



MOTOROLA



MOTOTRBO™

PROFESSIONAL DIGITAL TWO-WAY RADIO SYSTEM

ACCESSORIES AND BATTERIES



Motorola Original® Accessories let you make the most of your MOTOTRBO system's capabilities.



Here's why.

You made a sound business decision when you chose your Motorola MOTOTRBO professional digital two-way radio. When you choose performance-matched Motorola Original accessories, you're making another good call.

That's because every Motorola Original accessory is designed, built and rigorously tested to the same quality standards as Motorola radios. So you can be sure that each will be ready to do its job, time after time—helping to increase your productivity. After all, if you take a chance on a mismatched battery, a flimsy headset, or an ill-fitting carry case, your radio may not perform at the moment you have to use it.

Through an exclusive, patented technology, Motorola's IMPRES accessory portfolio enables communication between the radio and associated accessories. The MOTOTRBO platform is the first to offer a combined portfolio of IMPRES energy and audio accessories designed to meet your advanced communication needs.

We're pleased to bring you this comprehensive collection of proven Motorola Original accessories for your important business communication needs. You'll find remote speaker microphones for more convenient communication. Discreet earpiece systems to help ensure privacy and aid surveillance. Carry cases for ease when on the move. A headset for hands-free operation. Premium batteries to extend work time, and more. They're all ready to help you work smarter, harder and with greater confidence.

THE DIGITAL DIFFERENCE

MOTOTRBO offers a robust, standards-based 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, data applications, and services—a comprehensive communication solution for your business.

MOTOTRBO offers a multitude of features and benefits. TDMA digital technology provides twice the calling capacity (as compared to analog or FDMA radios) for the price of one frequency license. Integrated voice and data capabilities support integrated applications including MOTOTRBO Text Messaging Services and an integrated GPS module is included for use with your third-party location tracking applications. Also, Motorola's Application Developer Program accommodates custom data applications so that you can adapt radios to support your specific business tasks.

And digital voice processing plus enhanced call signaling assures faster and more reliable calls. Other features such as enhanced battery life, IP57 submersibility for portables, and the ability to operate in both analog and digital modes make it easy and affordable to adapt MOTOTRBO for the unique needs of your operation, and migrate to a digital two-way radio platform at your own pace.

MOTOTRBO PORTABLES

XPR 6550/6580 Display Portable Radios

XPR 6350/6380 Non-Display Portable Radios

MOTOTRBO MOBILES

XPR 4550/4580 Display Mobile Radios

XPR 4350/4380 Numeric Display Mobile Radios

MOTOTRBO REPEATER

XPR 8300/8380 Repeater



RMN5058A
Lightweight Headset

MOTOTRBO Professional Digital Two-way Radio Systems provide expanded digital voice, data and control capabilities so you can support more users in more ways.

IMPRES™ Smart Audio System— Exclusive audio technology enables high quality communication.

Motorola digital technology enables breakthrough radio performance and features. Our 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**—Provides businesses and agencies with a solution that optimizes key aspects of two-way audio quality—loudness, clarity and intelligibility.

Optimal Audio Performance: When an IMPRES accessory is attached, accessory identification is sent to the MOTOTRBO 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. For example, the IMPRES remote speaker microphone capitalizes on the MOTOTRBO radio's intelligent signal processing for superior noise suppression, speech clarity, and loudness—even in difficult weather conditions.

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 accessories with programmable buttons to have independently programmed features. The radio can be customized to fit your specific applications and needs.

Enhanced Audio Gain Capability (AGC): IMPRES audio accessories have significantly enhanced audio gain capability. When you are speaking either quietly or speaking in a normal volume but not directly into the microphone, IMPRES audio can detect that condition and will automatically increase the gain. AGC eliminates the need to adjust volume levels repeatedly.

- **Built-in Accessory Antenna Port**—The portable connector design incorporates the antenna signal pass-through within the audio connector, eliminating the need for an external radio frequency (RF) adapter for public safety microphones.
- **Submersibility**—This connector design meets IP57 submersibility requirements. This allows for use with submersible accessories, such as the submersible remote speaker microphone, which provides reliable communications even in wet conditions.
- **Future Applications**—The portable connector design also incorporates built-in USB capability to allow for the use of USB-capable accessories.



SPEAKER MICROPHONES

The windporting feature helps lessen background noise coming from high winds and other severe weather conditions.



