

XPR™ 6500/6550/6300/6350 Portable Radios MOTOTRBO[™]





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.

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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, applications and services—a complete solution. The MOTOTRBO portable radio:

- 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. Also features an integrated GPS module for use with third-party location-tracking applications.
- Provides **clearer voice communications**, in digital mode, throughout the coverage area as compared to analog radios rejecting static and noise.
- Offers **enhanced battery life**. Digital TDMA two-way portable radios can operate up to 40 percent longer between recharges compared to typical analog radios.
- Enables additional functionality including dispatch data, enhanced call signaling, basic privacy-scrambling and option board expandability.
- 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 and can be used in locations where flammable gas, vapors or combustible dust may be present. Approved FM battery option is a 1400 mAh slim Lilon FM battery.
- 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 Applications
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MOTOTRBO Portable Accessories
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New Audio Accessory Connector Page 9

MOTOTRBO Portable Specification

MOTOTRBO[™] System Components and Benefits



Display Portable Radio Standard Package

- Display Portable Radio
- Antenna—Standard whip included with XPR 6500; Standard whip with GPS included with XPR 6550
- IMPRES[™] Lilon 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)

XPR[™] 6500/6550 Display Portable Radios

- 1 Flexible, menu-driven interface with user-friendly icons or two lines of text for ease of reading text messages and navigating through the menus.
- 2 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.
- 4 New accessory connector meets IP57 submersibility specifications and incorporates RF, USB and IMPRES[™] audio capability.
- 5 XPR 6550 includes integrated GPS module.
- 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.
- 9 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.
- **10** Large, textured push-to-talk button provides good tactile response and easy access, even when wearing gloves.
- (11) 160 channels.

Additional Features

- 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
- Option board expandable for added capabilities
- Basic privacy—built-in scrambling for increased security
- Short free-form and quick text messaging
- Contacts list accommodates up to 256 contacts



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[™] Lilon 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)

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

- 1 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.
- 3 New accessory connector meets IP57 submersibility specifications and incorporates RF, USB and IMPRES[™] audio capability.
- **4** XPR 6350 includes integrated GPS module.
- 5 Meets IP57 specifications; submersible in 1 meter of fresh water up to 30 minutes.
- 6 Powerful, front projecting speaker that transmits digital TDMA audio or 12.5/25 kHz analog audio.
- 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.

Additional Features

- 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 c
- Dual-mode analog and/or digital scan—facilitates a smooth migration from analog to digital
- Option board expandable for added capabilities
- Basic privacy—built-in scrambling for increased security
- Send quick text messages via programmable buttons

MOTOTRBO[™] Integrated Data Enables Advanced Applications

MOTOTRBO is changing the way businesses communicate. You can gain productivity with the use of powerful data applications such as MOTOTRBO Text Messaging Services. MOTOTRBO also features an integrated GPS module for use with third-party location-tracking applications. And with additional applications from Motorola's Application Developer Program, you can leverage even more capabilities—and get the most from your communications investment.





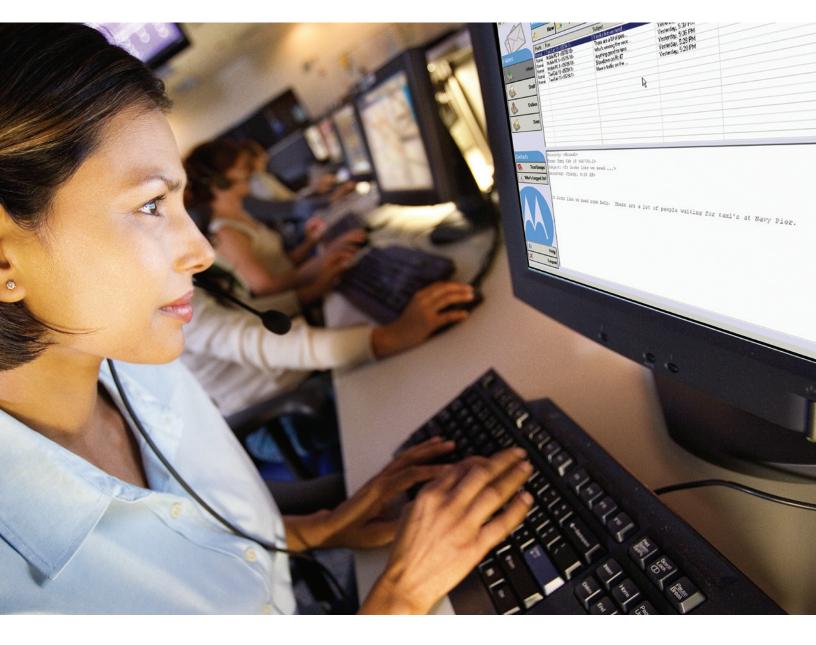
MOTOTRBO Text Messaging Services

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. And when sending emails to portable and mobile radios using Motorola's email gateway, the subject line of the email can be retained within the body of the text message. This application allows you to utilize another form of communication for your business—whether it's 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.

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MOTOTRBO Application Developer Program

Third-party developers play an important role in supporting the MOTOTRBO platform by creating customized applications that can add value to you and your organization. Developers can extend the capabilities of MOTOTRBO to offer niche solutions that provide the ability to satisfy a broad range of your needs.





MOTOTRBO's Integrated GPS Module

MOTOTRBO features an integrated GPS module that, in conjunction with a location software application, gives you the ability to track both people and assets. This advanced approach takes advantage of the GPS module and receiver integrated within both the portable and mobile radios, combined with a third-party location application to help you manage your mobile workforce, improve your response time and increase your productivity.

You can view the location of inbound materials to better prepare the receiving department. You can also monitor outbound shipments from your business to ensure deliveries are being made in a timely manner and to the proper locations, all while coordinating your fleet to do so in the most efficient manner possible. By utilizing the integrated GPS module, you can enjoy the benefits of location tracking without cumbersome external GPS devices to install and maintain.

To encourage the development of a broad portfolio of solutions and continuing innovation, Motorola provides 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.

