



Solution for GP3188/GP3688 Portable Radio

Innovative Accessory



These Accessories help your customers put the "ABLE" in Portable

Two-way radio communication offers you an instant seamless and efficient way to coordinate and control your work operations. Take a step further to maximise that productivity – use accessories to turn your radio system into a customised communication solution.

From ready-for-action carrying accessories to power-packed batteries, you can enhance the efficiency of your Two-Way radio communication. Each Motorola original accessory is designed to deliver peak performance to match the standards you demand. Built with the highest quality standards, Motorola accessories are specially engineered to ensure maximum performance of your radio.

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Slim, Lightweight & Power-Packed Lithium Batteries for Longer Lasting Performance

BATTERIES

Motorola original batteries are available in a variety of chemistries and capacities; Designed to work hand in hand with your two-way radios to ensure optimised performance and safety for your business.

LITHIUM ION

Part Number NNTN4497
 Size/Weight: 120.5 x 60 x 23.5 mm / 135.5 gram
 Min**/Typ Cap: 2250mAh / 2300mAh

Part Number NNTN4970 (Slim)
 Size/Weight: 120.5 x 60 x 18.5 mm / 135 gram
 Min**/Typ Cap: 1500mAh / 1600mAh

NICKEL METAL-HYDRIDE

Part Number NNTN4851
 Size/Weight: 120.5 x 60 x 21 mm / 197 gram
 Min**/Typ Cap: 1300mAh / 1400mAh

Part Number PMNN4072 (Mag One)
 Size/Weight: 120 x 60 x 22 mm / 200gm
 Min** / Typ Cap: 1300mAh / 1400mAh

NICKEL CADMIUM

Part Number NNTN4496
 Size/Weight: 120.5 x 60 x 23.5 mm / 188 gram
 Min**/Typ Cap: 950mAh / 1100mAh

**Guaranteed mAh capacity specification for tender or warranty coverage.



NNTN4970



NNTN4851
 Show with Belt clip
 (order separately)



NNTN4497

Efficient and Powerful Charging Solution ... Wherever You Work

CHARGERS

Designed to work as a total system with the two-way radio and battery, Motorola original chargers maximise the battery life of your batteries and keep them in tiptop condition. Choose from the practical single unit charger to the more versatile 6-gang multi-unit charger for large fleet radio users.

SINGLE UNIT RAPID RATE TRI-CHEMISTRY CHARGERS

Lightweight and compact charger with wall-mounted power supply rapidly charges Lilon, NiMH & NiCd batteries within 3 hours. Allows battery only or radio/battery combination charging

- | | |
|----------|--|
| WPLN4138 | Single Unit Tri-Chem Charger 110V - US plug |
| WPLN4139 | Single Unit Tri-Chem Charger 230V – Euro plug |
| WPLN4140 | Single Unit Tri-Chem Charger 230V – UK plug |



WPLN4138

MULTI UNIT CHARGERS

Multi unit chargers can charge a maximum of six individual batteries or radio/battery combination in maximum of 3 hours. An external power supply with different power cords cater to different market requirements. Ideal for large fleet, shift-work or centrally located work group operations.

- WPLN4161 Multi Unit Rapid Charger
110V - US cord
- WPLN4162 Multi Unit Rapid Charger
230V – Euro cord
- WPLN4163 Multi Unit Rapid Charger
230V – UK cord



WPLN4161

VEHICULAR ACCESSORIES

The portable radio hanger slides over and hangs from the door panel in a vehicle. The radio's belt clip slides onto the portable hanger allowing convenient and easy mounting. Two sizes are available to fit most door panels.

- TDN9327 Portable Radio Hanger
(for door panels up to 2.75 inch in width)
- TDN9373 Portable Radio Hanger
(for door panels from 2.75 inch to 3.25 inch in width)



TDN9327 TDN9373

Ready-for-Action Audio Accessories for Convenient Hands-Free & Accessibility

AUDIO ACCESSORIES

Designed as a complete solution, our extensive range of audio accessories from remote speaker microphones, headsets to surveillance kits provides you the flexibility of hands-free operations.

Windporting Remote Speaker Microphones

The Windporting feature of these microphones 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. The Windporting Remote Speaker Microphones allow talking and listening without removing the radio from the belt or case. Both have a coiled cord, Push-to-Talk switch, swivel clip, and quick disconnect latch.

