



## Expert Series

Two-Way Radios and Accessories

Sophisticated Communication  
in the Palm of Your Hand

**EX500**<sup>TM</sup> VHF  
UHF

**EX600•XLS**<sup>TM</sup> VHF  
UHF

## *Motorola EX500 and EX600•XLS Sleek, Compact, and Powerful*



The pace of today's workplace makes mobility more important than ever. Whether you're coordinating staff to set up a convention, alerting security workers to ward off a potential problem, or directing mobile units headed to an urgent situation, you need dependable communication tools to make critical connections—quickly and discreetly. The innovative Motorola EX500 and EX600•XLS conventional two-way portable radios are designed to give you exactly that.

Compact and lightweight, these sleek Expert Series radios provide advanced communications that you can take virtually anywhere. At less than 10 ounces, the Motorola EX500 and EX600•XLS are among Motorola's smallest two-way radios and fit easily into the palm of your hand. But don't let their small size fool you. Both radios offer exceptional features and functionality to give you plenty of communication power, including:

- Comfortable, ergonomic design to make the radios easy to hold and carry
- X-Pand™ audio enhancement to help reduce background noise and improve sound quality
- Precision-controlled signaling features to save you time and effort by providing an extensive range of calling options
- 14-character alphanumeric display with user friendly icons to help make the radio's information easy to understand (EX600•XLS Only)
- Priority scanning capabilities to help ensure you don't miss important calls
- Versatile accessories to let you customize your radios as your business grows and changes

# EX500 PORTABLE TWO-WAY RADIO

Available in VHF and UHF  
Operates on Conventional Systems



## Practicality and Power

Ideal for high-level professionals who want powerful yet streamlined communication tools, the compact Motorola EX500 portable radio has what it takes to make all the right connections. Its sleek, ergonomic design makes this Expert Series radio easy to hold and carry—and it's so lightweight you can take it virtually anywhere. The Motorola EX500 radio's exceptional features deliver solid functionality and remarkable ease-of-use. Flexible scanning and monitoring capabilities allow you to stay on top of critical transmissions. Three programmable buttons and a range of signaling capabilities offer the tools you require to communicate steadily and efficiently. With the Motorola EX500 radio, you'll have everything you need to perform at your best.

### 16 Channels

### Programmable Emergency Button

Dedicated button that sounds alarm or alerts dispatcher in urgent situations

### X-Pand™ Audio Enhancement

Clearer, crisper audio quality

### 3 Programmable Buttons

Immediate access to your favorite features

- **Adjustable Power Levels**  
Help optimize coverage and battery life
- **Priority Channel Scan**  
Program radio to more frequently scan transmissions on your most important channel, to help ensure you don't miss critical calls
- **Monitor/Permanent Monitor**  
Quickly and easily monitor a specific channel at the touch of a button
- **Repeater/Talkaround**  
Unit-to-unit communication allows radio to bypass the repeater when necessary, to help ensure continuous radio contact

### Quik Call II™ and MDC1200 Signaling

Send and receive information in a variety of ways, including:

- **Push-to-Talk ID (Encode)**  
Identifies your outgoing calls on other users' radios
- **Selective Call (Decode)**  
Lets you receive a specific group or individual call
- **Call Alert (Decode)**  
Notifies you of incoming calls when you're a short distance away from your radio
- **Radio Check (Decode)**  
Tells others whether your radio is activated
- **Emergency (Encode)**  
Sounds an alarm or alerts dispatcher in urgent situations
- **Selective Radio Inhibit (Decode)**  
Allows system owner to disable stolen or missing radios

### Internal VOX

Voice-operated transmission capability with optional headset allows hands-free operation



# EX600•XLS

## PORTABLE TWO-WAY RADIO

Available in VHF and UHF  
Operates on Conventional and LTR® Systems



### Performance and Prestige

Power and versatility are yours with the advanced Motorola EX600•XLS radio. At just 9.5 ounces, this full-keypad portable radio is remarkably compact and lightweight—perfect for professionals on the go. This Expert Series radio has many outstanding features that are designed to meet virtually every communication need. Six programmable buttons allow you to customize your radio's operations to suit your requirements. A full range of signaling capabilities lets you control transmissions with extraordinary precision and dual mode operation capability allows users to switch between LTR® and conventional modes at the touch of a button. User-friendly icons on the large 14-character alphanumeric display provide clear, understandable information at a glance. The Motorola EX600•XLS radio offers the superior communication capabilities you need to keep productivity and efficiency at their highest.

