Protects your radio from moisture, includes a large carrying strap. Secures speaker mic to epaulet strap. 1.75' wide black leather belt. Optimum length antenna designed for higher gain to maximize range. This rugged, stylish, capless design provides maximum flexibility and
PMLN4651 PMLN4652 PMLN5015 PMLN5015 PMLN5021 PMLN5019 PMLN5020 PMLN5024 PMLN5024 PMLN5028 PMLN5028 PMLN5029 PMLN5029 PMLN5022 PMLN5022 RLN4570 1505596202 RLN4570 1505596202 RLN4815 4280384F89 MTN5243 HLN9985 RLN4295 4200865599 Antennas PMAE4018 PMAE4024	2.5° Belt Clip Nylon Carry Case with 3° Fixed Belt Loop for Display Radio Hard Leather Carry Case with 3° Fixed Belt Loop for Display Radio Hard Leather Carry Case with 2.5° Swivel Belt Loop for Display Radio Hard Leather Carry Case with 3° Swivel Belt Loop for Display Radio Nylon Carry Case with 3° Fixed Belt Loop for Non-Display Radio Nylon Carry Case with 3° Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3° Fixed Belt Loop for Non-Display Radio Hard Leather Carry Case with 3° Swivel Belt Loop for Non-Display Radio 2.5° Replacement Swivel Belt Loop 3° Replacement Swivel Belt Loop Universal Chest Pack Break-A-Way Chest Pack Replacement Strap for RLN4570 and HLN6602 Chest Packs Universal RadioPAK and Utility Case (fanny pack) Universal RadioPAK Extension Belt Shoulder Strap (attackes to D-rings on carry case) Waterproof bag, includes large carry strap Small Clip, Epaulet Strap Belt Combination GPS / UHF 403-433 MHz Folded Monopole Antenna	loop and nylon cases feature D rings that allow the case to be attached to a carrying strap. Swivel cases secure to a belt loop and allow the case to swing freely from side to side. The swivel latch system allows fast, easy radio/case removal by simply inverting the case and lifting it up from the belt loop. Includes convenient radio holder and Velcro secured pocket for carrying additional items. All the features of the original Universal Chest Pack (HLN6602) plus break-a-way tabs that allow the entire pack to be pulled off with approximately 10 lbs. of pressure. Holds portables or cell phones close at hand, includes 6' by 8' zippered pouch for on-the-job necessities. Extension to lengthen belt of RadioPAk (used with RLN4815). For waists larger than 40 inches. Allows easy carrying of radio when not wearing a belt. Used typically over the shoulder. Protects your radio from moisture, includes a large carrying strap. Secures speaker mic to epaulet strap. 1.75' wide black leather belt. Optimum length antenna designed for higher gain to maximize range. This rugged, stylish, capless design provides maximum flexibility and build in capability to operate at GPS frequencies.



