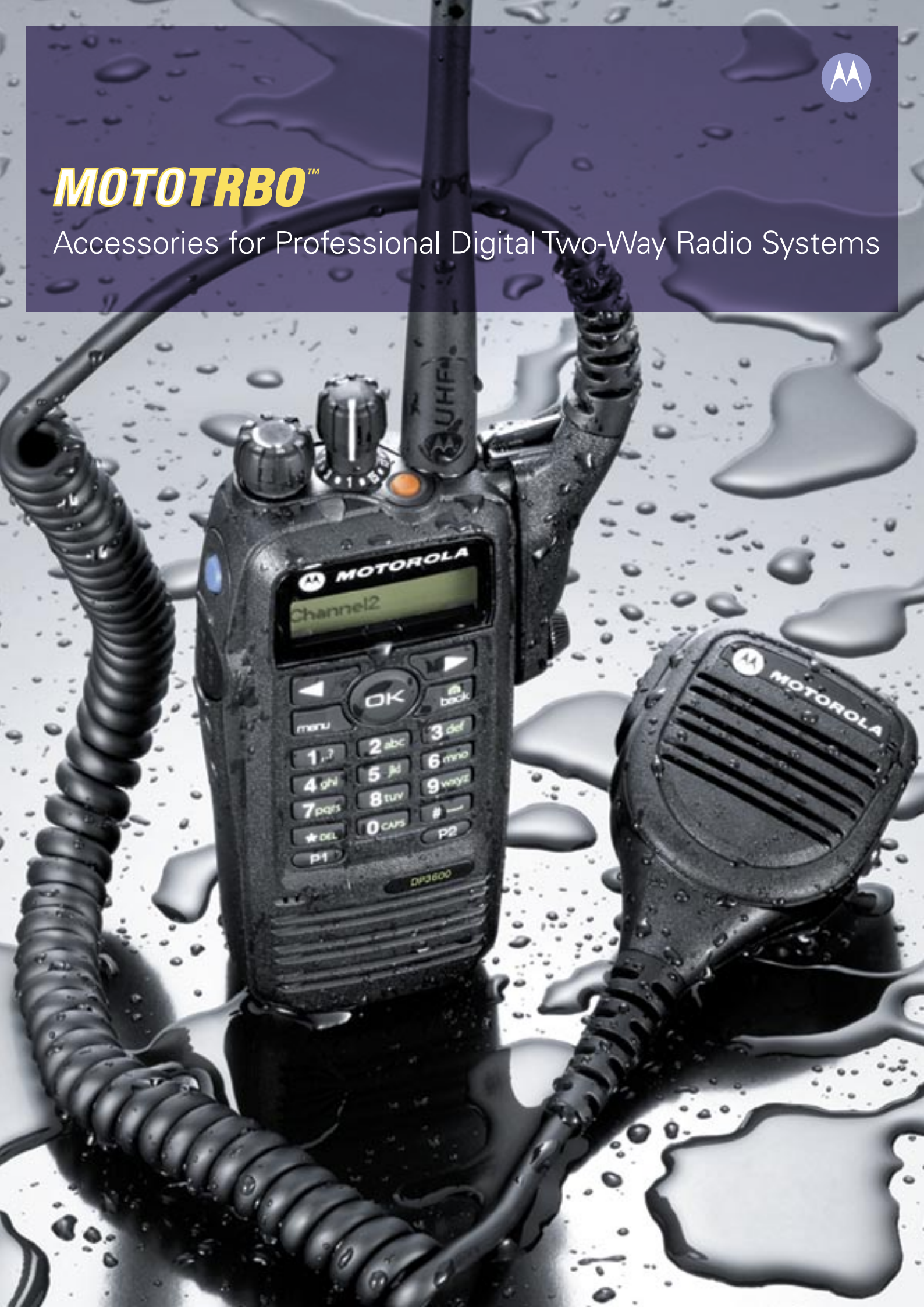# MOTOTRBO™

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.

Table of Contents

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.

MOTOROLA ORIGINAL accessories

Nothing Works Like A Motorola Original Accessory

RMN5058
IMPRES™ Lightweight Headset

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.

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

IMPRES Smart Audio System

Motorola's state-of-the-art IMPRES technology enables optimal audio performance and increased customisation, 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 optimise its output for each type of audio accessory. This results in more consistent output across all audio accessories.

Customisation

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 customised 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.

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 communication seven 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:
These speaker microphones boast a revolutionary windporting feature that helps lessen background noise from high winds and other serve 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 radio users 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.

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.

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).

PMMN4040

Windporting Microphones

These windporting microphones boast revolutionary features that allow the 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.

AARLN4885
Receive-Only Covered Earbud

RLN4941
Receive-Only Quick Release
Acoustic Tube Earpiece

PMMN4025
IMPRES Remote Speaker
Microphone with 3.5mm Audio Jack

WADN4190
Receive-Only Flexible Earpiece

5

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 hands free 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 –
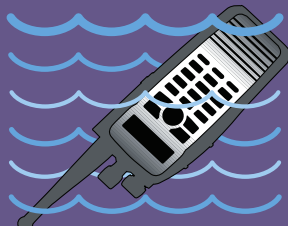
IP 5 7

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

11

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.

PMLN5026S   oft 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.

Protective Bag

HLN9985   Protective 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

WPLN4256   IMPRES Single-Unit Charger, Australia/ NZ Plug.

WPLN4215   IMPRES Multi-Unit Charger, Australia/ NZ Plug.

