ACCESSORIES AND BATTERIES

MOTOTRBO™
Professional Digital Two-Way Radio System

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

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.

We're pleased to bring you this collection of proven Motorola Original® accessories for your important business communication needs. You'll find remote speaker microphones for more convenient control. 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.

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.

MOTOTRBO PROFESSIONAL DIGITAL TWO-WAY RADIOS

MOTOTRBO systems combine the best in two-way radio with digital technology to deliver improved capacity, higher productivity, lower costs, faster response times and improved reliability. That means more capabilities — and more value to you.

TDMA digital technology provides twice the calling capacity, and half the repeater costs. Integrated voice and data supports text messaging, GPS location services and more. And digital voice processing plus enhanced call signaling assures faster and more reliable calls. Dual analog and digital mode repeater, mobile and portable units, data applications, accessories and services 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™ 6500/6550 Display Portable Radios
XPR™ 6300/6350 Non-Display Portable Radios

MOTOTRBO™ MOBILES
XPR™ 4500/4550 Display Mobile Radios
XPR™ 4300/4350 Numeric Display Mobile Radios

MOTOTRBO™ REPEATER
XPR™ 8300 Repeater

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MOTOTRBO™

audio

Audio Accessory Connector enables Enhanced Performance and Capabilities

Motorola digital technology enables breakthrough radio performance and features. And our audio connector means MOTOTRBO accessories can offer users enhanced performance and capabilities, both in analog and digital modes - 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 audio performance and increased customization assuring the highest quality communication.

  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 accessories.

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

  Enhanced Audio Gain Capability: IMPRES audio accessories have significantly advanced 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 the condition and will automatically increase the gain such that the person on the receiving end hears a clear transmission.

Submersibility

- The connector design meets IP57 submersibility requirements. This allows for use with accessories, such as the submersible remote speaker microphone, which provide reliable communications even in wet conditions.

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.

Future Applications

- The portable connector design also incorporates built-in USB capability to allow for the use of USB-capable accessories. Future accessory development will be based upon this connector interface, so users will be able to take advantage of future releases of audio accessories.

Audio Accessory Connector with advanced interface lets the radio and accessory communicate to help optimize speaker and microphone performance.

Remote Speaker and Public Safety Microphones:
These microphones boast a revolutionary windporting feature that helps lessen background noise coming from high winds and other severe weather conditions.

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.

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

*Intrinsically Safe.

PMMN4025A
IMPRES
Remote
Speaker
Microphone

PMMN4046A
IMPRES Remote
Speaker Microphone

AARLN4885B
Receive-Only Covered Earbud

RLN4941A
Receive-Only Earpiece

WADN4190A
Receive-Only
Flexible Earpiece

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

PMMN4043A
IMPRES Public Safety Microphone

MOTOTRBO™

surveillance and audio

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.

RLN5880A
IMPRES Surveillance Kit

RLN5883A
IMPRES Surveillance Kit with Translucent Tube

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
Extreme Noise Kit

RLN5886A
Low Noise Kit

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

From left to right, top to bottom:

RLN4765A
RLN4762A
RLN4764A
RLN4761A
RLN4763A
RLN4760A

*Intrinsically Safe.

Lightweight Headsets:
These audio accessories are designed for front line personnel and coordinators where projecting a professional image is as important as reliable, seamless communication.

PMLN5096A
D-Style Earset

PMLN5101A
Temple Transducer

Lightweight Headsets

Lightweight headsets provide high-clarity, hands free, discreet 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 PTT
PMLN5102A* Ultra-Lite Headset, Behind-the-Head
     Single-Muff, Adjustable with In-Line PTT
PMLN5096A* D-Style Earset with In-Line PTT
PMLN5101A* Temple Transducer with In-Line PTT

RMN5058A
Lightweight Headset

Heavy-Duty Headset

Includes a Noise-Cancelling Boom Microphone and can be worn with or without a hardhat. The Push-to-Talk switch is located on the earcup.

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

PMLN5275A
Heavy-Duty Headset

*Intrinsically Safe.

MOTOTRBO™

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.

MOTOTRBO WITH DISPLAY

PMLN5015A	Nylon Case with 3 Inch Fixed Belt Loop
PMLN5021A	Hard Leather Case with 3 Inch Fixed Belt Loop
PMLN5019A	Hard Leather Case with 2.5 Inch Swivel Belt Loop
PMLN5020A	Hard Leather Case with 3 Inch Swivel Belt Loop

MOTOTRBO WITHOUT DISPLAY

PMLN5024A	Nylon Case with 3 Inch Fixed Belt Loop
PMLN5030A	Hard Leather Case with 3 Inch Fixed Belt Loop
PMLN5028A	Hard Leather Case with 2.5 Inch Swivel Belt Loop
PMLN5029A	Hard Leather Case with 3 Inch Swivel Belt Loop

Motorola Original® cases makes sure the audio of your MOTOTRBO™ radio comes through loud and clear.

From left to right: PMLN5015A, PMLN5030A, PMLN5024A, and PMLN5029A.

Miscellaneous Carry Accessories

BELT LOOPS & BELTS

PMLN5022A	2.5 Inch Leather Swivel Belt Loop
PMLN5023A	3 Inch Leather Swivel Belt Loop
4200865599	1.75 Inch Wide Leather Belt.

BELT CLIPS

PMLN4652A	Spring Action 2.5 Inch Belt Clip
PMLN4651A	Spring Action 2 Inch Belt Clip

CARRYING STRAP

NTN5243A	Adjustable, Black Nylon Carrying Strap Attaches to D-ring on cases.