#### 14-Character Alphanumeric Display

User-friendly icons provide clear, easy-to-read indicators, including:

- **Zone, Talkgroup, and Channel Indicator**  
Identifies alias for trunked zone, talkgroup, and conventional channels
- **Battery Gauge**  
Indicates battery strength levels for more effective power management
- **Radio Signal Strength Indicator (RSSI)**  
Displays radio's signal and strength levels at a glance

#### 6 Programmable Buttons

Immediate access to your favorite features

- **Adjustable Power Levels**  
Help optimize coverage and battery life
- **Dual Priority Channel Scan**  
Program radio to frequently scan transmissions on your two most important channels, to help ensure you don't miss critical calls
- **Monitor/Permanent Monitor**  
Quickly and easily monitor a specific channel
- **Repeater Talkaround**  
Unit-to-unit communication allows radio to bypass the repeater when necessary, to help ensure continuous radio contact
- **Home Channel Revert**  
Automatically access a preferred channel
- **Zone**  
Quickly access zone menu for easy scrolling



**160 Conventional Channels and 15 Trunked Zones with 16 Talkgroups each**

#### Programmable Emergency Button

Dedicated button that sounds alarm or alerts dispatcher in urgent situations

#### Control Buttons

Easily manage menu, navigation, and exit functions

#### Telephone Interconnect Capability

Provides access to telephone interconnect through a repeater

#### Quik Call II™ and MDC1200 Signaling

Send and receive information in a variety of ways, including:

- **Push-to-Talk ID (Alphanumeric ID-Encode/Decode)**  
Identify your outgoing calls and incoming callers
- **Selective Call (Encode/Decode)**  
Send and receive a call from a specific group or individual
- **Call Alert (Encode/Decode)**  
Inform unavailable users that you're trying to reach them, and receive alerts of incoming calls when you're a short distance away from your radio
- **Radio Check (Encode/Decode)**  
Learn whether another user's radio is activated, and let others check your radio status
- **Emergency (Encode)**  
Sounds an alarm or alerts dispatcher in urgent situations
- **Selective Radio Inhibit (Decode)**  
Allows system owner to disable stolen or missing radios

# EX500/EX600•XLS

## Specifications

### General

SPECIFICATION	VHF	UHF
EX500 Channel Capacity	16 Channels	
EX600•XLS Channel Capacity	Trunking zone capacity: 15 Trunking talkgroup capacity: 16 Conventional channel capacity: 160	
EX500 Dimensions (with Li-ion Battery)	3.74" x 1.04" x 2.17" 95mm x 26.5mm x 55.1mm	
EX500 Weight (with Li-ion Battery)	8.8 ounces/250 grams	
EX600•XLS Dimensions (with Li-ion Battery)	4.61" x 1.58" x 2.48" 117mm x 40.1mm x 63mm	
EX600•XLS Weight (with Li-ion Battery)	9.5 ounces/270 grams	
EX500/EX600•XLS Power Supply	Rechargeable battery 7.5V	
EX500/EX600•XLS Average Battery Life @ 5/5/90 Duty Cycle with High Capacity Li-ion Battery with Slim Li-ion Battery	Low Power	High Power
	14 hrs	10 hrs
	10 hrs	7 hrs
FCC Description	AZ489FT3801	AZ489FT4844 AZ489FT4845

