

# ***Motorola Two-Way Portable Radio***

## Accessory and Battery Catalog



### **PORTABLE RADIOS**

VL50™

DTR550™/DTR650™

BPR™ 40

CP100

CP110

# Motorola Quality...

## *exceptional dependability*



Motorola Original®  
accessories provide  
custom radio systems.

Risk-taking has its place in the business world, but not with your vital communication needs. A mismatched battery, a flimsy headset or an ill-fitting carry case are just some of the ways your radio may not be ready at the moment you need it.

That's why Motorola Original accessories are your only option for making the most of your radio's capabilities. Every accessory in this catalog is performance-matched for Motorola radios... designed, built and rigorously tested to meet the same exacting quality standards. So they provide not only enhanced functionality, but also exceptional reliability in real-life usage.

On the following pages, you'll find proven accessory solutions to help you work harder and smarter. Remote speaker microphones for more convenient control. Carry cases for ease of use when on the move. Earpieces to ensure privacy. Headsets for hands-free operation. High-capacity batteries to extend work time, and more. Because they all carry the Motorola Original name, they're solutions you can count on.



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### Education

A Lightweight Headset makes it convenient and comfortable to manage administration duties or contact colleagues from across the campus.

### Security

A Remote Speaker Microphone lets security professionals respond instantly without need to reach for the radio controls.

### Hospitality

Whether you're coordinating staff or making a last-minute room change an Ultra-lite Headset keeps your hands free.

### Retail

An Earpiece with Microphone makes it easier for each employee to communicate instantly — from price checks to stocking questions.

# portable radio: audio

VL50, DTR550, DTR650, BPR 40,  
CP100, CP110



HMN9051A

## Remote Speaker Microphone

The Remote Speaker Microphone is a water-resistant compact unit that allows talking and listening without removing the radio from the belt or case. It has a coiled cord, Push-to-Talk switch, and clothing clip on microphone back.

**VL50, DTR550, DTR650, CP100**

HMN9051A Remote Speaker Microphone

**BPR 40**

PMMN4008A Mag One Remote Speaker Microphone

## Windporting Remote Speaker Microphones (RSM)

These Remote Speaker Microphones have a 6-foot coiled cord assembly, swivel clip and quick disconnect latch. The windporting feature dramatically lessens background noise from high winds and other severe weather conditions. IP57 Submersible model tested at 1 meter for 30 minutes.

**CP110**

PMMN4013A Remote Speaker Microphone with 3.5mm audio jack

PMMN4029A Remote Speaker Microphone, IP57 Submersible

## Remote Speaker Microphone Audio Accessories

The following earpieces are compatible with all Remote Speaker Microphones with a 3.5mm audio jack on the head of the microphone.

**CP110**

RLN4941A\* Receive-Only Earpiece with Translucent Tube and Rubber Eartip

AARLN4885B\* Receive-Only Covered Earbud

WADN4190B\* Receive-Only Flexible Earpiece

PMLN4620A Receive-Only D-Shell Earpiece



PMLN4620A



PMMN4008A



PMMN4013A



AARLN4885B



WADN4190A



RLN4941A

## Flexible Ear Receiver

This receive only earpiece contains a flexible earloop and speaker which rests external to the ear. Black, without volume control.

**CP100**

HMN9040A Flexible Ear Receiver

**CP110**

BDN6720A Flexible Ear Receiver

7580372E11 Replacement Foam Ear Cushion for BDN6720A.



BDN6720A

\*Intrinsically Safe

# portable radio: audio

VL50, DTR550, DTR650, BPR 40,  
CP100, CP110



## Pellet and D-Style Earpieces

Pellet-style earpieces allow users to receive communication discreetly and are comfortable for extended-wear use.

### CP110

- HLN9132A Receive-Only Earbud
- HMN9036A Earbud with Clip Microphone and Push-to-Talk

### BPR 40

- PMLN4294D Earbud with Microphone and Push-to-Talk Combined

## Earpieces and Mag One Earpiece Accessories

Comfortable for extended wear, these compact and durable accessories are barely visible and allow users to receive communication discreetly in low-noise environments.

