

## Portable Radio: GP3188/3688



### Antennas

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

#### Flexible Whip Antennas

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

PMAE4016      UHF Whip Antenna 403 - 520 MHz

#### Helical Antennas

Helical antennas are sturdy and dependable for years of fail-safe communication. Each antenna is designed and built to quality standards. The skirt at the base of the connector helps to seal out damaging elements. Connector is made of plated brass material for long life.

NAD6502      VHF Heliflex Antenna, 146-174 MHz  
NAE6522      UHF Heliflex Antenna 438 - 470 MHz (Stubby)  
8505816K26A    460-512 MHz Heliflex

#### Stubby Antennas

This stubby quarterwave antenna is ideal when radio is worn on the belt because the short antenna is non-obtrusive.

HAD9742      VHF Stubby Antenna, 146 - 174 MHz  
HAD9743      VHF Stubby Antenna, 162 - 174 MHz

### Audio Accessories

Motorola's range of audio accessories integrates perfectly with Motorola radio to provide a personalised two-way radio solution. Built with the highest quality standards, Motorola accessories are specially engineered to assure maximum performance of your radio. Designed as a complete solution, our extensive range of audio accessories from remote speaker microphones, headsets to surveillance kits will provide you the flexibility for hands-free operations to enhance your work productivity.

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### Speaker Microphone

Remote Speaker Microphone provides greater operational flexibility to transmit and receive message without removing the radio from the belt or carrying case.

### Remote Speaker Microphone

- PMMN4013 Remote Speaker Microphone with 3.5 mm Audio Jack. In addition to having windporting technology, the RSM also includes a 3.5 mm audio jack to accept secondary receiver audio accessories for discrete communication.
- PMMN4014 Remote Speaker Microphone Basic without Jack. The remote speaker microphone boasts a revolutionary windporting feature that dramatically lessens background noise from high winds which allows radio communication in high wind environment.
- PMMN4029 Remote Speaker Microphone without Audio Jack (IP57) Dual Pin. The RSM incorporates both wind porting technology and waterproof capability. The IP57 submersible RSM is tested at 1 meter for 30 minutes which is ideal for outdoor radio communication in wet conditions.

### Optional Remote Speaker Microphone Accessory

- AARLN4885 The In-ear earbud that attaches to the RSM, allows user to receive incoming radio communications discretely.
- PMLN4620 The Over-the-ear D-Shell earpiece that attaches to the RSM, allows user to receive incoming radio communications discretely.
- RLN4941 The In-ear acoustic tube earpiece that attaches to the RSM, allows user to receive incoming radio communications discretely in fairly noisy environment.
- WADN4190 The Over-the-ear D-Hook earpiece that attaches to the RSM, allows users to receive incoming radio communications discretely.

### Standard Earpiece/Earset

Cost effective standard earpiece that enhances user productivity by allowing the user to use the radio without removing it from the carrying case. These accessories can also be used with remote speaker and public safety microphone to provide private listening feature.

### Flexible Ear Receiver

- BDN6720 Flexible Ear Receiver
- PMLN4443 Ear Receiver with In-Line Mic/PTT/VOX switch (MAG ONE)

### Earbud Style Earpiece

The earbud fits snugly into the ear canal with high quality foam that provides high audio clarity and audio discretion leading to high voice quality.

- PMLN4294 Earbud with Combined Microphone/PTT
- PMLN4442 Earbud with In-Line Mic/PTT/VOX switch (MAG ONE)
- HLN9132 Earbud
- PMLN5807 Swivel Earpiece W Mic/PTT MAGONE

### Earset

- PMMN4001 Earset with Boom Mic and In-Line PTT

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### D-Hook Earset with Flexible microphone tube

D-Hook Earset with flexible microphone tube secures nicely to the ear. A slim and flexible microphone tube make its unobtrusive and allows user to bend or swivel to his/her preference.

PMLN4658	D-hook Earset with flexible microphone tube
PMLN5001	D-style earset with combined microphone/in-line PTT (Dual pin)

### Surveillance Kits

Surveillance accessories allow the user to privately receive communications with the earpiece and are ideal in environments that require discrete communications.