PMMN4025A



PMMN4046A



PMMN4043A

WINDPORTING REMOTE SPEAKER MICROPHONES

These remote speaker microphones boast a revolutionary windporting feature that helps lessen background noise from high winds and other severe weather conditions. Audio can pass through the speaker grill even when the microphone port is blocked by water. Now public safety professionals can be more confident than ever of clear, understandable communication when Mother Nature is uncooperative.

All microphones include push-to-talk switch, swivel clip and quick disconnect latch.

PMMN4046A has a large housing for users operating with gloves or in rugged environments.

- | | |
|------------|---|
| PMMN4024A* | Remote Speaker Microphone with 3.5mm Audio Jack |
| PMMN4025A* | IMPRES Remote Speaker Microphone with 3.5mm Audio Jack |
| PMMN4040A* | Remote Speaker Microphone, Submersible (IP57) |
| PMMN4046A* | IMPRES Remote Speaker Microphone with volume control, emergency and programmable button, Submersible (IP57) |

NOISE-CANCELLING REMOTE SPEAKER MICROPHONE

This remote speaker microphone features a noise cancelling directional microphone which helps eliminate ambient noise and is beneficial in high noise environments. This microphone has a large housing for users operating with gloves or in rugged environments.

- | | |
|------------|--|
| PMMN4050A* | IMPRES Remote Speaker Microphone with 3.5mm Audio Jack |
|------------|--|

PUBLIC SAFETY MICROPHONES

All PSMs include an emergency button and volume control. PSM Antenna sold separately. Part Numbers listed within the antenna section. PSMs are not compatible with the XPR 6380 and XPR 6580.

- | | |
|------------|---|
| PMMN4041A* | IMPRES Public Safety Microphone (30 inch cable) with 3.5mm Audio Jack |
| PMMN4042A* | IMPRES Public Safety Microphone (24 inch cable) with 3.5mm Audio Jack |
| PMMN4043A* | IMPRES Public Safety Microphone (18 inch cable) with 3.5mm Audio Jack |
| PMMN4047A* | IMPRES Public Safety Microphone (30 inch cable), submersible (IP57) |
| PMMN4048A* | IMPRES Public Safety Microphone (24 inch cable), submersible (IP57) |
| PMMN4049A* | IMPRES Public Safety Microphone (18 inch cable), submersible (IP57) |

RSM AND PSM ACCESSORIES

These accessories allow users to receive audio discreetly. Any of the above microphones that have a 3.5mm audio jack are compatible with the following earpieces:

- | | |
|-------------|---|
| AARLN4885B* | Receive-Only Covered Earbud with Coiled Cord |
| RLN4941A* | Receive-Only Earpiece with Translucent Tube and Rubber Eartip |
| WADN4190B* | Receive-Only Flexible Earpiece |
| PMLN4620A* | Receive-Only D-Shell Earpiece |



AARLN4885B



RLN4941A



WADN4190A

An earphone jack located on the microphone head allows the user to receive discreet audio when used with these earpieces.

SURVEILLANCE AUDIO

Surveillance accessories allow the radio user to privately receive messages with the earpiece.



RLN5880A



RLN5883A



Clear Comfortable Earpieces

SURVEILLANCE KITS

Surveillance accessories allow the radio user to privately receive messages with the earpiece. They are ideal when environments require discreet communication.

1-WIRE SURVEILLANCE KITS

- RLN5878A* Receive-Only Earpiece. Black
RLN5879A* Receive-Only Earpiece. Beige

2-WIRE SURVEILLANCE KITS

- RLN5880A* IMPRES Surveillance Kit. Black
RLN5881A* IMPRES Surveillance Kit. Beige
RLN5882A* IMPRES Surveillance Kit with Translucent Tube. Black
RLN5883A* IMPRES Surveillance Kit with Translucent Tube. Beige

3-WIRE SURVEILLANCE KITS

- PMLN5097A* IMPRES Surveillance Kit. Black
PMLN5106A* IMPRES Surveillance Kit. Beige
PMLN5111A* IMPRES Surveillance Kit with Translucent Tube. Black
PMLN5112A* IMPRES Surveillance Kit with Translucent Tube. Beige

CLEAR COMFORTABLE EARPieces

The Clear Comfortable Earpiece forms to the inside of the ear and is perfect for low noise environments. It's made of easy-to-clean, chemically-inert, hypo-allergenic material. Compatible with all Motorola Noise and Surveillance Kits.

