

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

Accessory and Battery Catalog



## **PORTABLE RADIOS**

CP185™  
CP200™  
CP200·XLS™  
PR400™

## **MOBILE RADIOS**

CM200™/CM300™  
PM400™

**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 have to use 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. **1**



# portable radio: audio

## CP185, CP200, CP200-XLS, PR400



PMMN4013A



### 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.

**CP185, CP200, CP200-XLS, PR400**

- PMMN4013A\* Remote Speaker Microphone with 3.5mm audio jack
- PMMN4029A\* Remote Speaker Microphone, IP57 Submersible

### Mag One 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. Clothing clip on microphone back clips securely onto shirt or collar.

**CP185, CP200, CP200-XLS**

- PMMN4008A Mag One Remote Speaker Microphone

PMMN4008A

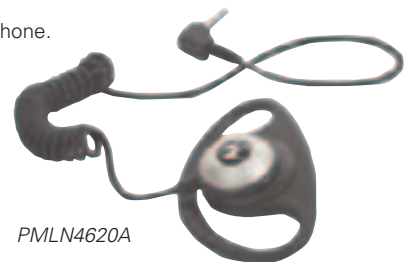


### Remote Speaker Microphone Audio Accessories

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

**CP185, CP200, CP200-XLS, PR400**

- 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

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.

**CP200, CP200-XLS, PR400**

- BDN6720A Flexible Ear Receiver
- 7580372E11 Replacement Foam Ear Cushion for BDN6720A.

BDN6720A



\*Intrinsically Safe with the PR400 only

# portable radio: audio

CP185, CP200, CP200·XLS, PR400



## Pellet Style Earpieces

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

- PMLN5001A** CP185, CP200, CP200·XLS, PR400  
D-Shell Earpiece with In-line Microphone and Push-to-Talk
- HLN9132A** CP200, CP200·XLS, PR400  
Receive-Only Earbud
- HMN9036A**  
Earbud with Clip Microphone and Push-to-Talk



## Mag One Earpiece Accessories

Mag One accessories meet the requirements of light-duty and moderate working environments. For VOX capability, radios must have the VOX feature enabled.

- PMLN4442A** CP185, CP200, CP200·XLS  
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 Earpiece

Small and lightweight, the earpiece clips comfortably to the ear. Features boom microphone and in-line Push-to-Talk.

- PMMN4001A** CP200, CP200·XLS, PR400  
Ultra-Lite Earpiece with Boom Microphone and In-line Push-to-Talk



# portable radio: audio

## CP185, CP200, CP200·XLS, PR400



HMN9752B



HMN9754D

### 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

**CP200, CP200·XLS, PR400**

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

#### 2-WIRE SURVEILLANCE KITS

**CP185, CP200, CP200·XLS, PR400**

- HMN9754D\* Earpiece with Microphone and Push-to-Talk Combined, Beige

**CP200, CP200·XLS, PR400**

- RLN4895A Earpiece with Microphone and Push-to-Talk Combined, Black

### Surveillance Kits – With Extended-Wear Comfort Earpiece

These kits include an extended-wear comfort earpiece that has a rubber eartip and clear, comfortable acoustic tube. Users hear transmissions clearly, while the clear tube provides a discreet appearance.

**CP200, CP200·XLS, PR400**

- RLN5317A Comfort Earpiece with Microphone and Push-to-Talk Combined (2-Wire), Beige
- RLN5318A Comfort Earpiece with Microphone and Push-to-Talk Combined (2-Wire), Black



RLN5318A



### 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.

#### CP200, CP200·XLS, PR400

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

#### 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 with the PR400 only  
†Extra Loud Earphone (exceeds OSHA limits)