Mobile Radio

Part Number	Description	Benefits
Audio		
RMN5052	Compact Microphone	Standard microphone for MOTOTRBO.
RMN5065	Keypad Microphone IMPRES	The Enhanced Keypad Microphone allows the user to navigate radio menus from the microphone.
RMN5053	Heavy Duty Microphone IMPRES	For users who want a more durable microphone; also ideal for those who need a larger microphone that is easy to handle when operating while wearing gloves.
RMN5054	Visor Microphone IMPRES	Visor mic for use with external PTT accessories; mic mounts to vehicle's visor for hands-free radio operation.
RMN5050	Desktop Microphone	Intended to be used for a mobile radio that is being used in a desktop configuration.
Loudspeakers	And the second of the second o	
RSN4002	13 Watt External Speaker	External speakers ideal for extremely noisy environments.
RSN4003	7.5 Watt External Speaker	_
RSN4004	5 Watt External Speaker	
Desktop		
RSN4005	Desktop Tray with Speaker	A desktop tray that includes a speaker for increased volume when receiving calls in high-noise areas.
GLN7318	Desktop Tray without Speaker	Ideal for securing the mobile radio in place in a desktop configuration.
HPN4007	Power Supply and Cable (25 - 60 Watt Models)	Provides power when using a mobile from a desktop.
HPN4008	Power Supply and Cable (1 - 25 Watt Models)	
GPN6145	Switchmode Power Supply (1 - 25 Watt Models)	Has a provision for a back up battery hook up.
GKN6266	Power Supply Cable	Power cable for GPN6145 switchmode power supply.
HKN9088	Mobile Mini U Antenna Adapter - 8 ft Cable	
PMLN5072	Hardware Kit for Rear Accessory Connector	
Mounting	· · · · · · · · · · · · · · · · · · ·	
RLN6077	Low Profile Trunnion Kit	
RLN6078	High Profile Trunnion Kit	
RLN6079	Key Lock Trunnion Kit	Key lock mount bracket allows the mobile to be mounted and locked giving radio users extra protection from theft by requiring the use of a
		key to lock/unlock the radio from its position in the mounting bracket.
RLN5933 Cables	In Dash (DIN) Mounting Kit	
RKN4136	Ignition Sense Cable	
HKN4137	Power Cable to Battery - 10 ft, 15 amp	
HKN4192	Power Cable to Battery - 10 ft, 13 amp	
PMKN4018	Mobile Rear Accessory Connector Universal Cable	
Antennas	Widdlie Hear Accessory Conflector Offiversal Cable	
	nas combine UHF and GPS capability.	
PMAE4030	Combination GPS / UHF 403-430 MHz, 1/4 Wave Roof Mount Antenna	Combination GPS/Mobile antenna design with Mini U connector provides GPS tracking coverage and voice/data wireless coverage
PMAE4032	Combination GPS / UHF 406-420 MHz, 3.5 dB Gain Roof Mount Antenna	capabilities for fleet monitoring or fleet tracking applications.
PMAE4031	Combination GPS / UHF 450-470 MHz, 1/4 Wave Roof Mount Antenna	
PMAE4033	Combination GPS / UHF 450-470 MHz, 3.5 dB Gain Roof Mount Antenna	
PMAF4034	Combination GPS / UHF 450-470 MHz, 5 dB Gain Roof Mount Antenna	
	nas are intended for customers who have existing mobile antennas and need to a	add GPS canability
PMAN4000	Fixed Mount GPS Active Antenna	This discreet stand-alone GPS antenna has a semi-permanent mount easily assembled with minimal tools to a roof or trunk of a vehicle.
PMAN4002	Magnetic Mount GPS Active Antenna	This discreet stand-alone GPS antenna can be mounted either magnetically, via screw or via tape on the roof or trunk of a vehicle.
	has are intended for customers who do not plan to use the GPS capability of the	
HAE4002	UHF 403-430 MHz, 1/4 Wave Roof Mount Antenna	
HAE4002	UHF 450-470 MHz, 1/ 4 Wave Roof Mount Antenna UHF 450-470 MHz, 1/ 4 Wave Roof Mount Antenna	The signals for these antennas are radiated vertically, making them ideal for urban environments where buildings might obstruct the signal.
HAE4003	UHF 406-420 MHz, 1/4 VVave Roof Mount Antenna UHF 406-420 MHz, 3.5dB Gain Roof Mount Antenna	These antennas are designed to direct the signal more towards the horizon, making them ideal for applications in more geographically flat
HAE4010	UHF 450-470 MHz, 3.5dB Gain Roof Mount Antenna UHF 450-470 MHz, 3.5dB Gain Roof Mount Antenna	regions where signal coverage is sparse and must cover a larger area.
RAE4004	UHF 450-470 MHz, 3.50B Gain Roof Mount Antenna UHF 450-470 MHz, 5dB Gain Roof Mount Antenna	
Miscellaneous	OTH 450-470 IVITE, SUB-Gaill NOOL IVIOUNT ANTENNA	
RLN5926	Push Button PTT	Push button with push-to-talk feature provides hands-free operation of a radio in a vehicle, allowing the user to transmit messages without using a mobile microphone. Push-to-talk button can be held in the hands or mounted in the vehicle with touch fasteners.
RLN5929	Emergency Footswitch	Emergency footswitch enables the user to notify the base station quickly and discreetly that he or she is in an emergency situation. Pressing the footswitch sends a signal to the base station and activates the microphone to allow communication with the base station.
HLN9073	Microphone Hang Up Clip (all microphones)	
HLN9414	Universal Microphone Hang Up Clip (all microphones)	
	The state of the s	