- PMMN4014 Remote Speaker Microphone
- PMMN4013 Remote Speaker Microphone with 3.5mm Audio Jack
Ideal for Transportation, Hospitality and Service Professionals
- PMMN4029 Remote Speaker Microphone with IP57 Rating
Ideal for Public safety, Mining and Construction Workers.
- PMMN4008 Remote Speaker Microphone (Mag One)
Suitable for light-duty, indoor application



REMOTE SPEAKER MICROPHONE ACCESSORIES

These accessories are to be used with PMMN4013
(Includes 3.5mm Adapter.) Allows the user to receive audio discreetly.

| | |
|-----------|---|
| AARLN4885 | Receive-Only Covered Earbud |
| RLN4941 | Receive-Only Earpiece with Translucent Tube and Rubber Eartip |
| WADN4190 | Receive-Only Flexible Earpiece |
| PMLN4620 | D-Style Earpiece with 3.5mm Plug. Receive only |

STANDARD EARPIECE/EARSET

Standard earpiece/earsets are cellular-style design with practical functionality. Provides customer-friendly image yet increase responsiveness to your work teams. Suitable for users in the retail, hotel, catering and hospitality industries.

| | |
|------------|--|
| PMLN4294 | Earbud with Combined Microphone/Push-To-Talk (PTT) Small earpiece that fits comfortably in the ear for private listening. A clip-on thumb style, compact Microphone/PTT allows users easy access to transmit message. |
| HLN9132 | Earbud Receive-Only Earpiece |
| BDN6720 | Over-the-Ear Style Receive-Only Earpiece |
| 7580372E11 | Replacement Foam Cushion for BDN6720 |
| PMLN5001 | D-style Earpiece with combined microphone/In-line PTT Ideal for the retail, hotel, catering and hospitality industries where projecting professional image is as important as reliable communication and seamless co-ordination. |
| PMLN4442 | Earbud with in-line MIC/PTT/VOX Switch (Mag One) Cellular style with capability for automatic VOX transmission without activating PTT when used with internal VOX-programmed radio. Suitable for light-duty, indoor application. |
| PMLN4443 | Ear-Receiver With in-line MIC/PTT/VOX Switch (Mag One) Similar in functions to PMLN4442 except for the over-the-ear earpiece. Provides louder audio output and personal hygiene. |
| PMLN4658 | D-hook Earset with flexible Microphone |



PMLN4294



PMMN4001



BDN6720



PMLN4658



PMLN5001



PMLN4442



PMLN4443

HEADSETS

Choose from the light duty headsets that are suitable for use in low noise environments to the medium/heavy duty headsets equipped with hearing protection.

LIGHT DUTY HEADSETS

The light weight headset sits firmly over the ear and ensures users comfort for prolonged communication. It is most suitable for users in the entertainment, retail, sports and leisure industries.

- HMN9013** Light Weight Headset with Swivel Boom Microphone (compatible with internal VOX)
- BDN6647** Large Single Muff Headset with Swivel Boom Microphone (compatible with internal VOX)
- RMN4016** Single-Muff, Adjustable, Light weight Headset with Boom Microphone and in-line PTT
- REX4648** Replacement Foam Earpad/Windscreen kit for HMN9013/RMN4016
- RLN5411** Ultra-Lite Behind-the-Head Headset with in-line PTT
- PMLN4445** Ultra-Light Headset with in-line PTT/VOX Switch (Mag One) Allows total hands-Free VOX or PTT mode via the VOX slide switch. Suitable for light-duty, indoor application.

OPTIONAL HEADSET ACCESSORIES

- HLN9133** External VOX Adapter
For users wanting total hands-free without PTT and not relying on radio internal VOX, this external VOX adapter performs the VOX function. Use only with HMN9013 & BDN6647 headsets.

MEDIUM DUTY HEADSETS

Medium duty dual-muff headset offers hearing protection for reliable communications in harsh and noisy situations. Available in 'behind-the-head' and 'over-the-head' designs, they are suitable for construction, manufacturing, petrochemical and air transport industries.

- HMN9021** Medium Weight Dual-Muff Headset with Swivel Microphone (over the head – 24db reduction)
- HMN9022** Medium Weight Dual-Muff Headset with Swivel Microphone (behind the head – 24dB reduction)

HEAVY DUTY HEADSET

Heavy duty headset includes noise-canceling boom microphone with good hearing protection and external VOX function. The PTT is located on one side of the muff. This headset can be worn with or without a hardhat and is suitable for use in noise levels up to 125 dB. Suitable for mining, construction, manufacturing and air transport industries.