### VL50, DTR550, DTR650

- 56517 Earpiece with Inline Microphone and Push-to-Talk
- 56518 Earpiece with Boom Microphone

### BPR 40, CP110

- PMLN5001A D-Style Earpiece with In-line Microphone and Push-to-Talk
- PMLN4442A Mag One Earbud with In-line Microphone and Push-to-Talk/VOX Switch
- PMLN4443AB Mag One Ear Receiver with In-line Microphone and Push-to-Talk/VOX Switch
- PMLN4444A Mag One Earset with Boom Microphone and In-line Push-to-Talk/VOX Switch
- PMLN4445A Mag One Ultra Lightweight Headset with In-line Push-to-Talk/VOX Switch



## Ultra-lite Earpieces and Headsets

Small and lightweight, the earpieces fit comfortably in or on the ear.

### VL50

- 53815 Ultra-lite Headset with Boom Microphone

### VL50, DTR550, DTR650, CP100

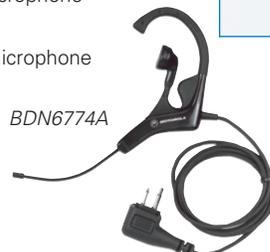
- BDN6774A Ultra-Lite Earpiece with Microphone and Push-to-Talk

### DTR550, DTR650

- RLN5580 Ultra-lite Headset with Boom Microphone

### CP110

- PMMN4001A Ultra-Lite Earpiece with Boom Microphone and In-line Push-to-Talk



# portable radio: audio

VL50, DTR550, DTR650, BPR 40,  
CP100, CP110

## 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 are receive only, while 2-Wire Surveillance kits provide 1 wire for receiving and 1 wire with combined microphone and push-to-talk functionality.

### 1-WIRE SURVEILLANCE KITS

#### CP110

- HMN9752B\* Receive-Only Earpiece with Volume Control, Beige.
- HMN9727B\* Receive-Only Earpiece, Beige.
- RLN4894A Receive-Only Earpiece, Black.

#### VL50, DTR550, DTR650, CP100

- HMN8433A Receive-Only Earpiece, Beige.

### 2-WIRE SURVEILLANCE KITS

#### VL50, DTR550, DTR650, CP100

- HMN8435A Earbud with Clip Microphone and Push-to-Talk, Black.

#### BPR 40

- PMLN4606A 2-Wire Surveillance Kit with Clear Acoustic Tube
- PMLN4605A Replacement Clear Acoustic Tube

#### CP110

- HMN9754D\* Earpiece with Microphone and Push-to-Talk Combined, Beige.
- RLN4895A Earpiece with Microphone and Push-to-Talk Combined, Black.
- RLN5317A Comfort Earpiece with Microphone and Push-to-Talk Combined, Beige.
- RLN5318A Comfort Earpiece with Microphone and Push-to-Talk Combined, Black.

HMN9752B



HMN8435A



PMLN4606A



PMLN4605A



HMN9754D



RLN5318A



# portable radio: audio

VL50, DTR550, DTR650, BPR 40,  
CP100, CP110



## 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. 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.

RLN6230A	Extreme Noise Kit. Includes 2 foam earplugs. For high-noise environments. Noise reduction = 24dB. Can be used with Clear Comfortable Earpieces. Black.
RLN6231A	Extreme Noise Kit. Includes 2 foam earplugs. For high-noise environments. Noise reduction = 24dB. Can be used with Clear Comfortable Earpieces. Beige.
RLN6232A	Low Noise Kit – Clear Acoustic Tube Assembly. Includes 1 clear rubber eartip. For low-noise environments, does not provide hearing protection. Black.
RLN6241A	Low Noise Kit – Clear Acoustic Tube Assembly. Includes 1 clear rubber eartip. For low-noise environments, does not provide hearing protection. Beige.

## REPLACEMENT ACCESSORIES

RLN6242A	Quick Disconnect Acoustic Tube Replacement
5080369E39†	Extra Loud Earphone. Beige.
5080370E91†	Extra Loud Earphone. Black.
5080384F72	Replacement Foam Plugs. Noise reduction = 24dB. Pack of 50. For RLN6230A/RLN6231A.
5080370E97	Replacement Standard Clear Rubber Eartips. Pack of 25. For RLN6232A/RLN6241A.

