



ACCESSORIES AND BATTERIES

PR860, HT Professional Series Portable and
CDM Series Mobile Two-Way Radios





PR860

Motorola Original® Accessories let you make the most of your PR860 portable radio's capabilities.

You made a sound business decision when you chose your Motorola PR860 Professional Series Two-way radio. When you choose performance-matched Motorola Original® accessories, you're making another good call.

That's because every Motorola Original® accessory is designed, built and rigorously tested to the same quality standards as Motorola radios. So you can be sure that each will be ready to do its job, time after time — helping to increase your productivity. After all, if you take a chance on a mismatched battery, a flimsy headset, or an ill-fitting carry case, your radio may not perform at the moment you have to use it.

We're pleased to bring you this collection of proven Motorola Original® accessories for your important business communication needs. You'll find remote speaker microphones for more convenient control. Discreet earpiece systems to help ensure privacy and aid surveillance. Carry cases for ease when on the move. Headsets for hands-free operation. Premium batteries to extend work time, and more. They're all ready to help you work smarter, harder and with greater confidence.

PR860 Professional Series radios can be customized to your organization's needs for maximum practicality.

PR860 PROFESSIONAL SERIES RADIOS

The Motorola PR860 Professional Series two-way radio offers advanced performance and rugged design in a surprisingly lightweight package. It's ergonomically designed to handle easily, with bigger knobs and controls that can be operated even when wearing heavy gloves.

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PR860

audio

Windporting Remote Speaker Microphones

The Windporting feature of these microphones helps lessen background noise from high winds and other severe weather conditions. Audio can pass through the speaker grill even when the microphone port is blocked by water. Now public safety professionals can be more confident than ever of clear, understandable communication when Mother Nature is uncooperative. The Windporting Remote Speaker Microphones allow talking and listening without removing the radio from the belt or case. Both have a coiled cord, Push-to-Talk switch, swivel clip, and quick disconnect latch.

- PMMN4021A* Remote Speaker Microphone with 3.5mm Audio Jack
- PMMN4027A* Remote Speaker Microphone with IP57 Rating



Remote Speaker Microphone – RSM

This Remote Speaker Microphone is water-resistant and allows talking and listening without removing the radio from the belt or case. It has a coiled cord and Push-to-Talk switch. Clothing clip on the microphone back clips securely onto shirt or collar. Ideal for high-noise environments.

- AAHMN9053E* Noise-Cancelling Remote Speaker Microphone with 3.5mm Audio Jack
- HKN9055A Replacement Cable for Remote Speaker Microphone

Heavy-Duty Remote Speaker Microphone

Ideal for firefighters, police and other public safety professionals, this remote speaker microphone lets users talk and listen without removing the radio from the belt, case or charger. Designed with an exceptionally rugged housing for harsh environmental conditions. Controls include a Push-to-Talk Button and Hi-Low Volume Control. Includes coiled cord, clothing clip, and audio jack.

- RMN5055A* Heavy-Duty Remote Speaker Microphone with 3.5mm Audio Jack



*Intrinsically Safe with FM approved radio.

Public Safety Microphones:

Emergency professionals will appreciate the reliability of these microphones. They're designed to help increase coverage so users can communicate clearly and accurately.



Public Safety Microphones – PSM

The newly designed Public Safety Microphones feature a straight cord assembly, 3.5mm earjack, swivel clip, quick disconnect latch, antenna connector and receive audio high/low toggle switch.

- RMN5035A* UHF Public Safety Microphone with 30 Inch Cord. Includes 450-470 MHz antenna.
- RMN5036A* VHF Public Safety Microphone with 30 Inch Cord. Includes 148-174 MHz antenna.
- RMN5075A* UHF Public Safety Microphone with 24 Inch Cord. Includes 450-470 MHz antenna.
- RMN5076A* VHF Public Safety Microphone with 24 Inch Cord. Includes 148-174 MHz antenna.

RSM and PSM Accessories

An earphone jack located on the microphone head allows the user to receive audio when used with the following earpieces. Compatible with AAHMN9053E, PMMN4021A, RMN5035A, RMN5036A, RMN5075A, and RMN5076A. Features 3.5mm threaded earjack.

- AARLN4885B* Receive-Only Covered Earbud with Coiled Cord.
- RLN4941A* Receive-Only Earpiece with Translucent Tube and Rubber Eartip
- WADN4190B* Receive-Only Flexible Earpiece

MicJackets

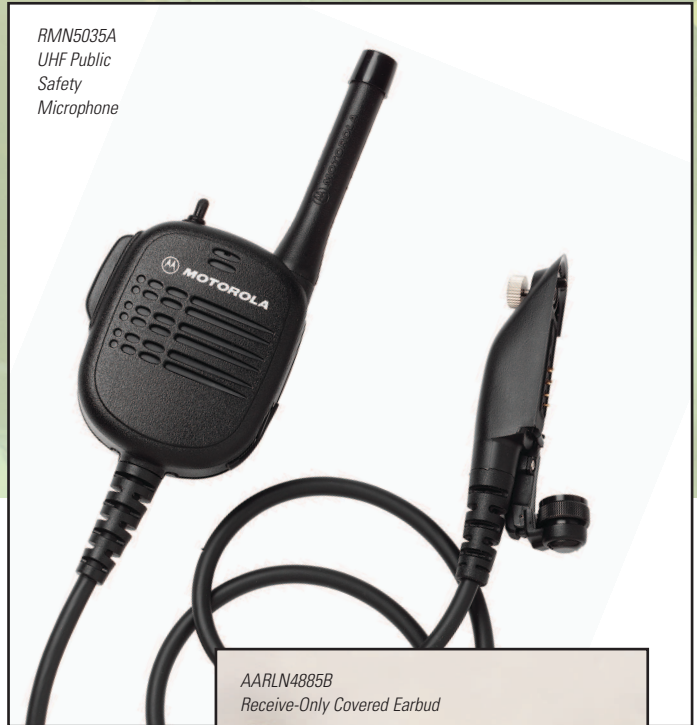
MicJackets provide speaker microphone users with a way to further protect the "head" of their microphone from dust, dirt, metal particles, sweat, body oils and other on-the-job grime. MicJackets also help make handling and interacting with the speaker microphone more hygienic.

- RLN5009A MicJacket – RSM Fits AAHMN9053E.

*Intrinsically Safe.



RLN5009A
MicJacket



RMN5035A
UHF Public
Safety
Microphone



AARLN4885B
Receive-Only Covered Earbud



RLN4941A
Receive-Only Earpiece



WADN4190A
Receive-Only
Flexible Earpiece

An earphone jack located on the microphone head allows the user to receive discreet audio when used with the earpieces shown here.



PR860

audio

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

- AARMN4021A* Receive-Only Earpiece. Beige.
- AARMN4028A* Receive-Only Earpiece. Black.

2 - WIRE SURVEILLANCE KITS

- AARMN4022A* Earpiece with Microphone and PTT Combined. Beige.
- AARMN4029A* Earpiece with Microphone and PTT Combined. Black.

3 - WIRE SURVEILLANCE KITS

- ENMN4017A* Earpiece with Microphone and PTT Separate. Beige.
- ENMN4014A* Earpiece with Microphone and PTT Separate. Black.

Surveillance Kits with Extended-Wear Comfort Earpiece

These kits include a comfort earpiece with a rubber eartip and quick disconnect clear comfortable acoustic tube. Users hear transmissions clearly, while the clear tube provides a discreet appearance.

- RLN5315A 2-Wire, Earpiece w/Microphone and PTT Combined. Black.
- RLN5316A 2-Wire, Earpiece w/Microphone and PTT Combined. Beige.
- 5080370E97 Standard Rubber Eartips, Clear. Pack of 25.

Quick Disconnect Noise Kits

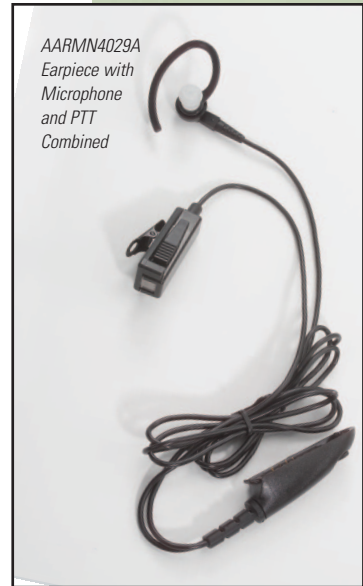
Extreme Noise Kits provide extra comfort and/or noise protection for users wearing surveillance accessories. Lightweight, translucent tube attaches to Motorola surveillance accessories to provide flexibility and comfort, which now includes a new quick disconnect adapter. The Quick Disconnect Adapter 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.
- 5080369E39† Extra Loud Earphone. Beige.
- 5080370E91† Extra Loud Earphone. Black.

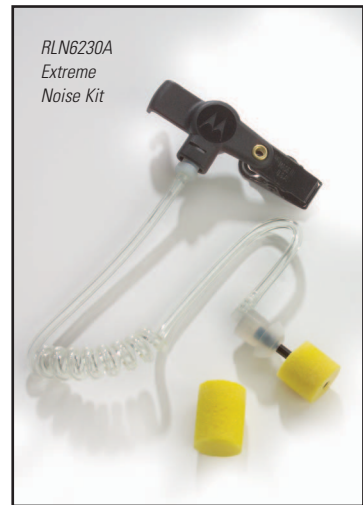
REPLACEMENT ACCESSORIES

- RLN6242A Quick Disconnect Acoustic Tube Replacement
- 5080384F72 Replacement Foam Plugs. Noise reduction = 24dB. Pack of 50. For RLN6230A and RLN6231A.
- 5080370E97 Replacement Standard Clear Rubber Eartips. Pack of 25. For use with RLN6232A and RLN6241A.

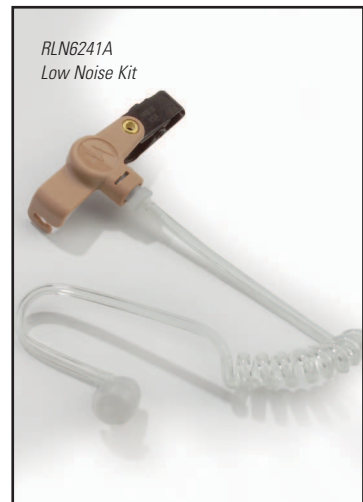
*Intrinsically Safe with FM approved radio.
†Extra loud earphone (exceeds OSHA limits).



AARMN4029A
Earpiece with
Microphone
and PTT
Combined



RLN6230A
Extreme
Noise Kit



RLN6241A
Low Noise Kit

Completely Discreet Earpiece:

Enables private communication without visible equipment.
The receiver is hidden in the ear, where it can be worn comfortably for long periods of time.



Completely Discreet Earpiece

Enables users to communicate with ease, in full privacy, without visible equipment. This miniaturized receiver is discreetly hidden in the ear, where it can be worn comfortably for long periods of time. Small as it is, it offers a full range of audio functions including automatic squelch, automatic gain control and noise filtering. Average battery life is approximately 100 hours and includes an end-of-life warning signal when the battery needs to be changed. Kit includes wireless receiver, inductive neckloop, 6 spare batteries and 5 spare earguards. For use with any standard 2 or 3-Wire Motorola Surveillance Kit.

- RLN4922A Completely Discreet Earpiece Kit
- RLN4919A Replacement Earguards. 5 per pack.
- RNN4055A Replacement 1.4 Volt Batteries. 6 per pack.

Flexible Ear Receiver

This receive-only earpiece contains a flexible earloop and speaker which rests external to the ear. It plugs directly into adapter or the earjack on speaker microphones.

- ENMN4013A* Flexible Ear Receiver
- 7580372E11 Replacement Foam Ear Cushion

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.

- 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

The Completely Discreet Earpiece is easy to use. Simply remove the earpiece from any standard 2 or 3-Wire Motorola Surveillance Kit and plug in the neckloop, which is easily hidden under clothing. Security personnel will be able to wear this tiny receiver comfortably for hours at a time!



ENMN4013A
Flexible Ear
Receiver



From left to right,
top to bottom:

- RLN4765A
- RLN4762A
- RLN4764A
- RLN4761A
- RLN4763A
- RLN4760A

*Intrinsically Safe with FM approved radio.



PR860

audio

Ear Microphone System – EMS

This compact, lightweight unit picks up sound through bone vibrations in the ear. The miniature earpiece leaves the hands free and face unobscured, good for rescue and emergency personnel that must retain the ability to help, hear and speak directly to others, those not on the communication system. EMS may be worn with protective masks without reduction in sound clarity. It's ideal for high-noise environments. PTT or Voice-Activated (VOX) Interface Module required, sold separately.

- BDN6677A* EMS with PTT Interface. Black.
For standard noise levels (up to 95dB).
- BDN6678A* EMS with PTT Interface. Beige.
For standard noise levels (up to 95dB).
- BDN6641A* EMS with PTT Interface. Grey.
For high-noise levels (up to 105dB).
- AARMN4044A* Push-to-Talk Only Interface Module
- AARMN4045A* Push-to-Talk or Voice-Activated Interface Module. VOX operational only on conventional channel.