MOTOTRBO[™] Accessories

Portable Radio

Part #	Description	Benefits	Batteries		
	Description	Denents	PMNN4066	IMPRES Lilon 1500 mAh Submersible (IP57) Battery	Offer superior, long lasting perfor-
Audio			PMNN4069	IMPRES Lilon 1400 mAh Submersible (IP57) Battery - Intrinsi-	mance. Automated maintenance and a six month extended warranty
PMMN4025	IMPRES Remote Speaker Microphone	These Remote Speaker Microphones utilize advanced windporting technol-		cally Safe (FM)	when used exclusively with IMPRES
PMMN4024	Remote Speaker Microphone	ogy that can help reduce background			chargers. Can be charged and
PMMN4040	Remote Speaker Microphone - Submersible (IP57)	noise in windy conditions. The PMMN4024 and PMMN4025 have			reconditioned without being removed from the radio.
		an earjack located on the microphone	PMNN4077	IMPRES Lilon 2200 mAh Submersible (IP57) Battery	All IMPRES benefits plus higher capa
		head to eliminate long wires. The		,	ity for extended shifts or high power
		PMMN4040 has a higher IP57 water intrusion rating that helps provide			consuming applications.
		first responders with high reliability in	PMNN4065	NiMH 1300 mAh Submersible (IP57) Battery	NiMH chemistry offers an attractive combination of capacity, weight
		emergency situations.			and cost.
PMMN4050	IMPRES Remote Speaker Microphone - Noise Cancelling	Slightly larger RSM for users wearing gloves. 3.5mm earjack is located on	Dert #	Description	Depetite
		the microphone head to eliminate long	Part #	Description	Benefits
		wires. When the user speaks into the	Chargers		
		microphone, the Noise Cancelling acous- tic utilizes a directional microphone that	WPLN4232	IMPRES Single Unit Charger	Provides adaptive, automatic recondi-
		will help eliminate ambient noise - ideal	WPLN4212	IMPRES Multi Unit Charger	tioning for IMPRES batteries to maxi- mize talk time and cycle life. Advance
		for outdoor communication.	WPLN4219	IMPRES Multi Unit Charger w/ Displays	charging algorithm monitors battery
PMMN4046	IMPRES Remote Speaker Microphone, with volume control - Submersible (IP57)	Slightly larger RSM for users wearing gloves. Utilizes windporting technology			capacity so that they can be kept in the charger for extended periods. Display
		that can reduce background noise in			models provide real time charge
		windy conditions. The volume control enables users to adjust audio volume			status information.
		without having to touch the radio.	RLN5382	Charger Display Module for IMPRES Multi-Unit Charger	Benefit: Readout attaches to multi-un charger and displays battery kit num-
PMMN4041	IMPRES Public Safety Microphone - 30" cable	Police and other emergency services			ber, serial number and chemistry.
PMMN4042	IMPRES Public Safety Microphone - 24" cable	professionals will appreciate the en-	Carry Device	S	
PMMN4043	IMPRES Public Safety Microphone - 18" cable	hanced coverage and exceptional reliability of these public safety micro-	PMLN4651	2" Belt Clip	
PMMN4043	IMPRES Public Safety Microphone - Submersible (IP57), 30" cable	phones. Their windporting technology	PMLN4652	2.5" Belt Clip	
		that can help reduce background noise in windy conditions. Available with and	PMLN5015	Nylon Carry Case w/ 3" Fixed Belt Loop for Display Radio	Durable leather or nylon carry cases
PMMN4048	IMPRES Public Safety Microphone - Submersible (IP57), 24" cable	without earjack.	PMLN5021	Hard Leather Carry Case w/ 3* Fixed Belt Loop for Display Radio	keep your radio and battery securely
PMMN4049	IMPRES Public Safety Microphone - Submersible (IP57), 18" cable	Note: Antenna sold separately (listed within antenna section).			in place while permitting audio to be
		within antenna section).	PMLN5019	Hard Leather Carry Case w/ 2.5" Swivel Belt Loop for Display Radio	heard clearly. Fixed belt loop and nylo cases feature D rings that allow the
RMN5058	Lightweight Headset	Lightweight headsets offer comfort-	PMLN5020	Hard Leather Carry Case w/ 3" Swivel Belt Loop for Display	case to be attached to a carrying stra
		able, extended wear use while		Radio	Swivel cases secure to a belt loop an allow the case to swing freely from
		providing high clarity and discreet communication in moderate	PMLN5024	Nylon Carry Case w/ 3" Fixed Belt Loop for Non-Display Radio	side to side. The swivel latch system
		noise environments.	PMLN5030	Hard Leather Carry Case w/ 3" Fixed Belt Loop for Non-Display	allows fast, easy radio/case removal a simply inverting the case and lifting it
PMLN5102	Ultra-Lite Headset	This headset provides clear and hands-		Radio	up from the belt loop.
		free two-way communication, while	PMLN5028	Hard Leather Carry Case w/ 2.5" Swivel Belt Loop for Non-	
		maintaining the comfort necessary for extended wear in moderate noise		Display Radio	
		environments.	PMLN5029	Hard Leather Carry Case w/ 3" Swivel Belt Loop for Non-Display Radio	
PMLN5096	D-Style Earset	This Ultra lightweight D-Style earpiece			
		is comfortable and can be worn on either ear. The innovative and stylish	PMLN5022	2.5" Replacement Swivel Belt Loop	
		design allows for hands-free communi-	PMLN5023	3" Replacement Swivel Belt Loop	
		cation. It offers an in-line Push-to-Talk	HLN6602	Universal Chest Pack	Includes convenient radio holder and
		button for ease of use.			Velcro secured pocket for carrying additional items.
PMLN5101	Temple Transducer	Receive audio without covering the ear. The receiver portion of this ac-	RLN4570	Break-A-Way Chest Pack	All the features of the original Univers
		cessory rests on the temples and is			Chest Pack (HLN6602) plus break-a-
		capable of converting the input audio from a two-way radio into sound vibra-			way tabs that allow the entire pack to be pulled off with approximately 10
		tion. The sound vibration is transmitted			lbs. of force.
		through the surrounding human tissue and bone directly into the inner ear	1505596Z02	Replacement Strap for RLN4570 and HLN6602 Chest Packs	
		where it is received by the user. This al-	RLN4815	Universal RadioPAK and Utility Case (fanny pack)	Holds portables or cell phones close
		lows the user to hear external sounds			hand, includes 6" by 8" zippered pour for on-the-job necessities.
		from both ears while receiving radio communications. Also protects users	100000 1500		
		ear while receiving audio.	4280384F89	Universal RadioPAK Extension Belt	Extension to lengthen belt of RadioP4 (used with RLN4815). For waists large