RLN6230A



RLN6241A



Clear Comfortable Earpieces



BDN6646C

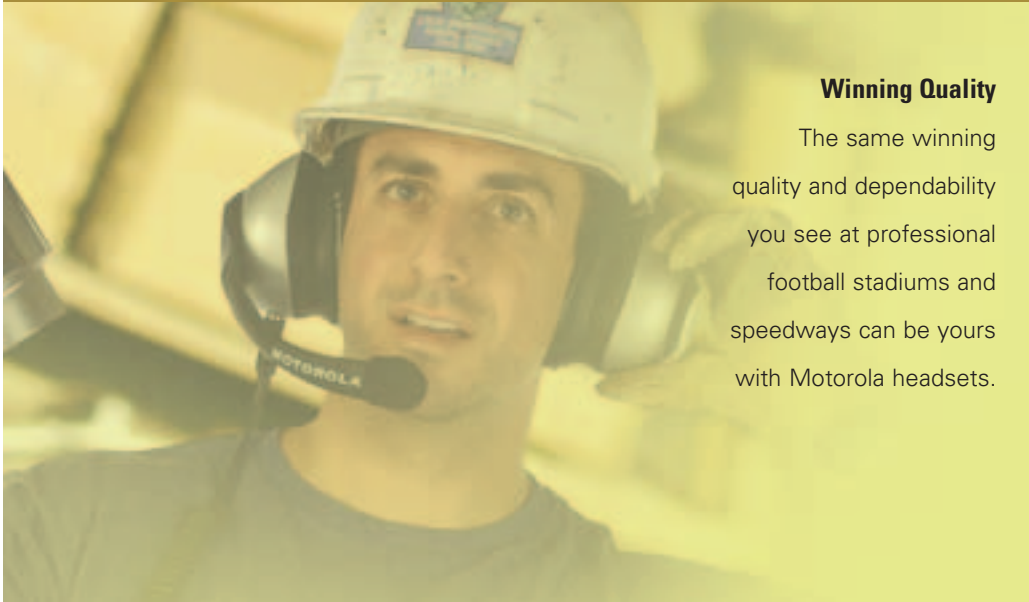


0180300E83



# portable radio: headsets

CP185, CP200, CP200·XLS, PR400



## Winning Quality

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



RLN5238B



RMN5047A



RMN5015A

## NFL® Style Headsets

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

### CP200, CP200·XLS, PR400

- RLN5238B Single-Muff, Lightweight Headset with Swivel Boom Microphone  
RMN5047A Single-Muff, Heavy-Duty Headset with Swivel Boom Microphone  
Not compatible with the PR400.

## Racing Headset

This heavy-duty headset can be worn with most hard hats. Ideal for high-noise environments; racing teams like CART® use it in the pits for dependable communication. Adapter cable required.

### CP200, CP200·XLS, PR400

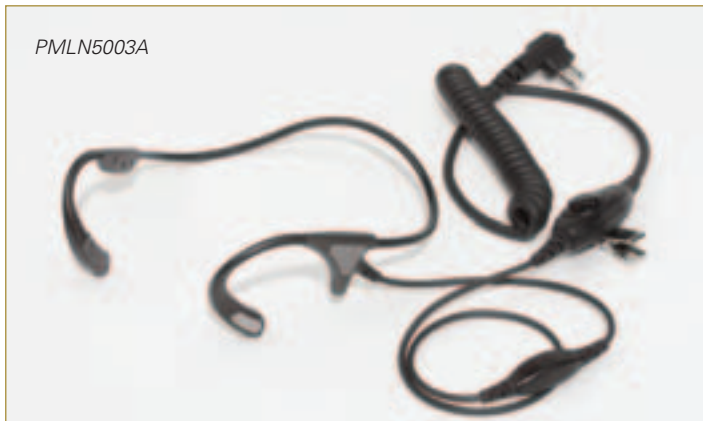
- RMN5015A Racing Headset with Noise-Cancelling Swivel Boom Microphone  
Behind-the-Head style. Noise reduction rating = 24dB.  
RKN4090A Adapter Cable for RMN5015A

## 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.

### CP185, CP200, CP200·XLS, PR400

- PMLN5003A Lightweight Temple Transducer with In-Line PTT and Microphone  
CP200, CP200·XLS, PR400  
PMLN5011A Temple Transducer with In-Line PTT and Boom Microphone



PMLN5003A



# portable radio: headsets

CP185, CP200, CP200·XLS, PR400



## 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.

### CP185, CP200, CP200·XLS, PR400

HMN9013B Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone

### CP200, CP200·XLS, PR400

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.

## Hardhat Mount Headset With Noise-Cancelling Boom Microphone

Ideal for two-way communication in high-noise environments, this headset mounts easily to hardhats with slots, or can be worn alone. Easily replaceable ear seals are filled with a liquid and foam combination to provide excellent sealing and comfort. 3-foot coiled cord assembly included. Noise reduction of 22dB. Adapter Cable RKN4094A required. Hardhat not included.