### Transmitter

SPECIFICATION	VHF/UHF
Frequencies	136-174 MHz 403-470 MHz 450-512 MHz
Channel Spacing	12.5 kHz/20/25 kHz
Freq. Stability (-30° C to 60° C, +25° Ref.)	±2.5 ppm @12.5 kHz ±4 ppm @20/25 kHz
Power	1 W, 5 W, 136-174 MHz 1 W, 4 W, 403-470 MHz 1 W, 4 W, 450-512 MHz
Modulation Limiting	±2.5 KHz @12.5 kHz ±4 KHz @20 kHz ±5 KHz @25 kHz
FM Hum & Noise	-34 dB @12.5 kHz -40 dB @20/25 kHz
Conducted/Radiated Emission	-36 dBm < 1 GHz -30 dBm > 1 GHz
Adjacent Channel Power	-60 dBc @12.5 kHz -70 dBc @20/25 kHz
Audio Response (300 - 3000 Hz)	+1 to -3dB of a 6 dB/octave pre-emphasis
Audio Distortion	3%
FM Modulation	16K0F3E, 11K0F3E

### Factory Mutual Approvals

The EX500 and EX600•XLS are Factory Mutual approved as intrinsically safe for use in Classes I, II, and III, Division 1, Groups C, D, E, F and G, as well as non-incentive use in Class I, Division 2, Groups A, B, C and D on models ordered with the Factory Mutual option and battery.

### Receiver

SPECIFICATION	VHF/UHF
Frequencies	136-174 MHz 403-470 MHz 450-512 MHz
Channel Spacing	12.5/20/25 kHz
Freq. Stability (-30° C to 60° C, +25° Ref.)	±2.5 ppm @12.5 kHz ±4 ppm @20/25 kHz
Sensitivity (12 dB SINAD)	0.35 µV
Intermodulation	70 dB
Adjacent Channel Selectivity	60 dB @ 12.5 kHz 70 dB @ 20/25 kHz
Spurious Rejection	70 dB
Rated Audio	0.5 W
Audio Distortion @ Rated Audio	3% typical
Hum and Noise	-34 dB @12.5 kHz -40 dB @20/25 kHz
Conducted Spurious Emission	-57 dBm < 1 GHz -47 dBm > 1 GHz

NOTE: All RX Hum and Noise numbers assume a low level expander is used.

### Portable Military Standards 810 C, D & E

Applicable	810C		810D		810E	
	Methods	Procedures	Methods	Procedures	Methods	Procedures
Low Pressure	500.1	1	500.2	2	500.3	2
High Temp	501.1	1,2	501.2	1,2	501.3	1,2
Low Temp	502.1	2	502.2	1,2	502.3	1,2
Temp. Shock	503.1	1	503.2	1	503.3	1
Solar Radiation	505.1	1	505.2	1	505.3	1
Rain	506.1	1,2	506.2	1,2	506.3	1,2
Humidity	507.1	2	507.2	2,3	507.3	2,3
Salt Fog	509.1	1	509.2	1	509.3	1
Dust	510.1	1	510.2	1	510.3	1
Shock	516.2	1,2,5	516.3	1,4	516.4	1,4
Vibration	514.2	8,10	514.3	1	514.4	1

### Environmental

PARAMETER	SPECIFICATION
Operating Temperature Radio only	-30 to 60° C
Storage Temperature	-55 to 85° C
Thermal Shock	-40 to 80° C
Humidity	95% RH @ 8 Hr.
Sand Dust	Blowing Dust: 5 Hr. Non-operating IP54
Vibration	SINE 10-60Hz 30 min/axis
Drop Test	42 drops from 48" height 42 drops from 121.9cm height
Flame Resistance	UL94 HB
ESD	IEC 801-2 KV
Water Intrusion	IP54
Packing Test	5 feet

## Audio Accessories

### REMOTE SPEAKER MICROPHONE (RSM)

JMMN4073A\* Remote Speaker Microphone with 2.5mm Audio Jack

The Remote Speaker Microphone is a water-resistant compact unit that allows the user to talk and listen without removing the radio from the belt case or charger. It has a coiled cord push-to-talk switch and clothing clip on the back cover.

