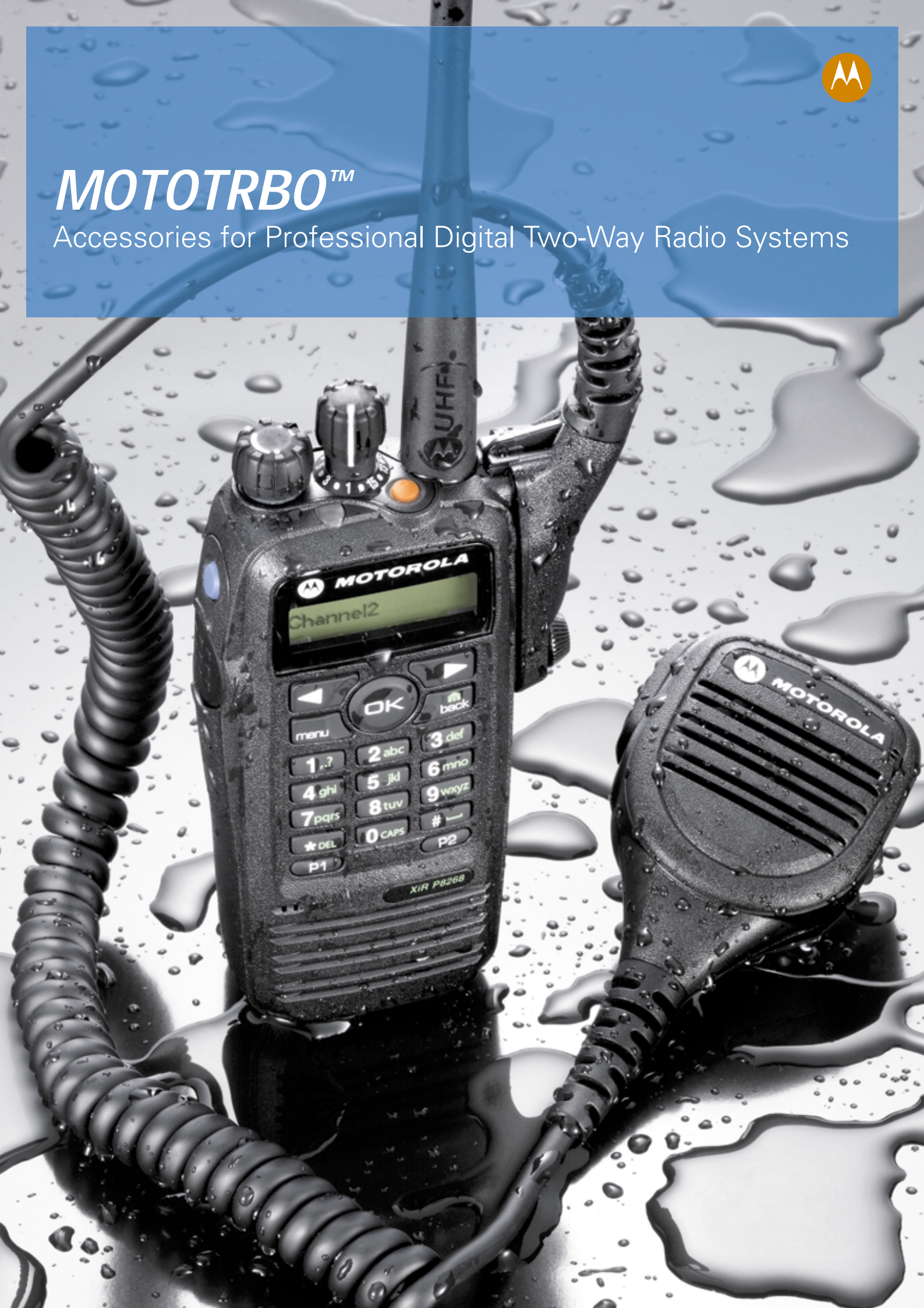




# MOTOTRBO™

Accessories for Professional Digital Two-Way Radio Systems



*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 to the unique needs of your operation, and migrate to a digital two-way radio platform at your own pace.

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# 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.



RMN5058  
IMPRES™ Lightweight Headset



**Nothing Works  
Like A Motorola  
Original Accessory**

\* To assure compliance with RF energy exposure standards and regulations, use only Motorola-approved batteries and accessories. Use of non-Motorola-approved batteries and accessories may result in RF energy exposure standards being exceeded.