- BDN6648** Heavy Duty Headset with Noise-Canceling Boom Microphone



SURVEILLANCE KITS

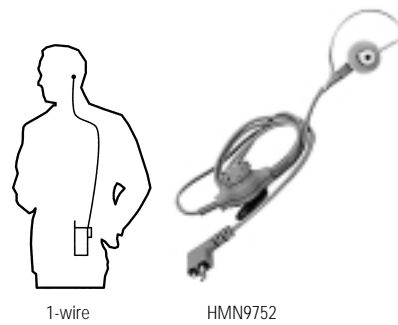
Surveillance kits are unobtrusively designed, making them the ideal audio accessories for effective communication in covert operations.

Surveillance earpiece can be easily concealed and camouflaged to allow discrete communications. The earpiece is designed for use with optional accessories for extra-covert features. Available in – beige skin or black colour.

1-wire Surveillance Kit consists of the earpiece, allowing users to receive message only.

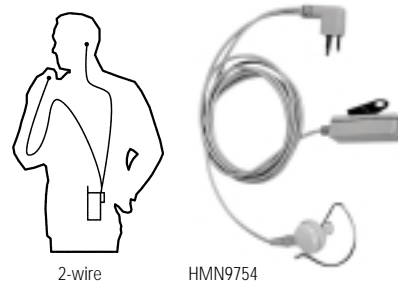
2-wire surveillance kits are equipped with combine microphone and PTT in a single housing.

- HMN9727 1-Wire Surveillance Earpiece (Beige)
- RLN4894 1-Wire Surveillance Earpiece (Black)
- HMN9752 1-Wire Surveillance Earpiece with Volume Control (Beige)
- HMN9754 2-Wire Surveillance Earpiece with Combined Microphone/PTT (Beige)
- RLN4895 2-Wire Surveillance Earpiece with Combined Microphone/PTT (Black)
- RLN5198 2-Wire Surveillance Kit with Acoustic Tube (Beige)
Combination of HMN9754 + NTN8371.
Comes in retail packaging.
- PMLN4606 2-Wire Surveillance Kit with Clear Acoustic Tube
Cost-effective, extra-covert with clear coiled tube for added clarity.
- PMLN4605 Replacement Clear Acoustic Tube
For use with PMLN4606 only. Also can be fitted to PMLN4294.



1-wire

HMN9752



2-wire

HMN9754



CLEAR COMFORTABLE EARPIECES

These earpieces form to the inside of the ear and are perfect for low-noise environments. Made of easy-to-clean, chemically-inert, hypo-allergenic material. Compatible with 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



PMLN4606 Surveillance Kit with Clear Acoustic Tube

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. Coil translucent tube attaches to the 1-Wire and 2-Wire Surveillance Kits (except for PMLN4606).

- RLN6230 Extreme Noise Kit. Includes 2 foam earplugs
For high-noise environments. Noise reduction = 24dB.
Can be used with Clear Comfortable Earpieces. Black.
- RLN6231 Extreme Noise Kit. Includes 2 foam earplugs
For high-noise environments. Noise reduction = 24dB.
Can be used with Clear Comfortable Earpieces. Beige.
- RLN6232 Low Noise Kit - Clear Acoustic Tube Assembly Includes
1 clear rubber eartip.
For low-noise environments, does not provide hearing
protection. Black.
- RLN6241 Low Noise Kit - Clear Acoustic Tube Assembly Includes 1
clear rubber eartip.
For low-noise environments, does not provide hearing
protection. Beige.
- 5080369E39† Extra Loud Earphone. Beige.
- 5080370E91† Extra Loud Earphone. Black.



REPLACEMENT ACCESSORIES

- RLN6242 Quick Disconnect Acoustic Tube Replacement
- 5080384F72 Foam Plugs. Noise reduction = 24dB. Pack of 50
For RLN6230 and RLN6231.
- 5080370E97 Standard Clear Rubber Eartips. Pack of 25
For RLN6232 and RLN6241.

† Extra Loud Earphone exceeds OSHA limits.

EAR MICROPHONE SYSTEM

This compact unit picks up the voice through bone vibrations in the ear canal. The miniature earpiece/microphone enables hands-free operations and leaves face unobscured when worn by personnel during rescue operations. Communication is also made possible to personnels when wearing breathing apparatus and protective masks.

Ideal for listening and speaking in high noise environment as the message transmission is through ear bone conduction.

- *BDN6646 Ear Microphone with PTT Interface Module
- *BDN6706 Ear Microphone with PTT/VOX Interface Module

*Comprise of radio interface module and standard ear microphone.

OPTIONAL ACCESSORIES FOR EAR MICROPHONE SYSTEM

- 0180358B38 Remote PTT Ring Switch
- 0180300E83 Remote PTT Body Switch



SPECIALTY ACCESSORIES

Specialised audio accessories are designed for markets with unique operational needs, such as sports management, mission critical operation and construction.