### RSM ACCESSORY

PMLN4393A Flexible Ear Receiver with 2.5mm Audio Plug – for use with Remote Speaker Microphone JMMN4073A

### SURVEILLANCE KITS

#### RECEIVE ONLY EARPIECE (1-WIRE)

BDN6664A\* Beige  
BDN6665A†\* Beige  
BDN6726A\* Black  
BDN6727A†\* Black

#### RECEIVE ONLY EARPIECE WITH VOLUME CONTROL (1-WIRE)

BDN6666A†\* Beige  
BDN6728A\* Black

#### EARPIECE WITH MICROPHONE AND PUSH-TO-TALK COMBINED (2-WIRE)

BDN6667A\* Beige  
BDN6669A†\* Beige  
BDN6729A\* Black  
BDN6731A†\* Black

#### EARPIECE WITH MICROPHONE AND PUSH-TO-TALK SEPARATE (3-WIRE)

BDN6668A\* Beige  
BDN6670A†\* Beige  
BDN6730A\* Black  
BDN6732A†\* Black

#### SURVEILLANCE KIT REPLACEMENT ACCESSORIES

PMLN4455B\* 3.5mm Jack Adapter with Quick Disconnect Latch  
5080370E97 Standard Rubber Eartip, pack of 25, Clear

Surveillance accessories allow the user to privately receive communications with the earpiece and are ideal when environments require discreet communications. The surveillance accessories on the next page require the PMLN4455B (3.5mm adapter jack) that attaches to the radio, unless being used with a speaker microphone.

† Extra Loud Earpiece (exceeds OSHA limits)

\* Intrinsicly safe



BDN6667A

## Audio Accessories



NTN8370A

### NOISE KITS

NTN8370A	Extreme Noise Kit, includes 2 foam earplugs for loud environments and provides 24dB of noise reduction
NTN8371A	Low Noise Kit, includes rubber eartip for low noise environments; does not provide hearing protection
5080384F72	Replacement Foam Plugs for use with NTN8370A (pack of 50)
5080370E97	Replacement Standard Clear Rubber Eartips for use with NTN8371A (pack of 25)
5080369E39	Extra Loud Earphone, Beige
5080370E91	Extra Loud Earphone, Black



NTN8371A

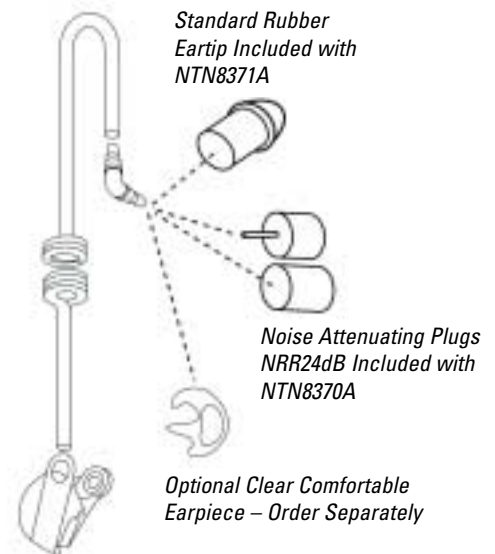
This lightweight translucent tube attaches to Motorola surveillance accessories to provide additional flexibility and comfort. Clothing clip prevents the accessory from being pulled from the ear due to body movement or head rotation. For optimal performance, Extra Loud Earphones are recommended for Noise Kits.

### CLEAR COMFORTABLE EARPIECES

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

The Clear Comfortable Earpiece forms to the inside of the ear and is perfect for low noise environments. Compatible with the NTN8371A Clear Acoustic Tube Assembly and Surveillance Kits (1,2,3 wire). The earpiece is made of easy-to-clean chemically inert, hypo-allergenic material. The following 3 items are required for this product:

- Clear Comfortable Earpiece
- Clear Acoustic Tube Assembly (NTN8371A)
- Surveillance Kit



Acoustic Tube with Earphone



## Audio Accessories

### COMPLETELY DISCREET EARPIECE

- RLN4922A Completely Discreet Earpiece Kit; includes Wireless Earpiece, Inductive Neckloop, 6 Spare Batteries and 5 Spare Ear Wax Guards
- RLN4919A Ear Wax Guards, 5 per pack
- RNN4005A 1.4V Battery, 6 per pack



RLN4922A

Remain discreetly in touch with this miniaturized receiver. All messages received through the user's two-way radio are inductively relayed to the Wireless Earpiece in the user's ear. Inductive Neckloop is easily hidden under the user's clothing for covert operations. Neckloop attaches to the user's Motorola Surveillance Kit, providing completely discreet two-way communications. Security operatives, public safety officials, and private investigators can communicate with ease without any visible equipment. As small as it is, this earpiece offers a full range of audio functions, including automatic squelch, automatic gain control and noise filtering. Must be used in conjunction with a Motorola Surveillance Kit. Just remove the earpiece on any standard 2 or 3 wire Surveillance Kit and plug in the Neckloop for completely discreet communication.

