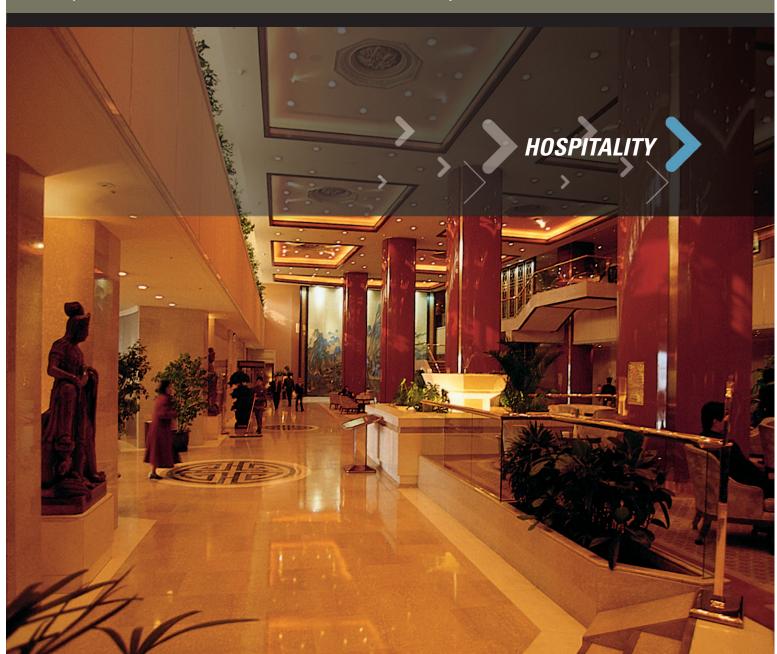


ACCESSORIES AND BATTERIES

Expert Series Portable Two-Way Radios







Expert Series portable two-way radios are the perfect solution for professionals who need exceptional features and functionality.

EXPERT SERIES PORTABLE RADIOS

All three of these Expert Series Two-way radios put plenty of communication power into the palm of your hand. You can take advantage of outstanding capabilities, including:

- Comfortable, ergonomic design
- X-Pand™ Audio Enhancement
- Precision controlled signalling features
- Priority scanning capabilities
- Easy reprogramming capabilities

EX500™

EX600™

EX600·XLS™



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Chest Packs and Radio PAk™
Batteries and Antennas
Chargers
Battery Optimizing System



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.

PMMN4022A Remote Speaker Microphone

with 3.5mm Audio Jack

PMMN4023A Remote Speaker Microphone

with IP57 Rating

RSM Accessories

These accessories are to be used with PMMN4022A. Includes 3.5mm Adapter.

AARLN4885B* Receive-Only Covered Earbud RLN4941A* Receive-Only Earpiece with

Translucent Tube and Rubber Eartip

WADN4190A* Receive-Only Flexible Earpiece
PMLN4620A D-Style Earpiece with 3.5mm Plug.

Receive only.

Clear Comfortable Earpieces

These earpieces form to the inside of the ear and are perfect for low-noise environments. Made of easy-to-clean, chemically-inert, hypo-allergenic material. Compatible with 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





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







Surveillance Kits:

Surveillance accessories allow users to receive messages through the earpiece and are ideal in environments that require discreet communication.

Surveillance Kits

Surveillance accessories allow the radio user to privately receive messages with the earpiece and are ideal when environments require discreet communication. These surveillance accessories require the 3.5mm threaded audio adapter PMLN4455B, unless being used with a speaker microphone.

BDN6664A*	Receive-Only Earpiece with Standard Earphone (1-Wire). Beige.
BDN6665A*†	Extra Loud Receive-Only Earpiece with Standard Earphone (1-Wire). Beige.
BDN6726A*	Receive-Only Earpiece with Standard Earphone (1-Wire). Black
BDN6727A*†	Extra Loud Receive-Only Earpiece with Standard Earphone (1-Wire). Black
BDN6666A*†	Receive-Only Earpiece with Volume Control and Earloop (1-Wire). Beige.
BDN6728A*	Receive-Only Earpiece with Volume Control and Earloop (1-Wire). Black.
	O MIDE CHOVELLIANCE VITO
	2-WIRE SURVEILLANCE KITS
BDN6667A*	Earpiece with Microphone and PTT Combined (2-Wire). Beige.
PDN6660A*+	Extra Loud Farniago with Migraphone and PTT Combined (2.Wire) Roige

BDIN000/A	Earpiece with Microphone and PTT Combined (2-Wire). Beige.
BDN6669A*†	Extra Loud Earpiece with Microphone and PTT Combined (2-Wire). Beige.
BDN6729A*	Earpiece with Microphone and PTT Combined (2-Wire). Black.
BDN6731A*†	Extra Loud Earpiece with Microphone and PTT Combined (2-Wire). Black.