- RLN5238** Sports-Style Headset with in-line PTT
- RMN5047** Heavy Duty Sports-Style Headset
Ergonomically-designed for all day comfort with a sporty appearance. It features a noise-cancelling boom microphone and in-line Push-to-Talk button. Ideal for sports and special events projecting a more professional image.
- RMN5015** Racing Headset
Heavy-duty, with bold styling dual-muff behind-the head style headset with noise-cancelling boom microphone provides 24dB noise reduction rating. Ideal for extreme noise environments such as CART Racing or Formula One. Require RKN4090 radio adapter cable (sold separately).
- RKN4090** Radio Adapter Cable (for use with RMN5015)
- RMN4051** Hardhat Mount Headset
For users wearing their personal hardhats, this innovative headset mounts easily to the hardhats side slots providing noise reduction of 21dB. Replaceable ear-seals are filled with liquid and foam combination to provide excellent sealing and comfort. Comes with a 3-foot curly cord. Hardhat not included. Require RKN4094 in-line PTT Adapter Cable. (order separately)
- RMN4055** Receive-Only Dual-Muff Headset
For users working in extreme-noise environment yet requiring to receive incoming message. Provides 24dB noise-reduction rating with replaceable earseals that are filled with liquid and foam combination. Requires RKN4094 in-line PTT Adapter Cable. (order separately)
- RKN4094** In-Line PTT Adapter Cable for RMN4051/4055
Connects to the radio side connector.

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 receive 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. It features an In-line PTT and noise-cancelling boom microphone. The Temple Transducer can help enhance communication and safety by allowing external sounds, such as machinery and equipment, warning and fire alarms, the intercom, traffic and even casual conversations with co-workers. This allows the user to hear external sounds from both ears while receiving radio communications. In high-noise environments it allows the use of earplugs.

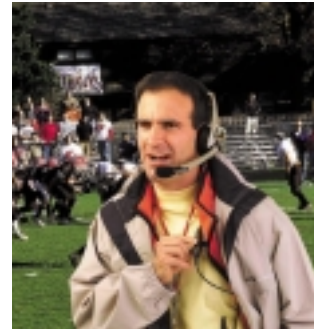
- PMLN5003** Retail Temple Transducer Headset
Ideal for light-duty, indoor use and comes with a 6 month warranty. Specially designed for Retail Outlets, Restaurants, Event management.
- PMLN5011** Temple Transducer Headset
Ideal for manufacturing facilities, public safety professionals and service industries.
- 0180305J46** Training CD-ROM. For EMS and Temple Transducer Headset.

ACCESSORY RETAINER CLIP

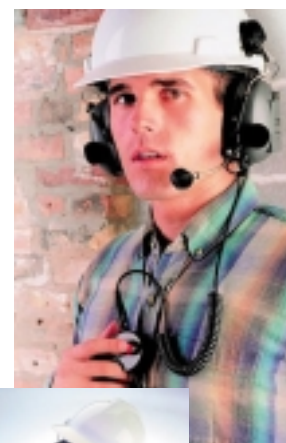
- RLN5500** Accessory Retainer Clip
Holds audio accessory securely to the radio.



RLN5238



RMN5015 & RKN4090



RMN4051

Ideal Combinations of Ruggedness and Protection with these Versatile Carry Solutions

CARRYING ACCESSORIES

Carrying Accessories are available in varying sizes and materials designed to suit your operational needs. Use them together with the other accessories for added convenience and hands-free mobility.

CARRY CASES FOR NON-KEYPAD RADIOS

RLN5383 Leather Carry Case With Belt Loop & D-Shaped Rings Protects radio in demanding environments. Can be used with shoulder strap NTN5243.

RLN5384 Leather Carry Case With High Activity 2.5 inch Swivel Belt Loop Swivel design moves from side to side to accommodate the user's position. Holds case securely to belt loop while allowing easy removal of the radio.

RLN5385 Leather Carry Case With High Activity 3 inch Swivel Belt Loop Similar to RLN5384 except with a wider 3 inch belt loop for wider belts. Holds case securely to belt loop while allowing easy removal of the radio.

HLN9701 Nylon Carry Case With Belt Loop & D-Shaped Rings Ideal solution for those users who want a light weight carrying accessory combined with the protection of a carry case. Universal design for nonkey pad and keypad radio models. Can be used with shoulder strap NTN5243

CARRY CASES FOR KEYPAD RADIOS

RLN5498 Leather Carry Case With Belt Loop & D-Shaped Rings Protects radio in demanding environments. Can be used with shoulder strap NTN5243.