Repeater

Part Number	Description	Benefits	
Duplexers			
HFE8400	UHF Untuned Duplexer, 406-450MHz	Allows the use of just one antenna that both transmits and receives.	
RFE4000	UHF Untuned Duplexer, 450-470MHz		
Antennas			
RDE4556	UHF 3.8dB Gain Antenna		
Mounting			
PMLE4476	Wall Mount Kit for XPR 8300	Includes brackets and screws to easily mount XPR 8300 to the wall.	
Preselector			
HFE8459	UHF Preselector, 440-474MHz	Provides additional isolation for the receiver in RF dense sites.	
Lightening Protecti	Lightening Protection		
RRX4025	Lightening Arrestor	Provides lightning and grounding protection to the repeaters.	
RRX4032	Tower Mounting Hardware		
RRX4038	Surge Suppressor		

MOTOTRBO™ Portable Radio Specifications



Display UHF

Non-GPS XPR[™] 6500

GPS XPR[™] 6550



Non-Display UHF

Non-GPS XPR[™] 6300

GPS XPR[™] 6350*

General Specifications			
	Display UHF XPR 6500 / XPR 6550	Non-Display UHF XPR 6300 / XPR 6350*	
Channel Capacity	160	32	
Frequency	403-470 MHz	403-470 MHz	
Dimensions (HxWxT) w/ Lilon non-FM Battery	131.5 x 63.5 x 35.2 mm	131.5 x 63.5 x 35.2 mm	
Weight (with Lilon non-FM Battery) (with Lilon FM Battery) (with NiMH Battery)	12.7 oz (360 g) 13 oz (370 g) 15.2 oz (430 g)	11.63 oz (330 g) 11.98 oz (340 g) 14.09 oz (400 g)	
Power Supply	7.2V nominal	7.2V nominal	
FCC Description	AZ489FT4876	AZ489FT4876	
IC Description	109U-89FT4876	109U-89FT4876	
Average battery life at 5/5/90 duty cycle with battery saver enabled in carrier squelch and transmitter in high power.			
IMPRES 1500 mAh Lilon Battery	Analog: 9 hrs Digital: 13 hrs	Analog: 9 hrs Digital: 13 hrs	
IMPRES FM 1400 mAh Battery	Analog: 8.5 hrs Digital: 12 hrs	Analog: 8.5 hrs Digital: 12 hrs	
NiMH 1300 mAh Battery	Analog: 8 hrs Digital: 11 hrs	Analog: 8 hrs Digital: 11 hrs	

Receiver		
	Display UHF XPR 6500 / XPR 6550	Non-Display UHF XPR 6300 / XPR 6350*
Frequencies	403-470 MHz	403-470 MHz
Channel Spacing	12.5 kHz/ 25 kHz	12.5 kHz/ 25 kHz
Frequency Stability (-30° C, +60° C, +25° C)	+/- 1.5 ppm (XPR 6500) +/- 0.5 ppm (XPR 6550)	+/- 1.5 ppm (XPR 6300) +/- 0.5 ppm (XPR 6350)*
Analog Sensitivity (12 dB SINAD)	0.35 uV 0.22 uV (typical)	0.35 uV 0.22 uV (typical)
Digital Sensitivity	5% BER: 0.3 uV	5% BER: 0.3 uV
Intermodulation (TIA603C)	70 dB	70 dB
Adjacent Channel Selectivity TIA603 TIA603C	60 dB @ 12.5 kHz, 70 dB @ 25 kHz 45 dB @ 12.5 kHz, 70 dB @ 25 kHz	60 dB @ 12.5 kHz, 70 dB @ 25 kHz 45 dB @ 12.5 kHz, 70 dB @ 25 kHz
Spurious Rejection (TIA603C)	70 dB	70 dB
Rated Audio	500 mW	500 mW
Audio Distortion @ Rated Audio	3% (typical)	3% (typical)
Hum and Noise	-40 dB @ 12.5 kHz -45 dB @ 25 kHz	-40 dB @ 12.5 kHz -45 dB @ 25 kHz
Audio Response	TIA603C	TIA603C
Conducted Spurious Emission (TIA603C)	-57 dBm	-57 dBm