PMLN5275	Heavy-Duty Headset	Includes a noise-cancelling boom			than 40 inches.
		microphone and can be worn with or without a hardhat. The PTT switch is	NTN5243	Shoulder Strap (attaches to D-rings on carry case)	Allows easy carrying of radio when ne
		located on the earcup.			wearing a belt.
RLN5878	Receive Only Surveillance Kit, Black	Surveillance accessories allow the	HLN9985	Waterproof bag, includes large carry strap	Protects your radio from moisture,
RLN5879	Receive Only Surveillance Kit, Beige	radio user to privately receive messag-			includes a large carrying strap.
	IMPRES 2 Wire Surveillance Kit, Black	es and are ideal when environments require discreet communications.	RLN4295	Small Clip, Epaulet Strap	Secures speaker mic to epaulet strap
	I INVIT TIES Z VIVITE SULVEIIII ILEE NIL, BIBOK	require discrete continuitications.	4200865599	Belt	1.75" wide black leather belt.
				Beit	
RLN5881	IMPRES 2 Wire Surveillance Kit, Beige		Antennas	Deil	
RLN5881 RLN5882	IMPRES 2 Wire Surveillance Kit, Beige IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Black			Combination UHF/GPS 403-433 MHz Folded Monopole Antenna	Optimum length antenna designed fo
RLN5881 RLN5882 RLN5883	IMPRES 2 Wire Surveillance Kit, Beige IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Black IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Beige		Antennas		higher gain to maximize range. This
RLN5881 RLN5882 RLN5883	IMPRES 2 Wire Surveillance Kit, Beige IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Black IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Beige IMPRES 3 Wire Surveillance Kit - Black		Antennas PMAE4018	Combination UHF/GPS 403-433 MHz Folded Monopole Antenna	higher gain to maximize range. This capless design provides maximum flexibility and built in capability to
RLN5881 RLN5882 RLN5883 PMLN5097	IMPRES 2 Wire Surveillance Kit, Beige IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Black IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Beige		Antennas PMAE4018 PMAE4024 PMAE4050	Combination UHF/GPS 403-433 MHz Folded Monopole Antenna Combination UHF/GPS 430-470 MHz Folded Monopole Antenna Combination GPS/UHF 450-495 MHz Folded Monopole Antenna	higher gain to maximize range. This capless design provides maximum
RLN5881 RLN5882 RLN5883 PMLN5097 PMLN5106	IMPRES 2 Wire Surveillance Kit, Beige IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Black IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Beige IMPRES 3 Wire Surveillance Kit - Black		Antennas PMAE4018 PMAE4024 PMAE4050 PMAE4051	Combination UHF/GPS 403-433 MHz Folded Monopole Antenna Combination UHF/GPS 430-470 MHz Folded Monopole Antenna Combination GPS/UHF 450-495 MHz Folded Monopole Antenna Combination GPS/UHF 495-527 MHz Folded Monopole Antenna	higher gain to maximize range. This capless design provides maximum flexibility and built in capability to operate at GPS frequencies.
RLN5881 RLN5882 RLN5883 PMLN5097 PMLN5106 PMLN5111	IMPRES 2 Wire Surveillance Kit, Beige IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Black IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Beige IMPRES 3 Wire Surveillance Kit - Black IMPRES 3 Wire Surveillance Kit - Beige		Antennas PMAE4018 PMAE4024 PMAE4050 PMAE4051 PMAE4021	Combination UHF/GPS 403-433 MHz Folded Monopole Antenna Combination UHF/GPS 430-470 MHz Folded Monopole Antenna Combination GPS/UHF 450-495 MHz Folded Monopole Antenna Combination GPS/UHF 495-527 MHz Folded Monopole Antenna Combination UHF/GPS 403-433 MHz Stubby Antenna	higher gain to maximize range. This capless design provides maximum flexibility and built in capability to operate at GPS frequencies. Short, nonobtrusive stubby antennas
RLN5881 RLN5882 RLN5883 PMLN5097 PMLN5106 PMLN5111 PMLN5112	IMPRES 2 Wire Surveillance Kit, Beige IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Black IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Beige IMPRES 3 Wire Surveillance Kit - Black IMPRES 3 Wire Surveillance Kit - Beige IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black	These form to the inside of the ear and	Antennas PMAE4018 PMAE4024 PMAE4050 PMAE4051	Combination UHF/GPS 403-433 MHz Folded Monopole Antenna Combination UHF/GPS 430-470 MHz Folded Monopole Antenna Combination GPS/UHF 450-495 MHz Folded Monopole Antenna Combination GPS/UHF 495-527 MHz Folded Monopole Antenna	higher gain to maximize range. This capless design provides maximum flexibility and built in capability to operate at GPS frequencies. Short, nonobtrusive stubby antennas are ideal for situations when radios ar worn on the user's belt. These rugger
RLN5881 RLN5882 RLN5883 PMLN5097 PMLN5106 PMLN5111 PMLN5112 RLN4760	IMPRES 2 Wire Surveillance Kit, Beige IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Black IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Beige IMPRES 3 Wire Surveillance Kit - Black IMPRES 3 Wire Surveillance Kit - Beige IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Beige Small Custom Earpiece, Right Ear, for Surveillance Kits	are perfect for low-noise environments.	Antennas PMAE4018 PMAE4024 PMAE4050 PMAE4051 PMAE4021	Combination UHF/GPS 403-433 MHz Folded Monopole Antenna Combination UHF/GPS 430-470 MHz Folded Monopole Antenna Combination GPS/UHF 450-495 MHz Folded Monopole Antenna Combination GPS/UHF 495-527 MHz Folded Monopole Antenna Combination UHF/GPS 403-433 MHz Stubby Antenna	higher gain to maximize range. This capless design provides maximum flexibility and built in capability to operate at GPS frequencies. Short, nonobtrusive stubby antennas are ideal for situations when radios ar worn on the user's belt. These rugger helical antennas feature a capless
RLN5881 RLN5882 RLN5883 PMLN5097 PMLN5106 PMLN5111 PMLN5112 RLN4760 RLN4761	IMPRES 2 Wire Surveillance Kit, Beige IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Black IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Beige IMPRES 3 Wire Surveillance Kit - Black IMPRES 3 Wire Surveillance Kit - Beige IMPRES 3 Wire Surveillance Kit - Beige IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Beige Small Custom Earpiece, Right Ear, for Surveillance Kits Medium Custom Earpiece, Right Ear, for Surveillance Kits		Antennas PMAE4018 PMAE4024 PMAE4050 PMAE4051 PMAE4021	Combination UHF/GPS 403-433 MHz Folded Monopole Antenna Combination UHF/GPS 430-470 MHz Folded Monopole Antenna Combination GPS/UHF 450-495 MHz Folded Monopole Antenna Combination GPS/UHF 495-527 MHz Folded Monopole Antenna Combination UHF/GPS 403-433 MHz Stubby Antenna	higher gain to maximize range. This capless design provides maximum flexibility and built in capability to operate at GPS frequencies. Short, nonobtrusive stubby antennas are ideal for situations when radios ar worn on the user's belt. These rugger