#### Covert Surveillance Kits

Surveillance earpiece can be easily concealed and camouflaged to allow discrete communications. Surveillance kits also come with microphone and PTT. The earpiece is designed to allow user to use optional accessories to enhance its operational capability.

HMN9727	1-Wired Surveillance Earpiece Beige (without volume control) Dual Pin
HMN9752	1-Wired Surveillance Earpiece with volume control Beige (Dual pin)
HMN9754	2-Wired Surveillance Earpiece with combined Mic/PTT Beige (Dual pin)
RLN4894	1-Wired Surveillance Earpiece Black (without volume control)
RLN4895	2-Wired Surveillance Earpiece with Combined Microphone/PTT (Black)
RLN5198_P	2-Wired Surveillance Kit with Acoustic Tube (beige - Retail Pack - HMN9754 + RLN6232)
PMLN4606	2-Wire Surveillance Kit with Clear Acoustic Earpiece (dual pin)

#### Surveillance Kit Accessories

5080369E38	Standard Earpiece Assembly (Earphone, Ear-loop, Eartip), Beige
5080369E39	Extra Loud Earpiece Assembly (Earphone, Ear-Loop, Eartip), Beige
5080369E40	Plastic Urethane Earloop
5080370E97	Eartip Standard Clear

#### Noise Kit

Lightweight translucent tube attaches to Motorola surveillance accessories. Clothing clip prevents the accessory from being pulled from the ear due to body movement or head rotation.

5080384F72	Replacement Foam Plugs; pack of 50
RLN6242	Quick Disconnect Acoustic Tube Replacement
RLN6231	Extreme Noise Kit. Includes 2 Foam Ear Plugs for Noisy Environments and provides 24dB of Noise Reduction. (Beige)
RLN6230	Extreme Noise Kit. Includes 2 Foam Ear Plugs for Noisy Environments and provides 24dB of Noise Reduction. (Black)
RLN6241	Low Noise Kit. Includes Rubber Ear Tip for Low Noise Environments. (Beige)
RLN6232	Low Noise Kit. Includes Rubber Ear Tip for Low Noise Environments. (Black)
PMLN4605	Optional Clear Acoustic Kit attached to Improved Kits: PMLN4294D/PMLN4418B/PMLN4519B/FTN6707

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### 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 RLN6232A and all 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

### Headset

Headsets allow high clarity, hands free, discrete two-way communications and thus are great productivity tools. Users can chose from Medium Weight Headsets to Heavy Duty Headsets with noise reducing ratings.

### Light Weight Headset

Light weight headsets allow high-clarity, hands-free, two-way communications while adding comfort for extended wear in moderate noise environments. Suitable for entertainment, retail, sport and leisure industries.

BDN6647	Light Weight Single Speaker Headset with Boom Microphone (Dual pin)
HMN9013	Light Weight Headset with Swivel Boom Microphone (without VOX) (Dual pin)
PMLN4445	Ultra-Light Headset with Boom Mic And In-Line PTT/VOX Switch (MAG ONE)
PMLN5808	Breeze HS W Boom Mic & PTT MAGONE
RLN5238	NFL ® Style Light Weight Headset
RLN5411	Ultra-Lite Breeze Behind the Head Headset with in-line PTT
RMN4016	Light Weight Headset W/Swivel Boom Mic

### Audio VOX Adapter

Compatible with headsets HMN9013 & BDN6647, the external VOX adapter allows complete hands-free operation with the radio without the need to activate the Push-to-Talk.

HLN9133	External VOX Adapter
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### Medium Weight Headset

Medium weight headsets offer high-clarity sound with the additional hearing protection necessary for providing consistent, clear two-way radio communications in harsh, noisy situations. These headsets have noise reduction rating of 24 dB.

HMN9021	Medium Weight Over-The-Head Dual Muff Headset
HMN9022	Medium Weight Behind-The-Head Dual Muff Headset

### Heavy Duty Headset

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Heavy duty headsets include noise cancelling boom microphones and can be worn with or without a hardhat. Headsets are for use in noise levels up to 125 dB. The Push-to-Talk switch is located on the earcup. The VOX module is contained within the head-set on voice activated units.

