

Portable Radio: GP328 Plus/GP338 Plus



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.

PMAD4023	VHF Whip Antenna 150-161 MHz
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.

NAD6579	VHF Helical Antenna 148 - 161MHz
PMAD4009	9cm Helical Antenna 336 - 368 MHz
PMAD4014	VHF 14cm Antenna 136 - 155 MHz
PMAD4015	VHF 14cm Antenna 155 - 174 MHz
PMAD4020	9cm Helical Antenna 370 - 400 MHz
PMAE4002	UHF 9cm Helical Antenna 403 - 433 MHz
PMAE4003	UHF 9cm Helical Antenna 430 - 470 MHz
PMAE4006	UHF 9cm Helical Antenna 465 - 495 MHz
PMAE4007	UHF 9cm Antenna 490 - 527 MHz

Stubby Antennas

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

PMAD4012	VHF Stubby Antenna 136-155 MHz
PMAD4013	VHF Stubby Antenna 155-174 MHz
PMAD4025	VHF 9cm Stubby Antenna 150-161 MHz

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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.

Speaker Microphone

Remote Speaker Microphone

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

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| PMMN4022 | 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. |
| PMMN4023 | Remote Speaker Microphone without Audio Jack (IP57). 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 Accessories

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| AARLN4885 | Receive Only Earpiece with 3.5mm |
| PMLN4620 | D-SHELL Receive Only Ear Receiver with 3.5mm plug |
| RLN4941 | Receive Only Earpiece with 3.5mm transparent tube and rubber eartip |
| WADN4190 | Receive Only Flexible Earpiece |

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. Suitable for retail, hotel and commercial services.

Flexible Ear Receiver

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| BDN6719 | Ear Receiver with 3.5 mm Threaded Plug
Requires adaptor PMLN4455 |
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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.

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| BDN6780 | Single Earbud with Microphone and Push-To-Talk
Requires adaptor PMLN4455 |
| PMLN4519 | Earbud with combine Mic/PTT |

D-Hook Earset

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

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PMLN4657	D-hook Earset with flexible microphone tube
PMLN5002	D-Style Earpiece with Mic/PTT (GP328+ Professional Radios)

Surveillance Kits

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

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 users to use optional accessories to enhance its operational capability.

PMLN4608	2-Wire Surveillance Kit with Clear Acoustic Earpiece (professional-mini)
PMLN4999	2-Wire Surv Earpiece Black
PMLN4998	2-Wire Surv Earpiece Beige

The following surveillance accessories require the radio adaptor PMLN4455 that attaches to the radio.

BDN6726	1-wire Surveillance Earpiece Black (3.5mm threaded) (Requires adaptor order separately)
BDN6727	1-wire Surveillance Extra Loud Earpiece Black (3.5mm threaded) (Requires adaptor order separately)
BDN6728	1-wire Surveillance Earpiece with volume control Black (3.5mm threaded) (Requires adaptor order separately)
BDN6664	1-wire Surveillance Earpiece Beige (3.5mm threaded) (Requires adaptor order separately)
BDN6665	1-wire Surveillance Extra Loud Earpiece Beige (3.5mm threaded) (Requires adaptor order separately)
BDN6666	1-wire Surveillance Earpiece with volume control Beige (3.5mm threaded) (Requires adaptor order separately)
BDN6667	2-wire Surveillance Earpiece with combined Mic/PTT Beige (3.5mm threaded) (Requires adaptor order separately)
BDN6668	3-wire Surveillance Earpiece with separate Mic/PTT Beige (3.5mm threaded) (Requires adaptor order separately)
BDN6669	2-wire Surveillance Extra Loud Earpiece with combined mic/PTT Beige (3.5mm threaded) (Requires adaptor order separately)
BDN6670	3-wire Surveillance Extra Loud Earpiece with separate mic/PTT Beige (3.5mm threaded) (Requires adaptor order separately)
BDN6729	2-wire Surveillance Earpiece with combined Mic/PTT Black (3.5mm threaded) (Requires adaptor order separately)
BDN6730	3-wire Surveillance Earpiece with separate Mic/PTT Black (3.5mm threaded) (Requires adaptor order separately)
BDN6731	2-wire Surveillance Extra Loud Earpiece with combined mic/PTT Black (3.5mm threaded) (Requires adaptor order separately)
BDN6732	3-wire Surveillance Extra Loud Earpiece with separate mic/PTT Black (3.5mm threaded) (Requires adaptor order separately)

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.

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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

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

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 Customer Earpiece, Right Ear used with NTN8371A
RLN4761	Medium Customer Earpiece, Right Ear used with NTN8371A
RLN4762	Large Customer Earpiece, Right Ear used with NTN8371A
RLN4763	Small Customer Earpiece, Left Ear used with NTN8371A
RLN4764	Medium Customer Earpiece, Left Ear used with NTN8371A
RLN4765	Large Customer Earpiece, Left Ear used with NTN8371A

Completely Discreet Earpiece

Remain discretely in touch with this miniaturized receiver. All messages received through the user's two-way radio are inductively relayed to the wireless earpiece in the user's ear. Inductive neckloop is easily hidden under the user's clothing for covert operations. Neckloop attaches to the user's surveillance kit providing completely discrete two-way communications. Security operatives, public safety officials, and private investigators can communicate with ease without any visible equipment. Small as it is, it offers a full range of audio functions including automatic squelch, automatic gain control and noise filtering. Must be used in conjunction with a Motorola surveillance kit. Just remove the earpiece on any standard 2 or 3 wire surveillance kit and plug in the neckloop for completely discrete communication.