## Enhanced Performance and Capabilities in Accessories

Motorola digital technology enables breakthrough radio performance and features. The new audio accessory connector is designed with this in mind – to enhance the radio performance and capabilities, now and into the future.

### IMPRES Smart Audio System

Motorola's state-of-the-art IMPRES technology enables optimal audio performance and increased customization, assuring the highest quality communication. This is achieved through enabling communications between the radio and the audio accessories.

### 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 independently programmed features. The radio can be customized to fit specific user applications and needs.

### Enhanced Audio Gain Capabilities

IMPRES audio accessories have significantly enhanced audio gain capabilities. Regardless of whether the user is speaking quietly or at normal volume, directly or indirectly into the microphone, the IMPRES audio can detect the condition and will automatically adjust the gain such that the person on the receiving end hears a clear transmission.

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

### 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 audio accessory interface is the new Motorola standard audio accessory interface for mid to high-tier two-way radios. The 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. 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.



## ***Remote Speaker Microphones/Public Safety Microphones:***

These 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.

- PMMN4024 Remote Speaker Microphone with 3.5mm Audio Jack
- PMMN4025 IMPRES Remote Speaker Microphone with 3.5mm Audio Jack and Emergency button
- PMMN4040 Remote Speaker Microphone Submersible.
- PMMN4046# IMPRES Remote Speaker Microphone with emergency button, two-position volume control and side option button. Submersible (IP57)



**Noise Cancelling Remote Speaker Microphones**

Coiled cord and includes Push-to-Talk switch, swivel clip and quick disconnect latch.

PMMN4050# IMPRES Noise Cancelling Remote Speaker Microphone with 3.5mm Audio Jack (IP54)

**Windporting Public Safety Microphones**

These windporting public safety microphones boast revolutionary features that allow the public safety professional to have clear and confident communication in the presence of high winds and other severe weather conditions.

The microphone with antenna enhances coverage and allows talking and listening without removing the portable radio from belt or case. Straight cord assembly in three different lengths. Includes Push-to-Talk switch, emergency button, three-position volume control, swivel clip and quick disconnect latch.

PMMN4041 IMPRES PSM with 3.5mm Audio Jack, 30-inch Cable (IP55)

PMMN4042 IMPRES PSM with 3.5mm Audio Jack, 24-inch Cable (IP55)

PMMN4043 IMPRES PSM with 3.5mm Audio Jack, 18-inch Cable (IP55)

PMMN4047# IMPRES PSM, Submersible (IP57), 30-inch Cable

PMMN4048# IMPRES PSM, Submersible (IP57), 24-inch Cable

PMMN4049# IMPRES PSM, Submersible (IP57), 18-inch Cable

**Public Safety Microphone Antennas**

PMAD4086 PSM VHF Antenna 150-174MHZ

PMAD4087 PSM VHF Antenna 136-153MHZ

PMAE4046 PSM UHF Stubby Antenna 403-433MHz

PMAE4047 PSM UHF Stubby Antenna 430-470MHz



AARLN4885  
Receive-Only Covered Earbud

**RSM and PSM Accessories**

An earphone jack located on certain microphone heads allows the user to receive audio discreetly when used with the following earpieces.

AARLN4885 Receive-Only Covered Earbud with Coiled Cord

RLN4941 Receive-Only Earpiece with Translucent Tube and Rubber Eartip

WADN4190 Receive-Only Flexible Earpiece

PMLN4620 D-Shell RSM Earpiece



RLN4941  
Receive-Only Earpiece



WADN4190  
Receive-Only Flexible Earpiece



PMMN4025  
IMPRES Remote Speaker  
Microphone with 3.5mm Audio Jack

## ***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

### **Ultra-Light Headset**

This headset provides clear and handsfree two-way communication, while maintaining the comfort necessary for extended wear in moderate noise environments.

PMLN5102 Ultra-Light Headset with Boom Microphone & In-line PTT/VOX Switch

### **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.

RMN5058 IMPRES Lightweight Headset Single-Muff, Adjustable, with Boom Microphone, In-Line PTT Switch

### **IMPRES Temple Transducer**

The Temple Transducer allows the user to receive audio without covering the ear. The receiver portion of this accessory rests on the temples and is capable of converting the input audio from a two-way radio into sound vibration. The sound vibration is transmitted through the surrounding human tissue and bone directly into the inner ear where it is received by the user. This allows the user to hear external sounds from both ears while receiving radio communications.

