Motorola Two-Way Portable Radio
Accessory and Battery Catalog

PORTABLE RADIOS
VL50™
DTR550™/DTR650™
BPR™ 40
CP100
CP110
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.
**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, BPR 40, CP100, CP110**

- HMN9051A Remote Speaker Microphone
- 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.

- 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

**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.

*Intrinsically Safe*
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
**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

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMN9752B*</td>
<td>Receive-Only Earpiece with Volume Control, Beige.</td>
</tr>
<tr>
<td>HMN9727B*</td>
<td>Receive-Only Earpiece, Beige.</td>
</tr>
<tr>
<td>RLN4894A</td>
<td>Receive-Only Earpiece, Black.</td>
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</tbody>
</table>

**VL50, DTR550, DTR650, CP100**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>HMN8433A</td>
<td>Receive-Only Earpiece, Beige.</td>
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</tbody>
</table>

### 2-Wire Surveillance Kits

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>HMN8435A</td>
<td>Earbud with Clip Microphone and Push-to-Talk, Black.</td>
</tr>
</tbody>
</table>

**VL50, DTR550, DTR650, CP100**

**BPR 40**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PMLN4606A</td>
<td>2-Wire Surveillance Kit with Clear Acoustic Tube</td>
</tr>
<tr>
<td>PMLN4605A</td>
<td>Replacement Clear Acoustic Tube</td>
</tr>
</tbody>
</table>

**CP110**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMN9754D*</td>
<td>Earpiece with Microphone and Push-to-Talk Combined, Beige.</td>
</tr>
<tr>
<td>RLN4895A</td>
<td>Earpiece with Microphone and Push-to-Talk Combined, Black.</td>
</tr>
<tr>
<td>RLN5317A</td>
<td>Comfort Earpiece with Microphone and Push-to-Talk Combined, Beige.</td>
</tr>
<tr>
<td>RLN5318A</td>
<td>Comfort Earpiece with Microphone and Push-to-Talk Combined, Black.</td>
</tr>
</tbody>
</table>

*Intrinsically Safe*
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.

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.

CP10
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.
4280399E44 Replacement Belt Clip with Screws.

*Intrinsically Safe
†Extra Loud Earphone (exceeds OSHA limits)
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
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
  - HMN9013B Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone

- **VL50, DTR550, DTR650, CP100**
  - BDN6647G* Medium-Weight, Single-Muff Headset with Boom Microphone

**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.

*Intrinsically Safe
**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.

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### Carrying Cases and Accessories

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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>VL50</td>
<td>Carry Case with Adjustable Strap</td>
<td></td>
</tr>
<tr>
<td>56519</td>
<td>Replacement Swivel Belt Holster</td>
<td>DTR550, DTR650</td>
</tr>
<tr>
<td>53961</td>
<td>Carry Holster</td>
<td>BPR 40</td>
</tr>
<tr>
<td>PMLN4742A</td>
<td>Mag One Hard Leather Carry Case</td>
<td>CP100</td>
</tr>
<tr>
<td>NNTN4020A</td>
<td>Leather Carry Case</td>
<td></td>
</tr>
<tr>
<td>NNTN4106A</td>
<td>Swivel Belt Holster. Plastic.</td>
<td></td>
</tr>
<tr>
<td><strong>Belt Loops &amp; Clips</strong></td>
<td></td>
<td>BPR 40</td>
</tr>
<tr>
<td>PMLN4743A</td>
<td>Mag One 2 inch Spring Belt Clip</td>
<td></td>
</tr>
</tbody>
</table>
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.

- 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

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.

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.
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 and 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
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.
## 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
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

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.*