## 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.

RLN4760A	Small Custom Earpiece – Right Ear
RLN4761A	Medium Custom Earpiece – Right Ear
RLN4762A	Large Custom Earpiece – Right Ear
RLN4763A	Small Custom Earpiece – Left Ear
RLN4764A	Medium Custom Earpiece – Left Ear
RLN4765A	Large Custom Earpiece – Left Ear

## Ear Microphone Systems (EMS)

This compact, lightweight unit picks up sound through bone vibrations in the ear canal. The miniature earpiece leaves the hands-free and face unobscured, good for security personnel that must retain the ability to help, hear and speak directly to those not on the communication system. EMS may be worn with protective masks without reduction in clarity of sound. It's ideal for high noise environments.

### CP110

BDN6646C*	Standard EMS with Push-to-Talk Interface Module. For noise levels up to 95dB.
BDN6706B*	Standard EMS with Voice-Activated Interface Module. For noise levels up to 95dB.

### OPTIONAL ACCESSORIES FOR THE EMS

0180358B38	Remote Push-to-Talk Ring Switch
0180300E83	Remote Push-to-Talk Body Switch
0180358B32	Earholder, Black, size small. Secures Ear Microphone in ear.
0180358B33	Earholder, Black, size medium. Secures Ear Microphone in ear.
0180358B34	Earholder, Black, size large. Secures Ear Microphone in ear.
0180358B35	Earholder, Clear, size small. Secures Ear Microphone in ear.
0180358B36	Earholder, Clear, size medium. Secures Ear Microphone in ear.
0180358B37	Earholder, Clear, size large. Secures Ear Microphone in ear.
4280369E44	Replacement Belt Clip with Screws.
5080358B28	Eartips. Black, size medium. Pack of 10.
5080358B29	Eartips. Black, size large. Pack of 10.
5080358B30	Eartips. Beige, size medium. Pack of 10.
5080358B31	Eartips. Beige, size large. Pack of 10.

\*Intrinsically Safe

†Extra Loud Earphone (exceeds OSHA limits)



RLN6230A



RLN6241A



Clear Comfortable Earpieces



BDN6646C



0180300E83

# portable radio: headsets

VL50, DTR550, DTR650, BPR 40,  
CP100, CP110

## Winning Quality

The same winning quality and dependability you see at professional football stadiums and speedways can be yours with Motorola headsets.



## NFL® Style Headsets

NFL Style Headsets are similar to the headsets worn by coaching staff in the NFL.

### CP110

- RLN5238B Single-Muff, Lightweight Headset with Swivel Boom Microphone
- RMN5047A Single-Muff, Heavy-Duty Headset with Swivel Boom Microphone



## Lightweight Temple Transducers

These lightweight headsets provide high clarity, discrete two-way communication, while maintaining the comfort necessary for extended wear in moderate noise environments. No adapter required.

### VL50, DTR550, DTR650, CP100

- RMN5114A Lightweight Temple Transducer with In-Line PTT and Microphone
- BPR 40, CP110**
- PMLN5003A Lightweight Temple Transducer with In-Line PTT and Microphone
- PMLN5011A Temple Transducer with In-Line PTT and Boom Microphone



# portable radio: headsets

VL50, DTR550, DTR650, BPR 40,  
CP100, CP110



## Lightweight Headsets

Designed for moderate-noise environments, these accessories let users enjoy communication that's clear, private and hands-free. Comfortable for extended wear. No adapters required.

**VL50, DTR550, DTR650, CP100**

BDN6773A Lightweight, Single-Muff Headset with Swivel Boom Microphone

**CP110**

RLN5411A Ultra-Light, Behind-the-Head with Boom Microphone and In-line Push-to-Talk

RMN4016B\* Single-muff, Adjustable, Lightweight Headset with Boom Microphone and In-line Push-to-Talk.

HMN9013B Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone

**VL50, DTR550, DTR650, CP100**

REX4648A Replacement Foam Earpad and Windscreen. Kit for BDN6773A, HMN9013B and RMN4016B.

## Medium Weight Headsets

Medium weight headsets offer high-clarity sound, with the additional hearing protection necessary to provide consistent, clear, two-way radio communication in harsh, noisy environments.