BDN6677A
EMS with PTT Interface Module

- OPTIONAL ACCESSORIES FOR EMS**
- 0180358B38* Remote Push-to-Talk Ring Switch
 - 0180300E83* Remote Push-to-Talk Body Switch
 - 0180300E25 Earguard with Adjustable Loop
 - 0180358B32 Earholder. Black, small.
Secures Ear Microphone in ear.
 - 0180358B33 Earholder. Black, medium.
Secures Ear Microphone in ear.
 - 0180358B34 Earholder. Black, large.
Secures Ear Microphone in ear.
 - 0180358B35 Earholder. Clear, small.
Secures Ear Microphone in ear.
 - 0180358B36 Earholder. Clear, medium.
Secures Ear Microphone in ear.
 - 0180358B37 Earholder. Clear, large.
Secures Ear Microphone in ear.
 - 4202006A01 Replacement Back Cover Clip
 - 4285838B01 Replacement Collar Clip
 - 4280369E44 Replacement Belt Clip with Screws
 - 5080358B28 Eartips. Black, medium. Pack of 10.
 - 5080358B29 Eartips. Black, large. Pack of 10.
 - 5080358B30 Eartips. Beige, medium. Pack of 10.
 - 5080358B31 Eartips. Beige, large. Pack of 10.
 - 0180305J46 Training CD-ROM
 - For EMS and Temple Transducer.



0180300E25
Earguard with
Adjustable Loop

BDN6641A
EMS with PTT
Interface



Temple Transducer:

Representing a significant achievement in headset design and functionality, it allows the user to receive audio without covering the ear.

Temple Transducer

The receiver portion of this accessory rests on the temples and is capable of converting the receive audio from a two-way radio into sound vibration. Sound vibration is transmitted through the surrounding tissue and bone directly into the inner ear. It features an In-line PTT and noise-cancelling boom microphone. The Temple Transducer can help enhance communication and safety by allowing external sounds, such as machinery and equipment, warning and fire alarms, the intercom, traffic and even casual conversations with co-workers. In high-noise environments it allows the use of earplugs.

- RMN4048A* Temple Transducer
- RMN5048B* Rugged Temple Transducer
- 0180305J46 Training CD-ROM. For EMS and Temple Transducer.



RMN4048A
Temple Transducer

CommPort™ Integrated Microphone/Receiver System

The CommPort System's advanced, self-adjusting microphone and miniature receiver connect to a two-way radio and make it possible to communicate under the most adverse conditions. A variety of Push-to-Talk options allow the user to customize the CommPort system.

- NTN1722A* Integrated Ear Microphone/Receiver System with PTT on Radio Adapter. Includes Radio adapter AAHLN9717A.
- NTN1723A* Integrated Ear Microphone/Receiver System with Palm PTT. Includes Radio adapter AAHLN9717A.
- NTN1724A* Integrated Ear Microphone/Receiver System with Ring PTT. Includes Radio adapter AAHLN9717A.
- NTN1737A* Integrated Ear Microphone/Receiver System with Snap-On-Side PTT. Includes Radio adapter AAHLN9717A.
- NNTN4187A* Integrated Ear Microphone/Receiver System with Body PTT. Includes Radio adapter AAHLN9717A.
- AAHLN9717A* Radio Adapter



RMN5048B
Rugged Temple
Transducer

COMMPORT REPLACEMENT PARTS

- NKN6508A Replacement Cable for NTN1722A
- NKN6510A Replacement Palm PTT Cable for NTN1723A
- NKN6512A Replacement Ring PTT Cable for NTN1724A
- NKN6525A Replacement Snap-on-Side PTT Cable for NNTN4187A
- NNTN4188A Replacement Body PTT Cable for NNTN4187A
- NTN8821A CommPort Maintenance Kit. Includes 10 replacement ear tubes, 10 microphone seal strips and 2 windscreens.
- NTN8986A Adhesive Pads. For secure attachment to ear. Pack of 90.
- NTN8988A Ear Straps. For secure attachment to ear. Pack of 10.
- RLN5037A Replacement Ear Tubes. Pack of 10.



NTN1722A
Integrated Ear
Microphone/Receiver
System with PTT

*Intrinsically Safe with FM approved radio.



PR860

audio

Receive-Only Headsets

These headsets are the right choice for high-noise environments where users must hear information clearly, but seldom need to transmit. Dual-Muff headsets feature easily replaceable earseals filled with a liquid and foam combination to provide excellent protection from outside noise as well as comfort. For use with AAHMN9053E, RMN5035, RMN5036, RMN5075, RMN5076 and PMMN4021A.

- RMN4054B Hardhat Mount Style Headset. Mounts easily to hardhats (not included) with slots. Noise Reduction = 22dB.
- RMN4055B Headband Style Headset. Noise Reduction = 24dB.

Lightweight Headsets

Lightweight headsets provide high-clarity, hands free, discreet two-way communication, while maintaining the comfort necessary for extended-wear in moderate noise environments.

- AARMN4018B* Single-Muff, Adjustable, Lightweight Headset with Boom Microphone, In-Line PTT Switch
- AARMN4031B* Lightweight Headset with Swivel Boom Microphone, no In-Line PTT Switch
- ENMN4012A* Ultra-Light Headset, Behind-the-Head Style with Flexible Boom Microphone, In-Line PTT Switch
- AARMN4017A* Ultra-Light Headset with Boom Microphone. Earbud Style Receiver
- REX4648A Replacement Foam Earpad and Windscreen. For AARMN4018A, and AARMN4031A.

Racing Headset

This heavy-duty headset can be worn with most hardhats. It's ideal for high-noise environments, racing teams like CART® use it in the pits for dependable communication. Adapter required.

- RMN5015A Racing Headset
- RKN4091A Adapter Cable for RMN5015A

NFL® Style Headsets

NFL® Style Headsets are similar to the headsets worn by Coaching Staff in the NFL.

- RMN5047A NFL® Style Single-Muff, Heavy-Duty Headset with Swivel Boom Microphone.
- AAHLN9716C Adapter Cable

*Intrinsically Safe with FM approved radio.



RMN4055B
Headband Style
Headset

AARMN4017A
Ultra-Light
Headset with Boom
Microphone



RMN5047A
NFL® Style
Single-Muff,
Heavy-Duty
Headset with
Swivel Boom
Microphone

Tactical Headband Style Headset:

Easily replaceable ear seals are filled with a liquid and foam combination to provide excellent sealing and comfort in high-noise environments.

Medium Weight Headsets

Medium Weight Dual-Muff headsets offer high-clarity sound with the additional hearing protection necessary for providing consistent, clear, communication in harsh, noisy situations.

AARMN4019A*	Medium Weight, Dual-Muff, Over-the-Head Style, Headset with In-Line PTT and Noise-Cancelling Swivel Boom Microphone. Noise Reduction = 24dB.
AARMN4032A*	Medium Weight, Dual-Muff, Over-the-Head Style, Headset with Noise-Cancelling Swivel Boom Microphone. Noise Reduction = 24dB. VOX operational only on conventional channel.
ENMN4016A*	Medium Weight, Dual-Muff, Behind-the-Head Style Headset with Swivel Boom Microphone and In-Line PTT. Noise Reduction = 24dB.
RMN4051B	Medium Weight, Dual-Muff, Two-way, Hardhat Mount Headset with Noise-Cancelling Boom Microphone
RKN4097A	In-Line PTT Adapter Cable. For RMN4051B.

MEDIUM WEIGHT HEADSET REPLACEMENT PARTS

1580376E32	Replacement Cloth Covers Earseals. 1 pair.
3280376E35	Replacement O Ring for Windscreen
5080548E02	Replacement Windscreen for Boom Microphone
7580376E34	Replacement Foam Ear Seals. 1 pair.

Tactical Medium Weight Headsets

Ideal for two-way communication in extremely noise environments.

Dual-Muff, tactical headsets have 2 microphones on the outside of the earcups which reproduce ambient sound back into headset. Harmful sounds are suppressed to safe levels and low sounds are amplified up to 5 times original level, but never more than 82dB. Has on/off volume control on earcups. Easily replaceable ear seals are filled with a liquid and foam combination to provide excellent sealing and comfort. 3-foot coiled cord assembly included. Adapter Cable RKN4097A required. Hardhat not included.

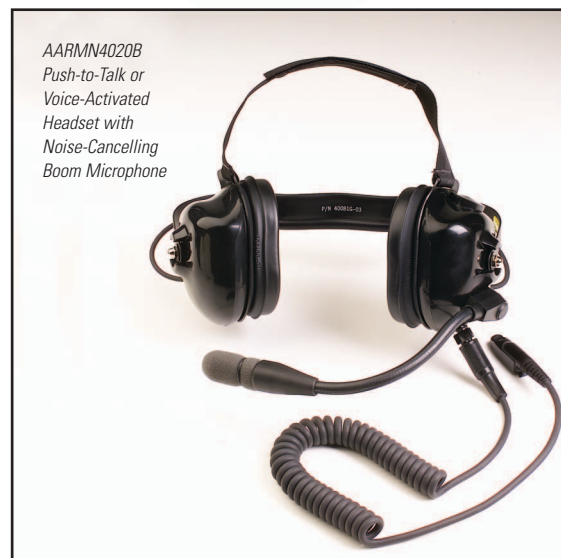
RMN4052B	Tactical Headband Style Headset. Grey, Noise Reduction = 24dB.
RMN4053B	Tactical Hardhat Mount Headset. Grey, Noise Reduction = 22dB.
RKN4097A	Adapter Cable with In-Line Push-to-Talk For use with RMN4052B, and RMN4053B.

Heavy-Duty Headset

Includes a noise-cancelling boom microphone 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. Requires adapter AAHLN9716C, sold separately.

AARMN4020B*	Push-to-Talk or Voice-Activated Headset with Noise-Cancelling Boom Microphone. Noise Reduction = 24dB. VOX operation only on conventional channel.
AAHLN9716C*	Adapter Cable

*Intrinsically Safe with FM approved radio.





PR860

carry accessories

Carry Cases

Carrying cases are available in sizes designed to fit your radio and battery and permit audio to be heard clearly. Belt loop and nylon cases feature "D" rings that allow the cases to be attached to a carrying strap. Swivel model cases secure to a belt loop and allow the case to swing freely from side to side. The swivel latch system also allows the radio and case to be removed from the belt loop by simply inverting the case and lifting it up and out of the belt loop.

- | | PR860 STANDARD MODEL |
|----------|--|
| HLN9665A | Leather Carry Case with Belt Loop
For use with NiCd and NiMH batteries. |
| HLN9652A | Leather Carry Case with Belt Loop
For use with Li-ion batteries. |
| HLN9676A | Leather Carry Case with Swivel
For use with NiCd and NiMH batteries. |
| HLN9670A | Leather Carry Case with Swivel
For use with Li-ion batteries. |
| HLN9701B | Nylon Carry Case with Belt Loop
For use with NiCd, NiMH,
and Li-ion batteries. |
| HLN9952A | Carry Holder Belt Clip |



HLN9694A
Leather
DTMF Case
with Swivel Belt Loop

Carry Accessories:

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

Carry Accessories

Organized types love the convenience of Motorola Original® carrying accessories — and no wonder. They can help assure your two-way radios are always good to go.

NTN8039B	2.5 Inch Leather High-Activity Swivel Belt Loop
NTN8040B	3 Inch Leather High-Activity Swivel Belt Loop
4200865599	1.75 Inch Wide Leather Belt. For all Models

CARRYING CASE BELT LOOPS

HLN9714A	Spring Action 2.5 Inch Belt Clip
HLN9844A	Spring Action 2 Inch Belt Clip

BELT CLIPS

NTN5243A	Adjustable, Black Nylon Carrying Strap Attaches to D-ring on cases.
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CARRYING STRAP

HLN9985B	Waterproof Bag with Large Strap
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WATERPROOF BAG

TDN9327A	Portable Radio Hanger For door panels up to 2.75 inches.
TDN9373A	Portable Radio Hanger For door panels up to 2.75 to 3.25 inches.

MISCELLANEOUS



HLN9844A
Spring Action
2 Inch Belt Clip



NTN8039B
2.5 Inch
Leather Swivel
Belt Loop



NTN8040B
3 Inch Leather
High-Activity Swivel
Belt Loop



4200865599
1.75 Inch Wide Leather Belt



NTN5243A
Adjustable,
Black Nylon
Carrying Strap



PR860

carry packs

Universal 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 most radios.

- HLN6602A Universal Chest Pack with Radio Holder, Pen Holder and Velcro Secured Pouch Not for use with HT1250·LS+, 700 MHz models.
- 1505596Z02 Replacement Strap for HLN6602A

Break-A-Way Chest Pack

All the features of the original Universal Chest Pack 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 RLN4570A

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.



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 batteries are ruggedly designed for lasting durability and are system tested with Motorola two-way radios to ensure optimum performance.



batteries

IMPRES™ Batteries

IMPRES™ batteries, when used with an IMPRES™ charger, provide automatic, adaptive reconditioning, end-of-life display and other advanced features. Data is stored in the battery and communicated to the charger via a unique IMPRES™ communication protocol which is designed to maximize talk-time and optimize battery cycle life – all automatically.

HNN4001A	NiMH, 1800 mAh, 7.2 Volt
HNN4002A	NiMH, 1690 mAh, 7.2 Volt. Intrinsically Safe.
HNN4003A	Li-ion, 2000 mAh, 7.2 Volt

Motorola Original® Batteries

Motorola Original® Batteries are ruggedly designed for lasting durability and are system tested with Motorola two-way radios to ensure optimum performance. We offer various chemistry and capacity alternatives, allowing the user to select the ideal battery for his or her needs. NiCd is best suited for extreme-temperature operation, and provides the maximum number of charge/discharge cycles. Li-ion batteries offer extended duty cycles – providing more talk time per shift.