- RLN4760A Small Custom Earpiece - Right Ear
RLN4761A Medium Custom Earpiece - Right Ear
RLN4762A Large Custom Earpiece - Right Ear
RLN4763A Small Custom Earpiece - Left Ear
RLN4764A Medium Custom Earpiece - Left Ear
RLN4765A Large Custom Earpiece - Left Ear

NOISE KITS

Extreme Noise Kits provide extra comfort and/or noise protection for users wearing surveillance accessories. Lightweight, translucent tube attaches to Motorola surveillance accessories to provide flexibility and comfort. Clothing clip prevents accessory from being pulled from the ear due to body movement or head rotation. For optimal performance, extra loud earphones are recommended for noise kits.

- RLN5887A Extreme Noise Kit. Includes 2 foam earplugs.
For high-noise environments. Noise reduction = 24dB.
Can be used with Clear Comfortable Earpieces.
RLN5886A Low Noise Kit - Clear Acoustic Tube Assembly.
Includes 1 clear rubber eartip. For low-noise environments, does not provide hearing protection. Black.

REPLACEMENT ACCESSORIES

- 5080384F72 Replacement Foam Plugs. For RLN5887A.
Noise reduction = 24dB. Pack of 50.
RLN6282A Replacement Standard Clear Rubber Eartips. Pack of 50.



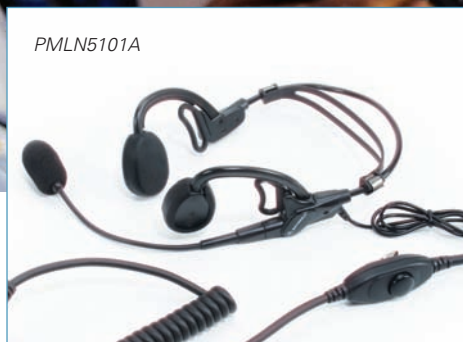
RLN5887A



RLN5886A



HEADSETS



Motorola headsets allow users to conveniently listen to radio conversations—hands-free. A variety of headsets are available to project a professional image or provide the hearing protection and rugged durability required in a noisy environment.

LIGHTWEIGHT HEADSETS

Lightweight headsets provide high-clarity, hands free, two-way communication, while maintaining the comfort necessary for extended-wear in moderate noise environments. All headsets are adjustable and include a boom microphone.

RMN5058A*	Lightweight Headset, Over-the-Head Single-Muff with In-Line Push-to-Talk
PMLN5102A*	Ultra-Lite Headset, Behind-the-Head Single-Muff, Adjustable with In-Line Push-to-Talk
PMLN5096A*	D-Style Earset with In-Line Push-to-Talk
PMLN5101A*	Temple Transducer with In-Line Push-to-Talk

HEAVY-DUTY HEADSET

Includes a noise-cancelling boom microphone and can be worn with or without a hard hat. The push-to-talk switch is located on the earcup.

PMLN5275A*	Heavy-Duty Headset. Noise Reduction = 24dB.
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PMLN5275A

*Intrinsically Safe.

CARRY ACCESSORIES

Carrying cases are available in sizes designed to fit your radio and battery and permit audio to be heard clearly.



You'd be surprised how much time can be saved when a radio is always in the same place—made easy by this versatile selection of Motorola Original carry accessories.

CARRY CASES

Carrying cases are available in sizes designed to fit your radio and battery and permit audio to be heard clearly. Belt loop and nylon cases feature “D” rings that allow the cases to be attached to a carrying strap. Swivel model cases secure to a belt loop and allow the case to swing freely from side to side. The swivel latch system also allows the radio and case to be removed from the belt loop by simply inverting the case and lifting it up and out of the belt loop.

PMLN5015B
PMLN5021B
PMLN5019B
PMLN5020B

MOTOTRBO WITH DISPLAY

Nylon Case with 3 Inch Fixed Belt Loop
Hard Leather Case with 3 Inch Fixed Belt Loop
Hard Leather Case with 2.5 Inch Swivel Belt Loop
Hard Leather Case with 3 Inch Swivel Belt Loop

PMLN5024A
PMLN5030A
PMLN5028A
PMLN5029A

MOTOTRBO WITHOUT DISPLAY

Nylon Case with 3 Inch Fixed Belt Loop
Hard Leather Case with 3 Inch Fixed Belt Loop
Hard Leather Case with 2.5 Inch Swivel Belt Loop
Hard Leather Case with 3 Inch Swivel Belt Loop

MISCELLANEOUS CARRY ACCESSORIES

BELT LOOPS & BELTS

2.5 Inch Leather Swivel Belt Loop
3 Inch Leather Swivel Belt Loop
1.75 Inch Wide Leather Belt.

BELT CLIPS

Spring Action 2.5 Inch Belt Clip
Spring Action 2 Inch Belt Clip

CARRYING STRAP

Adjustable, Black Nylon Carrying Strap. Attaches to D-ring on cases.