RLN4922	Complete Discreet Earpiece (Consists of Wireless Earpiece, Inductive Neckloop, 6 Spare Batteries and 5 Spare Ear Wax Guards)
RLN4005	1.4 V Battery, Pack of 6
RLN4919	Ear Wax Guards, Pack of 5

Headset

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

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Light Weight Headset

Light weight headsets allow high-clarity, hands-free, two-way communications while adding comfort for extended wear in moderate noise environments.

JMMN4066	Light Weight Headset with boom microphone and in-line PTT
NMN6245	Light Weight Headset (Requires adaptor-order separately)
NMN6246	Ultralite Headset with Boom Microphone and In-line PTT Switch, ear bud style receiver (Requires adaptor-order separately)
RLN5590	Light Weight Headset with Boom Mic (VOX compatible)

Heavy Duty Headset

Heavy duty headset includes 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.

PMLN5320	Behind the Head Heavy Duty Headset with Noise-Canceling 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

Ear Microphone System

Conventional microphones pick up both the user's speech and the ambient noise in outgoing radio transmission. The compact Ear Microphone System, on the other hand, picks up mainly speech-induced vibrations in the ear canal. The bone vibrations come from the speech impulses generated by the user's vocal chords. The ambient noise rarely gets into such microphone. This provides a very clear voice signal (with minimal ambient noise pickup) in outgoing radio transmissions. The miniature earpiece also leaves the hands free and face unobscured when worn by rescue and hazard protection personnel, who still retain the ability for direct hearing and speaking. For personnel required to wear breathing apparatus, communications with protective masks are as clear as communications without. And its high speech clarity under noisy environments makes it ideal for high noise environments. This kit also come with optional add-ons: Ring PTT and Body PTT.

Radio Interface

JMMN4064	Ear Microphone VOX/PTT Radio Interface Module
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Ear Microphone

BDN6768	Standard Ear Microphone, Black (For Noise Levels Up to 95 dB)
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Optional Accessories for Ear Microphone System

0180300E83	Remote PTT Body Switch
0180300E25	Earholder Universal Black
0180358B32	Earholder Small Black
0180358B33	Earholder Medium Black
0180358B34	Earholder Large Black

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0180358B36	Earholder Medium Clear
0180358B37	Earholder Large Clear
0180358B38	Remote PTT Ring Switch

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.

PMLN4585	Temple Transducer Headset with Boom Microphone (in-line PTT)
0180305J46	Training CD for Ear Mic and Temple Transducer

Accessory Adapter

PMLN4455	Audio Adapter 3.5mm Threaded (use with Visar audio accessories)
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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 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.)

Lithium Ion (Lilon)

JMNN4023	Lilon, 1000 mAh Slim
JMNN4024	Lilon, 1500 mAh Hi Cap
PMNN4073	Lilon, 1350 mAh FM IP67

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

WPPN4096	Battery Adapter (for use with Lilon batteries JMNN4023/ JMNN4024 and NiMH FM approved battery JMNN4025)
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Carrying Accessories

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

Carry Cases For Radio with all battery sizes

PMLN4421	Soft Leather Carrying Case with fixed swivel clip (Non Keypad)
PMLN4470	Hard Nylon Case with Swivel Belt Loop (D-Ring) for all Batteries (Non Keypad)
PMLN4471	Hard Leather Case with Swivel Belt Loop (D-Ring) for all Batteries (Non Keypad)
PMLN4520	Hard Leather Case with Detachable Swivel Belt Loop & D-Ring for all Batteries (Keypad Model)
PMLN4521	Soft Leather Case with Fix Swivel Belt clip & D-Ring for all Batteries (Keypad Model)

Optional Carry Accessories

Waterproof Bag

HLN9985	Waterproof Bag, includes large carrying strap
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Carrying Straps

NTN5243	Adjustable Black Carrying Strap, attaches to D Rings on Case
JMZN4020	Radio Handstrap

Chest Packs

Allows portable radio to be mounted on chest.

HLN6602	Universal Chest Pack with Radio Holder, Pen Holder, and Velcro Secured Pocket.
1505596Z02	Replacement Strap for HLN6602

Holster

JMZN4023	Plastic Holster with Swivel Belt Clip
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Break-a-Way Chest Pack

RLN4570	Break-A-Way Chest Pack
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Belt

4200865599	3.0" Wide Black Belt
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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"

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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

Utilises an enhanced tri-chemistry charging algorithm that helps maximise the life of your batteries. Compatible for NiCd, NiMH and Lilon batteries and will fast charge in approximately one hour for the nickel-based batteries. Full charging of the Lilon battery may take approximately 3 hours. Allows battery only or radio/battery combination charging.

PMTN4024	110V, US-plug, Tri-Chem (NiCd,NiMH,Lilon)
PMTN4025	230V, EU-plug, Tri-Chem (NiCd,NiMH,Lilon)
PMTN4026	230V, UK-plug, Tri-Chem (NiCd,NiMH,Lilon)

Impres Single Charger

AZWPLN4182	impres™ Single Unit Charger, US 2 Pin
AZWPLN4183	impres™ Single Unit Charger, UK 3 Pin
AZWPLN4184	impres™ Single Unit Charger, EU 2 Pin

Multi Unit Chargers (MUC)

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.

WPLN4187	impres™ MUC, Non-Display, 110-230V, US Cord
WPLN4188	impres™ MUC, Non-Display, 110-230V, UK Cord
WPLN4189	impres™ MUC, Non-Display, 110-230V, EU Cord
WPLN4146	impres™ MUC, Non-Display, 110-230V, KOREAN Plug
WPLN4145	impres™ MUC, Display, 110-230V, KOREAN Plug
WPLN4192	impres™ MUC, Display, 110-230V, US Cord
WPLN4193	impres™ MUC, Display, 110-230V, UK Cord
WPLN4194	impres™ MUC, Display, 110-230V, EU Cord
NLN7967	Wall Mounting Bracket