### FLEXIBLE EAR RECEIVER

- BDN6719A Ear Receiver, Black (requires PMLN4455B audio adapter)
- 7580372E11 Replacement Foam Ear Cushion

The Flexible Ear Receiver contains a flexible ear-loop and speaker and rests external to the ear.

### EAR MICROPHONE SYSTEM (EMS)

- BDN6768A\* Standard Ear Microphone (for noise levels up to 95dB), Black, requires JMMN4064A
- BDN6769A\* Standard Ear Microphone (for noise levels up to 95dB), Beige, requires JMMN4064A
- BDN6770A\* High Noise Level Ear Microphone (up to 105db), Gray, requires JMMN4064A
- 0180358B38\* Remote Ring PTT Switch
- 0180300E83\* Remote Body PTT Switch
- 0180305J46 Training CD for Ear Mic and Temple Transducer
- JMMN4064A\* PTT or Voice-Activated Interface Module

This compact unit picks up the voice through bone vibrations in the ear canal. The miniature earpiece leaves the hands free and face unobscured when worn by rescue and hazard protection personnel, who still retain the ability for direct hearing and speaking. For personnel required to wear breathing apparatus, communication with a protective mask is as clear as communication without it. The Ear Microphone System's high speech clarity under noisy environments makes it ideal for use in high noise situations.



JMMN4064A

\* Intrinsicly safe



## Audio Accessories



PMLN4519A

### PELLET STYLE EARPIECES

PMLN4519A\* Single earbud with Microphone and Push-to-Talk

### LIGHTWEIGHT HEADSETS

- NMN6246B\* Ultralight Headset with Boom Microphone and In-Line PTT (Requires PMLN4455B\* audio adapter)
- JMMN4066A\* Single Muff, Adjustable Lightweight Headset with Boom Microphone and In-Line PTT
- NMN6245A\* Single Muff, Adjustable Lightweight Headsets with Boom Microphone and In-Line PTT, Earbud Style (Requires PMLN4455B\* audio adapter)
- RLN5590A Lightweight Headset with Boom Microphone

Lightweight Headsets allow for high clarity, discreet, two-way communications while adding the comfort necessary for extended wear in moderate noise environments.



JMMN4066A

### ACCESSORY AUDIO ADAPTER

PMLN4455B\* Accessory Audio Adapter with 3.5mm Plug

The Accessory Audio Adapter allows qualified Audio Accessories with 3.5mm plug to be used with the EX Series Radios.

### TEMPLE TRANSDUCER

- PMLN4585A\* Temple Transducer. Compatible with EX500, EX600 and EX600•XLS two-way radios
- 0180305J46 Training CD for Temple Transducer and Ear Microphone System

The remarkable Temple Transducer headset lets EX Series two-way radio users listen to radio transmissions via their temples, not their ears. This lightweight, behind-the-head style headset features two temple receivers that convert audio into sound vibration and transmit it directly into the inner ear. It's ideal for a wide range of users, including police on bicycle or mounted patrol, manufacturing, construction workers and entertainment industry personnel. Designed for all-day comfort with a customizable headband and rubber covers on each transducer. In high noise environments, users can simply use foam earplugs as needed while the headband remains in place. In standard noise environments, both of the user's ears are left uncovered to ensure all necessary external sounds are heard. Each model includes a noise-canceling boom microphone with replaceable windscreen, plus an in-line PTT with clothing clip.



RLN5590A

\*Intrinsically safe

## Audio Accessories & General Accessories

### RACING HEADSET

- RMN5015A Racing Headset; requires Adapter Cable RKN4093B; noise reduction rating = 24dB
- RKN4093B Radio Adapter Cable

Motorola is the official wireless equipment supplier of CART® (Championship Auto Racing Teams), so whether your playing field is a racetrack, construction site or other challenging environment, you can count on this racing headset for superior comfort and dependable operation.