WATERPROOF BAG AND MORE

Waterproof Bag with Large Strap
Small Clip, Epaulet Strap

PMLN5022A
PMLN5023A
4200865599

PMLN4652A
PMLN4651A

NTN5243A

HLN9985B
RLN4295A



CARRY PACKS



HLN6602A



RLN4570A

UNIVERSAL CHEST PACK

Motorola Original Universal Chest Pack protects the radio and provides the freedom from holding it during standby communication mode. The Motorola Universal Chest Pack fits any radio.

HLN6602A Universal Chest Pack with Radio Holder,
Pen Holder and Velcro Secured Pouch
1505596Z02 Replacement Strap for HLN6602A

BREAK-A-WAY CHEST PACK

All the features of the original Universal Chest Pack (HLN6602A) plus break-a-way tabs that allow the entire pack to be pulled off with approximately 10 lbs. of pressure.

RLN4570A Break-a-Way Chest Pack with Radio
Holder, Pen Holder and Velcro Secured Pouch.
1505596Z02 Replacement Strap for RLN4570A

RADIOPAK™

The RadioPAK is lightweight and comfortable. Worn around the waist, it keeps radios and phones at hand. It features a separate 6 x 8 inch zippered pouch for other on-the-job necessities. Adjustable woven nylon belt fits both men and women.

RLN4815A RadioPAK Radio Utility Case
4280384F89 RadioPAK Extension Belt
For waists larger than 40 inches.



RLN4815A

Unlike rigid holders, the universal-fit RadioPAK is lightweight and comfortable. An ideal companion for MOTOTRBO two-way radios.

BATTERIES AND PORTABLE ANTENNAS

Batteries left in IMPRES chargers are kept fully charged so they are always ready when needed.



PMNN4066A

BATTERIES

IMPRES BATTERIES

IMPRES batteries, when used with an IMPRES charger, provide automatic, adaptive reconditioning, end-of-life display and other advanced features. Data is stored in the battery and communicated to the charger via a unique IMPRES communication protocol which is designed to maximize talk-time and optimize battery cycle life – all automatically. 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.

PMNN4066A	IMPRES Li-ion 1500 mAh, Submersible Battery - IP57 Rating
PMNN4069A*	IMPRES Li-ion 1400 mAh, Submersible Battery - IP57 Rating, Intrinsically Safe (FM)
PMNN4077B	IMPRES Li-ion 2150 mAh, Submersible Battery - IP57 Rating

MOTOROLA ORIGINAL BATTERY

This battery is ruggedly designed for lasting durability and is system tested with Motorola two-way radios to ensure optimum performance. NiMH chemistry offers an attractive combination of capacity, weight and cost.

PMNN4065A	NiMH 1300 mAh, Submersible Battery - IP57 Rating
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ANTENNAS

COMBINATION GPS/UHF ANTENNAS

Optimum length antenna designed for higher gain to maximize range. This rugged, capless design provides maximum flexibility and built in capability to operate at GPS frequencies.

PMAE4018A*	Combination GPS/UHF - 403-433 MHz, 14 cm Folded Monopole
PMAE4024A*	Combination GPS/UHF - 430-470 MHz, 14 cm Folded Monopole
PMAE4050A*	Combination GPS/UHF - 450-495 MHz, 14 cm Folded Monopole
PMAE4051A*	Combination GPS/UHF - 495-527 MHz, 14 cm Folded Monopole

COMBINATION GPS/VHF ANTENNAS

PMAD4067A*	Combination GPS/VHF - 136-147 MHz, 17 cm Helical
PMAD4068A*	Combination GPS/VHF - 147-160 MHz, 17 cm Helical
PMAD4069A*	Combination GPS/VHF - 160-174 MHz, 17 cm Helical

COMBINATION GPS 800/900 MHZ ANTENNA

PMAD4003A	Combination GPS 800/900 MHz - 806-941 MHz, 18 cm, Helical
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FLEXIBLE WHIP ANTENNAS

Flexible Whip Antennas have a one-piece finish, steel core, and spiral wound conductor for optimal radiation characteristics.