3-WIRE SURVEILLANCE KITS

1-WIRE SURVEILLANCE KITS

BDN6668A*	Earpiece with Microphone and Push-to-Talk Separate (3-VVIre). Beige.
BDN6670A*†	Extra Loud Earpiece with Microphone and Push-to-Talk Separate (3-Wire). Beige.
BDN6730A*	Earpiece with Microphone and Push-to-Talk Separate (3-Wire). Black
BDN6732A*†	Extra Loud Earpiece with Microphone and Push-to-Talk Separate (3-Wire). Black

PMLN4455B* 3.5mm Audio Adapter

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.

RI N6230A	Quick Disconnect Extreme Noise Kit Includes 2 foam ea	rnluas

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 Quick Disconnect 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 Foam Plugs. Noise reduction = 24dB. Pack of 50

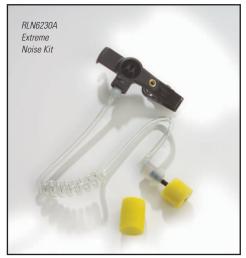
For RLN6230A and RLN6231A.

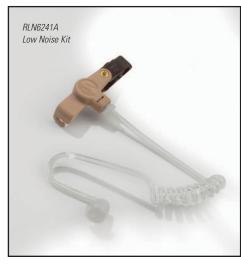
5080370E97 Standard Clear Rubber Eartips. Pack of 25

For RLN6232A and RLN6241A.









^{*}Intrinsically Safe.

[†] Extra loud earphone (exceeds OSHA limits).



audio

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.



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.

BDN6719A Flexible Ear Receiver

Requires Audio Adapter PMLN4455A.

PMLN4455B 3.5mm Audio Adapter

7580372E11 Replacement Foam Ear Cushion



Temple Transducer:

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

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.

BDN6768A*	EMS with PTT Interface. Black. For standard noise levels (up to 95dB).
BDN6769A*	EMS with PTT Interface. Beige. For standard noise levels (up to 95dB).
BDN6770A*	EMS with PTT Interface. Grey. For high-noise levels (up to 105dB).
	B. L. TH. M. A.C. & H. & C. MALL

JMMN4064B* Push-to-Talk or Voice-Activated Interface Module.

VOX operational only on conventional channel.

OPTIONAL ACCESSORIES FOR EMS

0100000000	Tremete Fair to raik rang eviton
0180300E83*	Remote Push-to-Talk Body Switch
0180300E25	Earguard with Adjustable Loop
0180358B32	Earholder. Black, small. Secures Microphone in ear.
0180358B33	Earholder. Black, medium. Secures Microphone in ear.
0180358B34	Earholder. Black, large. Secures Microphone in ear.
0180358B35	Earholder. Clear, small. Secures Microphone in ear.
0180358B36	Earholder. Clear, medium. Secures Microphone in ear.
0180358B37	Earholder. Clear, large. Secures 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.

Eartips. Beige, medium. Pack of 10.

Eartips. Beige, large. Pack of 10.

Remote Push-to-Talk Ring Switch

Temple Transducer

5080358B30 5080358B31

0180305J46

0180358B38*

The Temple Transducer represents a significant achievement in headset design and functionality. It allows the user to receive audio without covering the ear. 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. Compatible with EX500, EX600 and EX600-XLS radios.

Training CD-ROM For Ems and Temple Transducer.

PMLN4585A* Temple Transducer

0180305J46 Training CD-ROM. For EMS and Temple Transducer.



BDN6768A EMS with PTT or VOX Interface Module





audio

Pellet-Style Earpieces

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

PMLN4519B* Earbud with Microphone and Push-to-Talk

Requires adapter PMLN4455B.

PMLN4455B 3.5mm Audio Adapter 7580372E70 Replacement Foam Cushion

for Pellet Earpieces

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.

NMN6245A* Single-Muff, Adjustable, Lightweight

Headset with In-Line PTT Switch and Boom Microphone. Earbud style. Requires audio adapter PMLN4455B.

NMN6246B* Ultra-Lightweight Headset with Boom

 $\label{eq:microphone} \mbox{Microphone, In-Line PTT Switch.}$

Earbud style receiver.

Requires audio adapter PMLN4455B.