PMLN5277	Behind the Head Heavy Duty Headset with Noise Cancelling Boom Microphone
75012068001	Foam Ear Seal
15012094001	Replacement cloth Cover for ear seals
4204004K01	Over the Head Strap
6775998M01	Mic O-Ring
3578010A01	Headset Windscreen
7575999M01	Eyeglass Pad

### Hardhat Mount Headsets

RKN4094	Hardhat Mount and Tactical Headset Cable of In-line PTT adapter for use with RMN4051 RMN4053 RMN4052, RMN4055
RMN4051	Hardhat Mount Headset; Provides 22db of Noise Reduction; Dual-Muff (Adapter Cable Required and Sold Separately)

### Tactical Medium Weight Headsets

RMN4052	Tactical Headband Style Headset with Boom Mic Grey ;Noise Reduction Rating of 24db; (adapter cable required and sold separately )
RMN4053	Tactical Hardhat Mount Headset, Grey; Noise Reduction Rating of 22db;(adapter cable required and sold separately)
RKN4094	Hardhat Mount and Tactical Headset Cable of In-line PTT adapter for use with RMN4051 RMN4053 RMN4052, RMN4055

### Temple Transducer

The temple transducer allows the user to hear external sounds from both ears while receiving radio communications in noisy environments. The receiver portion of the accessory rest on the temples and is capable of converting the received signal from a two-way radio into sound vibrations. The sound vibration is transmitted through surrounding human tissue and bone directly into the inner ear where it is received by the user. User wearing ear plugs still can "hear" the radio messages.

PMLN5003	Retail Temple Transducer Headset (Dual Pin)
PMLN5011	Temple Transducer Headset (Dual Pin)
RMN4055	Receive-Only Headband Style Headset with 3.5mm right angle plug. (adapter cable required and sold separately)
RKN4094	Hardhat Mount and Tactical Headset Cable of In-line PTT adapter for use with RMN4051 RMN4053 RMN4052, RMN4055
RMN5047	NFL Style Heavy Duty Headset (Dual pin)
0180305J46	Training CD for Ear Mic and Temple Transducer
RLN5500	Accessory Retainer Clip. Holds audio accessory securely to radio.

## Batteries

Motorola Original batteries are available in a variety of chemistries and capacities, designed to work hand in hand with your 2-way radios to ensure optimised performance and safety for your business. Motorola design batteries giving utmost importance to safety by using redundant safety circuits. Motorola pays close attention to details(latch mechanism, belt clip, battery housing to prevent unwanted disengagement and

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accidental damage. Motorola uses advanced manufacturing processes to ensure consistent battery performance. High graded pre-sorted cells are used ensuring superior quality and reliable battery.)

### Nickel Metal Hydride (NiMH)

NNTN4851	NiMH, 1400 mAh 7.2V (without Belt Clip)
PMNN4098	NiMH, 1400 mAh 7.2V (without Belt Clip)

### Lithium Ion (Lilon)

NNTN4497	Lilon, 2250 mAh (without Belt Clip)
NNTN4970	Lilon, 1600 mAh (without Belt Clip)
PMNN4450	2800mAh Core Lilon battery

## Battery Maintenance System Plus (BMS Plus)

Using interchangeable battery adapters (sold separately), the BMS Plus is capable of charging and discharging, analyzing, conditioning and cycle test on batteries; tracks battery voltage and capacity (mAh). Latest enhancement includes software upgrade on the equipment to safely charge and analyse Lithium Ion batteries using specified Lilon adapters. This six station BMS Plus can support hundreds of 2-way, cellular and camcorder batteries.