### CP200, CP200·XLS, PR400

RMN4051B Two-way, Hardhat Mount Headset with Noise-Cancelling Boom Microphone

RKN4094A Adapter cable with In-Line PTT. For use with RMN4051B.

## 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.

### CP200, CP200·XLS, PR400

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.

## Heavy-Duty Headset With Noise-Cancelling Boom Microphone

Heavy-duty headsets include noise-cancelling boom microphones and can be worn with or without a hardhat. The Push-to-Talk switch is located on the earcup. On voice-activated models, the VOX module is contained within the headset.

### CP200, CP200·XLS, PR400

BDN6648C Heavy-Duty, Behind-the-Head Style, with Noise-Cancelling Boom Microphone  
Noise reduction rating = 24dB

3080357B14 Replacement Adapter Cable. For use with BDN6648C.

## Accessory Retainer Clip

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

HMN9013B



RLN5411A



RMN4051B



BDN6648C



\*Intrinsically Safe with the PR400 only

# portable radio: carry accessories

CP185, CP200, CP200·XLS, PR400

## 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.



## Carrying Cases and Accessories

Add protection to your radio while you carry it in comfort. A variety of carrying accessories are available for comfort and convenience. The carrying cases are available in sizes designed to fit radios with a battery and permit audio to be heard clearly.

### CP185

PMLN5334A Soft Leather Carry Case with D-rings, requires belt clip or carrying strap

### CP200, CP200·XLS, PR400

### NON-DISPLAY MODELS

RLN5383A Leather Case with Belt Loop and D-Rings  
RLN5384B Leather Case with 2.5 inch Swivel and D-Rings  
RLN5385B Leather Case with 3 inch Swivel and D-Rings  
HLN9701B Nylon Case with Belt Loop and D-Rings

### LIMITED KEYPAD MODELS

RLN5497A Leather Case with Swivel  
RLN5640A Leather Case with Belt Loop and D-Rings  
RLN5641A Leather Case with 2.5 inch Swivel and D-Rings  
RLN5642A Leather Case with 3 inch Swivel and D-Rings  
HLN9701B Nylon Case with Belt Loop and D-Rings

### FULL KEYPAD MODELS

RLN5498A Leather Case with Belt Clip  
RLN5496A Leather Case with Swivel  
HLN9701B Nylon Case with Belt Loop and D-Rings

## Carrying Accessories

### BELT LOOPS & CLIPS

#### CP185

HLN9844A 2 inch Belt Clip

#### CP200, CP200·XLS, PR400

4280483B03 2.5 inch Swivel Belt Loop  
4280483B04 3 inch Swivel Belt Loop  
RLN5644A Spring Action 2 inch Belt Clip  
HLN8255B Spring Action 3 inch Belt Clip

### STRAPS

NTN5243A Shoulder Carry Strap for use with carry cases with D-Rings  
RLN5716A T-Strap for Leather Cases



# portable radio: carry accessories

CP185, CP200, CP200·XLS, PR400



## 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 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 and antennas

## CP185, CP200, CP200·XLS, PR400

### Motorola Batteries

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

### Antenna Characteristics

Heliflex antennas are engineered for maximum output and coverage. Stubby antennas are unobtrusive, ideal for wearing the radio on a belt. Whip antennas are one-piece with a steel core for optimal radiation.



PMNN4082  
PMNN4081  
PMNN4080



NNTN4970A

### 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.

#### CP200, CP200·XLS, PR400

#### PREMIUM NICKEL CADMIUM – NiCd

NNTN4496AR NiCd Battery, 1100 mAh

#### PREMIUM LITHIUM ION – Li-ion

NNTN4497CR Li-ion Battery, 2250 mAh  
NNTN4970A Slim Li-ion Battery, 1600 mAh

#### PREMIUM NICKEL METAL HYDRIDE – NiMH

NNTN4851A NiMH Battery, 1400 mAh  
NNTN4852A\* NiMH FM Battery, 1300 mAh

#### CP185

PMNN4081AR Li-ion Battery, 1500 mAh min, 1700 mAh typical  
PMNN4080A Li-ion Battery, 2150 mAh min, 2250 mAh typical  
PMNN4092AR NiMH Battery, 1300 mAh min, 1400 mAh typical

### Antennas

These antennas are sturdy and dependable for years of fail-safe communication.