RLN5881 RLN5882 RLN5883 PMLN5097 PMLN5106 PMLN5111 PMLN5112 RLN4760 RLN4761 RLN4762	IMPRES 2 Wire Surveillance Kit, Beige IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Black IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Beige IMPRES 3 Wire Surveillance Kit - Black IMPRES 3 Wire Surveillance Kit - Beige IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Beige Small Custom Earpiece, Right Ear, for Surveillance Kits Medium Custom Earpiece, Right Ear, for Surveillance Kits Large Custom Earpiece, Right Ear, for Surveillance Kits	are perfect for low-noise environments. Compatible with Motorola Noise and	Antennas PMAE4018 PMAE4024 PMAE4050 PMAE4051 PMAE4021	Combination UHF/GPS 403-433 MHz Folded Monopole Antenna Combination UHF/GPS 430-470 MHz Folded Monopole Antenna Combination GPS/UHF 450-495 MHz Folded Monopole Antenna Combination GPS/UHF 495-527 MHz Folded Monopole Antenna Combination UHF/GPS 403-433 MHz Stubby Antenna	higher gain to maximize range. This capless design provides maximum flexibility and built in capability to operate at GPS frequencies. Short, nonobtrusive stubby antennas are ideal for situations when radios ar worn on the user's belt. These rugged helical antennas feature a capless sheath that allows for maximum flex-
RLN5881 RLN5882 RLN5697 PMLN5106 PMLN5111 PMLN5112 RLN4760 RLN4761 RLN4762 RLN4763	IMPRES 2 Wire Surveillance Kit, Beige IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Black IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Beige IMPRES 3 Wire Surveillance Kit - Black IMPRES 3 Wire Surveillance Kit - Beige IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Beige Small Custom Earpiece, Right Ear, for Surveillance Kits Medium Custom Earpiece, Right Ear, for Surveillance Kits Large Custom Earpiece, Right Ear, for Surveillance Kits Small Custom Earpiece, Right Ear, for Surveillance Kits Small Custom Earpiece, Right Ear, for Surveillance Kits	are perfect for low-noise environments. Compatible with Motorola Noise and	Antennas PMAE4018 PMAE4024 PMAE4024 PMAE4050 PMAE4051 PMAE4023 PMAE4022	Combination UHF/GPS 403-433 MHz Folded Monopole Antenna Combination UHF/GPS 430-470 MHz Folded Monopole Antenna Combination GPS/UHF 450-495 MHz Folded Monopole Antenna Combination GPS/UHF 495-527 MHz Folded Monopole Antenna Combination UHF/GPS 403-433 MHz Stubby Antenna Combination UHF/GPS 430-470 MHz Stubby Antenna	higher gain to maximize range. This capless design provides maximum flexibility and built in capability to operate at GPS frequencies. Short, nonobtrusive stubby antennas are ideal for situations when radios at worn on the user's belt. These rugger helical antennas feature a capless sheath that allows for maximum flex- ibility. Built in GPS capability. Flexible whip antennas have a one piece finish, steel core and spiral
RLN5881 RLN5882 RLN5683 PMLN5097 PMLN5106 PMLN5111 PMLN5112 RLN4760 RLN4761 RLN4762 RLN4763 RLN4764	IMPRES 2 Wire Surveillance Kit, Beige IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Black IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Beige IMPRES 3 Wire Surveillance Kit - Black IMPRES 3 Wire Surveillance Kit - Beige IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Beige Small Custom Earpiece, Right Ear, for Surveillance Kits Large Custom Earpiece, Right Ear, for Surveillance Kits Small Custom Earpiece, Left Ear, for Surveillance Kits Medium Custom Earpiece Left Ear, for Surveillance Kits Medium Custom Earpiece Left Ear, for Surveillance Kits	are perfect for low-noise environments. Compatible with Motorola Noise and	Antennas PMAE4018 PMAE4024 PMAE4050 PMAE4051 PMAE4021 PMAE4023 PMAE4022 PMAE4024	Combination UHF/GPS 403-433 MHz Folded Monopole Antenna Combination UHF/GPS 430-470 MHz Folded Monopole Antenna Combination GPS/UHF 450-495 MHz Folded Monopole Antenna Combination GPS/UHF 496-527 MHz Folded Monopole Antenna Combination UHF/GPS 403-433 MHz Stubby Antenna Combination UHF/GPS 430-470 MHz Stubby Antenna UHF 403-470 MHz Whip Antenna UHF 450-527 MHz Whip Antenna	higher gain to maximize range. This capless design provides maximum flexibility and built in capability to operate at GPS frequencies. Short, nonobtrusive stubby antennas are ideal for situations when radios ar worn on the user's belt. These rugger helical antennas feature a capless sheath that allows for maximum flex- ibility. Built in GPS capability. Flexible whip antennas have a one piece finish, steel core and spiral wound conductor for.
RLN5881 RLN5882 RLN5883 PMLN5097 PMLN5106 PMLN5111 PMLN5111 RLN4760 RLN4761 RLN4761 RLN4763 RLN4764 RLN4765	IMPRES 2 Wire Surveillance Kit, Beige IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Black IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Beige IMPRES 3 Wire Surveillance Kit - Black IMPRES 3 Wire Surveillance Kit - Beige IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Beige Small Custom Earpiece, Right Ear, for Surveillance Kits Medium Custom Earpiece, Right Ear, for Surveillance Kits Israel Custom Earpiece, Right Ear, for Surveillance Kits Small Custom Earpiece, Left Ear, for Surveillance Kits Medium Custom Earpiece Left Ear, for Surveillance Kits Large Custom Earpiece, Left Ear, for Surveillance Kits Large Custom Earpiece, Left Ear, for Surveillance Kits	are perfect for low-noise environments. Compatible with Motorola Noise and Surveillance Kits	Antennas PMAE4018 PMAE4018 PMAE4024 PMAE4050 PMAE4051 PMAE4021 PMAE4023 PMAE4022 PMAE4024 PMAE4022 PMAE4022 PMAE4022 PMAE4024	Combination UHF/GPS 403-433 MHz Folded Monopole Antenna Combination UHF/GPS 430-470 MHz Folded Monopole Antenna Combination GPS/UHF 450-495 MHz Folded Monopole Antenna Combination GPS/UHF 495-527 MHz Folded Monopole Antenna Combination UHF/GPS 403-433 MHz Stubby Antenna Combination UHF/GPS 430-470 MHz Stubby Antenna UHF 403-470 MHz Whip Antenna UHF 450-527 MHz Whip Antenna Combination VHF/GPS 136-147 MHz Helical Antenna	higher gain to maximize range. This capless design provides maximum flexibility and built in capability to operate at GPS frequencies. Short, nonobtrusive stubby antennas are ideal for situations when radios at worn on the user's belt. These rugge- helical antennas feature a capless sheath that allows for maximum flex- ibility. Built in GPS capability. Flexible whip antennas have a one piece finish, steel core and spiral wound conductor for. Medium size helical antennas feature
