



# ***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  
IMPRES™  
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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\* XPR 6350 and XPR 4350 for future release.



# MOTOTRBO™

## audio

### *New Audio Accessory Connector enables Enhanced Performance and Capabilities*

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

#### **IMPRES Smart Audio System**

- Motorola's state-of-the-art IMPRES technology allows communication between the radio and the audio accessory. The result is optimal 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.

#### **Submersibility**

- The new 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.

#### **Future Applications**

- The new portable connector design incorporates the antenna signal within the audio connector, which will allow for easy use of accessories that require an antenna signal, such as public safety speaker microphones. And the built in USB capability will allow the use of USB-capable accessories. The new audio accessory interface is the Motorola standard audio accessory interface for mid to high-tier two-way radios. Future accessory development will be based upon this new connector interface, so users will be able to take advantage of future releases of audio accessories.



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

# 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.

## 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.

Coiled cord with new audio accessory connector allows talking and listening without removal from belt or case. Includes Push-to-Talk switch, swivel clip and quick disconnect latch.

PMMN4024A	Remote Speaker Microphone with 3.5mm Audio Jack
PMMN4025A	IMPRES™ Remote Speaker Microphone with 3.5mm Audio Jack
PMMN4040A	Remote Speaker Microphone Submersible.

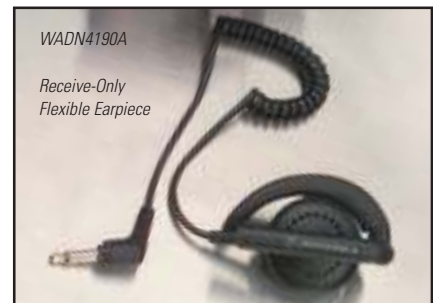
## RSM and PSM Accessories

An earphone jack located on the microphone head allows the user to receive audio when used with the following earpieces. Compatible with PMMN4024A, PMMN4025A, PMN4041A, PMN4042A, and PMN4043A. Features 3.5mm earjack. For UHF band only.

AARLN4885B*	Receive-Only Covered Earbud with Coiled Cord
RLN4941A*	Receive-Only Earpiece with Translucent Tube and Rubber Eartip
WADN4190B*	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.



\*Intrinsically Safe.



# 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.

RLN5880A  
IMPRES Surveillance Kit



### Quick Disconnect 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, which now includes a new quick disconnect adapter. The Quick Disconnect Adapter allows users, especially those in multiple shift operations, to easily remove or alternate acoustic tubes. 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.

- 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.

RLN5887A  
Extreme Noise Kit



#### REPLACEMENT ACCESSORIES

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

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.

†Extra loud earphone (exceeds OSHA limits).

## ***The IMPRES™ Lightweight Headset:***

*This audio accessory is designed for front line personnel and coordinators where projecting a professional image is as important as reliable, seamless communication.*



### **IMPRES™ Lightweight Headset**

Lightweight headsets provide high-clarity, hands free, discreet two-way communication, while maintaining the comfort necessary for extended-wear in moderate noise environments.

RMN5058A\*

IMPRES™ Lightweight Headset  
Single-Muff, Adjustable, with Boom Microphone,  
In-Line PTT Switch

RMN5058A  
IMPRES™  
Lightweight Headset





# 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.

- |           |  |
|-----------|--|
|           | <b>MOTOTRBO WITH DISPLAY</b>                     |
| 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   |

- |           |  |
|-----------|--|
|           | <b>MOTOTRBO WITHOUT DISPLAY</b>                  |
| 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   |



### Miscellaneous Carry Accessories

- |            |  |
|------------|--|
|            | <b>BELT LOOPS &amp; BELTS</b>  |
| PMLN5022A  | 2.5 Inch Leather Swivel Belt Loop                                      |
| PMLN5023A  | 3 Inch Leather Swivel Belt Loop  |
| 4200865599 | 1.75 Inch Wide Leather Belt.   |
|            | <b>BELT CLIPS</b>  |
| PMLN4652A  | Spring Action 2.5 Inch Belt Clip                                       |
| PMLN4651A  | Spring Action 2 Inch Belt Clip   |
|            | <b>CARRYING STRAP</b>  |
| NTN5243A   | Adjustable, Black Nylon Carrying Strap<br>Attaches to D-ring on cases. |
|            | <b>WATERPROOF BAG</b>  |
| HLN9985B   | Waterproof Bag with Large Strap  |



*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.*



## 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



### 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

RadioPAK



*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).