^{*}Coming Soon

Transmitter		
	Display UHF XPR 6500 / XPR 6550	Non-Display UHF XPR 6300 / XPR 6350*
Frequencies	403-470 MHz	403-470 MHz
Channel Spacing	12.5 kHz/ 25 kHz	12.5 kHz/ 25 kHz
Frequency Stability (-30° C, +60° C, +25° C)	+/- 1.5 ppm (XPR 6500) +/- 0.5 ppm (XPR 6550)	+/- 1.5 ppm (XPR 6300) +/- 0.5 ppm (XPR 6350)*
Power Output Low Power High Power	1 W 4 W	1 W 4 W
Modulation Limiting	+/- 2.5 kHz @ 12.5 kHz +/- 5.0 kHz @ 25 kHz	+/- 2.5 kHz @ 12.5 kHz +/- 5.0 kHz @ 25 kHz
FM Hum and Noise	-40 dB @ 12.5 kHz -45 dB @ 25 kHz	-40 dB @ 12.5 kHz -45 dB @ 25 kHz
Conducted / Radiated Emission	-36 dBm < 1 GHz -30 dBm > 1 GHz	-36 dBm < 1 GHz -30 dBm > 1 GHz
Adjacent Channel Power	60 dB @ 12.5 kHz 70 dB @ 25 kHz	60 dB @ 12.5 kHz 70 dB @ 25 kHz
Audio Response	TIA603C	TIA603C
Audio Distortion	3%	3%
FM Modulation	12.5 kHz: 11K0F3E 25 kHz: 16K0F3E	12.5 kHz: 11K0F3E 25 kHz: 16K0F3E
4FSK Digital Modulation	12.5 kHz Data Only: 7K60FXD 12.5 kHz Data & Voice: 7K60FXE	12.5 kHz Data Only: 7K60FXD 12.5 kHz Data & Voice: 7K60FXE
Digital Vocoder Type	AMBE++	AMBE++
Digital Protocol	ETSI-TS102 361-1	ETSI-TS102 361-1

< 10 meters

Military Standards				
	810E		810F	
Applicable MIL-STD	Methods	Procedures	Methods	Procedures
Low Pressure	500.3	- II	500.4	II
High Temperature	501.3	I/A, II/A1	501.4	I/Hot, II/Hot
Low Temperature	502.3	I/C3, II/C1	502.4	I/C3, II/C1
Temperature Shock	503.3	I/A, 1C3	503.4	1
Solar Radiation	505.3	1	505.4	1
Rain	506.3	1,11	506.4	I, III
Humidity	507.3	- II	507.4	-
Salt Fog	509.3	1	509.4	1
Dust	510.3	1	510.4	1
Vibration	514.4	I/10, II/3	514.5	1/24
Shock	516.4	I, IV	516.5	I, IV

< 10 meters

Environmental Specifications		
Operating Temperature	-30° C / +60° C	
Storage Temperature	-40° C / +85° C	
Thermal Shock	Per MIL-STD	
Humidity	Per MIL-STD	
ESD	IEC-801-2KV	
Water Intrusion	IEC 60529 - IP57	
Packaging Test	MIL-STD 810D and E	

Factory Mutual Approvals

MOTOTRBO XPR Portable series radios have been certified by FM Approvals in accordance with Canada and U.S. Codes as intrinsically safe for use in Class I, II, III, Division 1, Groups C,D,E,F,G, when properly equipped with a Motorola FM approved battery option. They are also approved for use in Class I, Division 2, Groups A, B, C, D.