RLN5881 RLN5882 RLN5883 PMLN5097 PMLN5106 PMLN5110 PMLN5112 RLN4760 RLN4761 RLN4762 RLN4763 RLN4765 RLN4765 RLN4785	IMPRES 2 Wire Surveillance Kit, Beige IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Black IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Beige IMPRES 3 Wire Surveillance Kit - Black IMPRES 3 Wire Surveillance Kit - Beige IMPRES 3 Wire Surveillance Kit - Beige IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Beige Small Custom Earpiece, Right Ear, for Surveillance Kits Medium Custom Earpiece, Right Ear, for Surveillance Kits Large Custom Earpiece, Right Ear, for Surveillance Kits Small Custom Earpiece, Left Ear, for Surveillance Kits Medium Custom Earpiece Left Ear, for Surveillance Kits Large Custom Earpiece, Left Ear, for Surveillance Kits Large Custom Earpiece, Left Ear, for Surveillance Kits Large Custom Earpiece, Left Ear, for Surveillance Kits	are perfect for low-noise environments. Compatible with Motorola Noise and Surveillance Kits Noise Kits provide extra comfort and/	Antennas PMAE4018 PMAE4018 PMAE4024 PMAE4050 PMAE4051 PMAE4021 PMAE4023 PMAE4022 PMAE4022 PMAE4022 PMAE4022 PMAE4022 PMAE4023	Combination UHF/GPS 403-433 MHz Folded Monopole Antenna Combination UHF/GPS 430-470 MHz Folded Monopole Antenna Combination GPS/UHF 450-495 MHz Folded Monopole Antenna Combination GPS/UHF 495-527 MHz Folded Monopole Antenna Combination UHF/GPS 403-433 MHz Stubby Antenna Combination UHF/GPS 430-470 MHz Stubby Antenna UHF 403-470 MHz Whip Antenna UHF 450-527 MHz Whip Antenna Combination VHF/GPS 136-147 MHz Helical Antenna Combination VHF/GPS 147-160 MHz Helical Antenna	higher gain to maximize range. This capless design provides maximum flexibility and built in capability to operate at GPS frequencies. Short, nonobtrusive stubby antennas are ideal for situations when radios at worn on the user's belt. These rugge- helical antennas feature a capless sheath that allows for maximum flex- ibility. Built in GPS capability. Flexible whip antennas have a one piece finish, steel core and spiral wound conductor for. Medium size helical antennas feature
RLN5881 RLN5882 RLN5883 PMLN5097 PMLN5106 PMLN5110 PMLN5112 RLN4760 RLN4761 RLN4762 RLN4763 RLN4765 RLN4765 RLN4785	IMPRES 2 Wire Surveillance Kit, Beige IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Black IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Beige IMPRES 3 Wire Surveillance Kit - Black IMPRES 3 Wire Surveillance Kit - Beige IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Beige Small Custom Earpiece, Right Ear, for Surveillance Kits Medium Custom Earpiece, Right Ear, for Surveillance Kits Israel Custom Earpiece, Right Ear, for Surveillance Kits Small Custom Earpiece, Left Ear, for Surveillance Kits Medium Custom Earpiece Left Ear, for Surveillance Kits Large Custom Earpiece, Left Ear, for Surveillance Kits Large Custom Earpiece, Left Ear, for Surveillance Kits	are perfect for low-noise environments. Compatible with Motorola Noise and Surveillance Kits	Antennas PMAE4018 PMAE4018 PMAE4024 PMAE4050 PMAE4051 PMAE4021 PMAE4023 PMAE4022 PMAE4024 PMAE4022 PMAE4022 PMAE4022 PMAE4024	Combination UHF/GPS 403-433 MHz Folded Monopole Antenna Combination UHF/GPS 430-470 MHz Folded Monopole Antenna Combination GPS/UHF 450-495 MHz Folded Monopole Antenna Combination GPS/UHF 495-527 MHz Folded Monopole Antenna Combination UHF/GPS 403-433 MHz Stubby Antenna Combination UHF/GPS 430-470 MHz Stubby Antenna UHF 403-470 MHz Whip Antenna UHF 450-527 MHz Whip Antenna Combination VHF/GPS 136-147 MHz Helical Antenna	higher gain to maximize range. This capless design provides maximum flexibility and built in capability to operate at GPS frequencies. Short, nonobtrusive stubby antennas are ideal for situations when radios a worn on the user's belt. These rugge helical antennas feature a capless sheath that allows for maximum flex- ibility. Built in GPS capability. Flexible whip antennas have a one piece finish, steel core and spiral wound conductor for. Medium size helical antennas feature a capless sheath that allows maximu
RLN5881 RLN5882 RLN5883 PMLN5097 PMLN5106 PMLN5111 PMLN5112 RLN4760 RLN4762 RLN4763 RLN4763 RLN4765 RLN4765 RLN4785	IMPRES 2 Wire Surveillance Kit, Beige IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Black IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Beige IMPRES 3 Wire Surveillance Kit - Black IMPRES 3 Wire Surveillance Kit - Beige IMPRES 3 Wire Surveillance Kit - Beige IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Beige Small Custom Earpiece, Right Ear, for Surveillance Kits Medium Custom Earpiece, Right Ear, for Surveillance Kits Large Custom Earpiece, Right Ear, for Surveillance Kits Small Custom Earpiece, Left Ear, for Surveillance Kits Medium Custom Earpiece Left Ear, for Surveillance Kits Large Custom Earpiece, Left Ear, for Surveillance Kits Large Custom Earpiece, Left Ear, for Surveillance Kits Large Custom Earpiece, Left Ear, for Surveillance Kits	are perfect for low-noise environments. Compatible with Motorola Noise and Surveillance Kits Noise Kits provide extra comfort and/ or noise protection for users wearing surveillance accessories. Extreme noise kit provides 24 dB noise reduc-	Antennas PMAE4018 PMAE4018 PMAE4024 PMAE4050 PMAE4051 PMAE4021 PMAE4023 PMAE4022 PMAE4022 PMAE4022 PMAE4022 PMAE4022 PMAE4023	Combination UHF/GPS 403-433 MHz Folded Monopole Antenna Combination UHF/GPS 430-470 MHz Folded Monopole Antenna Combination GPS/UHF 450-495 MHz Folded Monopole Antenna Combination GPS/UHF 495-527 MHz Folded Monopole Antenna Combination UHF/GPS 403-433 MHz Stubby Antenna Combination UHF/GPS 430-470 MHz Stubby Antenna UHF 403-470 MHz Whip Antenna UHF 450-527 MHz Whip Antenna Combination VHF/GPS 136-147 MHz Helical Antenna Combination VHF/GPS 147-160 MHz Helical Antenna	higher gain to maximize range. This capless design provides maximum flexibility and built in capability to operate at GPS frequencies. Short, nonobtrusive stubby antennas are ideal for situations when radios at worn on the user's belt. These rugget helical antennas feature a capless sheath that allows for maximum flex- ibility. Built in GPS capability. Flexible whip antennas have a one piece finish, steel core and spiral wound conductor for. Medium size helical antennas feature a capless sheath that allows maximu flexibility. Built in GPS capability.