BDN6645A

### HEAVY DUTY HEADSETS

- BDN6635C\* Voice Activated Headset with Boom Microphone; requires Adapter Cable RKN4093B; noise reduction rating = 24dB
- BDN6636C\* Voice Activated Headset with Throat Microphone; requires Adapter Cable RKN4093B; noise reduction rating = 24dB
- BDN6645A Push-To-Talk Headset with Boom Microphone; requires Adapter Cable RKN4093B; noise reduction rating = 24dB
- RKN4093B Radio Adapter Cable

### GENERAL ACCESSORIES

- JMLN4638A Accessory Dust Cover – protects the audio side connector
- RLN4890A Assistive Turning Knobs

If your job requires you to wear large gloves, or if you have mobility or dexterity limitations, you will appreciate this added feature; set of two specifically designed knobs for volume control and channel changing.



JMLN4638A



RLN4890A

\* Intrinsicly safe

## Carrying Accessories



PMLN4421B

### EX500 CARRYING 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 Carry Case with Swivel and D-Rings
- PMLN4470A Nylon Case with Belt Loop and D-Rings

### EX600•XLS CARRYING CASES

- PMLN4520B Hard Leather Carry Case with Swivel and D-Rings
- PMLN4521A Soft Leather Carry Case with fixed Swivel Clip and D-Ring

A variety of carrying accessories are available for your comfort and convenience. The Carry Cases are available in sizes to fit your radio and battery and permit audio to be heard clearly.

### CARRYING ACCESSORIES

- JMZN4023A Plastic Carry Holster with Swivel Belt Clip, Lightweight Carry Holster provides convenient means for carrying the radio; the Swivel Belt Clip provides the ability to rotate the radio to a comfortable position
- JMZN4020A Radio Handstrap, attaches to the radio allowing it to be worn around the wrist
- 4200865599 1.75" wide leather belt for all models
- NTN5243A Adjustable black carrying strap attaches to "D" ring on case

### WATERPROOF BAG

- HLN9985B Waterproof Bag, includes large Carrying Strap



JMZN4023A

## Carrying Accessories



HLN6602A

### **CHESTPACK**

HLN6602A  
1505596Z02

Universal Chest Pack with Radio Holder and Velcro Secured Pocket  
Replacement Strap for HLN6602A

### **BREAK-A-WAY CHEST PACK**

RLN4570A Break-A-Way Chest Pack  
1505596Z02 Replacement Strap for RLN4570A

All of the same features as the original Chest Pack (HLN6602A) plus break-a-way tabs that allow the entire pack to be pulled off with approximately 10 lbs. of pressure. Perfect for railroads, manufacturing locations, construction sites, and anywhere safety is a concern.



RLN4570A



RLN4815A

### **RadioPAK™**

RLN4815A  
4280384F89

RadioPAK™ Radio/Utility Case  
Universal RadioPAK™ Belt Lengthener; fits waists larger than 40"

It's different from all other holders or cases; more comfortable, more useful and more stylish. Worn around the waist, it holds two-way, iDEN portables or cellular phones at hand. Includes a separate 6" x 8" zippered pouch for other on-the-job necessities. Adjustable nylon weave belt; fits both men and women.

## Chargers



WPLN4124AR

### BATTERY OPTIMIZING SYSTEM II (BOS II)

WPLN4124AR BOS II, Four Station, 100-240VAC (US line cord)

WPLN4125AR BOS II, Four Station, 100-240VAC (UK/Euro line cords)

No other battery analyzer matches the speed, accuracy, and versatility of the Battery Optimizing System II. Ideal for large fleet, public safety, and all other users who rely on their battery performance. Now with increased power, more sophisticated programming options, and easier to use navigation paths, optimizing your batteries is easier than ever. Key features include:

- Support for NiCd, NiMH, Li-ion, and SLA batteries
- 100-watt Power Supply programmable from 100 mA to 4 Amps per station
- Interchangeable Adapters accommodate all major brands
- Includes a variety of User Programs and allows for 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

### BATTERY MAINTENANCE SYSTEM <sup>PLUS</sup> (BMS <sup>PLUS</sup>)

#### INCREASE THE USEFUL LIFE OF YOUR BATTERIES

WPLN4079BR Six-Station, 110V AC, 50/60 Hz

WPLN4080BR Six-Station, 230V AC, 50/60 Hz

WPPN4085AR BMS<sup>plus</sup> field Upgrade Kit for WPLN4079AR, WPLN4080AR and WPLN4081AR; allows these units to support Li-ion battery chemistries.