JMMN4066A* Single-Muff, Adjustable, Lightweight

Headset with Boom Microphone,

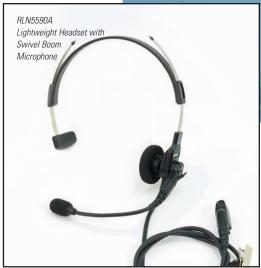
In-Line PTT Switch

RLN5590A Lightweight Headset with Swivel Boom

Microphone, no In-Line PTT Switch

PMLN4455B 3.5mm Audio Adapter







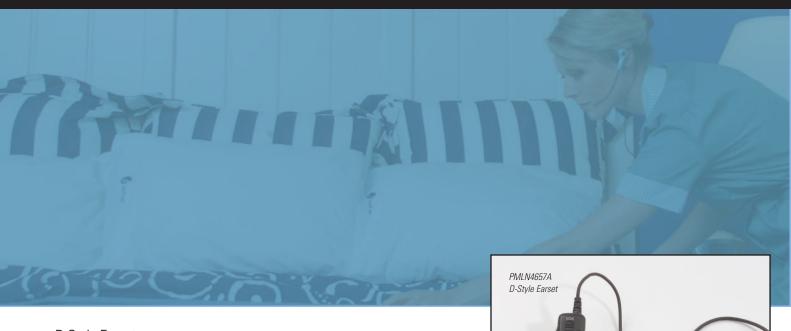




PMLN4519B Pellet-style earpieces allow users to receive communication discreetly and are comfortable for extendedwear use.

The D-Style Earset:

The D-Style Earset is comfortable and has a sleek appearance. Ideal for Hospitality, Retail, Education and Private Security teams.



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 or use. The earset is ideal for users in Hospitality, Retail, Event Coordination, Education and Private Security industries.

PMLN4657A

D-Style Earset with Flexible Boom Microphone, In-Line Push-to-Talk and VOX Switch

D-Style Earsets are

designed for front line

personnel and

coordinators

where projecting a

professional image

is as important

as reliable, seamless

communication.



audio

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, sold separately.

RMN5015A Racing Headset

RKN4093B Adapter Cable for RMN5015A



The same winning quality and dependability you see at professional football stadiums and motor speedways can be yours with the Motorola Racing Headset.

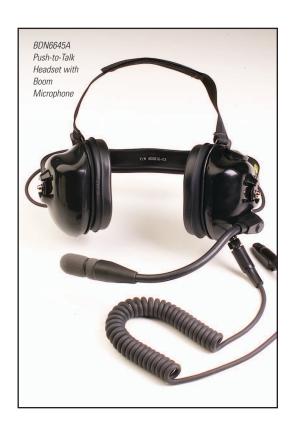
Heavy-Duty Headset

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. Requires adapter RKN4093B, sold separately.

BDN6645A Push-to-Talk Headset with Boom

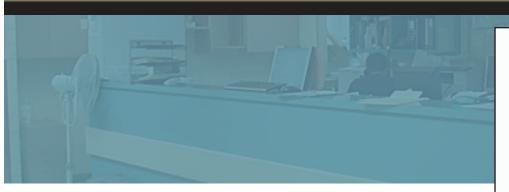
Microphone. Noise reduction = 24dB.

RKN4093B Adapter Cable



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 case selection of Motorola Original® carry accessories.



carry accessories

Carrying 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.

EX500 CASES

PMLN4421B Soft Leather Carry Case with fixed Swivel

Clip — The case protects the radio while

allowing audio to be heard clearly

PMLN4471B Hard Leather Display Carry Case

with Swivel and D-Rings

PMLN4470A Nylon Case with Belt Loop and D-Rings

EX600 CASES

PMLN4520B Hard Leather Display Carry Case with

Swivel and D-Rings

PMLN4521A Soft Leather Carry Case with

Fixed Swivel Clip and D-Ring

CARRY ACCESSORIES

JMZN4023A Plastic Carry Holster with Swivel Belt Clip

Lightweight carry holster provides a convenient means for carrying the radio; the swivel belt clip allows rotation of the

radio to a comfortable position.

JMZN4020A Radio Handstrap

Attaches to the radio allowing it to be worn

around the wrist.

4200865599 1.75 Inch Wide Black Leather Belt

For all models.

NTN5243A Adjustable Black Nylon Carrying Strap

Attaches to "D" ring on case.

WATERPROOF BAG

HLN9985B Waterproof Bag

Includes large carrying strap.

MISCELLANEOUS

JMLN4638A Accessory Dust Cover

Protects the audio side connector.











MOTOROLA O O RIGINAL

Expert 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

1505596Z02 Replacement Strap for HLN6602A

Break-A-Way Chest Pack

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

RLN4570A Break-a-Way Chest Pack with Radio

Holder, Pen Holder and Velcro Secured

Pouch.