IMPRES Multi-Unit Charger with Display Modules

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

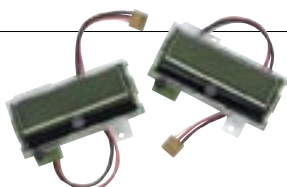WPLN4222   IMPRES Multi-Unit Charger w/ Display, Australia Plug.

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.

WPLN4256
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 optimised 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 optimised 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 maximise talk-time, automate battery maintenance and optimise 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).

Antennas

Combination GPS / Radio Antennas

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

PMAD4067   Combination GPS / VHF 136-147 MHz Antenna, 16cm

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.

PMAE4050   UHF2+GPS Folded Monopole Antenna (450-495 MHz), 14 cm

PMAE4051   UHF2+GPS Folded Monopole Antenna (495-527 MHz), 14 cm

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 heath that allows for maximum flexibility. Built in GPS capability.

PMAD4078   Combination GPS / VHF 163-174 Mhz Stubby Antenna, 11cm.

PMAD4083   Combination GPS / VHF 153-163 Mhz Stubby Antenna, 11cm.

PMAD4084   Combination GPS / VHF 144-153 Mhz Stubby Antenna, 11cm.

PMAE4021   Combination GPS / UHF 403-433 MHz Stubby Antenna, 9cm.

PMAE4023   Combination GPS / UHF 430-470 MHz Stubby Antenna, 9cm.

PMAE4048   Combination GPS/UHF 450-527 MHz Stubby Antenna, 9cm (Non GPS).

Wideband Antennas

Single antenna capable of covering the whole frequency band.

PMAD4088   VHF 136-174 MHz Wideband Antenna, 21cm.

PMAE4022   UHF, Flexible Whip, 403-470 MHz, 16cm.

PMAE4049   UHF, Whip Antenna, 450-527 MHz, 16cm.

Batteries may be left in IMPRES chargers for extended periods without damaging 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.

IMPRES Keypad Microphone

IMPRES Keypad Microphone includes a full keypad that enables you to dial phone numbers from the microphone. Also has three customisable 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.

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

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 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.

RMN5052
Standard Compact Microphone

RMN5065
IMPRES Keypad Microphone

RMN5053
IMPRES Heavy-Duty Microphone

RMN5054
IMPRES Visor Microphone

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 security.

MOTOTRBO Control Station

These control station accessories allow you to convert DM3600, DM3601, DM3400, DM3401 mobile two-way radios into convenient base stations. This makes an ideal communication solution for transportation, manufacturing, construction and security 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

APN6153   Power Supply, 240V AC, 1-25W.

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.

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.
HAE6017	Combo GPS / UHF 403-527 MHz, 2dB Gain BNC.
HAE6018	Combo GPS / UHF 470-527 MHz, 1/4 Wave BNC.
HAE6023	Combo GPS / UHF 494-512 MHz, 3.5dB Gain BNC.
HAE6025	Combo GPS / UHF 470-494 MHz, 3.5dB 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, 403-430 Mhz, BNC.
RAE4152	UHF - 1/4 Wave Roof Mount, 450-470 Mhz, BNC.
RAE4158	406-420 MHz, 3.5DB Gain Roof Mount.
0902105F01	BNC Connector.
HAE4002	UHF - 1/ 4 Wave Roof Mount 403-430 MHz.
HAE4003	UHF - 1/ 4 Wave Roof Mount 450-470 MHz.
HAE4004	UHF 470-512 MHZ, 1/4 Wave Roof Mount.
HAE4012	UHF 470-494 MHZ, 3.5 DB Gain Roof Mount.
HAE4013	UHF 494-512 MHZ, 3.5 DB Gain Roof Mount.

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, 406-420 Mhz, 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, 450-470 Mhz, 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).

HFE8401   UHF Duplexer 470-490 MHz
(minimum freq. separation is 3 MHz).

HFE8454   UHF Duplexer 490-512 MHz
(minimum freq. separation is 3 MHz).

TDE7780   UHF Duplexer, 450-470 MHz
(standard freq. separation is 5MHz).

Antenna

RDD4527   3dB Dipole Antenna, 150-158 MHz.

RDE4556   3.8dB Dipole Antenna, 450-470 MHz.

Mounting

PMLE4476   Wall Mount Kit for DR3000.

PMLN5072   Hardware Kit for Rear Accessory Connector.

Preselector

HFE8458   UHF 406-440 MHz Preselector.

HFE8459   UHF 440-474 MHz Preselector.

HFE8460   UHF 474-512 MHz Preselector.

HFD8461   VHF 144-160 MHz Preselector.

HFD8462   VHF 160-174 MHz Preselector.

HFD8463   VHF 136-144 MHz Preselector.

Installation

RRX4032   Tower Mounting Hardware.

RRX4038   Surge Suppressor.

RKN4152   Battery Back-up Cable.

PMAE4037
GPS/UHF – 1/4 Wave Roof Mount

PMAN4000
Fixed Mount GPS Active Antenna

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

MOTOROLA

**Call us today to
enhance your MOTOTRBO™
System capabilities with
high-performance
Motorola Original®
accessories.**

**STREAMLINED SOLUTIONS FOR
THE EXACT FUNCTIONALITY YOU NEED**

Motorola MOTOTRBO™ Professional Digital
Two-Way Radio Systems can be easily customised
to your communication requirements. All Motorola
Original® accessories are built to the highest
standards of quality, and are specially engineered to
perfectly complement your radio's performance.

So make certain you're optimising your next-generation
system with the accessories that complement it best.
Call now for more information.

MOTOROLA

www.motorola.com/governmentandenterprise