PMAE4022B*	UHF - 403-470 MHz, 16 cm Flexible Whip
PMAE4049A*	UHF - 450-527 MHz, 16 cm Flexible Whip
PMAD4088A	VHF - 136-174 MHz, 21 cm Wideband

STUBBY ANTENNAS

Stubby antennas are ideal when the radio is worn on the belt because they are short and non-obtrusive. These rugged, helical antennas feature a capless sheath that allows for maximum flexibility.

PMAE4021A*	Combination GPS/UHF - 403-433 MHz, 9 cm Stubby
PMAE4023A*	Combination GPS/UHF - 430-470 MHz, 9 cm Stubby
PMAE4048A*	Combination GPS/UHF - 450-527 MHz, 9 cm Stubby**
PMAD4093A	VHF - 136-147 MHz, 11 cm Stubby
PMAD4094A	VHF - 147-160 MHz, 11 cm Stubby
PMAD4095A	VHF - 160-174 MHz, 11 cm Stubby

PUBLIC SAFETY MICROPHONE ANTENNAS

One of the following antennas must be purchased with Public Safety Microphones.

PMAE4046A*	UHF - 403-433 MHz, 9 cm PSM Stubby
PMAE4047A*	UHF - 430-470 MHz, 9 cm PSM Stubby
PMAD4086A*	VHF - 150-174 MHz, 16 cm PSM
PMAD4087A*	VHF - 136-153 MHz, 16 cm PSM

*Intrinsically Safe.

**Also a Public Safety Microphone antenna.



IMPRES CHARGERS

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.



WPLN4232 and WPLN4212

IMPRES CHARGERS

This smart energy system automatically reconditions IMPRES batteries based on actual usage, keeping them in peak condition. Talk-time and cycle life are optimized and the need for manual maintenance programs is eliminated. Its advanced conditioning features allow batteries to be safely left on the charger for extended periods of time without incurring damaging heat build-up which can decrease battery cycle life. In addition, batteries left in the charger are kept fully charged so they are always ready when needed. This rapid-rate, tri-chemistry charging system will also charge compatible non-IMPRES batteries.

WPLN4232A	IMPRES Single-Unit Charger, 120 Volt
WPLN4212A	IMPRES Multi-Unit Charger, 120 Volt
NLN7967A	Wall Mount for Multi-Unit Chargers

IMPRES MULTI-UNIT CHARGER WITH DISPLAY MODULES

Charger Display Modules provide powerful, "real time" information for IMPRES batteries, including current charge status, battery mAh, and voltage. Readout displays battery kit number, serial number and chemistry. 120 Volt.

WPLN4219A	IMPRES Multi-Unit Charger with Display Modules
NLN7967A	Wall Mount for Multi-Unit Chargers

IMPRES INDIVIDUAL CHARGER DISPLAY MODULE

This module is compatible with the standard IMPRES Multi-Unit Chargers. Up to 6 modules can be used per charger, one for each charging pocket. Includes detailed installation instructions.

RLN5382A	Display Module for IMPRES Multi-Unit Charger (WPLN4212)
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IMPRES BATTERY READER

The industry exclusive IMPRES Battery Reader provides IMPRES battery users the ability to access charging, reconditioning and key usage data that can affect overall battery performance. By keeping batteries in peak condition, talk time and cycle life are optimized, reducing battery replacement. Package includes IMPRES Battery Reader (fits XTS batteries), System Software, USB Cord, Adapter inserts for APX, MOTOTRBO and Professional Series radios.

NNTN7392A	IMPRES Battery Reader
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IMPRES COMPATIBLE VEHICULAR CHARGER

This charger has a full IMPRES charger to battery communication capability. This ensures continuity of IMPRES battery charge data logging in a vehicular environment, so the IMPRES battery will receive adaptive automatic reconditioning and will qualify for the 6-month capacity warranty extension.

NNTN7616A	IMPRES Compatible Vehicular Charger
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NNTN7616A

Add even more convenience and safety with mobile audio accessories.

MICROPHONES AND HANDSETS

STANDARD COMPACT MICROPHONE

Standard Compact Microphone provides basic push-to-talk functionality and ships with all MOTOTRBO mobile radios.