PMLN5101 IMPRES Temple Transducer

# RMN5058 IMPRES Lightweight Headset



RMN5058  
IMPRES Lightweight headset

## Earset and Earpieces

### D-Style Earset

This Ultra lightweight D-Style earpiece is comfortable and can be worn on either ear. The innovative and stylish design allows for hands-free communication. It offers an in-line Push-to-Talk button for ease of use.

PMLN5096 D-Shell Earset with Boom Microphone

## 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

RLN5878 Receive-Only Earpiece. Black.

RLN5879 Receive-Only Earpiece. Beige.

### 2-Wire Surveillance Kits

RLN5880 IMPRES Surveillance Kit. Black.

RLN5881 IMPRES Surveillance Kit. Beige.

RLN5882 IMPRES Surveillance Kit with Translucent Tube. Black.

RLN5883 IMPRES Surveillance Kit with Translucent Tube. Beige.



Ideal when environments  
require discreet  
communication.



**3 – Wire Surveillance Kits**

- PMLN5097 IMPRES 3 Wire Surveillance Kit. Black
- PMLN5106 IMPRES 3 Wire Surveillance Kit. Beige
- PMLN5111 IMPRES 3 Wire Surveillance Kit with Translucent Tube. Black
- PMLN5112 IMPRES 3 Wire Surveillance Kit with Translucent Tube. Beige

**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. The translucent tube allows users, especially those in multiple shift operations, to remove or alternate acoustic tubes for personal hygiene. Clothing clip prevents accessory from being pulled from the ear due to body movement or head rotation.

- RLN5887 Extreme Noise Kit. Includes 2 foam earplugs. For high-noise environments. Noise reduction = 24dB. Can be used with Clear Comfortable Earpieces.
- RLN5886 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.
- RLN6282 Replacement Standard Clear Rubber Eartips. Pack of 50.

**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.

- RLN4760 Small Custom Earpiece - Right Ear
- RLN4761 Medium Custom Earpiece - Right Ear
- RLN4762 Large Custom Earpiece - Right Ear
- RLN4763 Small Custom Earpiece - Left Ear
- RLN4764 Medium Custom Earpiece - Left Ear
- RLN4765 Large Custom Earpiece - Left Ear



RLN5886  
Low Noise Kit



RLN5887  
Extreme Noise kit

From left to right, top to bottom:

- RLN4765
- RLN4762
- RLN4764
- RLN4761
- RLN4763
- RLN4760



RLN5880  
IMPRES Surveillance Kit



# Submersible MOTOTRBO™ radio and accessory\* meet IP57 rating

## IP Code

The IP Code is a designation that indicates the level or amount of protection.

The IP Code designation consists of the letters **IP** (International Protection) followed by two numerals –

# IP 57

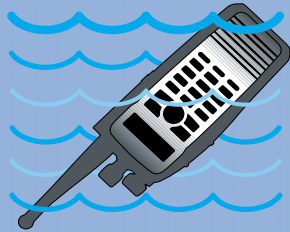
INTERNATIONAL ←

PROTECTION ←

Degree of protection against the ingress of solid foreign objects. **5** = Dust Protected

Degree of protection against the ingress of water with harmful effects.

**7** = Protection against the effects of temporary immersion in water (1m submersion for 30 minutes)



1m submersion for 30 mins

\* PMMN4040 Remote Speaker Microphone  
Submersible





## Carry Accessories:

The Motorola range of carry accessories is designed to carry the radios securely, while allowing the radios to be heard clearly.

### 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.

HLN6602 Universal Chest Pack with Radio Holder, Pen Holder and Velcro Secured Pouch

1505596Z02 Replacement Strap for HLN6602

### Break-A-Way Chest Pack

All the features of the original Universal Chest Pack (HLN6602) plus break-a-way tabs that allow the entire pack to be pulled off with approximately 10 lbs. of force.

RLN4570 Break-a-Way Chest Pack with Radio Holder, Pen Holder and Velcro Secured Pouch.