#### VHF ANTENNAS

##### CP185

PMAD4012A VHF 136-155 MHz Stubby Antenna  
PMAD4013A VHF 155-174 MHz Stubby Antenna  
PMAD4014A VHF 136-155 MHz Whip Antenna  
PMAD4015A VHF 155-174 MHz Whip Antenna  
NAD6579A VHF 148-161 MHz Whip Antenna  
HAD9338BR VHF 136-150.8 MHz Heliflex Antenna

##### CP185, CP200, CP200·XLS, PR400

NAD6502AR\* VHF 150-162 MHz, Heliflex Antenna  
HAD9742A\* VHF 146-162 MHz Stubby Antenna – 3.5 inch  
HAD9743A\* VHF 162-174 MHz Stubby Antenna – 3 inch

#### UHF ANTENNAS

##### CP185

PMAE4003A UHF 430-470 MHz Stubby Antenna  
PMAE4006A UHF 465-495 MHz Stubby Antenna

##### CP185, CP200, CP200·XLS, PR400

NAE6483AR\* UHF 403-520 MHz Whip Antenna  
NAE6522AR\* UHF 438-470 MHz Heliflex Stubby Antenna – 3 inch  
8505816K26\* UHF 470-512 MHz Heliflex Stubby Antenna – 3 inch



NAD6502AR

PMAE4003

NAE6483AR

\*Intrinsically Safe with the PR400 only



PMLN5398A

### Single Unit Chargers

Rapid-rate chargers will charge batteries within 3 hours. 10 hour battery chargers can be used when overnight charging is available.

#### CP185

PMLN5398A Single Unit Rapid Charger Kit, 110V (includes PMLN5228 and EPNN9288)

#### CP200, CP200·XLS, PR400

WPLN4138AR Rapid-rate Desktop Charger, 120 Volt Lightweight and compact, supports NiCd, NiMH, Li-ion.

PMLN5193A Rapid-rate Charger Kit with Switchmode Power Supply (Includes EPNN9288A and WPLN4137BR)

EPNN7997A 10-Hour Plug-in Charger, 120 Volt. Plugs into accessory connector. For use with NNTN4496AR NiCd battery only.

WPLN4155AR 10-Hour Desktop Charger, 120 Volt. For use with NNTN4496AR NiCd battery only.

EPNN9288A Rapid-rate Charger Transformer (US), 120 Volt Plugs into accessory connector. For use with NNTN4496AR NiCd battery only.



WPLN4138AR

### Multi-Unit Chargers

Up to 6 radios or batteries alone can be charged within 3 hours.

#### CP200, CP200·XLS, PR400

WPLN4161AR 6-Pocket Rapid-rate, Multi-unit Charger, 120V. Supports NiCd, NiMH and Li-ion chemistries.

RLN6296A Multi-unit Charger Conversion Kit, includes charger base and power supply. Single unit charger bases must be purchased separately.

HLN9293A Wall Mount Bracket for WPLN4161AR



EPNN7997A



WPLN4161AR\*

\*Not compatible with the CP185

# mobile radio: microphones, speakers, control station

CM200, CM300, PM400



## Microphones and Accessories

- HMN1035C Heavy-Duty Palm Microphone with 10.5 ft. Coil Cord Larger, designed for gloves. Ships standard with PM400 radios.
- HMN3413A Compact Palm Microphone with 7 ft. Coil Cord with Clip
- RMN5029A Enhanced Keypad Microphone with 7 ft. Coil Cord with Clip. Features backlit 12-digit with clip DTMF keypad that generates tones needed to access telephone systems.
- HMN3596A Compact Palm Microphone with 7 ft. Coil Cord. Replacement compact microphone.
- AAREX4617A Telephone-Style Handset. Includes cup and hardware.
- HLN9073B Microphone Hang-Up Clip. Compatible with all Motorola microphones. Mounts in vehicle to secure mobile microphone. Installation required.
- HLN9414A Universal Hang-Up Clip. Compatible with all Motorola microphones. No installation required.