Horizontal Accuracy



MOTOTRBO™ Mobile Radio Specifications





Display UHF

 Non-GPS
 GPS

 XPR™ 4500
 XPR™ 4550

Numeric Display UHF

Non-GPS GPS XPR™ 4300 XPR™ 4350*

General Specifications		
	Display UHF XPR 4500 / XPR 4550	Numeric Display UHF XPR 4300 / XPR 4350*
Channel Capacity	160	32
Typical RF Output Low Power High Power	1-25 W* 25-40 W	1-25 W 25-40 W*
Frequency	403-470 MHz	403-470 MHz
Dimensions (HxWxL)	2.01 x 6.89 x 8.11 in (51 x 175 x 206 mm)	2.01 x 6.89 x 8.11 in (51 x 175 x 206 mm)
Weight	4.0 lbs. (1.8 kg)	4.0 lbs. (1.8 kg)
Current Drain: Standby Rx @ Rated Audio Transmit	0.81 A max 2 A max 1-25 W*: 11.0 A max 25-40 W: 14.5 A max	0.81 A max 2 A max 1-25 W: 11.0 A max 25-40 W*: 14.5 A max
FCC Description	1-25 W*: ABZ99FT4081 25-40 W: ABZ99FT4080	1-25 W: ABZ99FT4081 25-40 W*: ABZ99FT4080
IC Description	1-25 W*: 109AB-99FT4081 25-40 W: 109AB-99FT4080	1-25 W: 109AB-99FT4081 25-40 W*: 109AB-99FT4080

Receiver		
	Display UHF XPR 4500 / XPR 4550	Numeric Display UHF XPR 4300 / XPR 4350*
Frequencies	403-470 MHz	403-470 MHz
Channel Spacing	12.5 kHz / 25 kHz	12.5 kHz / 25 kHz
Frequency Stability (-30° C, +60° C, +25° C)	+/- 1.5 ppm (XPR 4500) +/- 0.5 ppm (XPR 4550)	+/- 1.5 ppm (XPR 4300) +/- 0.5 ppm (XPR 4350)*
Analog Sensitivity (12dB SINAD)	0.3 uV 0.22 uV (typical)	0.3 uV 0.22 uV (typical)
Digital Sensitivity	5% BER: 0.3 uV	5% BER: 0.3 uV
Intermodulation (TIA603C)	75 dB	75 dB
Adjacent Channel Selectivity TIA603 TIA603C	65 dB @ 12.5 kHz, 75 dB @ 25 kHz 50 dB @ 12.5 kHz, 75 dB @ 25 kHz	65 dB @ 12.5 kHz, 75 dB @ 25 kHz 50 dB @ 12.5 kHz, 75 dB @ 25 kHz
Spurious Rejection (TIA603C)	75 dB	75 dB
Rated Audio	3 W (Internal) 7.5 W (External - 8 ohms) 13 W (External - 4 ohms)	3 W (Internal) 75 W (External - 8 ohms) 13 W (External - 4 ohms)
Audio Distortion @ Rated Audio	3% (typical)	3% (typical)
Hum and Noise	-40 dB @ 12.5 kHz -45 dB @ 25 kHz	-40 dB @ 12.5 kHz -45 dB @ 25 kHz
Audio Response	TIA603C	TIA603C
Conducted Spurious Emission (TIA603C)	-57 dBm	-57 dBm