1505596Z02 Replacement Strap for RLN4570

### 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.

RLN4815 RadioPAK Radio Utility Case



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.



HLN6602  
Universal Chest Pack



RLN4815  
RadioPAK



Motorola carry case protects the radio and provides the freedom to communicate

## 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

- PMLN5015 Nylon Case with 3 Inch Fixed Belt Loop
- PMLN5016 Soft Leather Case with 2.5" Swivel Belt Loop
- PMLN5017 Soft Leather Case with 3" Swivel Belt Loop
- PMLN5018 Soft Leather Case with 3" Fixed Belt Loop
- PMLN5021 Hard Leather Case with 3 Inch Fixed Belt Loop
- PMLN5019 Hard Leather Case with 2.5 Inch Swivel Belt Loop
- PMLN5020 Hard Leather Case with 3 Inch Swivel Belt Loop

### MOTOTRBO without display

- PMLN5024 Nylon Case with 3 Inch Fixed Belt Loop
- PMLN5025 Soft Leather Case with 2.5" Swivel Belt Loop
- PMLN5026 Soft Leather Case with 3" Swivel Belt Loop
- PMLN5027 Soft Leather Case with 3" Fixed Belt Loop
- PMLN5030 Hard Leather Case with 3 Inch Fixed Belt Loop
- PMLN5028 Hard Leather Case with 2.5 Inch Swivel Belt Loop
- PMLN5029 Hard Leather Case with 3 Inch Swivel Belt Loop

## Miscellaneous Carry Accessories

### Belt loops & belts

- PMLN5022 2.5 Inch Leather Swivel Belt Loop
- PMLN5023 3 Inch Leather Swivel Belt Loop
- 4200865599 1.75 Inch Wide Leather Belt.

### Belt clips

- PMLN4652 Spring Action 2.5 Inch Belt Clip
- PMLN4651 Spring Action 2 Inch Belt Clip

### Carrying strap

- NTN5243 Adjustable, Black Nylon Carrying Strap attaches to D-ring on cases.

### Waterproof bag

- HLN9985 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: PMLN5015, PMLN5020, PMLN5024, and PMLN5029.



**NTN5243**  
Adjustable, Black Nylon Carrying Strap attaches to D-ring on cases.



Motorola carry case protects the radio and provides the freedom to communicate

## 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

- WPLN4232 IMPRES Single-Unit Charger, US Plug
- WPLN4233 IMPRES Single-Unit Charger, UK Plug
- WPLN4234 IMPRES Single-Unit Charger, Euro Plug
- WPLN4235 IMPRES Single-Unit Charger, Australia/NZ Plug
- WPLN4212 IMPRES Multi-Unit Charger, US Plug
- WPLN4213 IMPRES Multi-Unit Charger, Euro Plug
- WPLN4214 IMPRES Multi-Unit Charger, UK Plug
- WPLN4215 IMPRES Multi-Unit Charger, Australia/NZ Plug
- WPLN4217 IMPRES Multi-Unit Charger, Korean Plug
- NLN7967 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 also displays battery kit number, serial number and chemistry.

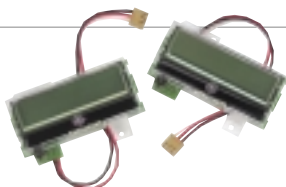
- WPLN4219 IMPRES Multi-Unit Charger w/ Display, US Plug
- WPLN4220 IMPRES Multi-Unit Charger w/ Display, Euro Plug
- WPLN4221 IMPRES Multi-Unit Charger w/ Display, UK Plug
- WPLN4222 IMPRES Multi-Unit Charger w/ Display, Australia Plug
- WPLN4224 IMPRES Multi-Unit Charger w/ Display, Korean Plug
- NLN7967 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.

- RLN5382 Charger Display Module for IMPRES Multi-Unit Charger Version 1.3 or Later

WPLN4232  
IMPRES Single-Unit  
Charger, radio sold separately



RLN5382  
Charger Display Modules for  
IMPRES Multi-Unit Charger

**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.**

# IMPRES™ batteries and portable antennas

## 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.

## Motorola Original Battery

The Motorola Original Battery is ruggedly designed for lasting durability and is system tested with Motorola two-way radios to ensure optimum performance.

## 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, automate battery maintenance and optimize battery cycle life. Batteries can be charged and reconditioned without being removed from the radio.