## External Speakers and Public Address Systems

- HSN8145B External 7.5 Watt Speaker. For users in high-noise environments.
- RSN4001A External 13 Watt Speaker. For extremely noisy environments.
- RLN5288A Public Address Kit. Includes two cables for mobile connection to public address box and speaker cables. Requires HSN1006A speaker.
- HSN1006A 6 Watt Amplified External Speaker. Required for use with RLN5288A.
- HKN9324AR 15 ft. Public Address/Speaker Cable. One cable is required per speaker.

## Control Station Accessories

- RMN5068A Desktop Microphone, Black
- RLN5391A Desktop Tray without Speaker
- RLN5390A Desktop Tray with Speaker. Allows for increased volume.
- HPN4008B Power Supply and Cable (1-25 Watt Models). For use with low-power radios.
- HPN4007C Power Supply and Cable (25-60 Watt Models). For use with high-power radios.

## Replacement Cables

- HKN4139A Power Cable of Low-Power Control Stations. 12 Volt (1-25 Watt Models).
- HKN9455A Power Cable of High-Power Control Stations. 12 Volt (25-60 Watt Models).



# mobile radio: hands-free, mounting, antennas

CM200, CM300, PM400



## Hands-Free Accessories

- AARMN4027A Visor Microphone. For use with external Push-to-Talk accessories. Provides wind noise reduction. Requires RLN4857B, RLN4856A or RLN4858A for operation.
- RLN4856A Foot Switch with Push-to-Talk Mounts to vehicle floor, must be used with AARMN4027A.
- RLN4857B Pushbutton with Push-to-Talk. Must be used with AARMN4027A. PTT button can be held or mounted in vehicle.
- RLN4858A Gooseneck Mount with Push-to-Talk. Mounts to steering column, must be used with AARMN4027A.
- RLN4836AR Emergency Foot Switch, sends a signal to the base station and activates the microphone.

## Mounting Accessories

- GLN7324A Low-Profile Mounting Bracket. Dash or floor mount.
- GLN7317A High-Profile Mounting Bracket. Offers more clearance between dash and radio. Dash or floor mount.
- HLN9227A 8-inch Gooseneck Mounting Bracket. Mounts inside the forklift, height adjustable for each driver.
- RLN4779A Key Lock Mounting Bracket. Requires key to lock/unlock radio in mounting bracket.

## Alarm Accessories

- HLN9328C External Alarm Relay Cable – Horn and Lights
- GLN7282A Alarm Buzzer Kit

## Installation Accessories

- HKN4191B 20 Amp, 12 Volt, 40-60 Watt High-Power Cable. Used to connect the battery to the radio chassis.
- HLN9242A 16-Pin Accessory Kit with Expanded Connector Kit allows modification of existing 16-pin connector for enhanced reliability. Includes 9 wires with lugs, 1 connector housing, 16 crimping terminals, 2 tie straps and 1 extraction tool.
- HKN9327BR Ignition Switch Cable with Housing Connector. Used to connect auto battery to radio, allows mobiles to turn on with ignition. Requires HLN9242A.

## Antennas

For optimum range and quality, it is important to match the mobile radio's frequency with the proper Motorola Original antenna. These are available as standard 1/4 wave models or can include 3dB, 3.5dB or 5dB signal gain.

### THROUGH-HOLE MOUNT ANTENNAS

- HAD4006A VHF 136-144 MHz, 1/4 Wave – Not for PM400
- HAD4007A VHF 144-152 MHz, 1/4 Wave
- HAD4008A VHF 152-162 MHz, 1/4 Wave
- HAD4009A VHF 162-174 MHz, 1/4 Wave
- RAD4010ARB VHF 136-174 MHz, 3dB Gain – Not for PM400
- HAE4003A UHF 450-470 MHz, 1/4 Wave
- RAE4004ARB UHF 450-470 MHz, 5dB Gain

### MAGNETIC MOUNT ANTENNAS

- RAD4000A VHF 136-174 MHz, 3dB Gain – Antenna Only
- RAD4000AMB VHF 136-174 MHz, 3dB Gain
- RAE4004ARB UHF 450-470 MHz, 5dB Gain
- RAE4004AMB UHF 440-470 MHz, 5dB Gain





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