	PREMIUM NICKEL CADMIUM - NiCd
HNN9011BR	NiCd, 1200 mAh, 7.5 Volt. Intrinsically Safe.
HNN9012BR	NiCd, 1300 mAh, 7.5 Volt
	PREMIUM NICKEL METAL HYDRIDE - NiMH
HNN9008AR	NiMH, 1500 mAh, 7.5 Volt. Not compatible with low band radios.
HNN9009AR	NiMH, 1900 mAh, 7.5 Volt
HNN9010AR*	NiMH, 1800 mAh, 7.5 Volt. Intrinsically Safe.
	PREMIUM LITHIUM ION - Li-ion
HNN9013DR	Li-ion, 1500 mAh, 7.5 Volt
	POWER NICKEL METAL HYDRIDE - NiMH
WPNN4045AR	NiMH, 1200 mAh, 7.5 Volt
	CLAMSHELL
NNTN5332A	Disposable Clamshell Battery. Black. Requires 12 AA alkaline batteries, not included.

*Intrinsically Safe with FM approved radio.



antennas

Flexible Whip Antennas

Flexible Whip Antennas have a one-piece finish, steel core, and spiral wound conductor for optimal radiation characteristics.

8504762J01*	VHF Whip Antenna, 136-155 MHz, 5.5 Inch
PMAD4023A*	VHF Whip Antenna, 150-161 MHz, 5.5 Inch
8504762J02*	VHF Whip Antenna, 155-174 MHz, 5.5 Inch
NAE6483AR*	UHF Flexible Whip Antenna, 403-512 MHz, 6 Inch
NAD6502AR*	VHF Heliflex Antenna, 150-162 MHz, 6 Inch
NAD6579A*	VHF Whip Antenna, 148-161 MHz, 7.5 Inch
NAB6064A*	Low Band, Heliflex 29.7-50 MHz, 12 Inch

Stubby Antennas

Stubby antennas are ideal when the radio is worn on the belt because they are short and non-obtrusive. These rugged, helical antennas feature a capless sheath that allows for maximum flexibility.

PMAD4012A*	VHF Stubby Antenna, 136-155 MHz, 3.5 Inch
PMAD4025A*	VHF Stubby Antenna, 150-161 MHz, 3.5 Inch
PMAD4013A*	VHF Stubby Antenna, 155-174 MHz, 3.5 Inch
PMAE4002A*	UHF Stubby Antenna, 403-433 MHz, 3.5 Inch
PMAE4003A*	UHF, Stubby, 430-470 MHz, 3.5 Inch



PR860

chargers

Single-Unit Rapid-Rate, Universal Chargers

Single-Unit Chargers can rapidly charge batteries on or off the radio in one to three hours. These tri-chemistry chargers feature rapid, trickle, and maintenance modes. The maintenance mode "revert to rapid" feature ensures batteries remain fully charged even when left on the charger for extended periods of time. All chargers are specifically designed to meet the requirements of batteries manufactured by Motorola.

- AAHTN3000D Single-Unit, Rapid-Rate Charger, 120 Volt, US plug
- HLN9793A Charger Insert Spacer. Compatible with "A" version Chargers only.
- HLN9794B Charger Insert Spacer. Compatible with "B", "C" and "D" version Chargers.

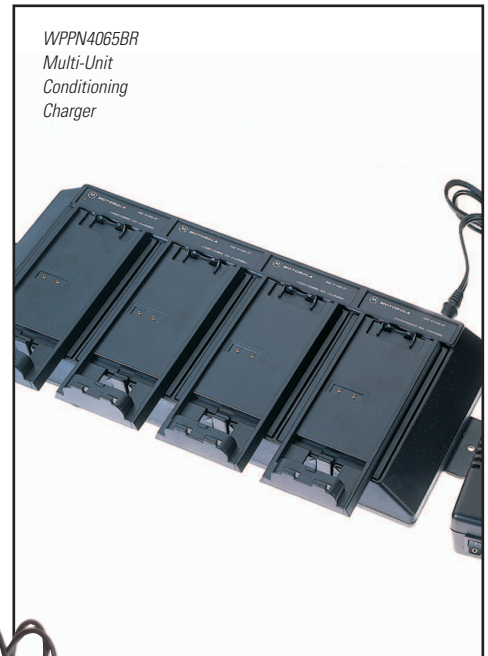


AAHTN3000D
Single-Unit,
Rapid-Rate
Charger.
Radio sold
separately.

Motorola Conditioning Chargers – MCC

The MCC features Instant Fault Detection technology that detects faulty batteries in seconds. You'll know right away when a battery won't operate at peak performance - saving you time and trouble. Each unit rapidly charges NiCd and NiMH batteries and optimizes battery performance. It's patented negative pulse charging process minimizes overheating and overcharging, extending useful battery life. Batteries can be left on the charger for extended periods of time, without worry of heat build-up. Optional accessories are available that allow the MCC to be used in both AC and DC environments – that's flexibility.

- WPLN4107BR Charger Kit, 120 Volt AC. Includes both Base Charger Unit and 7 Volt Adapter Plate.
- WPLN4106BR Charger Kit, 220 Volt AC. Includes both Base Charger Unit and 7 Volt Adapter Plate.
- WPPN4065BR Multi-Unit Conditioning Charger, 4-Station Base, 120 Volt. Adapter Plate sold separately.
- WPPN4082BR 7 Volt Adapter Plate
- 3080384G15 Vehicular Power Adapter
- RLN4814A Vehicular Mounting Bracket and Hard Wire Cable For Single-Unit Motorola Conditioning Chargers. Includes DC Hard Wire Cable 3080384M21.
- 3080384M21 DC Hard Wire Cable. For vehicular installation.



WPPN4065BR
Multi-Unit
Conditioning
Charger



RLN4814A
Vehicular Mounting
Bracket and
Hard Wire
Cable

IMPRES™ Smart Energy System:

The IMPRES™ Smart Energy System automatically reconditions IMPRES™ batteries based on actual usage.

IMPRES™ Smart Energy Systems

IMPRES™ Chargers

Through the use of advanced charging algorithms and automatic reconditioning features, the IMPRES™ Smart Energy System ensures maximum talk-time and optimized battery cycle life. This smart energy system automatically reconditions IMPRES™ batteries based on actual usage, keeping them in peak condition. Talk-time and cycle life are optimized and the need for manual maintenance programs is eliminated. Its advanced conditioning features allow batteries to be safely left on the charger for extended periods of time without incurring the damaging heat build-up which can decrease battery cycle life. In addition, batteries left in the charger are kept fully charged so they are always ready when needed. This rapid-rate, tri-chemistry charging system will also charge compatible non-IMPRES™ batteries and supports multiple radio platforms.

WPLN4182A	IMPRES™ Single-Unit Charger, 120 Volt - US
WPLN4183A	IMPRES™ Single-Unit Charger, 240 Volt - UK
WPLN4184A	IMPRES™ Single-Unit Charger, 220 Volt - Euro
WPLN4187A	IMPRES™ Multi-Unit Charger, 120 Volt - US
WPLN4188A	IMPRES™ Multi-Unit Charger, 240 Volt - UK
WPLN4189A	IMPRES™ Multi-Unit Charger, 220 Volt - Euro

IMPRES™ Multi-Unit Chargers with Display Modules

Charger Display Modules provide powerful, "real time" analyzing information for IMPRES batteries, including current charge status, battery mAh, and voltage. Readout displays battery kit number, serial number and chemistry and the time remaining to complete the charge for NiCd and NiMH batteries. 120 Volt.

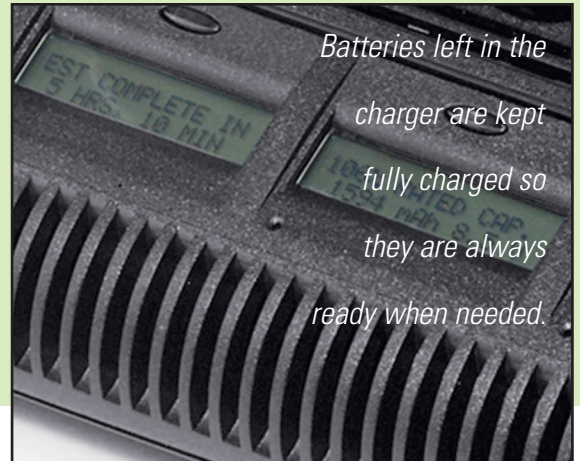
WPLN4192A	IMPRES™ Multi-Unit Charger with Display Modules
NLN7967A	Wall Mount for Multi-Unit Charger

IMPRES™ Individual Charger Display Module

This module is compatible with the standard IMPRES™ Multi-Unit Chargers WPLN4187A, WPLN4188A and WPLN4189A. Up to 6 modules can be used per charger, one for each charging pocket. Includes detailed installation instructions. 120 Volt.

RLN5382A	Charger Display Module for IMPRES Multi-Unit Charger Version 1.3 or Later.
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Note: Display Modules compatible with Multi-Unit Charger version 1.2 or earlier require a software flash update. Version number is located on label on the bottom of the IMPRES™ Multi-Unit charger. If no version is shown, it is earlier than version 1.2. Version 1.2 will appear as V1.20, 1.3 will appear as V1.30, etc.

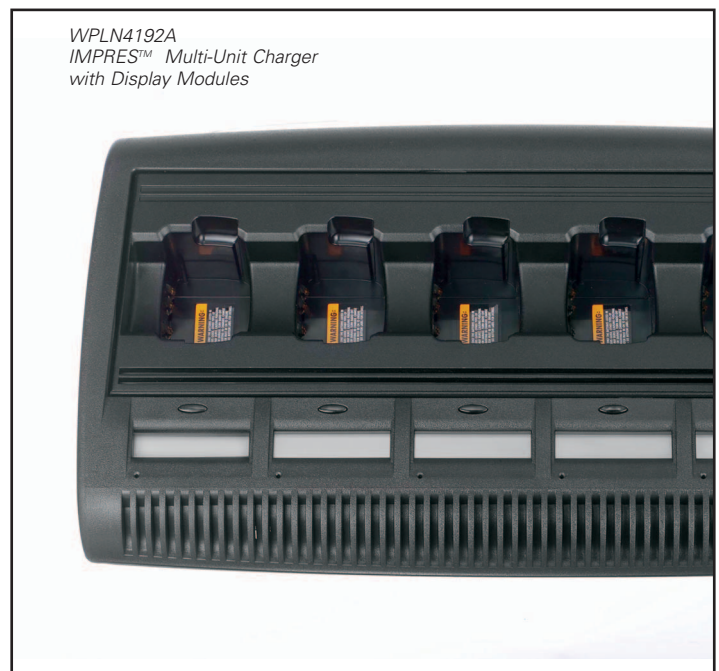


Batteries left in the charger are kept fully charged so they are always ready when needed.



WPLN4182A
IMPRES™
Single-Unit Charger

WPLN4187A
IMPRES™
Multi-Unit Charger



WPLN4192A
IMPRES™ Multi-Unit Charger
with Display Modules



PR860

battery analyzers

Battery Maintenance System^{PLUS} – BMS^{PLUS}

Increase the useful life of your batteries. Using interchangeable battery adapters (sold separately), the BMS^{PLUS} is capable of charging and discharging, analyzing, conditioning and cycle testing batteries. It supports NiCd, NiMH and Li-ion batteries (Li-ion 6-station units only) and tracks better voltage and capacity (mAh). Its easy-to-use design supports hundreds of two-way, cellular and camcorder batteries. The BMS^{PLUS} has a 3-year warranty and includes serial printer* port (RS-232).

- WPLN4079BR 6-Station BMS^{PLUS}, 120V, AC, 50/60 Hz - US Plug
- WPLN4080BR 6-Station BMS^{PLUS}, 230V, AC, 50/60 Hz - Euro Plug
- WPPN4085AR BMS^{PLUS} Li-ion Field Upgrade Kit. Upgrades WPLN4079AR, WPLN4080AR, WPLN4081AR. Allows units to support Li-ion batteries.
- NDN4005B 3-Station BMS^{PLUS}, 120V, AC, 50/60 Hz. Does not support Li-ion or 3-cell batteries.
- NDN4006B 3-Station BMS^{PLUS}, 230V, AC, 50/60 Hz. Does not support Li-ion or 3-cell batteries.

BMS^{PLUS} ADAPTERS

- WPPN4079AR Adapter. For NiCd and NiMH batteries.
- WPPN4080AR Adapter. For NiCd, NiMH, and Li-ion batteries. Requires Li-ion capable BMS^{PLUS}.

*Compatible with the STAR Micronics SP200 Series printers (and other printers with STAR emulation); available from STAR Micronics distributors.

Battery Optimizing System II – BOS II

No other battery analyzer matches the speed, accuracy, versatility and ease-of-use of the BOS II in providing powerful analyzing capabilities. Users can select from 12 pre-programmed service programs making it quick and easy to get up and running. Because the BOS II is programmable, users can create custom programs to perform a wide variety of tasks specific to individual needs. New enhancements include new navigation keys and an improved, more intuitive menu system. Regular use of the BOS II can optimize battery performance and help extend battery life, helping reduce battery replacement costs.

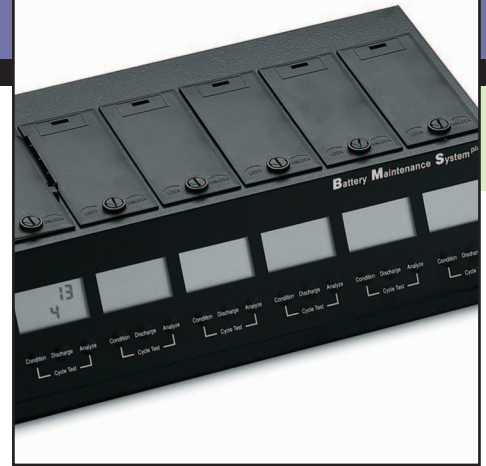
- Support for NiCd, NiMH, Li-ion, and SLA batteries 100W Power Supply programmable from 100 mAh to 4 Amps per station
- Interchangeable Adapters accommodate all major brands
- Includes a variety of Programs and allows customizable programming
- Proprietary Recondition Cycle restores NiCd and NiMH batteries
- Increased processing power and testing resolution – including a Three-minute Quicktest™ that measures the batteries' State of Health (SoH) Printer Output for reports and labels
- Three-year Warranty

- WPLN4124AR BOS II, 4-Station, 90-240V, AC - US Adapter Plates Required.
- WPLN4125AR BOS II, 4-Station, 90-240V, AC - Euro/UK Adapter Plates Required.