- PMNN4066 IMPRES Li-ion 1500 mAh, 7.2V Submersible Battery – IP57 Rating
- PMNN4077 IMPRES Li-ion 2200 mAh, 7.2V Submersible Battery – IP57 Rating
- PMNN4069 IMPRES Li-ion 1400 mAh, 7.2V Submersible Battery – IP57 Rating. Intrinsically Safe (FM)

## 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.

- PMAD4078 Combination GPS / VHF 163-174Mhz Stubby Antenna, 11 cm
- PMAD4083 Combination GPS / VHF 153-163Mhz Stubby Antenna, 11 cm
- PMAD4084 Combination GPS / VHF 144-153Mhz Stubby Antenna, 11 cm
- PMAD4085 Combination GPS / VHF 136-144Mhz Stubby Antenna, 11 cm
- PMAE4021 Combination GPS / UHF 403-433 MHz Stubby Antenna, 9 cm
- PMAE4023 Combination GPS / UHF 430-470 MHz Stubby Antenna, 9 cm

## Wideband Antennas

Single antenna capable of covering the whole frequency band.

- PMAD4088 VHF 136-174 MHz Wideband Antenna, 21 cm
- PMAE4022 UHF, Flexible Whip, 403-470 MHz, 16 cm

# Antennas

## Combination GPS / Radio Antennas

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

- PMAD4067 Combination GPS / VHF 136-147 MHz Antenna, 16 cm
- PMAD4068 Combination GPS / VHF 147-160 MHz Antenna, 16 cm
- PMAD4069 Combination GPS / VHF 160-174 MHz Antenna, 16 cm
- PMAE4018 Combination GPS / UHF 403-433 MHz Folded Monopole Antenna, 14 cm
- PMAE4024 Combination GPS / UHF 430-470 MHz Folded Monopole Antenna, 14 cm

Batteries may be left in IMPRES chargers for extended periods without demaging heat build-up, while being kept fully charged so they are always ready when needed.



Maintain the longevity of your charge with IMPRES batteries.

# Microphones and Handsets

## Standard Compact Microphone

Standard Compact Microphone provides basic Push-To-Talk functionality and ships with all MOTOTRBO mobile radios.

RMN5052 Standard Compact Microphone



RMN5052  
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.

RMN5065 IMPRES Keypad Microphone



RMN5065  
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.

RMN5053 IMPRES Heavy-Duty Microphone

HLN9073 Microphone Hang-Up Clip

HLN9414 Universal Microphone Hang-Up Clip



RMN5053  
IMPRES Heavy-Duty Microphone

## IMPRES Telephone Style Handset

The Telephone Style Handset provides a convenient means of private communication through a push-to-talk (PTT) button, volume control and two programmable side buttons for additional functionality. The handset includes a hang-up cup and mounting hardware for use with the mobile radio.

HMN4098 IMPRES Telephone Style Handset

# 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.

RMN5054 IMPRES Visor Microphone



RMN5054  
IMPRES Visor Microphone

## External PTT Accessories

RLN5926 Push button with Push-to-Talk  
– can be held in the hand, or mounted to the vehicle with touch fasteners

RLN5929 Foot Switch with Push-to-Talk  
– Mounts to floor of vehicle



Vehicle mount with Visor Microphone for convenient and safe communications on the go.



## 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 XiR M8260, XiR M8268, XiR M8270 and XiR M8228 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

- RMN5050 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.
- GLN7318 Desktop Tray Without Speaker.  
Ideal for securing mobile in place in a desktop environment.
- RSN4005 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.

### Power accessories

- HPN4008 Power Supply, 1-25W, for low power radios. Power cord included.
- HPN4007 Power Supply, 25-60W, for low power radios. Power cord included.
- GPN6145 Switchmode Power Supply, 1-25W Has provision for back-up battery hook-up.
- GKN6266 Power Supply Cable.  
Power cable for switchable power supply GPN6145.

### External loudspeakers

- RSN4002 13W External Speaker
- RSN4003 7.5W External Speaker
- RSN4004 5W External Speaker
- RLN6257# 6W Public Address Speaker with Cable. (Weather Resistant)



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

# 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.

- RLN6076 Low Profile Trunnion Kit  
Keeps radio tucked up under the dash or positioned for floor mount.
- RLN6078 High Profile Trunnion Kit  
Keeps radio tucked up under the dash, with extra clearance so radio can be tilted for a better view. It can also be positioned for floor mounting.
- RLN6079 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.