RMN5052A Standard Compact Microphone



RMN5052A

IMPRES KEYPAD MICROPHONE

IMPRES Keypad Microphone includes a full keypad that enables you to dial phone numbers from the microphone, also has three customizable buttons that can be programmed with any of the control head features, allowing the user to navigate radio menus from the microphone.

RMN5065A IMPRES Keypad Microphone



RMN5065A

IMPRES HEAVY-DUTY MICROPHONE

Heavy-Duty Microphone for users who want more durability, also ideal for those who need a larger microphone that is easier to handle when wearing gloves.

RMN5053A IMPRES Heavy-Duty Microphone



RMN5053A

IMPRES TELEPHONE STYLE HANDSET

This Telephone Style handset provides a flexible, discreet option when using the mobile for private conversations in a vehicular environment. Includes a full keypad that enables you to dial phone numbers or send text messages.

HMN4098A IMPRES Telephone Style Handset

MOBILE MICROPHONE ACCESSORIES

MICROPHONE EXTENSION CABLES

PMKN4033A 10-foot Mobile Microphone Extension Cable

PMKN4034A 20-foot Mobile Microphone Extension Cable

MICROPHONE HANG-UP CLIPS

HLN9073B Microphone Hang-Up Clip

HLN9414A Universal Microphone Hang-Up Clip

HANDS-FREE ACCESSORIES

IMPRES VISOR MICROPHONE

Add even more convenience and safety with the IMPRES Visor Microphone and its compatible hands-free transmission options. Small microphone mounts to vehicle's visor for convenient hands-free radio operation. Use with choice of external push-to-talk switch.

RMN5054A IMPRES Visor Microphone



RMN5054A

EXTERNAL PTT ACCESSORIES

RLN5926A Pushbutton with Push-to-Talk. Can be held in the hand, or mounted to the vehicle with touch fasteners.

RLN5929A Emergency Footswitch



CONTROL STATION AND MOUNTING

Turn a MOTOTRBO mobile into a desktop base station.

Control Station accessories make an ideal communication solution for transportation, manufacturing, and construction users.



From left to right:
RSN4002A, RMN5050A,
MOTOTRBO mobile sold separately.

CONTROL STATION

These control station accessories allow you to convert MOTOTRBO mobile two-way radios into convenient base stations.

CONTROL STATION ACCESSORIES	
RMN5050A	Desktop Microphone. Black. Makes transmission easier for base station users, as the mobile microphone does not always have to be picked up. Large push-to-talk button.
GLN7318A	Desktop Tray Without Speaker Ideal for securing mobile in place in a desktop environment.
RSN4005_A	Desktop Tray with Speaker Ideal for securing mobile in place in a desktop environment. Includes speaker for increased volume when receiving calls in high-noise areas.
HKN9088B	Adapter Cable for Control Station
POWER ACCESSORIES	
HPN4008B	Power Supply, 1-25W, for low power radios. Power cord included.
HPN4007C	Power Supply, 25-60W, for low power radios. Power cord included.
GPN6145A	Switchmode Power Supply, 1-25W Has provision for back-up battery hook-up.
GKN6266A	Power Supply Cable Power Cable for Switchmode Power Supply GPN6145
EXTERNAL LOUDSPEAKERS	
RSN4002A	13W External Speaker
RSN4003A	7.5W External Speaker
RSN4004A	5W External Speaker

MOUNTING BRACKETS

Mobile radios are most often installed on the dash of a vehicle, and can run off its power source.

RLN6077A	Low Profile Trunnion Kit. Keeps radio tucked up under dash, can also be positioned for floor mount.
RLN6078A	High Profile Trunnion Kit. Under dash mount, with extra clearance so radio can be tilted for a better view. Can also be used for floor mounting.
RLN6079A	Key Lock Trunnion Kit. Key lock helps provide extra protection from theft. Lock/unlock radio from position in the mounting bracket.

DIRECT IN DASHBOARD MOUNTING KIT

Ideal if you prefer to mount the radio directly into the dash-board for a better appearance, or to keep it from being an obstruction in the vehicle.

RLN5933A	In Dash Mounting Kit - DIN
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REMOTE MOUNTING ACCESSORIES

Remote mounting capabilities allow you to save cabin space or hide the mobile power supply in the trunk.