WATERPROOF BAG AND MORE

HLN9985B	Waterproof Bag with Large Strap
RLN4295A	Small Clip, Epaulet Strap

Carry Accessories:

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.

HLN6602A
Universal Chest Pack

RLN4815A
RadioPAk

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.

Unlike rigid holders, the universal-fit RadioPAk is lightweight and comfortable. An ideal companion for two-way radios, as well as iDEN® portables and cellular phones.

MOTOTRBO™

IMPRES batteries and portable antennas

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, 7.2V
                   Submersible Battery - IP57 Rating.
PMNN4069A*   IMPRES Li-ion 1400 mAh, 7.2V
                   Submersible Battery - IP57 Rating.
                   Intrinsically Safe (FM).
PMNN4077A   IMPRES Li-ion 2200 mAh, 7.2V,
                   Submersible Battery - IP57 Rating.

Motorola Original® Battery

This Motorola Original® 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, 7.2V
                   Submersible Battery - IP57 Rating.

Antennas

Combination GPS / UHF Antennas

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

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

Combination GPS / VHF Antennas

PMAD4067A*   Combination GPS / VHF 136-147 MHz
                   Helical Antenna
PMAD4068A*   Combination GPS / VHF 147-160 MHz
                   Helical Antenna
PMAD4069A*   Combination GPS / VHF 160-174 MHz
                   Helical Antenna

Public Safety Microphone Antennas

PMAE4046A*   UHF 403-433 MHz PSM Stubby Antenna.
PMAE4047A*   UHF 430-470 MHz PSM Stubby Antenna.
PMAD4086A*   VHF 150-174 MHz PSM Antenna.
PMAD4087A*   VHF 136-153 MHz PSM Antenna.

Intrinsically Safe.

Maintain the longevity of your charge with IMPRES batteries.

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

Flexible Whip Antennas

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

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

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. Built in GPS capability.

PMAE4021A*   Combination GPS / UHF
                   403-433 MHz Stubby Antenna
PMAE4023A*   Combination GPS / UHF
                   430-470 MHz Stubby Antenna

IMPRES Smart Energy System:
The IMPRES Smart Energy System automatically reconditions IMPRES batteries based on actual usage – keeping them in peak condition.

IMPRES Smart Energy System

IMPRES Chargers

Through the use of advanced charging algorithms and automatic reconditioning features, the IMPRES Smart Energy System ensures maximum talk-time and optimized battery cycle life. 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

*WPLN4232A
IMPRES
Single-Unit Charger,
radio sold separately.*

IMPRES Multi-Unit Charger with Display Modules

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

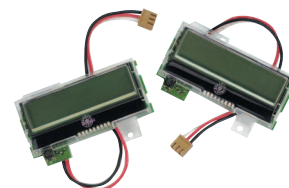|	
WPLN4219A	IMPRES Multi-Unit Charger with Display Modules
NLN7967A	Wall Mount for Multi-Unit Chargers

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	Charger Display Module for IMPRES Multi-Unit Charger

*RLN5382A
Charger Display Modules for
IMPRES
Multi-Unit Charger*

MOTOTRBO™

mobile audio

RMN5052A
Standard Compact
Microphone

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

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 Keypad
Microphone

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
HLN9073B   Microphone Hang-Up Clip
HLN9414A   Universal Microphone Hang-Up Clip

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

RMN5053A
IMPRES
Heavy-Duty
Microphone

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

                  E X T E R N A L   P T T   A C C E S S O R I E S
RLN5926A   Pushbutton with Push-to-Talk
                  Can be held in the hand, or mounted to
                  the vehicle with touch fasteners.
RLN5929A   Foot Switch with Push-to-Talk
                  Mounts to floor of vehicle

RMN5054A
IMPRES Visor Micro-
phone

MOTOTRBO™ Control Station:
Turn a MOTOTRBO mobile into a desktop base station. Perfect for fleet operators in transportation, construction and public safety.

MOTOTRBO Control Station

These control station accessories allow you to convert XPR™ 4500, XPR™ 4550, XPR™ 4300, and XPR™ 4350 mobile two-way radios into convenient base stations. This makes an ideal communication solution for transportation, manufacturing, construction and public safety users.

CONTROL STATION ACCESSORIES

RMN5050A	Desktop Microphone. Black. Makes transmission easier for base station users, because 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

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

MOTOTRBO™

antennas

UHF and VHF Through-Hole Mount Antennas

The following wide and urban area through-hole mount antennas are intended for customers who do not plan to use the GPS capability of the radio.

Wide Area 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

Urban Area 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

*PMAE4031A
GPS/UHF - 1/4 Wave
Roof Mount*

*PMAN4000A
Fixed Mount GPS
Active Antenna*

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

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.

Repeater Accessories:

A repeater increases the range and capabilities of your mobile radio. They can also be converted into a Base Station allowing a desktop operator to communicate with other radios in the field.

Mounting Accessories

Mounting Brackets

Mobile radios are most often installed on the dash of a vehicle, and can run off its power source. Here are some of the accessories available for vehicular mobile radio mounting.

RLN6077A	Low Profile Trunnion Kit. Keeps radio tucked up under dash, can also be positioned for floor mount.
RLN6078A	High Profile Trunnion Kit. Keeps radio tucked up under dash, with extra clearance so radio can be tilted for a better view. Can also be positioned 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

This kit is 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

Remote Mounting Cables

These cables are used to connect the radio chassis to the control head.

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

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

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
HFE8460A	UHF Preselector, 474-512 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

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