BOS ADAPTERS

- RL-76345 Standard Adapter for BOS I
- RL76340 Standard Adapter for BOS II

WPLN4079BR
6-Station Battery
Maintenance System^{PLUS}



NDN4005B
3-Station Battery Maintenance
System^{PLUS}



WPLN4124AR
4-Station Battery Optimizing
System II



Vehicular Travel Chargers:

Always a great traveling companion for Road Warriors, travel chargers can help ensure constant communication while on the road.

Vehicular Travel Charger

A great traveling companion that ensures constant communication while on the road. Its small compact design allows the radio to be used while rapid charging in the charger base. Unit includes a voltage regulated vehicular charger adapter, custom charger base, mounting bracket and coil cord.

RLN4883A Vehicular Travel Charger. Includes Mounting Bracket 0780384K84.
RLN5914A Travel Charger Mounting Bracket Kit. Includes screws and nylon cord.

TRANSFORMERS FOR TRAVEL CHARGER

2580600E05 Transformer, 120V - US
2580600E06 Transformer, 230V - Euro
2580600E07 Transformer, 230V - UK
2580600E08 Transformer, 220V - Argentina

Vehicular Charger

This 12 Volt DC rapid-rate charger is ideal for mobile customers. Capable of charging NiCd, NiMH, and Li-ion batteries. This durable unit comes with a metal mounting bracket. Its drop-in design makes it ideal for public safety users.

RLN5233A Vehicular Charger

Vehicular Adapters

Now customers working in areas such as Public Safety and Utilities can both charge and operate portable two-way radios inside a vehicle. These Vehicular Adapters detect the chemistry of the portable battery and select the optimum charging method while providing power for in-vehicle use. In addition, an Antenna Adapter allows automatic switching to an external Vehicle-mounted Antenna (sold separately) for extended range. These kits include the Vehicle Adapter, Microphone, RF Adapter, Battery Spacers, Technical Installation Manual, and Programming Software. 3db gain antennas are recommended for use with these vehicular adapters.

AAEN1006B VHF Vehicular Adapter, 136-174 MHz
AAEN1007B UHF Vehicular Adapter, 403-470 MHz
5880367B23 Connector Adapter, BNC Female
5880367B28 Connector Adapter, BNC Male
ENKN4002A Programming Cable
Required for use with external speaker or HT1250-LS operation.
ENKN4003A Audio Service Cable. For use with HT1250-LS RLN4460C test box.
GSN6059A External 13-Watt Speaker
GKN6270A Power Cable with 10A Fuse

REPLACEMENT PARTS & MANUALS

ENLN4103A VHF Antenna Adapter, 136-174 MHz
ENLN4104A UHF Antenna Adapter, 403-470 MHz
GMN6146C Hand-held Mobile Microphone
ENLN4117A Vehicle Connector Kit
WALN4078A Battery Spacer Kit
8264934B01 Programming Software
6881093C78 User Manual
6881093C79 Technical Manual

RLN4883A
Vehicular
Travel Charger



RLN5233A
Vehicular Charger



AAEN1006B

VHF Vehicular Adapter,
Remote Speaker Microphone
included.



HT Series

Motorola Original® Accessories let you make the most of your HT portable radio's capabilities.

You made a sound business decision when you chose your Motorola HT Professional Series Two-way radio. When you choose performance-matched Motorola Original® accessories, you're making another good call.

That's because every Motorola Original® accessory is designed, built and rigorously tested to the same quality standards as Motorola radios. So you can be sure that each will be ready to do its job, time after time — helping to increase your productivity. After all, if you take a chance on a mismatched battery, a flimsy headset, or an ill-fitting carry case, your radio may not perform at the moment you have to use it.

We're pleased to bring you this collection of proven Motorola Original® accessories for your important business communication needs. You'll find remote speaker microphones for more convenient control. Discreet earpiece systems to help ensure privacy and aid surveillance. Carry cases for ease when on the move. Headsets for hands-free operation. Premium batteries to extend work time, and more. They're all ready to help you work smarter, harder and with greater confidence.

HT Series Professional Radios are a practical, reliable solution for keeping users communicating and keeping productivity high.

HT SERIES PROFESSIONAL RADIOS

Motorola HT Series Professional Portable Radios are the right choice for users with advanced communication needs. No matter what HT portable you use, you'll enjoy the same exceptional quality and user-friendly functionality.

The HT Series is composed of 4 robust portable radios tailored to meet the requirements of almost any organization. They offer unrivaled crystal-clear audio quality even in noisy surroundings, thanks to Motorola's X-Pand™ voice technology. In addition, they have all passed Motorola's grueling Accelerated Life Test which simulates five years of hard use in the field.

HT750™

HT1250™

HT1250-LS™

HT1550-XLS™



*RLN4883A
Vehicular
Travel Charger.
Radios sold separately.*



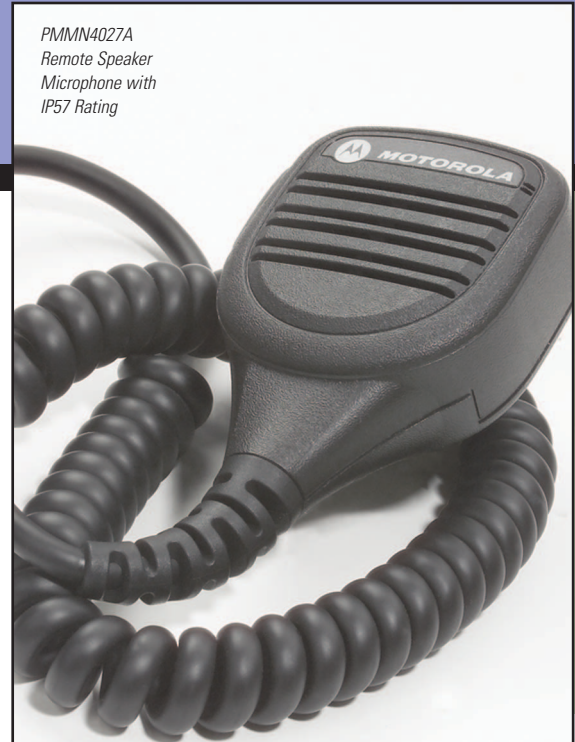
HT Series

audio

Windporting Remote Speaker Microphones

The Windporting feature of these microphones helps lessen background noise from high winds and other severe weather conditions. Audio can pass through the speaker grill even when the microphone port is blocked by water. Now public safety professionals can be more confident than ever of clear, understandable communication when Mother Nature is uncooperative. The Windporting Remote Speaker Microphones allow talking and listening without removing the radio from the belt or case. Both have a coiled cord, Push-to-Talk switch, swivel clip, and quick disconnect latch.

- PMMN4021A* Remote Speaker Microphone with 3.5mm Audio Jack
- PMMN4027A* Remote Speaker Microphone with IP57 Rating



Remote Speaker Microphone – RSM

This Remote Speaker Microphone is water-resistant and allows talking and listening without removing the radio from the belt or case. It has a coiled cord and Push-to-Talk switch. Clothing clip on the microphone back clips securely onto shirt or collar. Ideal for high-noise environments.

- AAHMN9053E* Noise-Cancelling Remote Speaker Microphone with 3.5mm Audio Jack
- HKN9055A Replacement Cable for Remote Speaker Microphone

Heavy-Duty Remote Speaker Microphone

Ideal for firefighters, police and other public safety professionals, this remote speaker microphone lets users talk and listen without removing the radio from the belt, case or charger. Designed with an exceptionally rugged housing for harsh environmental conditions. Controls include a Push-to-Talk (PTT) Button and Hi-Low Volume Control. Includes coiled cord, clothing clip, and audio jack.

- RMN5055A* Heavy-Duty Remote Speaker Microphone with 3.5mm Audio Jack



*Intrinsically Safe.

Public Safety Microphones:

Emergency professionals will appreciate the reliability of these microphones. They're designed to help increase coverage so users can communicate clearly and accurately.



RMN5035A
UHF Public
Safety
Microphone

Public Safety Microphones – PSM

The newly designed Public Safety Microphones feature a straight cord assembly, 3.5mm earjack, swivel clip, quick disconnect latch, antenna connector and receive audio high/low toggle switch.

- RMN5035A* UHF Public Safety Microphone with 30 inch Cord. Includes 450-470 MHz antenna.
- RMN5036A* VHF Public Safety Microphone with 30 inch Cord. Includes 148-174 MHz antenna.
- RMN5075A* UHF Public Safety Microphone with 24 inch Cord. Includes 450-470 MHz antenna.
- RMN5076A* VHF Public Safety Microphone with 24 inch Cord. Includes 148-174 MHz antenna.

RSM and PSM Accessories

An earphone jack located on the microphone head allows the user to receive audio when used with the following earpieces. Compatible with AAHMN9053E, PMMN4021A, RMN5035A, RMN5036A, RMN5075A, and RMN5076A. Features 3.5mm threaded earjack.

- AARLN4885B* Receive-Only Covered Earbud with Coiled Cord.
- RLN4941A* Receive-Only Earpiece with Translucent Tube and Rubber Eartip
- WADN4190B* Receive-Only Flexible Earpiece

MicJackets

MicJackets provide speaker microphone users with a way to further protect the "head" of their microphone from dust, dirt, metal particles, sweat, body oils and other on-the-job grime. MicJackets also help make handling and interacting with the speaker microphone more hygienic.

- RLN5009A MicJacket – RSM Fits AAHMN9053E.



RLN5009A

MicJacket

*Intrinsically Safe.



AARLN4885B
Receive-Only Covered Earbud

An earphone jack located on the microphone head allows the user to receive discreet audio when used with the earpieces shown here.



RLN4941A
Receive-Only Earpiece



WADN4190A
Receive-Only Flexible Earpiece



HT Series

audio

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 |
| AARMN4021A* | Receive-Only Earpiece. Beige. |
| AARMN4028A* | Receive-Only Earpiece. Black. |
| | 2 - WIRE SURVEILLANCE KITS |
| AARMN4022A* | Earpiece with Microphone and PTT Combined. Beige. |
| AARMN4029A* | Earpiece with Microphone and PTT Combined. Black. |
| | 3 - WIRE SURVEILLANCE KITS |
| ENMN4017A* | Earpiece with Microphone and PTT Separate. Beige. |
| ENMN4014A* | Earpiece with Microphone and PTT Separate. Black. |

Surveillance Kits with Extended-Wear Comfort Earpiece

These kits include a comfort earpiece with a rubber eartip and quick disconnect clear comfortable acoustic tube. Users hear transmissions clearly, while the clear tube provides a discreet appearance.

- | | |
|------------|--|
| RLN5315A | 2-Wire, Earpiece w/Microphone and PTT Combined. Black. |
| RLN5316A | 2-Wire, Earpiece w/Microphone and PTT Combined. Beige. |
| 5080370E97 | Standard Rubber Eartips, Clear. Pack of 25. |

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, which now includes a new quick disconnect adapter. 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.

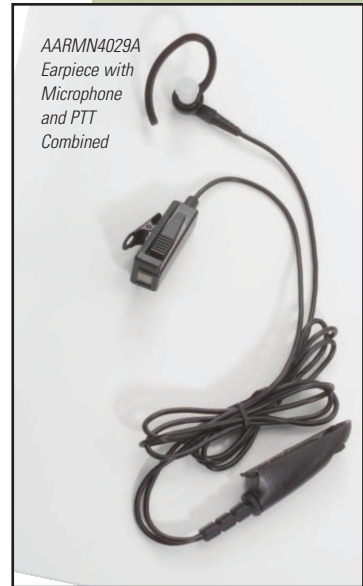
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| RLN6230A | Extreme Noise Kit. Includes 2 foam earplugs.
For high-noise environments. Noise reduction = 24dB.
Can be used with Clear Comfortable Earpieces. Black. |
| RLN6231A | Extreme Noise Kit. Includes 2 foam earplugs
For high-noise environments. 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. |
| 5080369E39† | Extra Loud Earphone. Beige. |
| 5080370E91† | Extra Loud Earphone. Black. |

REPLACEMENT ACCESSORIES

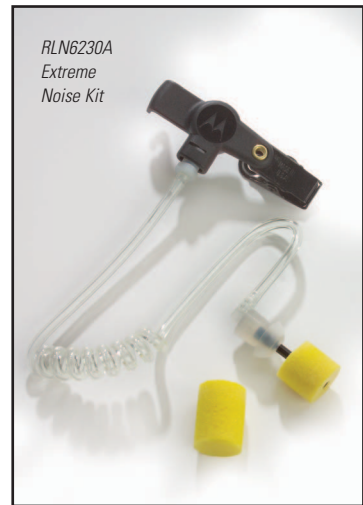
- | | |
|------------|---|
| RLN6242A | Quick Disconnect Acoustic Tube Replacement |
| 5080384F72 | Replacement Foam Plugs. For RLN6230A and RLN6231A.
Noise reduction = 24dB. Pack of 50. |
| 5080370E97 | Replacement Standard Clear Rubber Eartips. Pack of 25.
For RLN6232A and RLN6241A. |

*Intrinsically Safe.

†Extra loud earphone (exceeds OSHA limits).