### Motorola Original® Battery

This Motorola Original® Battery is ruggedly designed for lasting durability and are 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 build 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

### 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

### Flexible Whip Antennas

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

- PMAE4022A UHF, Flexible Whip, 403-470 MHz

*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.*

# IMPRES™ Smart Energy System:

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



## 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

## 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

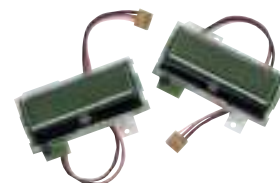
This module is compatible with the standard IMPRES™ Multi-Unit Chargers. Up to 6 modules can be used per charger, one for each charging pocket. Includes detailed installation instructions.

RLN5382A	Charger Display Module for IMPRES™ Multi-Unit Charger Version 1.3 or Later.
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Note: Display Modules compatible with Multi-Unit Charger version 1.2 or earlier require a software flash update. Version number is located on label on the bottom of the IMPRES™ Multi-Unit charger. If no version is shown, it is earlier than version 1.2. Version 1.2 will appear as V1.20, 1.3 will appear as V1.30, etc.



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



RLN5382A  
Charger Display  
Modules for  
IMPRES™  
Multi-Unit Charger



# MOTOTRBO™

## mobile audio

### 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

#### 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

### 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

#### EXTERNAL PTT ACCESSORIES

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

RMN5052A  
Standard Compact  
Microphone



RMN5065A  
IMPRES Keypad  
Microphone



RMN5053A  
IMPRES  
Heavy-Duty  
Microphone



RMN5054A  
IMPRES Visor  
Microphone



# 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.
- RSN4005A 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.
- HPN4007A 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
- RLN6257A 6W Public Address Speaker with Cable. (Weather Resistant)



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



# MOTOTRBO™

## mobile mounting and antennas

### 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 mounting your mobile radio into your vehicle.

RLN6077A	Low Profile Trunnion Kit Keeps radio tucked up under the dash, can also be positioned for floor mount.
RLN6078A	High Profile Trunnion Kit Keeps radio tucked up under the 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 dashboard for 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 Cables

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

PMKN4018A	Mobile Rear Accessory Connector Universal Cable
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### 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

### Combination GPS/UHF Antennas

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

PMAE4030A	GPS/UHF - 1/4 Wave Roof Mount 403-430 MHz
PMAE4032A	GPS/UHF - 3.5dB Gain Roof Mount 406-420 MHz
PMAE4031A	GPS/UHF - 1/4 Wave Roof Mount 450-470 MHz
PMAE4033A	GPS/UHF - 3.5dB Gain Roof Mount 450-470 MHz
PMAE4034A	GPS/UHF - 5dB Gain Roof Mount 450-470 MHz

### 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.
PMAN4002A	Magnetic Mount GPS Active Antenna Discreet stand-alone GPS antenna can be mounted either magnetically, via screw or via tape on the roof or trunk of a vehicle.

### UHF Antennas

The following antennas are intended for customers who do not plan to use the GPS capability of the radio. The signals for these antennas are radiated vertically, making them ideal for urban environments where buildings might obstruct the signal.