**CP110**

HMN9021A Medium-Weight, Dual-Muff, Over-the-Head Style Headset with In-line PTT  
Noise reduction rating = 24dB

HMN9022A Medium-Weight, Behind-the-Head Style, Dual-Muff Headset.  
Can be worn with hardhat. Noise reduction rating = 24dB

BDN6647G\* Medium-Weight, Single-Muff Headset with Boom Microphone.

## Accessory Retainer Clip

**VL50, DTR550, DTR650, BPR 40, CP100, CP110**

RLN5500A Accessory Retainer Clip. Holds audio accessory securely to radio.

BDN6773A



RLN5411A



RMN4016B



HMN9013B



\*Intrinsically Safe

# portable radio: carry accessories

VL50, DTR550, DTR650, BPR 40,  
CP100, CP110

## Cases Save Time

You'd be surprised how much time can be saved when each user's radio is always in the same place — made easy by this versatile selection of Motorola Original carry accessories.

NTN4020A



NNTN4106A



PMLN4742A



PMLN4743A



## Carrying Cases and Accessories

A variety of carrying accessories are available for protection, comfort and convenience.

### VL50

56519 Carry Case with Adjustable Strap  
HCLN4013B Replacement Swivel Belt Holster

### DTR550, DTR650

53961 Carry Holster

### BPR 40

PMLN4742A Mag One Hard Leather Carry Case

### CP100

NNTN4020A Leather Carry Case  
NNTN4106A Swivel Belt Holster. Plastic.

### BELT LOOPS & CLIPS

### BPR 40

PMLN4743A Mag One 2 inch Spring Belt Clip

# portable radio: carry accessories

VL50, DTR550, DTR650, BPR 40,  
CP100, CP110



## Chest Packs and RadioPAK

These versatile carry accessories fit virtually any radio. Lightweight and comfortable, each of these packs make an ideal companion for two-way radios.

### Chest Pack

Motorola Original Universal Chest Pack protects the radio and provides the freedom from holding it during standby communication mode. Universal Chest Pack fits virtually any radio.

- |            |   |
|------------|---|
| HLN6602A   | Universal Chest Pack with Radio Holder, Pen Holder and Velcro Secured Pouch |
| 1505596Z02 | Replacement Strap for HLN6602A/RLN4570A                                     |

### Break-A-Way Chest Pack

All the features of the original Universal Chest Pack (HLN6602A) plus break-a-way tabs that allow the entire pack to be pulled off with approximately 10 lbs. of pressure.

- |            |  |
|------------|--|
| RLN4570A   | Break-a-Way Chest Pack with Radio Holder, Pen Holder and Velcro Secured Pouch. |
| 1505596Z02 | Replacement Strap for HLN6602A/RLN4570A  |

### Universal RadioPAK™

The RadioPAK is lightweight and comfortable. Worn around the waist, it keeps radios/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.

- |            |  |
|------------|--|
| RLN4815A   | RadioPAK Radio/Utility Case                                  |
| 4280384F89 | RadioPAK Extension Belt<br>For waists larger than 40 inches. |

### Waterproof Bag

- |          |                                 |
|----------|---------------------------------|
| HLN9985B | Waterproof Bag with Large Strap |
|----------|---------------------------------|

### Portable Radio Hangers

Portable Radio Hangers slide over and hangs from the vehicle door panel allowing convenient, easy mounting. Radio belt clip required.

- |          |  |
|----------|--|
| TDN9327A | Portable Radio Hanger for door panels up to 2.75 inches.   |
| TDN9373A | Portable Radio Hanger for door panels 2.75 to 3.25 inches. |



TDN9327A



TDN9373A



HLN6602A

RLN4570A

RLN4815A

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.

# portable radio: batteries

VL50, DTR550, DTR650, BPR 40,  
CP100, CP110

## Motorola Batteries

Motorola Original batteries are designed to stand up to your demanding work environment and provide reliable power that you can count on.



## Batteries

Motorola offers a variety of batteries with different chemistries to best suit your needs help keep your radio fully functioning at all times, so you can rest assured they are ready whenever you need them.