^{*}Coming Soon

Transmitter		
	Display UHF XPR 4500 / XPR 4550	Numeric Display UHF XPR 4300 / XPR 4350*
Frequencies	403-470 MHz	403-470 MHz
Channel Spacing	12.5 kHz / 25 kHz	12.5 kHz / 25 kHz
Frequency Stability (-30° C, +60° C, +25° C)	+/- 1.5 ppm (XPR 4500) +/- 0.5 ppm (XPR 4550)	+/- 1.5 ppm (XPR 4300) +/- 0.5 ppm (XPR 4350)*
Power Output Low Power High Power	1-25 W* 25-40 W	1-25 W 25-40 W*
Modulation Limiting	+/- 2.5 kHz @ 12.5 kHz +/- 5.0 kHz @ 25 kHz	+/- 2.5 kHz @ 12.5 kHz +/- 5.0 kHz @ 25 kHz
FM Hum and Noise	-40 dB @ 12.5 kHz -45 dB @ 25 kHz	-40 dB @ 12.5 kHz -45 dB @ 25 kHz
Conducted / Radiated Emission	-36 dBm < 1 GHz -30 dBm > 1 GHz	-36 dBm < 1 GHz -30 dBm > 1 GHz
Adjacent Channel Power (TIA603C)	60 dB @ 12.5 kHz 70 dB @ 25 kHz	60 dB @ 12.5 kHz 70 dB @ 25 kHz
Audio Response	TIA603C	TIA603C
Audio Distortion	3%	3%
FM Modulation	12.5 kHz: 11K0F3E 25 kHz: 16K0F3E	12.5 kHz: 11K0F3E 25 kHz: 16K0F3E
4FSK Digital Modulation	12.5 kHz Data Only: 7K60FXD 12.5 kHz Data & Voice: 7K60FXE	12.5 kHz Data Only: 7K60FXD 12.5 kHz Data & Voice: 7K60FXE
Digital Vocoder Type	AMBE++	AMBE++
Digital Protocol	ETSI-TS102 361-1	ETSI-TS102 361-1

GPS	
Accuracy specs are for long-term tracking (95t	h percentile values > 5 satellites visible at a nominal -130 dBm signal strength)
TTFF (Time To First Fix) Cold Start	< 1 minute
TTFF (Time To First Fix) Hot Start	< 10 seconds
Harizantal Assurance	v 10 meters

Military Standards				
	810E		810F	
Applicable MIL-STD	Methods	Procedures	Methods	Procedures
Low Pressure	500.3	II	500.4	П
High Temperature	501.3	I/A, II/A1	501.4	I/Hot, II/Hot
Low Temperature	502.3	I/C3, II/C1	502.4	I/C3, II/C1
Temperature Shock	503.3	I/A, 1C3	503.4	T
Solar Radiation	505.3	1	505.4	T
Rain	506.3	1,11	506.4	I, III
Humidity	507.3	II	507.4	-
Salt Fog	509.3	1	509.4	1
Dust	510.3	1	510.4	T
Vibration	514.4	I/10, II/3	514.5	1/24
Shock	516.4	I, IV	516.5	I, IV

	Environmental Specifications				
	Operating Temperature	-30° C / +60° C			
	Storage Temperature	-40° C / +85° C			
ľ	Thermal Shock	Per MIL-STD			
	Humidity	Per MIL-STD			
	ESD	IEC-801-2KV			
	Water Intrusion	IEC 60529 - IP57			
	Packaging Test	MIL-STD 810D and E			



UHF

XPR™ 8300

General Specifications			
	UHF – XPR 8300		
Channel Capacity	1		
Technical RF Output	25-40 W		
Frequency	403-470 MHz		
Dimensions (HxWxL)	5.22 x 19 x 11.67 in (132.6 x 482.6 x 296.5 mm)		
Weight	31 lbs (14 kg)		
Voltage Requirements	100-240 V AC (13.6 V DC)		
Current Drain: Standby	1 A (1 A DC typical)		
Transmit	3.8 A (11 A DC typical)		
Operating Temperature Range	-30°C to +60°C		
Max Duty Cycle	100%		
FCC Description	ABZ99FT4025		
IC Description	109AB-99FT4025		

