



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.

Table of Content

Batteries	3
Chargers	3
Remote Speaker	
Microphone	4
Standard Earpiece/Earset	5
Headset	6
Surveillance Kits	7
Ear Microphone System	8
Specialty Accessories	9
Carrying Accessories	10
Antenna	11



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
---------	---



HMN9013



BDN6647



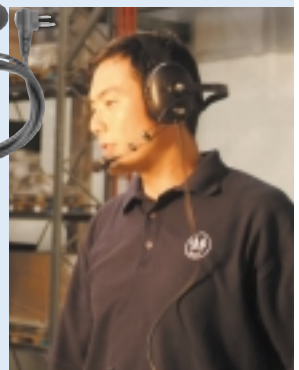
PMLN4445



RLN5411



HMN9021



BDN6648

SURVEILLANCE KITS

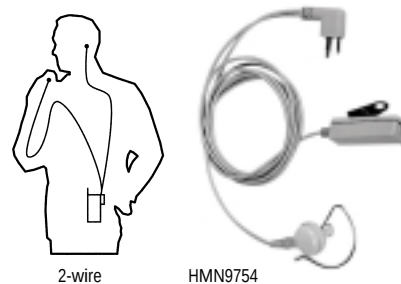
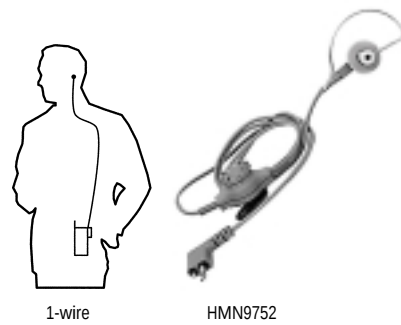
Surveillance kits are unobtrusively designed, making them the ideal audio accessories for effective communication in covert operations.

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.



CLEAR COMFORTABLE EARPICES

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.



BDN6646



OPTIONAL ACCESSORIES FOR EAR MICROPHONE SYSTEM

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



0180358B38



0180300E83

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.

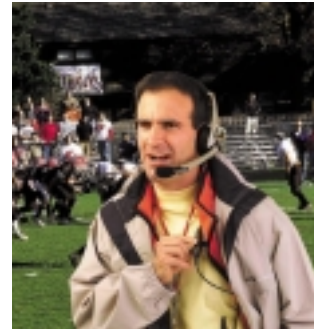
PMLN5003	Retail Temple Transducer Headset Ideal for light-duty, indoor use and comes with a 6 month warranty. Specially designed for Retail Outlets, Restaurants, Event management.
PMLN5011	Temple Transducer Headset Ideal for manufacturing facilities, public safety professionals and service industries.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

ACCESSORY RETAINER CLIP

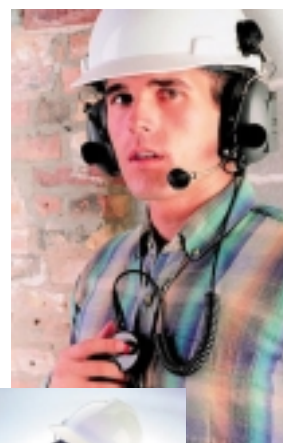
RLN5500	Accessory Retainer Clip Holds audio accessory securely to the radio.
---------	---



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



RLN5385



RLN5383



HLN9701

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.



UNIVERSAL CARRYING ACCESSORIES

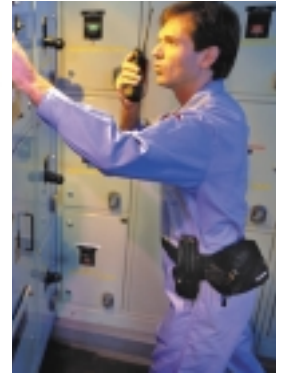
- HLN6602** Universal Carrying Chest Pack
Designed with radio holder, pen holder and velcro secured pocket for spare batteries, tools, and other communication devices. Can be comfortably worn on the chest with adjustable straps to fit most body sizes.
- 1505596Z02** Replacement Strap for HLN6602
- RLN4815** 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

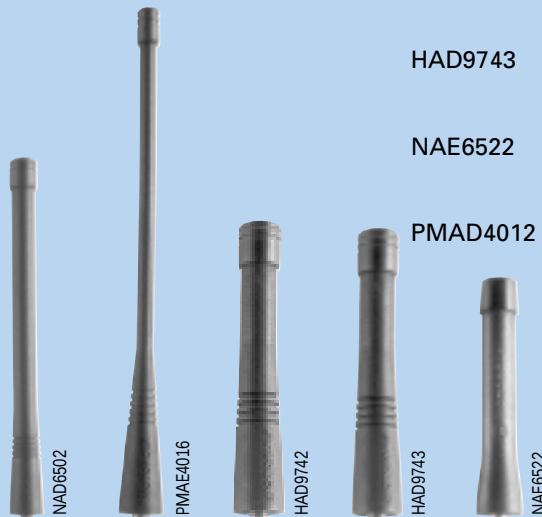
Antenna

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

Motorola Electronics Pte Ltd
Motorola Innovation Centre - Level 7
12 Ang Mo Kio Street 64 Ang Mo Kio Industrial Park 3
Singapore 569088
www.motorola.com/governmentandenterprise

MOTOROLA and the Stylized M Logo are registered in the U.S. Patent and Trademark Office. All other product or service names are the property of their registered owners. © Motorola, Inc. 2007

AF3-06-004Rev3