PMLN5404A	MOTOTRBO Mobile Remote Mount Adaptor Kit. For in-trunk installation, may also require HKN4192. 20 Inch radio power cable. Remote Mount cable also required (PMKN4074 or PMKN4073).
PMKN4074A	MOTOTRBO Mobile Remote Mount 3 Meter Cable Kit
PMKN4073A	MOTOTRBO Mobile Remote Mount 5 Meter Cable Kit
PMKN4018A	Mobile Rear Accessory Connector Universal Cable

CABLES TO BATTERY

Cables used to connect the battery to the radio chassis.

HKN4137A	Power Cable to Battery 10 Foot, 15 amp
HKN4192B	Power Cable to Battery 20 Foot, 20 amp
RKN4136A	Ignition Sense Cable

MOBILE ANTENNAS

Through-hole mount antennas are intended for users not using the GPS capability of the radio.



WIDE AREA THROUGH-HOLE MOUNT ANTENNAS

These through-hole mount antennas are designed to direct the signal more towards the horizon, making them ideal for applications in more geographically flat regions where signal coverage is sparse and must cover a larger area.

	UHF
HAE4010A	406-420 MHz, 3.5dB Gain
HAE4011A	450-470 MHz, 3.5dB Gain
HAE4012A	470-494 MHz, 3.5dB Gain
RAE4004_RB	445-470 MHz, 5dB Gain
HAE4013A	494-512 MHz, 3.5dB Gain

	VHF
HAD4014A	146-172 MHz, 3dB Gain

	800/900 MHz
HAF4026A	806-941 MHz, 3dB Gain
HAF4013A	806-941 MHz, Stubby
HAF4027A	806-941 MHz, 5dB Gain

URBAN AREA THROUGH-HOLE MOUNT ANTENNAS

The signals for these through-hole mount antennas radiate vertically, making them ideal for urban environments where buildings can obstruct the signal.

	UHF
HAE4002A	403-430 MHz, 1/4 Wave
HAE4003A	450-470 MHz, 1/4 Wave
HAE4004A	470-527 MHz, 1/4 Wave

	VHF
HAD4006A	136-144 MHz, 1/4 Wave
HAD4007A	146-150.8 MHz, 1/4 Wave
HAD4008A	150.8-162 MHz, 1/4 Wave
HAD4009A	162-174 MHz, 1/4 Wave

	800/900 MHz
HAF4025A	806-941 MHz, 1/4 Wave

GPS ACTIVE ANTENNAS

The following antennas are intended for users who have existing mobile antennas and need to add GPS capability.

PMAN4000A	Fixed Mount GPS Active Antenna Discreet stand-alone GPS antenna has a semi-permanent mount easily assembled with minimal tools to vehicle roof or trunk.
PMAN4001A	Glass Mount GPS Active Antenna
PMAN4002A	Magnetic Mount GPS Active Antenna Discreet stand-alone GPS antenna can be mounted either magnetically, via screw or tape to vehicle roof or trunk.

COMBINATION GPS ANTENNAS

The following through-hole mount antennas combine UHF or VHF and GPS capability. This combination antenna design with Mini U connector provides GPS tracking coverage and voice/data wireless capabilities for fleet monitoring or tracking applications.

	COMBINATION GPS/UHF
PMAE4030A	GPS/UHF - 403-430 MHz, 1/4 Wave
PMAE4032A	GPS/UHF - 406-420 MHz, 3.5dB Gain
PMAE4031A	GPS/UHF - 450-470 MHz, 1/4 Wave
PMAE4033A*	GPS/UHF - 450-470 MHz, 3.5dB Gain
PMAE4034A	GPS/UHF - 450-470 MHz, 5dB Gain
HAE6019A	GPS/UHF - 403-527 MHz, 2dB Gain
HAE6020A	GPS/UHF - 470-527 MHz, 1/4 Wave
HAE6024A	GPS/UHF - 470-494 MHz, 3.5dB Gain
HAE6026A	GPS/UHF - 494-512 MHz, 3.5dB Gain

	COMBINATION GPS/VHF
RAD4214A	GPS/VHF - 136-144 MHz, 1/4 Wave
RAD4215A	GPS/VHF - 146-150.8 MHz, 1/4 Wave
RAD4216A	GPS/VHF - 150.8-162 MHz, 1/4 Wave
RAD4217A	GPS/VHF - 162-174 MHz, 1/4 Wave
RAD4218A	GPS/VHF - 146-172 MHz, 3dB Gain

	COMBINATION GPS/800/900 MHz
HAF4029A	GPS/800/900 MHz - 806-941 MHz, 1/4 Wave
HAF4030A	GPS/800/900 MHz - 806-941 MHz, 3dB Gain
HAF4032A	GPS/800/900 MHz - 806-941 MHz, Stubby
HAF4033A	GPS/800/900 MHz - 806-941 MHz, 5dB Gain

*Antenna not ideal for roof-mounted use.