AARMN4029A
Earpiece with
Microphone
and PTT
Combined



RLN6230A
Extreme
Noise Kit



RLN6241A
Low Noise Kit

Completely Discreet Earpiece:

*Enables private communication without visible equipment.
The receiver is hidden in the ear, where it can be worn comfortably for long periods of time.*



Completely Discreet Earpiece

Enables users to communicate with ease, in full privacy, without visible equipment. This miniaturized receiver is discreetly hidden in the ear, where it can be worn comfortably for long periods of time. Small as it is, it offers a full range of audio functions including automatic squelch, automatic gain control and noise filtering. Average battery life is approximately 100 hours and includes an end-of-life warning signal when the battery needs to be changed. Kit includes wireless receiver, inductive neckloop, 6 spare batteries and 5 spare earguards. For use with any standard 2 or 3-Wire Motorola Surveillance Kit.

RLN4922A	Completely Discreet Earpiece Kit
RLN4919A	Replacement Earguards. 5 per pack.
RNN4005A	Replacement 1.4 Volt Batteries. 6 per pack.

The Completely Discreet Earpiece is easy to use. Simply remove the earpiece from any standard 2 or 3-Wire Motorola Surveillance Kit and plug in the neckloop, which is easily hidden under clothing. Security personnel will be able to wear this tiny receiver comfortably for hours at a time!



Flexible Ear Receiver

This receive-only earpiece contains a flexible earloop and speaker which rests external to the ear. It plugs directly into adapter or the earjack on speaker microphones.

ENMN4013A*	Flexible Ear Receiver
7580372E11	Replacement Foam Ear Cushion



ENMN4013A
Flexible Ear Receiver

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.

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



From left to right,
top to bottom:

- RLN4765A
- RLN4762A
- RLN4764A
- RLN4761A
- RLN4763A
- RLN4760A

*Intrinsically Safe.



HT Series

audio

Ear Microphone System – EMS

This compact, lightweight unit picks up sound through bone vibrations in the ear. The miniature earpiece leaves the hands free and face unobscured, good for rescue and emergency personnel that must retain the ability to help, hear and speak directly to others, those not on the communication system. EMS may be worn with protective masks without reduction in sound clarity. It's ideal for high-noise environments. PTT or Voice-Activated (VOX) Interface Module required, sold separately.

- BDN6677A* EMS with PTT Interface. Black.
For standard noise levels (up to 95dB).
- BDN6678A* EMS with PTT Interface. Beige.
For standard noise levels (up to 95dB).
- BDN6641A* EMS with PTT Interface. Grey.
For high-noise levels (up to 105dB).
- 0180305J46 Training CD-ROM
For EMS and Temple Transducer.
- AARMN4044A* Push-to-Talk Only Interface Module
- AARMN4045A* Push-to-Talk or Voice-Activated Interface Module. VOX operational only on conventional channel.

OPTIONAL ACCESSORIES FOR EMS

- 0180358B38* Remote Push-to-Talk Ring Switch
- 0180300E83* Remote Push-to-Talk Body Switch
- 0180300E25 Earguard with Adjustable Loop
- 0180358B32 Earholder. Black, small.
Secures Ear Microphone in ear.
- 0180358B33 Earholder. Black, medium.
Secures Ear Microphone in ear.
- 0180358B34 Earholder. Black, large.
Secures Ear Microphone in ear.
- 0180358B35 Earholder. Clear, small.
Secures Ear Microphone in ear.
- 0180358B36 Earholder. Clear, medium.
Secures Ear Microphone in ear.
- 0180358B37 Earholder. Clear, large.
Secures Ear Microphone in ear.
- 4202006A01 Replacement Back Cover Clip
- 4285838B01 Replacement Collar Clip
- 4280369E44 Replacement Belt Clip with Screws
- 5080358B28 Eartips. Black, medium. Pack of 10.
- 5080358B29 Eartips. Black, large. Pack of 10.
- 5080358B30 Eartips. Beige, medium. Pack of 10.
- 5080358B31 Eartips. Beige, large. Pack of 10.



BDN6677A
EMS with PTT Interface
Module



0180300E25
Earguard with
Adjustable Loop



BDN6641A
EMS with PTT
Interface

Temple Transducer:

Representing a significant achievement in headset design and functionality, it allows the user to receive audio without covering the ear.

Temple Transducer

The receiver portion of this accessory rests on the temples and is capable of converting the receive audio from a two-way radio into sound vibration. Sound vibration is transmitted through the surrounding tissue and bone directly into the inner ear. It features an In-line PTT and noise-cancelling boom microphone. The Temple Transducer can help enhance communication and safety by allowing external sounds, such as machinery and equipment, warning and fire alarms, the intercom, traffic and even casual conversations with co-workers. In high-noise environments it allows the use of earplugs.

RMN4048A*	Temple Transducer
RMN5048B*	Rugged Temple Transducer
0180305J46	Training CD-ROM. For EMS and Temple Transducer.

CommPort™ Integrated Microphone/Receiver System

The CommPort System's advanced, self-adjusting microphone and miniature receiver connect to a two-way radio and make it possible to communicate under the most adverse conditions. A variety of Push-to-Talk options allow the user to customize the CommPort system.

NTN1722A*	Integrated Ear Microphone/Receiver System with PTT on Radio Adapter. Includes Radio adapter AAHLN9717A.
NTN1723A*	Integrated Ear Microphone/Receiver System with Palm PTT. Includes Radio adapter AAHLN9717A.
NTN1724A*	Integrated Ear Microphone/Receiver System with Ring PTT. Includes Radio adapter AAHLN9717A.
NTN1737A*	Integrated Ear Microphone/Receiver System with Snap-On-Side PTT. Includes Radio adapter AAHLN9717A.
NNTN4187*	Integrated Ear Microphone/Receiver System with Body PTT. Includes Radio adapter AAHLN9717A.

COMMPORT REPLACEMENT PARTS

NKN6508A	Replacement Cable for NTN1722A
NKN6510A	Replacement Palm PTT Cable for NTN1723A
NKN6512A	Replacement Ring PTT Cable for NTN1724A
NKN6525A	Replacement Snap-on-Side PTT Cable for NNTN4187A
NTN8821A	CommPort Maintenance Kit. Includes 10 replacement ear tubes, 10 microphone seal strips and 2 windscreens.
NTN8986A	Adhesive Pads. For secure attachment to ear. Pack of 90.
NTN8988A	Ear Straps. For secure attachment to ear. Pack of 10.
RLN5037A	Replacement Ear Tubes. Pack of 10.

*Intrinsically Safe.



RMN4048A
Temple Transducer



RMN5048B
Rugged Temple
Transducer



CommPort Integrated
Ear Microphone/
Receiver System
with Palm PTT



HT Series

audio

Receive-Only Headsets

These headsets are the right choice for high-noise environments where users must hear information clearly, but seldom need to transmit. Dual-Muff headsets feature easily replaceable earmuffs filled with a liquid and foam combination to provide excellent protection from outside noise as well as comfort. For use with AAHMN9053E, RMN5035, RMN5036, RMN5075, RMN5076 and PMMN4021A.

- RMN4054B Hardhat Mount Style Headset. Mounts easily to hardhats (not included) with slots. Noise Reduction = 22dB.
- RMN4055B Headband Style Headset. Noise Reduction = 24dB.

D-Style Earset

The D-Style Earset is designed to ensure comfort of use while providing an elegant, sleek appearance. This lightweight, comfortable earset can be worn on either ear and allows for hands free communication with excellent audio clarity through the large speaker. Includes a flexible boom microphone and In-line Push-to-Talk button with built-in VOX switch for ease of use.

- PMLN4653A D-Style Earset with Flexible Boom Microphone, In-Line PTT, VOX Switch

Lightweight Headsets

Lightweight headsets provide high-clarity, hands free, discreet two-way communication, while maintaining the comfort necessary for extended-wear in moderate noise environments.

- AARMN4018B* Single-Muff, Adjustable, Lightweight Headset with Boom Microphone, In-Line PTT Switch
- AARMN4031B* Lightweight Headset with Swivel Boom Microphone, no In-Line PTT
- ENMN4012A* Ultra-Light Headset, Behind-the-Head Style with Flexible Boom Microphone, In-Line PTT
- AARMN4017A* Ultra-Light Headset with Boom Microphone Earbud Style Receiver
- REX4648A Replacement Foam Earpad and Windscreen For AARMN4018A, and AARMN4031A.

Racing Headset

This heavy-duty headset can be worn with most hardhats. It's ideal for high-noise environments, racing teams like CART® use it in the pits for dependable communication. Adapter required.

- RMN5015A Racing Headset
- RKN4091A Adapter Cable for RMN5015A

NFL® Style Headsets

NFL® Style Headsets are similar to the headsets worn by Coaching Staff in the NFL.

- RMN5047A NFL® Style Single-Muff, Heavy-Duty Headset with Swivel Boom Microphone
- AAHLN9716C Adapter Cable

RMN4055B
Headband Style Headset



PMLN4653A
D-Style Earset



AARMN4017A
Ultra-Light
Headset with Boom
Microphone



RMN5047A
NFL® Style
Single-Muff,
Heavy-Duty
Headset with
Swivel Boom
Microphone



Tactical Headband Style Headset:

Easily replaceable ear seals are filled with a liquid and foam combination to provide excellent sealing and comfort in high-noise environments.

Medium Weight Headsets

Medium Weight Dual-Muff headsets offer high-clarity sound with the additional hearing protection necessary for providing consistent, clear, communication in harsh, noisy situations.

AARMN4019A*	Medium Weight, Dual-Muff, Headset, Over-the-Head Style Headset with In-Line PTT and Noise-Cancelling Swivel Boom Microphone. Noise Reduction = 24dB.
AARMN4032A*	Medium Weight, Dual-Muff, Headset, Over-the-Head Style Headset with Noise-Cancelling Swivel Boom Microphone. Noise Reduction = 24dB. VOX operational only on conventional channel.
ENMN4016A*	Medium Weight, Dual-Muff, Behind-the-Head Style Headset with Swivel Boom Microphone and In-Line PTT. Noise Reduction = 24dB.
RMN4051B	Medium Weight, Dual-Muff, Two-way, Hardhat Mount Headset with Noise-Cancelling Boom Microphone
RKN4097A	In-Line PTT Adapter Cable. For RMN4051B.

MEDIUM WEIGHT HEADSET REPLACEMENT PARTS

1580376E32	Replacement Cloth Covers Earseals. 1 pair.
3280376E35	Replacement O Ring for Windscreen
5080548E02	Replacement Windscreen for Boom Microphone
7580376E34	Replacement Foam Ear Seals. 1 pair.

Tactical Medium Weight Headsets

Ideal for two-way communication in extremely noise environments. Dual-Muff, tactical headsets have 2 microphones on the outside of the earcups which reproduce ambient sound back into headset. Harmful sounds are suppressed to safe levels and low sounds are amplified up to 5 times original level, but never more than 82dB. Has on/off volume control on earcups. Easily replaceable ear seals are filled with a liquid and foam combination to provide excellent sealing and comfort. 3-foot coiled cord assembly included. Adapter Cable RKN4097A required. Hardhat not included.

RMN4052B	Tactical Headband Style Headset. Grey, Noise Reduction = 24dB.
RMN4053B	Tactical Hardhat Mount Headset. Grey, Noise Reduction = 22dB.
RKN4097A	Adapter Cable with In-Line Push-to-Talk For use with RMN4052B, and RMN4053B.

Heavy-Duty Headset

Includes a noise-cancelling boom microphone 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. Requires adapter AAHLN9716C, sold separately.

AARMN4020B*	Push-to-Talk or Voice-Activated Headset with Noise-Cancelling Boom Microphone. Noise Reduction = 24dB. VOX operation on conventional channel only.
AAHLN9716C	Adapter Cable

*Intrinsically Safe.



RMN4052B
Tactical Headband
Style Headset



AARMN4020B
Push-to-Talk or
Voice-Activated
Headset with
Noise-Cancelling
Boom Microphone





HT Series

carry accessories

Carry Cases

Carrying cases are available in sizes designed to fit your radio and battery and permit audio to be heard clearly. Belt loop and nylon cases feature "D" rings that allow the cases to be attached to a carrying strap. Swivel model cases secure to a belt loop and allow the case to swing freely from side to side. The swivel latch system also allows the radio and case to be removed from the belt loop by simply inverting the case and lifting it up and out of the belt loop.

- HT750 STANDARD MODEL**
- HLN9665A Leather Carry Case with Belt Loop
For use with NiCd and NiMH batteries.
 - HLN9652A Leather Carry Case with Belt Loop
For use with Li-ion batteries.
 - HLN9676A Leather Carry Case with Swivel
For use with NiCd and NiMH batteries.
 - HLN9670A Leather Carry Case with Swivel
For use with Li-ion batteries.
 - HLN9701B Nylon Carry Case with Belt Loop
For use with NiCd, NiMH, and Li-ion batteries.

- HT750 KEYPAD/ALL HT1250 MODELS**
- HLN9689A Leather DTMF Case with Belt Loop
For use with NiCd and NiMH batteries.
 - HLN9677A Leather DTMF Case with Belt Loop
For use with Li-ion batteries.
 - HLN9694A Leather DTMF Case with Swivel
For use with NiCd and NiMH batteries.
 - HLN9690A Leather Carry Case with Swivel
For use with Li-ion batteries.
 - HLN9701B Nylon Carry Case with Belt Loop
For NiCd, NiMH, and Li-ion batteries.