WPLN4079	Six station, BMSPlus, 110V AC, 50/60Hz - US cord (order battery adapter separately)
WPLN4080	Six station, BMSPlus, 230V AC, 50/60Hz - Euro cord (order battery adapter separately)
WPLN4081	Six station, BMSPlus, 230V AC, 50/60Hz - UK cord (order battery adapter separately)
WPPN4085	Lilon Field Upgrade Kit (microP, extraction tool, manual) - For upgrading of WPLN4079AR / 4080AR / 4081AR

### BMS Plus Battery Adapters #

RRDN5770	Battery Adapter (for use with NiCD batteries)
RRDN6080	Battery Adapter (for use with NiMH only)
RRDN5768	Battery Adapter (for use with Lilon only)

# belt clip may need to be removed from the battery to fit the adapters

## Carrying Accessories

Hard leather, soft leather and nylon carry cases secure and protect radio.

### Carry Cases

HLN9701	Nylon Case with Belt Loop and D-Shaped Rings (not suitable for Ultra High Cap Batteries & Impres Batteries)
RLN5383	Non-DTMF Leather Carry Case with Belt Loop and D-Shaped Rings
RLN5384	Non-DTMF Leather Carry Case with High Activity 2.5" Swivel Belt Loop
RLN5385	Non-DTMF Leather Carry Case with High Activity 3" Swivel Belt Loop
RLN5496	DTMF Hard Leather Carry Case w/2.5" Swivel Belt Loop
RLN5497	DTMF Hard Leather Carry Case w/3" Swivel Belt Loop
RLN5498	DTMF Hard Leather Carry Case w/Belt Loop & D-shaped Rings
RLN5640	LTD. DTMF Hard Leather CC w/Belt Loop & D-shaped Rings
RLN5641	LTD. DTMF Hard Leather CC w/2.5" Swivel Belt Loop

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RLN5642 LTD. DTMF Hard Leather CC w/3" Swivel Belt Loop

### Optional Carry Accessories

#### Waterproof Bag

HLN9985 Waterproof Bag, includes large carrying strap

#### Belt Clips

Belt clips are tested with strong pulling forces so to prevent radios from slipping away from user's belts even in harsh environments.

HLN8255 Spring Action Belt Clip, 3"

RLN5644 Belt Clip, Low Profile (for 1.5 in. belt width)

#### Carrying Straps

NTN5243 Adjustable Black Carrying Strap, attaches to D Rings on Case

#### RadioPAK

It's different from all other holders or cases: more comfortable, more useful and more stylish. Worn around the waist, it holds two-way, iDEN portables or cellular phones right at hand. Includes a separate 6"x8" zippered pouch for other on-the-job necessities. Adjustable nylon weave belt; fits both men and women.

RLN4815 RadioPAK™ Radio/Utility Case

4280384F89 Universal RadioPAK™ Belt Lengthener; fits waists larger than 40"

### Chargers/Vehicular Accessories

Designed to work as a total system with the 2-way radio and the battery, Motorola original chargers keep your battery in tip-top condition and maximise battery life.

#### Single Unit Trichemistry Chargers, Rapid Rate

Trichemistry chargers support NiCd, NiMH and Lilon batteries rapid charging.

AZWPLN4138 Desktop Rapid Charger w/US NA Plug

AZWPLN4139 Desktop Rapid Charger w/Euro Plug

AZWPLN4140 Desktop Rapid Charger w/UK Plug

#### Multi Unit Chargers (MUC)

These new multi-unit chargers can charge up to six individual batteries or radio/battery combination in approximately one hour. An external 110-230V power supply with different power cords cater for the different market requirements. Ideal for large fleet, multi-shift or centrally located work group operations. Besides desktop use, it can also be wall mounted to save space via an optional bracket. The new multi unit chargers also come with interchangeable charger slots.

PMLN6588 Rapid Charger MUC 120V w/US Plug

PMLN6598 Rapid Charger MUC 220V w/Euro Plug

PMLN6600 Rapid Charger MUC 220V w/UK Plug

PMLN6592 Rapid Charger MUC 220V w/KOREA Plug

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NNTN8460      UNIV MUC, ELP insert

### **Portable Radio Hanger**

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, easy mounting. Two sizes are available to fit door panels.

TDN9327      Portable Radio Hanger for door panels up to 2.75 in. width

TDN9373      Portable Radio Hanger for door panels from 2.75 in. to 3.25 in. width