NDN4005B Three-Station, 110V AC, 50/60 Hz (does not support Li-ion or 3-cell batteries)

NDN4006B Three-Station, 230V AC, 50/60 Hz (does not support Li-ion or 3-cell batteries)

Using interchangeable battery adapters (sold separately), the BMS<sup>plus</sup> is capable of charging and discharging, analyzing, conditioning, and cycle testing batteries. It supports NiCd, NiMH, and Li-ion battery chemistries (Li-ion on six station models only) and tracks battery voltage and capacity (mAh). The BMS<sup>plus</sup> offers a 3-year warranty. Its easy-to-use design supports hundreds of 2-way, cellular, and camcorder batteries. Includes serial printer\* port (RS-232)

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

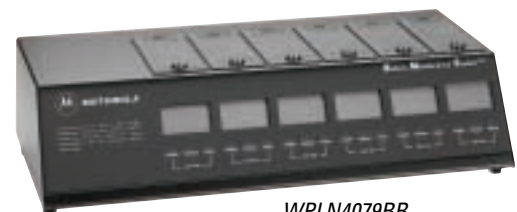
### BMS <sup>PLUS</sup> ADAPTERS

WPPN4079AR Adapter compatible with both NiCd and NiMH batteries

WPPN4080AR Adapter compatible with NiCd, NiMH, and Li-ion batteries, requires Li-ion capable BMS<sup>plus</sup>

### BOS II BATTERY ADAPTER

RL-77255 Adapter Plates



WPLN4079BR



## Chargers & Batteries

### CHARGERS

#### SINGLE AND SIX-UNIT CHARGERS

AAHTN3000D 120V Single Unit Rapid Rate Charger (US plug)

AAHTN3003D 120V Six-Unit Rapid Rate Charger

NLN7967A Wall Mount Kit for Six-Unit Charger



AAHTN3000D

Single and Multi-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. Multi-unit Chargers can be wall or rack mounted and are ideal for multi-shift operations. All Chargers are specifically designed to meet the requirements of batteries manufactured by Motorola.

### BATTERIES

#### PREMIUM LITHIUM ION (Li-ion)

JMNN4023AR 1000 mAh, 7.5V (Slim)

JMNN4024BR 1300 mAh, 7.5V

#### PREMIUM NICKEL METAL HYDRIDE (NiMH)

JMNN4025AR 700 mAh, 7.5V, Intrinsically Safe

Motorola Original Batteries are ruggedly designed for lasting durability and 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.



JMNN4023AR



JMNN4024BR

## Antennas

### ANTENNAS

#### STUBBY ANTENNAS

<i>PMAD4012A</i>	9cm Stubby, 136-155 MHz
<i>PMAD4025A</i>	9cm Stubby, 150-161 MHz
<i>PMAD4013A</i>	9cm Stubby, 155-174 MHz
<i>PMAE4002A</i>	9cm Stubby, 403-433 MHz
<i>PMAE4006A</i>	9cm Stubby, 465-490 MHz
<i>8504762J08</i>	9cm Stubby, 438-470 MHz

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

#### FLEXIBLE WHIP ANTENNAS

<i>8504762J01</i>	Flexible Whip, 136-155 MHz
<i>PMAD4023A</i>	Flexible Whip, 150-161 MHz
<i>8504762J02</i>	Flexible Whip, 155-174 MHz
<i>NAE6483AR</i>	Flexible Whip, 403-520 MHz
<i>NAD6502AR</i>	Heliflex, 146-174 MHz
<i>NAD6579A</i>	Whip Antenna, 148-161 MHz

Flexible Whip Antennas have a one-piece finish, steel core, and spiral wound conductor for optimal radiation characteristics. They provide more comfort when the radio is worn on the belt.



*PMAD4013A*



*NAE6483AR*



*NAD6502AR*



For more information, please contact:



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