### VL50

56557 Li-ion Rechargeable Battery, 1110 mAh  
1564200W18 AAA Battery Tray Kit.  
Allows VL50 radios to operate with three AAA batteries.

### DTR550, DTR650

53964 High Capacity Li-ion Battery, 1500 mAh  
53963 Standard Capacity Li-ion Battery, 1200 mAh

### BPR 40

PMNN4071AR Mag One NiMH Battery, 1200 mAh  
PMNN4075AR Mag One Li-ion Battery, 1500 mAh

### CP100

NNTN4190A NiMH Battery, 1500 mAh

# portable radio: chargers

VL50, DTR550, DTR650, BPR 40,  
CP100, CP110



## Single Unit Chargers

Rapid-rate chargers will charge batteries within 3 hours. 10 hour battery chargers can be used when overnight charging is available. All chargers support NiMH, NiCd and Li-ion batteries.

### DTR550, DTR650

- 53969 Rapid Charger, 1-Hour
- 53962 Replacement Drop-In Charging Tray
- NNTN4841C 3-Hour Standard Charger
- NNTN6343A Vehicular Power Charger

### BPR 40

- RLN6350A Mag One Rapid Charger, Li-ion Battery Bundle Kit (Includes PMLN5048 and PMNN4075)

- PMLN5048AR Mag One Rapid Charger Kit (Includes Base, Power Supply and AC Cord)

### CP100

- NNTN4075AR 2-Hour Drop-in Charger
- NNTN4077A 10-Hour Plug-in Charger. Plugs into radio's side connector jack or drop-in charging tray.

53969



NNTN4841



PMLN5048AR



NNTN4075AR



NNTN4077A



NNTN6343



53962

# portable radio: chargers

VL50, DTR550, DTR650, BPR 40,  
CP100, CP110

## Multi-Unit Chargers and Accessories

Extra chargers can help assure your radios are centrally-located and always ready for use.

### VL50

56553 Dual-unit Charger. Allows user to charge radio and spare battery at the same time.

56531 Multi-unit Charger and Cloning Device. Provides radio cloning capability.

### DTR550, DTR650

53960 6-Unit Charger. Allows drop-in charging for up to six radios and/or batteries within three hours. Wall-mountable.

### CP100

NNTN4019AR Drop-in Charging Tray. For use with NNTN4077A.

NNTN4028CR 6-Unit, 7-Hour Charger. 120 Volt. Provides radio cloning capability.

### BPR 40

RLN6393A Multi-Unit Charger



56553



53960



56531



NNTN4028CR

# portable radio: connectivity and antennas

VL50, DTR550, DTR650, BPR 40,  
CP100, CP110



## Connectivity

These accessories are a must for communicating data as well as voice — often eliminating the need to carry multiple devices — plus quickly copying settings from one radio to another.

### DTR550, DTR650

NTN2074A Mini-Keyboard  
53968 Cloning Cable



53968



NTN2074A

## Antennas

Flexible design provides more comfort when radio is worn on the belt.

### VHF ANTENNAS

#### CP100

RAN4041A VHF 146-174 MHz, Dual Coil Antenna

#### BPR 40

PMAD4051AR Mag One VHF 150-174 MHz Stubby Antenna

### UHF ANTENNAS

#### CP110

RAN4033A UHF 450-470 MHz, Stubby Antenna

RAN4031A UHF 403-470 MHz, Whip Antenna

#### BPR 40

PMAE4020AR Mag One UHF 450-470 MHz Stubby Antenna

## Antenna Characteristics

Heliflex antennas are engineered for maximum output and coverage.

Stubby antennas are non-obtrusive, ideal for wearing the radio on a belt.

Whip antennas are one-piece with a steel core for optimal radiation.



Call us today to enhance  
your two-way radio capabilities  
with high-performance  
Motorola Original accessories.

***STREAMLINED SOLUTIONS FOR  
A SINGLE RADIO OR ENTIRE FLEET***



Every Motorola two-way radio can be customized to suit your current and future communication needs. All Motorola Original accessories are built to the highest standards of quality, and are specially engineered to perfectly complement your radio's performance. So don't wait any longer to increase your productivity with optimum two-way radio performance.

***Call our experts today for more information.***



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Specifications subject to change without notice.

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