- HT1250 LIMITED-KEYPAD MODELS**
- HLN9946A Hard Leather Carry Case with Belt Loop
For use with NiCd and NiMH batteries.
 - HLN9945A Hard Leather Carry Case with Belt Loop
For use with Li-ion batteries.
 - HLN9998A Hard Leather Carry Case with Swivel Belt Loop
For use with NiCd and NiMH batteries.
 - HLN9955A Hard Leather Carry Case with Swivel Belt Loop
For use with Li-ion batteries.

- HT1550-XLS STANDARD MODELS**
- HLN9698A Leather DTMF Case with Belt Loop.
For use with NiMH and NiCd batteries.
 - HLN9695A Leather DTMF Case with Belt Loop.
For use with Li-ion batteries.
 - HLN9700A Leather DTMF Case with Swivel.
For use with NiMH and NiCd batteries.
 - HLN9699A Leather DTMF Case with Swivel.
For use with Li-ion batteries.
 - HLN9701B Nylon Carry Case with Belt Loop.
For NiCd, NiMH, and Li-ion batteries.



HLN9701B
Nylon
Carry Case
with
Belt Loop



HLN9946A
Hard Leather
Carry Case
with Belt Loop



HLN9694A
Leather
DTMF Case
with Swivel Belt Loop

Carry Accessories:

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



Carry Accessories

Organized types love the convenience of Motorola Original® carrying accessories — and no wonder. They can help assure your two-way radios are always good to go.

NTN8039B
NTN8040B
4200865599

CARRYING CASE BELT LOOPS

2.5 Inch Leather Swivel Belt Loop
3 Inch Leather Swivel Belt Loop
1.75 Inch Wide Leather Belt.
For all Models

HLN9714A
HLN9844A

BELT CLIPS

Spring Action 2.5 Inch Belt Clip
Spring Action 2 Inch Belt Clip

NTN5243A

CARRYING STRAP

Adjustable, Black Nylon Carrying Strap
Attaches to D-ring on cases.

HLN9985B

WATERPROOF BAG

Waterproof Bag with Large Strap

RLN4890A
TDN9327A

MISCELLANEOUS

Assistive Turning Knobs
Portable Radio Hanger
For door panels up to 2.75 inches.
Portable Radio Hanger
For door panels up to 2.75 to 3.25 inches.

TDN9373A

HLN9844A
Spring Action
2 Inch Belt Clip



NTN8039B
2.5 Inch
Leather Swivel
Belt Loop

NTN8040B
3 Inch Leather
High-Activity Swivel
Belt Loop



4200865599
1.75 Inch Wide Leather Belt



NTN5243A
Adjustable,
Black Nylon
Carrying Strap



RLN4890A
Assistive Turning
Knobs



HT Series

carry packs

Universal 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 most radios.

- | | |
|------------|--|
| HLN6602A | Universal Chest Pack with Radio Holder, Pen Holder and Velcro Secured Pouch Not for use with HT1250-LS+, 700 MHz models. |
| 1505596Z02 | Replacement Strap for HLN6602A |



Break-A-Way Chest Pack

All the features of the original Universal Chest Pack 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 RLN4570A |

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.

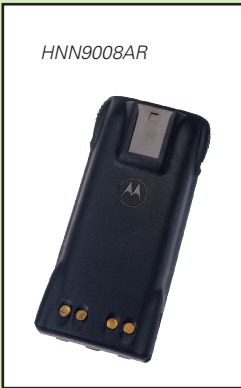
- | | |
|------------|---|
| RLN4815A | RadioPAK Radio/Utility Case |
| 4280384F89 | RadioPAK Extension Belt For waists larger than 40 inches. |



*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 batteries are ruggedly designed for lasting durability and are system tested with Motorola two-way radios to ensure optimum performance.



batteries

IMPRES™ Batteries

IMPRES™ batteries, when used with an IMPRES™ charger, provide automatic, adaptive reconditioning, end-of-life display and other advanced features. Data is stored in the battery and communicated to the charger via a unique IMPRES™ communication protocol which is designed to maximize talk-time and optimize battery cycle life – all automatically.

HNN4001A	NiMH, 1800 mAh, 7.2 Volt
HNN4002A	NiMH, 1690 mAh, 7.2 Volt. Intrinsically Safe.
HNN4003A	Li-ion, 2000 mAh, 7.2 Volt

Motorola Original® Batteries

Motorola Original® Batteries are ruggedly designed for lasting durability and are system tested with Motorola two-way radios to ensure optimum performance. We offer various chemistry and capacity alternatives, allowing the user to select the ideal battery for his or her needs. NiCd is best suited for extreme-temperature operation, and provides the maximum number of charge/discharge cycles. Li-ion batteries offer extended duty cycles – providing more talk time per shift.

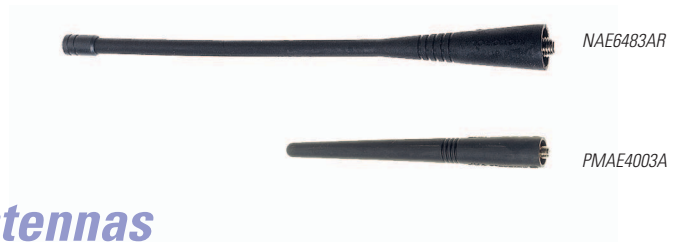
	PREMIUM NICKEL CADMIUM - NiCd
HNN9011BR	NiCd, 1550 mAh, 7.5 Volt. Intrinsically Safe.
HNN9012BR	NiCd, 1300 mAh, 7.5 Volt

	PREMIUM NICKEL METAL HYDRIDE - NiMH
HNN9008AR	NiMH, 1500 mAh, 7.5 Volt
HNN9009AR	NiMH, 1900 mAh, 7.5 Volt
HNN9010AR	NiMH, 1800 mAh, 7.5 Volt. Intrinsically Safe.

	PREMIUM LITHIUM ION - Li-ion
HNN9013DR	Li-ion, 1500 mAh, 7.5 Volt

	POWER NICKEL METAL HYDRIDE - NiMH
WPNN4045AR	NiMH, 1200 mAh, 7.5 Volt

	CLAMSHELL
NNTN5332A	Disposable Clamshell Battery. Black. Requires 12 AA Batteries, not included.



antennas

Flexible Whip Antennas

Flexible Whip Antennas have a one-piece finish, steel core, and spiral wound conductor for optimal radiation characteristics.

8504762J01	VHF, 1/4 Wave Flexible Whip, 136-155 MHz, 5.5 Inch
NAD6579A	VHF, Flexible Whip 148-161 MHz, 7.5 Inch
PMAD4023A	VHF, Flexible Whip, 150-161 MHz, 5.5 Inch
8504762J02	VHF, 1/4 Wave Flexible Whip, 155-174 MHz, 5.5 Inch
NAE6483AR	UHF, Flexible Whip, 403-520 MHz, 6 Inch
NAD6502AR	VHF, Heliflex 150-162 MHz, 6 Inch
NAB6064A	Low Band, Heliflex 29.7-50 MHz, 12 Inch

Stubby Antennas

Stubby antennas are ideal when the radio is worn on the belt because they are short and non-obtrusive. These rugged, helical antennas feature a capless sheath that allows for maximum flexibility.

PMAD4012A	VHF, Stubby, 136-155 MHz, 3.5 Inch
PMAD4025A	VHF, Stubby, 150-161 MHz, 3.5 Inch
PMAD4013A	VHF, Stubby, 155-174 MHz, 3.5 Inch
PMAE4002A	UHF, Stubby, 403-433 MHz, 3.5 Inch
PMAE4003A	UHF, Stubby, 430-470 MHz, 3.5 Inch

Retrofit Boards

AAHLN9725C	Voice Storage Option Board - Field Install Only
AAHLN9729C	DTMF Decode Option Board - Field Install Only



HT Series

chargers

Single-Unit, Rapid-Rate, Universal Chargers

Single-Unit Chargers can rapidly charge batteries on or off the radio in one to three hours. These tri-chemistry chargers feature rapid, trickle, and maintenance modes. The maintenance mode "revert to rapid" feature ensures batteries remain fully charged even when left on the charger for extended periods of time. All chargers are specifically designed to meet the requirements of batteries manufactured by Motorola.

- AAHTN3000D Single-Unit, Rapid-Rate Charger, 120 Volt, US plug
- HLN9793A Charger Insert Spacer. Compatible with "A" version Chargers only.
- HLN9794B Charger Insert Spacer. Compatible with "B", "C" and "D" version Chargers.

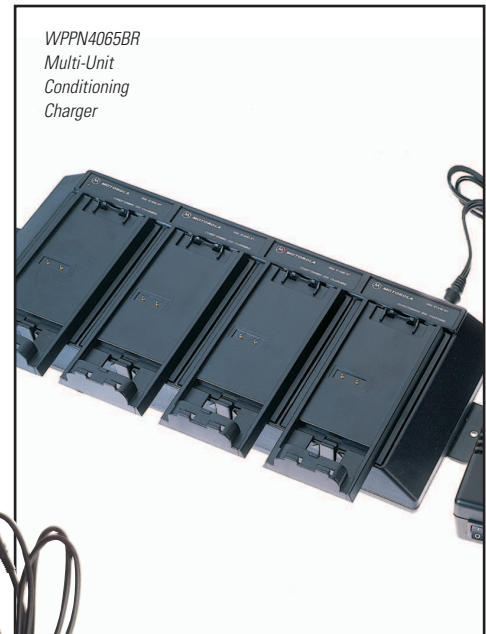


AAHTN3000D
Single-Unit,
Rapid-Rate
Charger

Motorola Conditioning Chargers – MCC

The MCC features Instant Fault Detection technology that detects faulty batteries in seconds. You'll know right away when a battery won't operate at peak performance - saving you time and trouble. Each unit rapidly charges NiCd and NiMH batteries and optimizes battery performance. It's patented negative pulse charging process minimizes overheating and overcharging, extending useful battery life. Batteries can be left on the charger for extended periods of time, without worry of heat build-up. Optional accessories are available that allow the MCC to be used in both AC and DC environments – that's flexibility.

- WPLN4107BR Charger Kit, 120 Volt AC. Includes both Base Charger Unit and 7 Volt Adapter Plate.
- WPLN4106BR Charger Kit, 220 Volt AC. Includes both Base Charger Unit and 7 Volt Adapter Plate.
- WPPN4065BR Multi-Unit Conditioning Charger, 4-Station Base, 120 Volt. Adapter Plate sold separately.
- WPPN4082BR 7 Volt Adapter Plate
- 3080384G15 Vehicular Power Adapter
- RLN4814A Vehicular Mounting Bracket and Hard Wire Cable For Single-Unit Motorola Conditioning Chargers. Includes DC Hard Wire Cable 3080384M21.
- 3080384M21 DC Hard Wire Cable. For vehicular installation



WPPN4065BR
Multi-Unit
Conditioning
Charger



RLN4814A
Vehicular Mounting
Bracket and
Hard Wire
Cable

IMPRES™ Smart Energy System:

The IMPRES™ Smart Energy System automatically reconditions IMPRES™ batteries based on actual usage.

IMPRES™ Smart Energy Systems

IMPRES™ Chargers

Through the use of advanced charging algorithms and automatic reconditioning features, the IMPRES™ Smart Energy System ensures maximum talk-time and optimized battery cycle life. This smart energy system automatically reconditions IMPRES™ batteries based on actual usage, keeping them in peak condition. Talk-time and cycle life are optimized and the need for manual maintenance programs is eliminated. Its advanced conditioning features allow batteries to be safely left on the charger for extended periods of time without incurring the damaging heat build-up which can decrease battery cycle life. In addition, batteries left in the charger are kept fully charged so they are always ready when needed. This rapid-rate, tri-chemistry charging system will also charge compatible non-IMPRES™ batteries and supports multiple radio platforms.

WPLN4182A	IMPRES™ Single-Unit Charger, 120 Volt - US
WPLN4183A	IMPRES™ Single-Unit Charger, 240 Volt - UK
WPLN4184A	IMPRES™ Single-Unit Charger, 220 Volt - Euro
WPLN4187A	IMPRES™ Multi-Unit Charger, 120 Volt - US
WPLN4188A	IMPRES™ Multi-Unit Charger, 240 Volt - UK
WPLN4189A	IMPRES™ Multi-Unit Charger, 220 Volt - Euro

IMPRES™ Multi-Unit Chargers with Display Modules

Charger Display Modules provide powerful, "real time" analyzing information for IMPRES™ batteries, including current charge status, battery mAh, and voltage. Readout displays battery kit number, serial number and chemistry and the time remaining to complete the charge for NiCd and NiMH batteries. 120 Volt.

WPLN4192A	IMPRES™ Multi-Unit Charger with Display Modules,
NLN7967A	Wall Mount for Multi-Unit Charger

IMPRES™ Individual Charger Display Module

This module is compatible with the standard IMPRES™ Multi-Unit Chargers WPLN4187A, WPLN4188A and WPLN4189A. Up to 6 modules can be used per charger, one for each charging pocket. Includes detailed installation instructions.

RLN5382A	Charger Display Module for IMPRES Multi-Unit Charger Version 1.3 or Later.
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Note: Display Modules compatible with Multi-Unit Charger version 1.2 or earlier require a software flash update. Version number is located on label on the bottom of the IMPRES™ Multi-Unit charger. If no version is shown, it is earlier than version 1.2. Version 1.2 will appear as V1.20, 1.3 will appear as V1.30, etc.



Batteries left in the charger are kept fully charged so they are always ready when needed.