- RLN5933 In Dash Mounting Kit - DIN

## Cables to Battery

Cables used to connect the battery to the radio chassis.

- HKN4137 Power Cable to Battery 10 Foot, 15 amp
- HKN4192 Power Cable to Battery 20 Foot, 20 amp
- RKN4136 Ignition Sense Cable

## Combination GPS/Radio Antennas

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

### VHF Antennas

- RAD4219 Combo GPS / VHF 136-144 MHz, 1/4 Wave BNC
- RAD4220 Combo GPS / VHF 146-150.8 MHz, 1/4 Wave BNC
- RAD4221 Combo GPS / VHF 150.8-162 MHz, 1/4 Wave BNC
- RAD4222 Combo GPS / VHF 162-174 MHz, 1/4 Wave BNC

### UHF Antennas

- PMAE4035 Combo GPS / UHF 403-430 MHz, 1/4 Wave BNC
- PMAE4036 Combo GPS / UHF 406-420 MHz, 3.5dB Gain BNC
- PMAE4037 Combo GPS / UHF 450-470 MHz, 1/4 Wave BNC
- PMAE4038 Combo GPS / UHF 450-470 MHz, 5dB Gain BNC



## GPS Active Antennas

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

- PMAN4000 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.
- PMAN4002 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.

## VHF/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.

- HAD4006\_R VHF - 1/4 Wave Roof Mount, 136-144 MHz,
- HAD4007\_R VHF - 1/4 Wave Roof Mount, 144-152 MHz,
- HAD4008\_R VHF - 1/4 Wave Roof Mount, 150.8-162 MHz,
- HAD4009\_R VHF - 1/4 Wave Roof Mount, 162-174 MHz,
- RAE4151 UHF - 1/4 Wave Roof Mount, 403-430Mhz, BNC
- RAE4152 UHF - 1/4 Wave Roof Mount, 450-470Mhz, BNC
- 0902105F01 BNC Connector
- HAE4002 UHF - 1/4 Wave Roof Mount 403-430 MHz
- HAE4003 UHF - 1/4 Wave Roof Mount 450-470 MHz

## VHF/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.

- HAD4014\_R VHF - 3dB Gain Roof Mount, 136-172 MHz
- RAE4158 UHF - 3.5 dB Gain Roof Mount, 406-420Mhz, BNC
- HAE4010 UHF - 3.5dB Gain Roof Mount 406-420 MHz
- HAE4011 UHF - 3.5dB Gain Roof Mount 450-470 MHz
- RDE4556 UHF - 3.8 dB Gain, 450-470 MHz,
- RAE4154 UHF - 5 dB Gain Roof Mount, 450-470Mhz, BNC
- 0902105F01 BNC Connector

## Combination GPS/Radio Antennas:

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

## Repeater Accessories

### Duplexers

- HFD8188 VHF Duplexer, 144-155 MHz (minimum freq.separation is 4.5 MHz)
- HFD8189 VHF Duplexer, 155-162 MHz (minimum freq.separation is 4.5 MHz)
- HFD8190 VHF Duplexer, 162-174 MHz (minimum freq.separation is 4.5 MHz)
- HFE8400 UHF Duplexer, 406-450 MHz (minimum freq.separation is 5 MHz)
- TDE7780 UHF Duplexer, 450-470 MHz - Standard frequency separation is 5MHz

### Antenna

- RDD4527 3dB Dipole Antenna, 150-158MHz
- RDE4556 3.8dB Dipole Antenna, 450-470MHz

### Mounting

- PMLE4476 Wall Mount Kit for XiR R8200
- PMLN5072 Hardware Kit for Rear Accessory Connector

### Preselector

- HFD8462 VHF 160-174 MHz Preselector
- HFE8459 UHF 440-474 MHz Preselector

### Installation

- RRX4032 Tower Mounting Hardware
- RRX4038 Surge Suppressor
- RKN4152 Battery Back-up Cable



PMAE4031  
GPS/UHF - 1/4 Wave Roof Mount

PMAN4000  
Fixed Mount GPS Active Antenna

GPS tracking coverage with Voice/Data  
ideal for fleet tracking applications.



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