RLN5881 RLN5882 RLN5883 PMLN5097 PMLN5106 PMLN5111 PMLN5112 RLN4760 RLN4762 RLN4763 RLN4763 RLN4765 RLN4765 RLN4785	IMPRES 2 Wire Surveillance Kit, Beige IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Black IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Beige IMPRES 3 Wire Surveillance Kit - Black IMPRES 3 Wire Surveillance Kit - Beige IMPRES 3 Wire Surveillance Kit - Beige IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Beige Small Custom Earpiece, Right Ear, for Surveillance Kits Medium Custom Earpiece, Right Ear, for Surveillance Kits Large Custom Earpiece, Right Ear, for Surveillance Kits Small Custom Earpiece, Left Ear, for Surveillance Kits Medium Custom Earpiece Left Ear, for Surveillance Kits Large Custom Earpiece, Left Ear, for Surveillance Kits Large Custom Earpiece, Left Ear, for Surveillance Kits Large Custom Earpiece, Left Ear, for Surveillance Kits	are perfect for low-noise environments. Compatible with Motorola Noise and Surveillance Kits Noise Kits provide extra comfort and/ or noise protection for users wearing surveillance accessories. Extreme noise kit provides 24 dB noise reduc- tion. Low Noise Kit does not provide	Antennas PMAE4018 PMAE4018 PMAE4024 PMAE4050 PMAE4051 PMAE4021 PMAE4023 PMAE4022 PMAE4049 PMAD4067 PMAD4068 PMAD4068	Combination UHF/GPS 403-433 MHz Folded Monopole Antenna Combination UHF/GPS 430-470 MHz Folded Monopole Antenna Combination GPS/UHF 450-495 MHz Folded Monopole Antenna Combination GPS/UHF 495-527 MHz Folded Monopole Antenna Combination UHF/GPS 403-433 MHz Stubby Antenna Combination UHF/GPS 430-470 MHz Stubby Antenna UHF 403-470 MHz Whip Antenna UHF 450-527 MHz Whip Antenna Combination VHF/GPS 136-147 MHz Helical Antenna Combination VHF/GPS 160-174 MHz Helical Antenna Combination VHF/GPS 160-174 MHz Helical Antenna	higher gain to maximize range. This capless design provides maximum flexibility and built in capability to operate at GPS frequencies. Short, nonobtrusive stubby antennas are ideal for situations when radios at worn on the user's belt. These rugget helical antennas feature a capless sheath that allows for maximum flex- ibility. Built in GPS capability. Flexible whip antennas have a one piece finish, steel core and spiral wound conductor for. Medium size helical antennas feature a capless sheath that allows maximu flexibility. Built in GPS capability. Single antenna capable to cover the whole range of VHF frequency band.
RLN5881 RLN5882 RLN5097 PMLN5106 PMLN5106 PMLN5111 PMLN5112 RLN4760 RLN4761 RLN4762 RLN4762 RLN4765 RLN4765 RLN4765 RLN5886 RLN5887	IMPRES 2 Wire Surveillance Kit, Beige IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Black IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Beige IMPRES 3 Wire Surveillance Kit - Black IMPRES 3 Wire Surveillance Kit - Beige IMPRES 3 Wire Surveillance Kit - Beige Small Custom Earpiece, Right Ear, for Surveillance Kits Medium Custom Earpiece, Right Ear, for Surveillance Kits Small Custom Earpiece, Right Ear, for Surveillance Kits Small Custom Earpiece, Left Ear, for Surveillance Kits Large Custom Earpiece, Left Ear, for Surveillance Kits	are perfect for low-noise environments. Compatible with Motorola Noise and Surveillance Kits Noise Kits provide extra comfort and/ or noise protection for users wearing surveillance accessories. Extreme noise kit provides 24 dB noise reduc- tion. Low Noise Kit does not provide hearing protection.	Antennas PMAE4018 PMAE4018 PMAE4024 PMAE4050 PMAE4051 PMAE4021 PMAE4023 PMAE4022 PMAE4022 PMAE4023 PMAE4023	Combination UHF/GPS 403-433 MHz Folded Monopole Antenna Combination UHF/GPS 430-470 MHz Folded Monopole Antenna Combination GPS/UHF 450-495 MHz Folded Monopole Antenna Combination GPS/UHF 495-527 MHz Folded Monopole Antenna Combination UHF/GPS 403-433 MHz Stubby Antenna Combination UHF/GPS 430-470 MHz Stubby Antenna UHF 403-470 MHz Whip Antenna UHF 450-527 MHz Whip Antenna Combination VHF/GPS 136-147 MHz Helical Antenna Combination VHF/GPS 147-160 MHz Helical Antenna Combination VHF/GPS 160-174 MHz Helical Antenna	higher gain to maximize range. This capless design provides maximum flexibility and built in capability to operate at GPS frequencies. Short, nonobtrusive stubby antennas are ideal for situations when radios ar worn on the user's belt. These rugget helical antennas feature a capless sheath that allows for maximum flex- ibility. Built in GPS capability. Flexible whip antennas have a one piece finish, steel core and spiral wound conductor for. Medium size helical antennas feature a capless sheath that allows maximum flexibility. Built in GPS capability. Single antenna capable to cover the whole range of VHF frequency band. To be utilized with the IMPRES Public
RLN5881 RLN5882 PMLN5097 PMLN5106 PMLN5106 PMLN5111 PMLN5112 RLN4760 RLN4761 RLN4762 RLN4762 RLN4765 RLN4765 RLN5886 RLN5887 RLN5887	IMPRES 2 Wire Surveillance Kit, Beige IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Black IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Beige IMPRES 3 Wire Surveillance Kit - Black IMPRES 3 Wire Surveillance Kit - Beige IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance, Right Ear, for Surveillance Kits Large Custom Earpiece, Right Ear, for Surveillance Kits Small Custom Earpiece, Left Ear, for Surveillance Kits Large Custom Earpiece, Left Ear, for Surveillance Kits Large Custom Earpiece, Left Ear, for Surveillance Kits Surveillance Low Noise Kit Surveillance Extreme Noise Kit Receive Only Earpiece	are perfect for low-noise environments. Compatible with Motorola Noise and Surveillance Kits Noise Kits provide extra comfort and/ or noise protection for users wearing surveillance accessories. Extreme noise kit provides 24 dB noise reduc- tion. Low Noise Kit does not provide hearing protection. These accessories allow users to receive audio discreetly. Any of the	Antennas PMAE4018 PMAE4018 PMAE4024 PMAE4050 PMAE4051 PMAE4021 PMAE4023 PMAE4023 PMAE4024 PMAE4023 PMAE4023 PMAE4024 PMAE4025 PMAE4023 PMAE4024 PMAE4025 PMAE4026 PMAE4027 PMAE4028 PMAD4067 PMAD4068 PMAE4046 PMAE4046	Combination UHF/GPS 403-433 MHz Folded Monopole Antenna Combination UHF/GPS 430-470 MHz Folded