RLN5496 Leather Carry Case With High Activity 2.5 inch Swivel Belt Loop Swivel design moves from side to side to accommodate the user's position. Holds case securely to belt loop while allowing easy removal of the radio.

RLN5497 Leather Carry Case With High Activity 3 inch Swivel Belt Loop Similar to RLN5384 except with a wider 3 inch belt loop for wider belts. Holds case securely to belt loop while allowing easy removal of the radio.



RLN5385



RLN5383



HLN9701



UNIVERSAL CARRYING ACCESSORIES

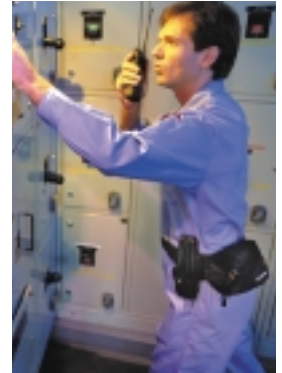
- HLN6602** Universal Carrying Chest Pack
Designed with radio holder, pen holder and velcro secured pocket for spare batteries, tools, and other communication devices. Can be comfortably worn on the chest with adjustable straps to fit most body sizes.
- 1505596Z02** Replacement Strap for HLN6602
- RLN4815** Universal RadioPAK™
Comfortable, useful and stylish, it can be worn round the waist to hold the radios. Includes a separate 6" x 8" zippered pouch to hold the other on-the-job necessities. Adjustable nylon weave belt that is suitable for both men and women.
- 4280384F89** RadioPAK Extension Belt. For waists larger than 40 inch.
- NTN5243** Shoulder Carry Strap
Attaches to D-strap rings on carry case for users wearing overall without belt.



HLN6602



NTN5243



OPTIONAL CARRYING ACCESSORIES

- HLN9985** Waterproof Bag
Protect radio where potential water damage is a concern.
- RLN5644** Low Profile Belt Clip (standard radio package)
Included in radio package, low-profile clip design to provide comfortable feel on the radio. Secure to 1.5 inch (max) belt width.
- HLN8255** Belt Clip (for use with 3 inch belt width).
- RLN5716** Replacement T-Strap for Leather Cases.
- 4280483B03** Replacement 2.5 inch Swivel Belt Loop
- 4280483B04** Replacement 3 inch Swivel Belt Loop



RLN5644



RLN4815

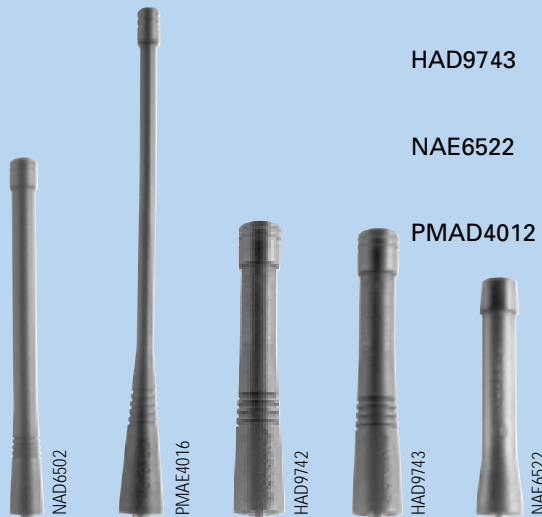
Antenna

Injection molded for rugged environments. Each antenna is tested and tuned to give maximum power and performance.

Flexible Heliflex and Whip Antenna

Flexible antennas have a one-piece finish and steel core for optimal radiation characteristics. Provide more comfort when radio is worn with the belt.

- HAD9338** VHF Heliflex Antenna
136 – 162 MHz
- NAD6502** VHF Heliflex Antenna
146 – 174 MHz (13 cm)
- PMAE4016** UHF Whip Antenna
403 – 520 MHz (16 cm)
- PMAD4014** VHF Heliflex Antenna
135 - 155 MHz (14 cm)



Stubby Antenna

This stubby quarter wave antenna is ideal when radio is worn with the belt as the short antenna is non-obtrusive

- HAD9742** VHF Stubby Antenna
146 – 174 MHz (9 cm)
- HAD9743** VHF Stubby Antenna
162 – 174 MHz (9 cm)
- NAE6522** UHF Stubby Antenna
438 – 470 MHz (10 cm)
- PMAD4012** VHF Stubby Antenna
136-155 MHz (9 cm)



MOTOROLA

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