REPEATER ACCESSORIES

Repeaters increase the range and capabilities of mobile radios, and can be converted into base stations allowing desktop operators to communicate with radios in the field.

REPEATER ACCESSORIES

DUPLEXERS

HFD8188A	VHF - Untuned Duplexer, 144-155 MHz
HFD8189A	VHF - Untuned Duplexer, 155-162 MHz
HFD8190A	VHF - Untuned Duplexer, 162-174 MHz
HFD8465A	VHF - Tuned Duplexer, 150-160 MHz
HFE8400A	UHF - Untuned Duplexer, 406-450 MHz
RFE4000A	UHF - Untuned Duplexer, 450-470 MHz
TDE7780A	UHF - Tuned Duplexer, 450-470 MHz
HFE8401A	UHF - Untuned Duplexer 470-490 MHz
HFE8454A	UHF - Untuned Duplexer 490-512 MHz
TDF6980A	800 MHz - Untuned Duplexer 851-869 MHz

DUPLEXER ACCESSORIES

0112004B04	N Type Male to N Type Male Duplexer Cable - 24 Inch
0112004U04	N Type Male to BNC Male Duplexer Cable - 24 Inch
PMLE4548	Rack-Mount Duplexer/Filter Enclosure Kit

ANTENNAS

RDE4556A	UHF - 3.8dB Gain Antenna
RDD4527A	VHF - 136-144 MHz 1/4 Wave Antenna
RDE4555A	UHF - 3.8dB Gain Antenna, 470-488 MHz
RDE4554A	UHF - 3.8dB Gain Antenna, 488-512 MHz

MOUNTING

PMLE4476A	Wall Mount Kit for XPR 8300
PMLN5072A	Hardware Kit for Rear Accessory Connector
HKN9088B	Mobile Mini U Antenna Adapter with 8 Foot Cable

PRESELECTOR

HFE8459A	UHF Preselector, 440-474 MHz
HFD8461A	VHF Preselector, 144-160 MHz
HFD8462A	VHF Preselector, 160-174 MHz

LIGHTENING PROTECTION ACCESSORIES

RRX4025A	Lightening Arrestor
RRX4032A	Tower Mounting Hardware
RRX4038A	Surge Suppressor

MISCELLANEOUS

RKN4152A	Battery Back-up Cable
3087791G01	120V AC Line Cord

100 WATT POWER AMPLIFIERS

RDD5565	136-144 MHz, 20-50W Input, 100W Output
RDD5563	144-152 MHz, 20-50W Input, 100W Output
RDD5548	152-162 MHz, 20-50W Input, 100W Output
RDD5564	162-174 MHz, 20-50W Input, 100W Output
RDE6067	406-426 MHz, 20-50W Input, 100W Output
RDE6068	426-450 MHz, 20-50W Input, 100W Output
RDE6069	450-470 MHz, 20-50W Input, 100W Output
RDE6106	470-490 MHz, 20-50W Input, 100W Output
RDE6105	490-512 MHz, 20-50W Input, 100W Output
R1685	RM50M Astron Power Supply

UNTUNED DUPLEXERS

For use with 100 Watt power amplifiers.

0185417U01	VHF Duplexer, 132-146 MHz (5 MHz separation RX or TX) - 110W
0185417U02	VHF Duplexer, 144-160 MHz (5 MHz separation RX or TX) - 110W
0185417U03	VHF Duplexer, 158-174 MHz (5 MHz separation RX or TX) - 110W
0185417U04	UHF Duplexer, 403-440 MHz (5 MHz separation RX or TX) - 110W
0185417U05	UHF Duplexer, 435-470 MHz (5 MHz separation RX or TX) - 110W
0185417U06	UHF Duplexer, 470-490 MHz (5 MHz separation RX or TX) - 110W
0185417U07	UHF Duplexer, 490-512 MHz (5 MHz separation RX or TX) - 110W



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