Monopole Antenna Combination GPS/UHF 450-495 MHz Folded Monopole Antenna Combination GPS/UHF 495-527 MHz Folded Monopole Antenna Combination UHF/GPS 403-433 MHz Stubby Antenna Combination UHF/GPS 430-470 MHz Stubby Antenna UHF 403-470 MHz Whip Antenna UHF 403-470 MHz Whip Antenna Combination VHF/GPS 136-147 MHz Helical Antenna Combination VHF/GPS 147-160 MHz Helical Antenna Combination VHF/GPS 160-174 MHz Helical Antenna Combination VHF/GPS 160-174 MHz Helical Antenna UHF 136-174 MHz Wideband Antenna	higher gain to maximize range. This capless design provides maximum flexibility and built in capability to operate at GPS frequencies. Short, nonobtrusive stubby antennas are ideal for situations when radios ar worn on the user's belt. These rugged helical antennas feature a capless sheath that allows for maximum flex- ibility. Built in GPS capability. Flexible whip antennas have a one piece finish, steel core and spiral wound conductor for. Medium size helical antennas feature a capless sheath that allows maximum flexibility. Built in GPS capability. Single antenna capable to cover the whole range of VHF frequency band.
RLN5881 RLN5882 RLN5883 PMLN5097 PMLN5106 PMLN5106 PMLN5111 PMLN5112 RLN4760 RLN4761 RLN4763 RLN4763 RLN4765 RLN4765 RLN5886 RLN5887 RLN5887 RLN5887	IMPRES 2 Wire Surveillance Kit, Beige IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Black IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Beige IMPRES 3 Wire Surveillance Kit - Black IMPRES 3 Wire Surveillance Kit - Beige IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance, Right Ear, for Surveillance Kits Large Custom Earpiece, Right Ear, for Surveillance Kits Small Custom Earpiece, Left Ear, for Surveillance Kits Large Custom Earpiece, Left Ear, for Surveillance Kits Surveillance Low Noise Kit Surveillance Extreme Noise Kit Receive Only Earpiece Receive Only Earpiece Receive Only Earpiece	are perfect for low-noise environments. Compatible with Motorola Noise and Surveillance Kits Noise Kits provide extra comfort and/ or noise protection for users wearing surveillance accessories. Externe noise kit provides 24 dB noise reduc- tion. Low Noise Kit does not provide hearing protection. These accessories allow users to receive audio discreetly. Any of the microphones that have a 3.5 mm	Antennas PMAE4018 PMAE4018 PMAE4024 PMAE4050 PMAE4051 PMAE4021 PMAE4023 PMAE4022 PMAE4049 PMAD4067 PMAD4068 PMAD4068	Combination UHF/GPS 403-433 MHz Folded Monopole Antenna Combination UHF/GPS 430-470 MHz Folded Monopole Antenna Combination GPS/UHF 450-495 MHz Folded Monopole Antenna Combination GPS/UHF 495-527 MHz Folded Monopole Antenna Combination UHF/GPS 403-433 MHz Stubby Antenna Combination UHF/GPS 430-470 MHz Stubby Antenna UHF 403-470 MHz Whip Antenna UHF 450-527 MHz Whip Antenna Combination VHF/GPS 136-147 MHz Helical Antenna Combination VHF/GPS 160-174 MHz Helical Antenna Combination VHF/GPS 160-174 MHz Helical Antenna	higher gain to maximize range. This capless design provides maximum flexibility and built in capability to operate at GPS frequencies. Short, nonobtrusive stubby antennas are ideal for situations when radios ar worn on the user's belt. These rugge helical antennas feature a capless sheath that allows for maximum flex- ibility. Built in GPS capability. Flexible whip antennas have a one piece finish, steel core and spiral wound conductor for. Medium size helical antennas feature a capless sheath that allows maximum flexibility. Built in GPS capability. Single antenna capable to cover the whole range of VHF frequency band. To be utilized with the IMPRES Public Safety Microphones. (PMMN4041,
RLN5880 RLN5881 RLN5882 RLN5882 PMLN5106 PMLN5106 PMLN5107 RLN4760 RLN4760 RLN4761 RLN4763 RLN4763 RLN4764 RLN4765 RLN5886 RLN5887 RLN5887 RLN5887 RLN49411 AARLN4885 WADN4190 PMLN4620	IMPRES 2 Wire Surveillance Kit, Beige IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Black IMPRES 2 Wire Surveillance Kit w/Translucent Tube, Beige IMPRES 3 Wire Surveillance Kit - Black IMPRES 3 Wire Surveillance Kit - Beige IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance Kit w/Translucent Tube - Black IMPRES 3 Wire Surveillance, Right Ear, for Surveillance Kits Large Custom Earpiece, Right Ear, for Surveillance Kits Small Custom Earpiece, Left Ear, for Surveillance Kits Large Custom Earpiece, Left Ear, for Surveillance Kits Large Custom Earpiece, Left Ear, for Surveillance Kits Surveillance Low Noise Kit Surveillance Extreme Noise Kit Receive Only Earpiece	are perfect for low-noise environments. Compatible with Motorola Noise and Surveillance Kits Noise Kits provide extra comfort and/ or noise protection for users wearing surveillance accessories. Extreme noise kit provides 24 dB noise reduc- tion. Low Noise Kit does not provide hearing protection. These accessories allow users to receive audio discreetly. Any of the	Antennas PMAE4018 PMAE4018 PMAE4024 PMAE4050 PMAE4051 PMAE4021 PMAE4023 PMAE4023 PMAE4024 PMAE4023 PMAE4023 PMAE4024 PMAE4025 PMAE4023 PMAE4024 PMAE4025 PMAE4026 PMAE4027 PMAE4028 PMAD4067 PMAD4068 PMAE4046 PMAE4046	Combination UHF/GPS 403-433 MHz Folded Monopole Antenna Combination UHF/GPS 430-470 MHz Folded Monopole Antenna Combination GPS/UHF 450-495 MHz Folded Monopole Antenna Combination GPS/UHF 495-527 MHz Folded Monopole Antenna Combination UHF/GPS 403-433 MHz Stubby Antenna Combination UHF/GPS 430-470 MHz Stubby Antenna UHF 403-470 MHz Whip Antenna UHF 403-470 MHz Whip Antenna Combination VHF/GPS 136-147 MHz Helical Antenna Combination VHF/GPS 147-160 MHz Helical Antenna Combination VHF/GPS 160-174 MHz Helical Antenna Combination VHF/GPS 160-174 MHz Helical Antenna UHF 136-174 MHz Wideband Antenna	higher gain to maximize range. This capless design provides maximum flexibility and built in capability to operate at GPS frequencies. Short, nonobtrusive stubby antennas are ideal for situations when radios ar worn on the user's belt. These rugged helical antennas feature a capless sheath that allows for maximum flex- ibility. Built in GPS capability. Flexible whip antennas have a one piece finish, steel core and spiral wound conductor for. Medium size helical antennas feature a capless sheath that allows maximum flexibility. Built in GPS capability. Single antenna capable to cover the whole range of VHF frequency band. To be utilized with the IMPRES public Safety Microphones. (PMNNH4041, PMMNH4042, PMIMNH4043)