WPLN4187A
IMPRES™
Multi-Unit Charger



WPLN4182A
IMPRES™
Single-Unit Charger



WPLN4192A
IMPRES™ Multi-Unit Charger
with Display Modules



HT Series

battery analyzers

Battery Maintenance System^{PLUS} – BMS^{PLUS}

Increase the useful life of your batteries. Using interchangeable battery adapters (sold separately), the BMS^{PLUS} is capable of charging and discharging, analyzing, conditioning and cycle testing batteries. It supports NiCd, NiMH and Li-ion batteries (Li-ion 6-station units only) and tracks better voltage and capacity (mAh). Its easy-to-use design supports hundreds of two-way, cellular and camcorder batteries. The BMS^{PLUS} has a 3-year warranty and includes serial printer* port (RS-232).

- WPLN4079BR 6-Station BMS^{PLUS}, 110V, AC, 50/60 Hz - US Plug
- WPLN4080BR 6-Station BMS^{PLUS}, 230V, AC, 50/60 Hz - Euro Plug
- WPPN4085AR BMS^{PLUS} Li-ion Field Upgrade Kit.
Upgrades WPLN4079AR, WPLN4080AR, WPLN4081AR. Allows units to support Li-ion batteries.
- NDN4005B 3-Station BMS^{PLUS}, 110V, AC, 50/60 Hz.
Does not support Li-ion or 3-cell batteries.
- NDN4006B 3-Station BMS^{PLUS}, 230V, AC, 50/60 Hz.
Does not support Li-ion or 3-cell batteries.

BMS^{PLUS} ADAPTERS

- WPPN4079AR Adapter. For NiCd and NiMH batteries.
- WPPN4080AR Adapter. For NiCd, NiMH, and Li-ion batteries. Requires Li-ion capable BMS^{PLUS}.

*Compatible with the STAR Micronics SP200 Series printers (and other printers with STAR emulation); available from STAR Micronics distributors.

Battery Optimizing System II – BOS II

No other battery analyzer matches the speed, accuracy, versatility and ease-of-use of the BOS II in providing powerful analyzing capabilities. Users can select from 12 pre-programmed service programs making it quick and easy to get up and running. Because the BOS II is programmable, users can create custom programs to perform a wide variety of tasks specific to individual needs. New enhancements include new navigation keys and an improved, more intuitive menu system. Regular use of the BOS II can optimize battery performance and help extend battery life, helping reduce battery replacement costs.

- Support for NiCd, NiMH, Li-ion, and SLA batteries 100W Power Supply programmable from 100 mA to 4 Amps per station
- Interchangeable Adapters accommodate all major brands
- Includes a variety of Programs and allows customizable programming
- Proprietary Recondition Cycle restores NiCd and NiMH batteries
- Increased processing power and testing resolution – including a Three-minute Quicktest™ that measures the batteries' State of Health (SoH) Printer Output for reports and labels
- Three-year Warranty

- WPLN4124AR BOS II, 4-Station, 90-264V, AC, US Plug. Adapter Plates Required.
- WPLN4125AR BOS II, 4-Station, 90-264V, AC, Euro/UK Plug. Adapter Plates Required.

BOS ADAPTERS

- RL-76345 Standard Adapter for BOS I
- RL76340 Standard Adapter for BOS II

WPLN4079BR
6-Station Battery
Maintenance System^{PLUS}



NDN4005B
3-Station Battery Maintenance
System^{PLUS}



WPLN4124AR
4-Station Battery Optimizing
System II



Vehicular Travel Chargers:

Always a great traveling companion for Road Warriors, travel chargers can help ensure constant communication while on the road.

vehicular chargers

Vehicular Travel Charger

A great traveling companion that ensures constant communication while on the road. Its small compact design allows the radio to be used while rapid charging in the charger base. Unit includes a voltage regulated vehicular charger adapter, custom charger base, mounting bracket and coil cord.

RLN4883A	Vehicular Travel Charger Includes Mounting Bracket 0780384K84.
RLN5914A	Travel Charger Mounting Bracket Kit Includes screws and nylon cord.

TRANSFORMERS FOR TRAVEL CHARGER

2580600E05	Transformer, 120V - US
2580600E06	Transformer, 230V - Euro
2580600E07	Transformer, 230V - UK
2580600E08	Transformer, 220V - Argentina

Vehicular Charger

This 12 Volt DC rapid-rate charger is ideal for mobile customers. Capable of charging NiCd, NiMH, and Li-ion batteries. This durable unit comes with a metal mounting bracket. Its drop-in design makes it ideal for public safety users.

RLN5233A	Vehicular Charger
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Vehicular Adapters

Now customers working in areas such as Public Safety and Utilities can both charge and operate portable two-way radios inside a vehicle. These Vehicular Adapters detect the chemistry of the portable battery and select the optimum charging method while providing power for in-vehicle use. In addition, an Antenna Adapter allows automatic switching to an external Vehicle-mounted Antenna (sold separately) for extended range. These kits include the Vehicle Adapter, Microphone, RF Adapter, Battery Spacers, Technical Installation Manual, and Programming Software. 3db gain antennas are recommended for use with these vehicular adapters.

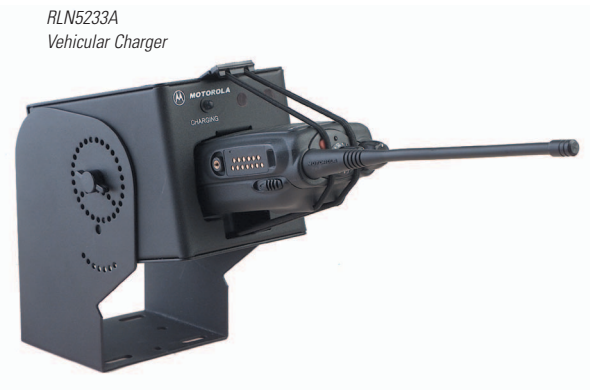
AAEN1006B	VHF Vehicular Adapter, 136-174 MHz
AAEN1007B	UHF Vehicular Adapter, 403-470 MHz
5880367B23	Connector Adapter, BNC Female
5880367B28	Connector Adapter, BNC Male
ENKN4002A	Programming Cable. Required for use with external speaker or HT1250-LS operation.
ENKN4003A	Audio Service Cable. For use with HT1250-LS RLN4460C test box.
GSN6059A	External 13-Watt Speaker
GKN6270A	Power Cable with 10A Fuse

REPLACEMENT PARTS & MANUALS

ENLN4103A	VHF Antenna Adapter, 136-174 MHz
ENLN4104A	UHF Antenna Adapter, 403-470 MHz
GMN6146C	Hand-held Mobile Microphone
ENLN4117A	Vehicle Connector Kit
WALN4078A	Battery Spacer Kit
8264934B01	Programming Software
6881093C78	User Manual
6881093C79	Technical Manual



RLN4883A
Vehicular
Travel Charger,
radio sold separately.



RLN5233A
Vehicular Charger



AAEN1006B
VHF
Vehicular Adapter,
Remote Speaker
Microphone
included.



CDM Series

Motorola Original® Accessories let you make the most of your CDM mobile radio's capabilities.

You likely chose your Motorola mobile radio for its ease of use and exceptional reliability — certainly a sound business decision. Choosing Motorola Original® accessories for your radio is also the right call to make.

That's because every Motorola Original® accessory is designed, built and rigorously tested to the same quality standards as Motorola radios. So you can be sure that each will be ready to do its job, time after time.

What's more, insisting on Motorola Original® accessories can help increase your productivity. That's because you can count on every accessory to do its job time after time. If you take a chance on a mismatched antenna, a clumsy handset or an ill-fitting mounting, your radio may not perform at the moment you have to use it.

Keep your Motorola radio performing at its peak. Count on this collection of Motorola Original® accessories for your important business communication needs. You'll find Public Address Speakers for more crowd control. In-vehicle mounting accessories for ease of use when on the move. Base Interface Packages that extend area coverage and allow remote monitoring of field units. Control Station accessories for an efficient, streamlined operation. A variety of antennas to extend range, and help maximize communication in urban areas. They'll help you work smarter, harder and with greater convenience.

*CDM Series Professional Radios
offer high performance
and rugged dependability
for users on the move.*

CDM SERIES OF PROFESSIONAL RADIOS

Motorola CDM Series Professional Mobile Radios offer users a compact, ergonomic design with optimal mounting flexibility. No matter what CDM mobile you use, you'll enjoy the same exceptional quality and user-friendly functionality.

The CDM Series is composed of 4 robust mobile radios tailored to meet the requirements of almost any organization. They offer crisp, clean audio even in noisy locations or vehicles, thanks to Motorola's X-Pand™ voice technology and a large front-projecting speaker. Telephone/paging capabilities and Motorola's precision-controlled MDC signaling features boost your effectiveness by giving you a wide range of calling options. In addition, customizable buttons can be programmed for quick access to your favorite features.

CDM750™

CDM1250™

CDM1550™

CDM1550.LS+™





CDM Series

mobile audio

Microphones and Handsets

Standard Compact Microphone

Standard Compact Microphone provides basic Push-To-Talk functionality and ships with all CDM Series mobile radios.

- AARMN4025B Standard Compact Microphone
- NNTN4033A Earpiece with Microphone and Remote PTT. Black.

Enhanced Keypad Microphone

Enhanced Keypad Microphone includes a full keypad that enables you to dial phone numbers from the microphone, also has three customizable buttons that can be programmed with any of the control head features.

- AARMN4026B Enhanced Keypad Microphone

Heavy-Duty Microphone

Heavy-Duty Microphone for users who want more durability, also ideal for those who need a larger microphone that is easier to handle when wearing gloves.

- AARMN4038B Heavy-Duty Microphone

Telephone-Style Handset

Ideal for users wanting to conduct private conversations. Ergonomically-designed, easy to hold. Includes cup and hardware.

- AAREX4617A Telephone-Style Handset

Hands Free Accessories

Visor Microphone and PTT Switches

Improve convenience and safety with the Visor Microphone and its compatible hands free transmission options. Small microphone mounts to vehicle's visor for convenient hands free radio operation. Use with choice of external Push-to-Talk switch.

- AARMN4027A Visor Microphone

EXTERNAL PTT ACCESSORIES

- RLN4857B Pushbutton with Push-to-Talk
Can be held in the hand, or mounted to the vehicle with touch fasteners.
- RLN4856A Foot Switch with Push-to-Talk
Mounts to floor of vehicle
- RLN4858A Gooseneck Mount with Push-to-Talk
Attaches to vehicle steering column.

Emergency Foot Switch

Lets user notify the base station quickly and discreetly of trouble. Sends signal to station and activates microphone.

- RLN4836AR Emergency Foot Switch
Compatible with HMN4089A.

AARMN4026B
Enhanced Keypad
Microphone



AARMN4038B
Heavy-Duty Microphone



AAREX4617A
Telephone-Style Handset



CDM Control Station:

Turn a CDM mobile into a desktop base station.

Perfect for fleet operators in transportation, construction and public safety industries.



CDM Control Station

The CDM Control Station converts a CDM750™, CDM1250™, CDM1550™, or CDM1550-LS+™ two-way radio into an attractive, convenient base station. This makes an ideal communication solution for transportation, manufacturing, construction and public safety users.

The radio mounts into the lightweight, portable chassis, containing a full range of front panel control buttons plus an internal microphone, speaker and power supply. A front connector allows for a range of external audio accessories, including a desk microphone, tone or DC remote adapter and telephone interconnect.

RLN5403A Control Station
For CDM750, CDM1250, CDM1550, and CDM1550-LS+ two-way radios.

CONTROL STATION ACCESSORIES

RMN5068A Desktop Microphone. Black.
Makes transmission easier for base station users, because the mobile microphone does not always have to be picked up. Large Push-to-Talk button.

GLN7318A Desktop Tray Without Speaker
Ideal for securing mobile in place in a desktop environment.

GLN7326A Desktop Tray with Speaker
Ideal for securing mobile in place in a desktop environment. Includes speaker for increased volume when receiving calls in high-noise areas.

HPN4002B Power Supply, 1-25W, for low power radios. Power cord included.

HPN4007A Power Supply, 25-60W, for low power radios. Power cord included.



With the CDM Control Station you can convert a CDM Series mobile radio into an attractive, convenient base station. Mobile radio and desktop microphone both sold separately.



CDM Series

mounting and cables



GLN7317A
High-Profile Mounting Bracket

RLN4774A
Three-Point Low Band Mount

RLN4781A
Direct In Dashboard Mounting Kit

Mounting Brackets

CDM radios are often installed on the dash of a vehicle, and run off its power source. Here are some of the accessories available for mounting your CDM mobile into your vehicle.

- GLN7324A Low-Profile Mounting Bracket
Keeps radio tucked up under the dash, can also be positioned for floor mount.
- GLN7317A High-Profile Mounting Bracket
Keeps radio tucked up under the dash, with extra clearance so radio can be tilted for a better view. Can also be positioned for floor mounting.
- RLN4779A Key Lock Mount
Key lock helps provide extra protection from theft. Lock/unlock radio from position in the mounting bracket.
- RLN4774A Three-Point Low Band Mount
Three-point Mount provides extra stability for mounting low band radio models.

Direct In Dashboard Mounting Kit

This kit is ideal if you prefer to mount the radio directly into the dashboard for better appearance or to keep it from being an obstruction in the vehicle. Control Head compatible with CDM750, CDM1250, and CDM1550 VHF and UHF only.

- RLN4781A Direct In Dashboard Mounting Kit

Remote Mounting Kits

These kits allow you to mount the radio chassis in the trunk or under the seat and mount the control head elsewhere in the vehicle. Ideal for vehicles with no convenient place to mount the radio near the dashboard, or where security is a concern.

- RLN4801A Remote Mount for CDM750
- RLN4802A For CDM1250, CDM1550, and CDM1550-LS

Remote Mounting Cables

These cables are used to connect the radio chassis to the control head.