HAE4002A	UHF - 1/4 Wave Roof Mount 403-430 MHz
HAE4003A	UHF - 1/4 Wave Roof Mount 450-470 MHz

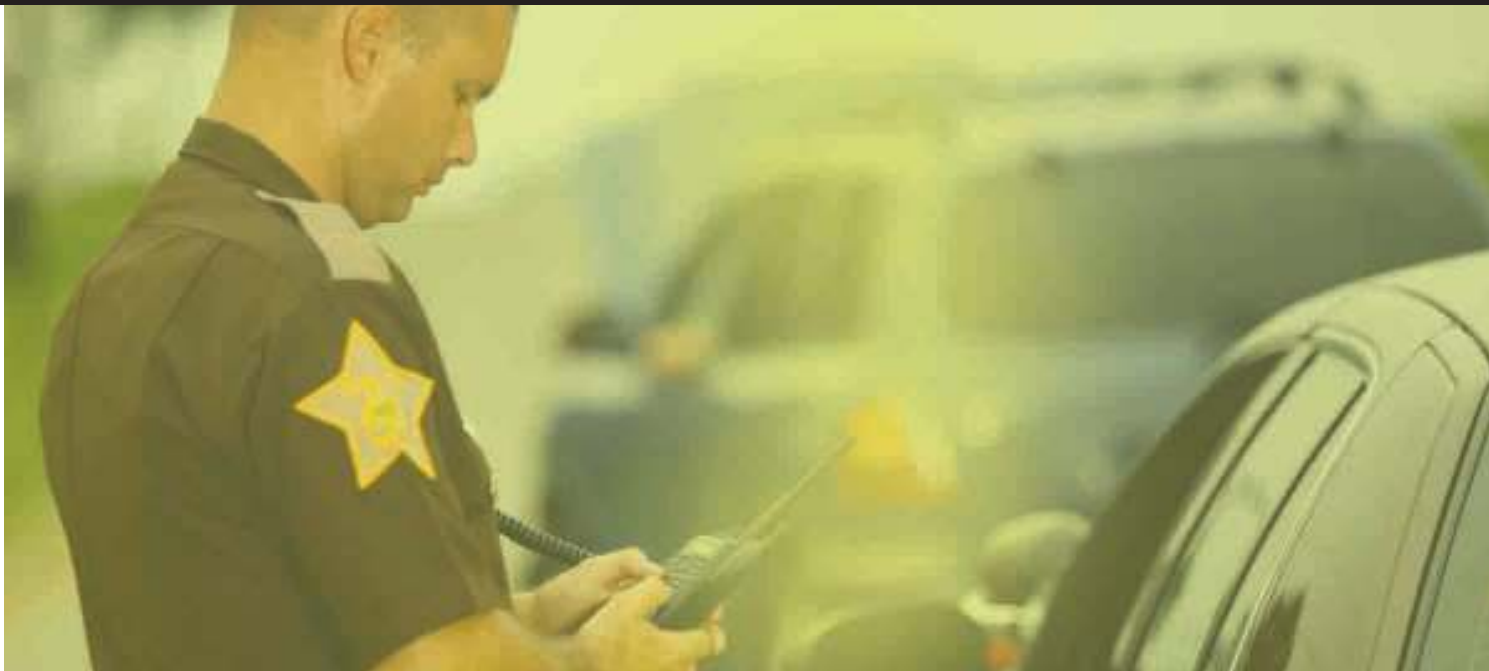
### UHF Roof Mount Gain Antennas

These 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.

HAE4010A	UHF - 3.5dB Gain Roof Mount 406-420 MHz
HAE4011A	UHF - 3.5dB Gain Roof Mount 450-470 MHz
RAE4004ARB	UHF - 5dB Gain Roof Mount 450-470 MHz

## Combination GPS/UHF Antennas:

This combination antenna design provides GPS tracking coverage and voice/data wireless coverage capabilities for fleet monitoring or fleet tracking applications.



PMAE4031A  
GPS/UHF - 1/4 Wave  
Roof Mount

PMAN4000A  
Fixed Mount GPS  
Active Antenna

## repeater accessories

### Duplexers

HFE8400A UHF - Untuned Duplexer, 406-450 MHz  
RFE4000A UHF - Untuned Duplexer, 450-470 MHz

### Antenna

RDE4556A UHF - 3.8dB Gain Antenna

### 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, 440-474MHz

### Lightening Protection Accessories

RRX4032A Tower Mounting Hardware  
RRX4038A Surge Suppressor