IMPRES[™] Smart Audio System– *A Unique Audio Technology that Enables the Highest Quality Communications*

Motorola's state-of-the-art IMPRES audio technology allows communication between the radio and audio accessories, enabling enhanced performance and capabilities, both in analog and digital modes—now and into the future.

• **IMPRES[™] Smart Audio System**—Enables enhanced audio performance and capabilities.

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: IMPRES audio 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 specific customer applications and needs.

Enhanced Audio Gain Capability: IMPRES audio accessories have significantly enhanced audio gain capability. When a user is either speaking quietly or is speaking in a normal volume but not directly into the microphone, IMPRES audio can detect that condition and will automatically increase the gain such that the person on the receiving end hears a clear transmission.

- **Built-in Antenna Signal**—The portable connector design incorporates the antenna signal within the audio connector, which allows for easy use of accessories that require an antenna signal, such as public safety microphones.
- **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 portable connector design also incorporates builtin USB capability to allow for the use of USB-capable accessories. The audio accessory interface is now the Motorola standard audio accessory interface for mid- to high-tier two-way radios. Future accessory development will be based upon this connector interface. Your customers will be able to take advantage of future releases of new audio accessories.





MOTOTRBO[™] Portable Radio Specifications



Display VHF/UHF

Non-GPS XPR[™] 6500

GPS XPR[™] 6550



Non-Display VHF/UHF

Non-GPS XPR[™] 6300

GPS XPR[™] 6350

General Specifications

	Display XPR 6500 / XPR 6550					
	VHF	UHF Band I	UHF Band II	VHF	UHF Band I	UHF Band II
Channel Capacity		160		32		
Frequency	136-174 MHz	403-470 MHz	450-512 MHz	136-174 MHz	403-470 MHz	450-512 MHz
Dimensions (HxWxT) w/ Lilon Battery	5.18	x 2.50 x 1.39 in (131.5 x 63.5 x 35.2	mm)	5.18 x 2.50 x 1.39 in (131.5 x 63.5 x 35.2 mm)		
Weight (with IMPRES Lilon 1500 mAh Battery) (with IMPRES Lilon 1400 mAh FM Battery) (with IMPRES Lilon 2200 mAh Battery) (with NiMH 1300 mAh Battery)	12.7 oz (360 g) 13 oz (370 g) 13.17 oz (375 g) 15.2 oz (430 g)			11.63 oz (330 g) 11.98 oz (340 g) 12.12 oz (345 g) 14.09 oz (400 g)		
Power Supply		7.5 V nominal		7.5 V nominal		
FCC Description	AZ489FT3815	AZ489FT4876	AZ489FT4884	AZ489FT3815	AZ489FT4876	AZ489FT4884
IC Description	109U-89FT3815	109U-89FT4876	109U-89FT4884	109U-89FT3815	109U-89FT4876	109U-89FT488
Average battery life at 5/5/90 duty cycle with batte	ry saver enabled in carrier squelch a	nd transmitter in high power.	^			
IMPRES Lilon 1500 mAh Battery	Analog: 9 hrs Digital: 13 hrs			Analog: 9 hrs Digital: 13 hrs		
IMPRES Lilon FM 1400 mAh Battery	Analog: 8.5 hrs Digital: 12 hrs			Analog: 8.5 hrs Digital: 12 hrs		
IMPRES Lilon 2200 mAh Battery	Analog: 13.5 hrs Digital: 19 hrs			Analog: 13.5 hrs Digital: 19 hrs		
NiMH 1300 mAh Battery				Analog: 8 hrs Digital: 11 hrs		

Receiver

	Display XPR 6500 / XPR 6550			Non-Display XPR 6300 / XPR 6350			
	VHF	UHF Band I	UHF Band II	VHF	UHF Band I	UHF Band II	
Frequencies	136-174 MHz	403-470 MHz	450-512 MHz	136-174 MHz	403-470 MHz	450-512 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			
onducted Spurious Emission (TIA603C) -57 dBm			-57 dBm				

Specifications subject to change without notice. All specifications shown are typical. Radio meets applicable regulatory requirements. Version 7 07/08

Transmitter							
	Display XPR 6500 / XPR 6550			Non-Display XPR 6300 / XPR 6350			
	VHF	UHF Band I	UHF Band II	VHF	UHF Band I	UHF Band II	
Frequencies	136-174 MHz	403-470 MHz	450-512 MHz	136-174 MHz	403-470 MHz	450-512 MHz	
Channel Spacing	12.5 kHz	z/ 25 kHz		12.5 kH	z/ 25 kHz		
Frequency Stability (-30° C, +60° C, +25° C Ref.)	+/- 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 5 W	1 W 4 W		1 W 5 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	TIAG	TIA603C			TIA603C		
Audio Distortion	3	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	AMBI	AMBE+2™			AMBE+2 TM		
Digital Protocol	ETSI TS 102 361-1, -2, -3			ETSITS 102 361-1, -2, -3			

GPS						
Accuracy specs are for long-term tracking (95th percentile values > 5 satellites visible at a nominal -130 dBm signal strength)						
TTFF (Time To First Fix) Cold Start	< 2 minutes	< 2 minutes				
TTFF (Time To First Fix) Hot Start	< 10 seconds	< 10 seconds				
Horizontal Accuracy	< 10 meters	< 10 meters				

Military Standards

		810E		810F	
Applicable MIL-STD	Methods	Procedures	Methods	Procedures	
Low Pressure	500.3	Ш	500.4	Ш	
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	Ш	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	

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	MILSTD 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.







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