Receiver		
	UHF – XPR 8300	
Frequencies	403-470 MHz	
Channel Spacing	12.5 kHz / 25 kHz	
Frequency Stability (-30° C, +60° C, +25° C)	+/- 0.5 ppm	
Analog Sensitivity (12 dB SINAD)	0.30 uV 0.22 uV (typical)	
Digital Sensitivity	5% BER: 0.3 uV	
Intermodulation (TIA603C)	75 dB	
Adjacent Channel Selectivity TIA603 TIA603C	65 dB @ 12.5 kHz, 75 dB @ 25 kHz 50 dB @ 12.5 kHz, 75 dB @ 25 kHz	
Spurious Rejection	75 dB	
Audio Distortion @ Rated Audio	3% (typical)	
Hum and Noise	-40 dB @ 12.5 kHz -45 dB @ 25 kHz	
Audio Response	TIA603C	
Conducted Sourious Emission	-57 dBm	

Transmitter		
	UHF – XPR 8300	
Frequencies	403-470 MHz	
Channel Spacing	12.5 kHz / 25 kHz	
Frequency Stability (-30° C, +60° C, +25° C)	+/- 0.5 ppm	
Power Output	25-40 W	
Modulation Limiting	+/- 2.5 kHz @ 12.5 kHz +/- 5.0 kHz @ 25 kHz	
FM Hum and Noise	-40 dB @ 12.5 kHz -45 dB @ 25 kHz	
Conducted / Radiated Emission	-36 dBm < 1 GHz -30 dBm > 1 GHz	
Adjacent Channel Power (TIA603C)	60 dB @ 12.5 kHz 70 dB @ 25 kHz	
Audio Response	TIA603C	
Audio Distortion	3%	
FM Modulation	12.5 kHz: 11K0F3E 25 kHz: 16K0F3E	
4FSK Digital Modulation	12.5 kHz Data Only: 7K60FXD 12.5 kHz Data & Voice: 7K60FXE	
Digital Vocoder Type	AMBE++	
Digital Protocol	ETSI-TS102 361-1	

Specifications subject to change without notice. All specifications shown are typical. Radio meets applicable regulatory requirements. Version 4 03/07

IMPRES™ Smart Energy System— A Unique Battery Charging and Reconditioning Solution

Motorola's state-of-the-art IMPRES technology allows communication between the battery and the charger to automate battery maintenance. The result—a radio system that's charged and ready to go whenever you need it.

- Automated battery maintenance—Now manual tracking and recording of battery use are a thing of the past. IMPRES uses a unique communications protocol to facilitate adaptive reconditioning—the charger evaluates the details of the battery's usage pattern to determine the optimal reconditioning interval. This automated process works to optimize the cycle life of the battery and maximize talk time.
- Long-term safe charging—IMPRES batteries may be left in IMPRES chargers for extended periods without heat damage, and will be monitored by the charger to stay fully charged. Batteries are charged and ready to go whenever they are needed.
- Chargers that communicate—IMPRES multi-unit chargers are available with a two-line display module. You now have access to valuable information such as battery capacity (in mAh and percent of minimum rated capacity), current battery charge status, as well as each battery's serial number, part number and chemistry. Knowledge is power. Now you can make informed decisions on battery replacement and asset management.
- Support for mixed battery inventories—MOTOTRBO IMPRES chargers are compatible with the full line of MOTOTRBO batteries—both IMPRES and non-IMPRES. You can rely on the same charger for their entire MOTOTRBO battery fleet.
- Extended warranty—When used exclusively with IMPRES chargers, IMPRES batteries have an 18 month capacity warranty coverage—six months more than Motorola Premium Li-ion batteries.
- Proven Tough—IMPRES batteries are subjected to the same rigorous testing and held to the same high standards as all Motorola Premium batteries. Actual results of drop, vibration and ESD (electrostatic discharge) tests prove that Motorola batteries outperform the competition. For details of all test results go to www.proventough.com.







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