1505596Z02 Replacement Strap for 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 Original® Batteries:

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

batteries

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 LITHIUM ION - Li-ion

JMNN4023BR 1000 mAh, 7.5V (Slim) JMNN4024CR 1300 mAh, 7.5V

PMNN4073AR 1400 mAh, FM Li-ion, 7.5V, IP67, Ruggedized PMNN4074AR 1400 mAh, Li-ion, 7.5V, IP67, Ruggedized

PREMIUM NICKEL METAL HYDRIDE - NIMH

JMNN4025AR 700 mAh, 7.5V, Intrinsically Safe

antennas

Stubby Antennas

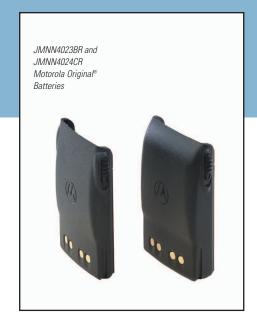
Stubby antennas are ideal when the radio is worn on the belt because they are short and non-obtrusive. These rugged, helical antennas feature a capless sheath that allows for maximum flexibility.

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 PMAE4006A UHF Stubby Antenna, 465-495 MHz, 3.5 Inch

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, 403-520 MHz, 6 Inch
NAD6502AR	VHF Whip Antenna, 150-162 MHz, 6 Inch
NAD6579A	VHF Whip Antenna, 148-161 MHz, 7.5 Inch







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

IMPRES™ Multi-Unit, Rapid-Rate Charger

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 including Expert Series non-IMPRES™ batteries and supports multiple radio platforms.

WPLN4187A IMPRES™ Multi-Unit Charger, 120V - US WPI N4188A IMPRES™ Multi-Unit Charger, 220V - Euro WPLN4189A IMPRES™ Multi-Unit Charger, 240V - UK NLN7967A Wall Mount for Multi-Unit Chargers

Battery Maintenance System PLUS - BMS PLUS

Increase the useful life of your batteries. Using interchangeable battery adapters (sold separately), the ${\rm BMS}^{\scriptscriptstyle {\rm PLUS}}$ 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 BMSPLUS has a 3-year warranty and includes serial printer* port (RS-232).

WPLN4079BR 6-Station BMSPLUS

120V, AC, 50/60 Hz, US Plug

WPLN4080BR 6-Station BMSPLUS

NDN4006B

230V, AC, 50/60 Hz, Euro Plug

WPPN4085AR BMSPLUS Li-ion Field Upgrade Kit.

> Upgrades WPLN4079AR, and WPLN4080AR. Allows units to

support Li-ion batteries.

NDN4005B 3-Station BMSPLUS, 120V, AC, 50/60 Hz

> Does not support Li-ion or 3-cell batteries. 3-Station BMSPLUS, 230V, AC, 50/60 Hz

Does not support Li-ion or 3-cell batteries.

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







BMSPLUS Adapters

WPPN4079AR

For NiCd and NiMH batteries.

WPPN4080AR Adapter

> For NiCd, NiMH, and Li-ion batteries. Requires Li-ion capable BMSPLUS.

Battery Optimizing System II:

Regular use of the BOS II can optimize battery performance and help extend battery life, helping reduce battery replacement costs.



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 User 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. BOS II, 4-Station, 90-264V, AC,

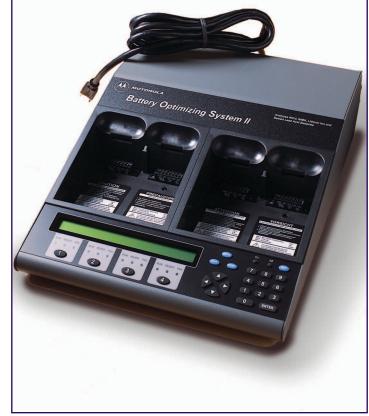
Euro/UK Plug. Adapter Plates Required.

BOS Adapters

WPLN4125AR

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

RL-77255 Standard Adapter for BOS II. For Li-ion batteries.



Call us today to enhance your Expert Series radio capabilities with high-performance Motorola Original® accessories.

STREAMLINED SOLUTIONS FOR A SINGLE RADIO OR ENTIRE FLEET

Every Motorola Expert Series portable two-way radio can be customized to suit your current and future communication needs. All Motorola Original® accessories are built to the highest standards of quality, and are specially engineered to perfectly complement your radio's performance.

So don't wait any longer to increase your productivity with optimum two-way radio performance. Call now for more information.



Call our experts today for more information.



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Motorola

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