- RKN4077A 3m Remote Mount Cable
- RKN4078A 5m Remote Mount Cable
- RKN4079A 7m Remote Mount Cable

Cables to Battery

Cables used to connect the battery to the radio chassis.

- HKN4191B High Power Cable, 12 volt, 40-60 watt
- HKN4192B Power Cable, 12 volt, 20 foot
- HKN9327BR Ignition Switch Cable

Public Address:

External speakers and public address kits are an absolute necessity for high-noise environments and special events.

Speakers and Public Address Kits

College campuses, commercial and industrial complexes, government facilities, military bases, municipal district, local schools and even cities have a great need to be able to communicate with the public in the event of an emergency, public events or festivals. These accessories can help you get the word out whether it's from a vehicle or from a desktop station through speakers at a fixed location.

SPEAKERS

- RSN4001A External 13 Watt Speaker
Ideal for extreme noise environments.
- HSN8145B External 7.5 Watt Speaker
Offers a high level of volume output.

PUBLIC ADDRESS

- RLN5288A Public Address Kit
Includes two cables for mobile connection to public address box and speaker cables. Requires HSN1000B speaker.
- HSN1000B Amplified External Speaker for Public Address Audio. 6 Watt.
Required for use with RLN5288A.
- HKN9324AR Public Address/Speaker Cable
15 foot length. One cable per speaker required.



RLN4829A
Replacement Button Kit For
CDM750



Desktop Microphone for
base station users, sold
separately.

External 7.5 Watt Speaker.

Amplified External Speaker
for Public Address Audio Kit.

External 13 Watt Speaker is per-
fect for noisy environments.

Button Kits

Your CDM mobile radio will last for years but you may need to order replacement buttons occasionally. The following kits offer the most commonly needed replacements.

CDM750

- RLN4829A Replacement Button Kit
Includes MON (Monitor) and SCAN buttons.

CDM1250/1550/1550-LS/1550-LS+

- RLN4830A Replacement Button Kit
Includes ZONE, X-PAND, HI/LO, EMERGENCY, and V STR buttons.
- RLN4831A Replacement Button Kit
Includes MON (Monitor), SCAN, CALL, PHONE and HOME buttons.

Voice Storage Option Board

Voice Storage Option Board enables you to record and playback memos or incoming radio calls.

- AAHLN9725C Voice Storage Option Board



CDM Series

mobile data

Base Interface Packages

Now it's easy to enhance the coverage area of Motorola CDM Series mobile two-way radio systems. These convenient packages are designed for easy installation with existing base stations or repeaters. These Base Interface Packages can provide extended coverage by increasing RF output up to 100W.

The Base Interface cabinet contains its own power supply and amplifier, so no external sources are required. Servicing is a breeze too, with a removable front hinged panel that provides ready access to all interior components. The Base Interface Package can be used as a base station or repeater by adding a controller in the bracket on the mounting panel. Controllers are sold separately and listed in the product manual and Motorola price pages.

Features a 50% transmit and 50% receive extended duty cycle. Include multiple coded squelch capabilities, and support MDC (Motorola Digital Calling) signaling. Can be programmed with optional software. Optional telephone interconnect capability is also available.

- RDB4455A 30-36 MHz Base Interface Package
- RDB4456A 36-42 MHz Base Interface Package
- RDB4457A 42-50 MHz Base Interface Package

Mobile Data Units

Manage your fleet with innovative products from Motorola including, Mobile Display Terminals with optional GPS Fleet Tracking, Vehicle Messaging Wireless Data and Signaling Products and Dispatch and Mapping Software. Units are enclosed in a rugged "industrial" enclosure and sealed from dust and protected from environmental conditions.

- RDN7368A Mobile Display Terminal
Provides mobile status reporting and text messaging through its internal data modem. Features a 4x40 backlit LCD screen, 14-button status keypad, 5 serial ports for peripheral interfaces, and 6 auxiliary I/Os.

- RDN7367A Mobile Display Terminal with GPS*
Equipped with an Automatic Vehicle Location (AVL) device compatible with Global Positioning System technology.

- RDN7369A Stand-Alone Modem with GPS*
A cost-efficient way to add an Automatic Vehicle Location (AVL) device compatible with Global Positioning System technology. Also provides additional serial ports and auxiliary I/Os.

*US maps optional with GPS units.



RDN7368A
Mobile Display Terminal
is available with
Automatic Vehicle
Location system, sold
separately.

Point-of-Sale:

The Magnetic Credit Card Reader relays data for point-of-sale transactions in the transportation industry and delivery businesses.



Peripherals

Magnetic Credit Card Reader

This Magnetic Credit Card Reader is used to capture card data which is relayed to the mobile data unit for Point-of-Sales transactions, used with Credit Card Processing Software RDN7379A. AVL Messaging Status Software (RDN7378A) and Programming Software (RDN7374A) required.

RDN7371A	Magnetic Credit Card Reader
RDN7379A	Credit Card Processing Software
RDN7374A	Programming Software

The Mobile Printer

The Mobile Printer provides users with a hard copy of the information transmitted from the base dispatch location, for use with Magnetic Credit Card Reader RDN7371A. AVL Messaging Status Software (RDN7378A) and Programming Software (RDN7374A) required.

RDN7373A	The Mobile Printer
RDN7377A	MAPS (US) Regional Software
RDN7378A	AVL Messaging Status Software
RDN7374A	Programming Software

Positioning Monitors

Allows for remote control and monitoring of equipment and operations through two-way radio systems. AVL Messaging Status Software (RDN7378A) and Programming Software (RDN7374A) required.

RDN6011A	Master Unit Master unit connects to a CDM mobile and can monitor up to 8 separate field units that are connected to CDM Mobiles.
RDN6010A	Field Unit Two-way technology is used to monitor equipment and operations, field units will immediately shut down in the event of malfunction.

MISCELLANEOUS ACCESSORIES

RDN7364A	Base Modem A radio channel controller and modem that interfaces with the base radio, required with every radio channel or wireless circuit used within the system.
RDN7738A	Serial Breakout Unit Needed for multi-channel operations.

*RDN6011A
With the
Master Unit
you can
stay connected
with up to 8
CDM Mobiles,
radio sold
separately.*



CDM Series

antennas and kits

Wave Base Roof Mount Antennas

The signals for these antennas are radiated vertically, making them ideal for urban environments where buildings might obstruct the signal.

RAB4002ARB	29.7-36.0 MHz, 1/4 Wave Base Loaded Roof Mount Antenna
RAB4003ARB	36-42 MHz, 1/4 Wave Base Loaded Roof Mount Antenna
RAB4004ARB	42-50 MHz, 1/4 Wave Base Loaded Roof Mount Antenna
HAD4006A	136-144 MHz, 1/4 Wave Roof Mount Antenna
HAD4007A	144-152 MHz, 1/4 Wave Roof Mount Antenna
HAD4008A	152-162 MHz, 1/4 Wave Roof Mount Antenna
HAD4009A	162-174 MHz, 1/4 Wave Roof Mount Antenna
HAE4002A	403-430 MHz, 1/4 Wave Roof Mount Antenna
HAE4003A	450-470 MHz, 1/4 Wave Roof Mount Antenna
HAE4004A	470-512 MHz, 1/4 Wave Roof Mount Antenna

Magnetic/Roof Mount Antennas

These antennas are designed to direct the signal more towards the horizon, making them ideal for applications in more geographically flat regions where signal coverage is sparse and must cover a larger area.

RAD4000AMB	VHF, Low Band, 140-174 MHz, 3dB Gain Magnetic Mount Antenna
HAD4014A	VHF, 144-174 MHz, 3dB Gain Roof Mount Antenna
HAE4010A	UHF, 403-430 MHz, 3.5dB Gain Roof Mount Antenna
HAE4011A	UHF, 450-470 MHz, 3.5dB Gain Roof Mount Antenna
HAE4012A	UHF, 470-495 MHz, 3.5dB Gain Roof Mount Antenna
RAE4004ARB	UHF, 440-470 MHz, 5dB Gain Roof Mount Antenna
HAE4013A	UHF, 494-512 MHz, 3.5dB Gain Roof Mount Antenna

GPS Antennas

These antennas are used to receive GPS signals.

RDN7372A	Fixed Mount GPS Active Antenna
RDN7375A	Magnetic Mount GPS Active Antenna

Low Profile Antennas

Compact design is a key feature of low profile antennas.

RAE4162A
RAE4163A
RAE4164A
RAE4165A
RAE4166A
RAE4167A
RAE4168A
RAE4169A

UHF ANTENNAS

White, 410-430 MHz, 3dB Gain Antenna
Black, 410-430 MHz, 3dB Gain Antenna
Black, 430-450 MHz, 3dB Gain Antenna
White, 430-450 MHz, 3dB Gain Antenna
Black, 470-490 MHz, 3dB Gain Antenna
White, 450-470 MHz, 3dB Gain Antenna
Black, 450-470 MHz, 3dB Gain Antenna
White, 470-490 MHz, 3dB Gain Antenna

VHF ANTENNAS

RAD4207A	White, 150-168 MHz, Unity Gain Antenna
RAD4208A	Black, 150-168 MHz, Unity Gain Antenna
RAD4209A	Black, 142-160 MHz, Unity Gain Antenna
RAD4210A	White, 142-160 MHz, Unity Gain Antenna

800 MHz ANTENNAS

RAF4217A	White, 821-896 MHz, 3dB Gain Antenna
RAF4218A	Black, 821-896 MHz, 3dB Gain Antenna
RAF4219A	Black, 806-866 MHz, 3dB Gain Antenna
RAF4220A	White, 806-866 MHz, 3dB Gain Antenna

MOUNTING KITS

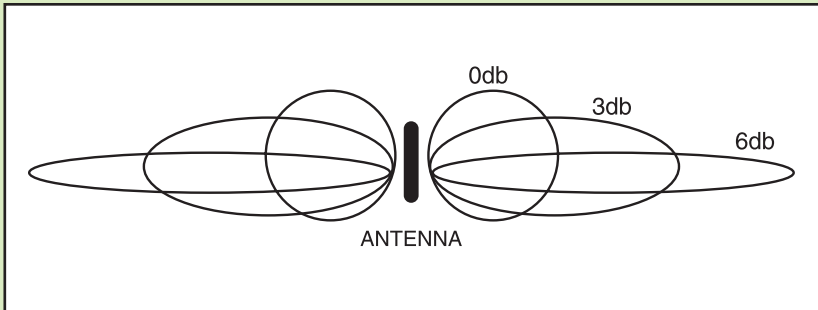
3080384M44	Black Magnetic with 12 ft. of RG58A/U Cable, Mini UHF Crimp
3080384M45	Chrome Magnetic with 12 ft. of RG58A/U Cable, Mini UHF Crimp
3080384M48	3/4 Inch Roof Mount with 17 ft. of RG58A/U Cable, Mini UHF Crimp
3080384M46	Chrome Trunk Mount with 17 ft. of RG58A/U Cable, Mini UHF Crimp
3080384M47	Black Trunk Mount with 17 ft. of RG58A/U Cable, Mini UHF Crimp



Mini UHF Crimp is included with RG58A/U cable in our selection of Mounting Kits.



Antennas that radiate vertically are ideal for urban environments. Direct signal antennas are designed for locations where signal coverage is sparse and must cover a larger area.



antenna gain characteristics

The above diagram compares a Unity gain or 0dB antenna with 3dB and 6dB radiation patterns. From the diagram above you can see that it is possible to communicate with a cell site further away. There are a few traps however, these high frequency signals have a tendency to bounce off buildings in built up areas, and off mountains in a valley. This means a high gain antenna is best-used in country areas where wide flat plains are between you and the cell site. In mountainous areas or in city environments where the topography varies considerably, a high gain radiation pattern will not work as efficiently as a unity gain.

Low Profile Antenna Kits

These complete kits make installation easy for multipoint mobile applications. Perfect for service vehicles, public transportation, law enforcement, mining and construction vehicles, as well as numerous other commercial and industrial applications where mobility is a requirement. All kits include a 3/4 inch brass mount with 17 feet of RG58U/U cable.

UHF ANTENNA KITS

- RAE4162ARB White, 410-430 MHz, 3dB Gain Roof Mount Antenna
- RAE4163ARB Black, 410-430 MHz, 3dB Gain Roof Mount Antenna
- RAE4164ARB Black, 430-450 MHz, 3dB Gain Roof Mount Antenna
- RAE4165ARB White, 430-450 MHz, 3dB Gain Roof Mount Antenna
- RAE4166ARB Black, 470-490 MHz, 3dB Gain Roof Mount Antenna
- RAE4167ARB White, 450-470 MHz, 3dB Gain Roof Mount Antenna
- RAE4168ARB Black, 450-470 MHz, 3dB Gain Roof Mount Antenna
- RAE4169ARB White, 470-490 MHz, 3dB Gain Roof Mount Antenna

VHF ANTENNA KITS

- RAD4207ARB White, 150-168 MHz, Unity Gain Roof Mount Antenna
- RAD4208ARB Black, 150-168 MHz, Unity Gain Roof Mount Antenna
- RAD4209ARB Black, 142-160 MHz, Unity Gain Roof Mount Antenna
- RAD4210ARB White, 142-160 MHz, Unity Gain Roof Mount Antenna

800 MHz ANTENNA KITS

- RAF4217ARB White, 821-896 MHz, 3dB Gain Roof Mount Antenna
- RAF4218ARB Black, 821-896 MHz, 3dB Gain Roof Mount Antenna
- RAF4219ARB Black, 806-866 MHz, 3dB Gain Roof Mount Antenna
- RAF4220ARB White, 806-866 MHz, 3dB Gain Roof Mount Antenna

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