Motorola Two-Way Portable and Mobile Radio Accessory and Battery Catalog

PORTABLE

ASTRO® Digital Saber

MOBILES

ASTRO® Digital SPECTRA™

ASTRO® Digital SPECTRA Plus™

SPECTRA

XTL™ 5000 (ASTRO® Control Heads)

Motorola Quality...

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

You likely chose your Motorola portable or 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.

For starters, every Motorola Original® accessory is performance-matched for Motorola radios — designed, built and rigorously tested to the same quality standards. So you can be sure that every product in this catalog will perfectly complement your radio's performance.

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 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. Carry cases for ease when on the move. Earpieces to ensure privacy. Headsets for hands-free operation. High-capacity batteries to extend work time, and more. They're all ready to help you work smarter, harder, with greater confidence.

table of contents...

The Ear Microphone System may be worn with protective masks without reduction in sound clarity. It's ideal for high-noise environments. Available in PTT, like the one shown here, or with Voice-Activated Module.

How the Book is Organized

Portable Radio

Mobile Radios

ASTRO® Digital SABER portable

Police

Whether in hot pursuit or investigating a cold case, communication can be made much easier with an Ear Microphone System with PTT and VOX Interface Module.

Fire

It takes two hands for climbing ladders and controlling hoses, and solutions like our Chest Pack provide both welcome freedom and valued protection in the heat of the action.

Emergency Response

First responders deserve first-class tools for communicating their position and conditions, and our Lightweight Headsets help everyone quickly and clearly get the message.

Security

From crowd control to answering an alarm signaling illegal entry, a Remote Speaker Microphone lets professionals respond instantly without the need to reach for radio controls.
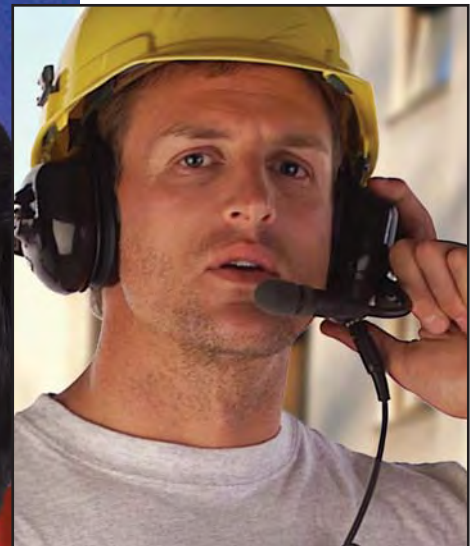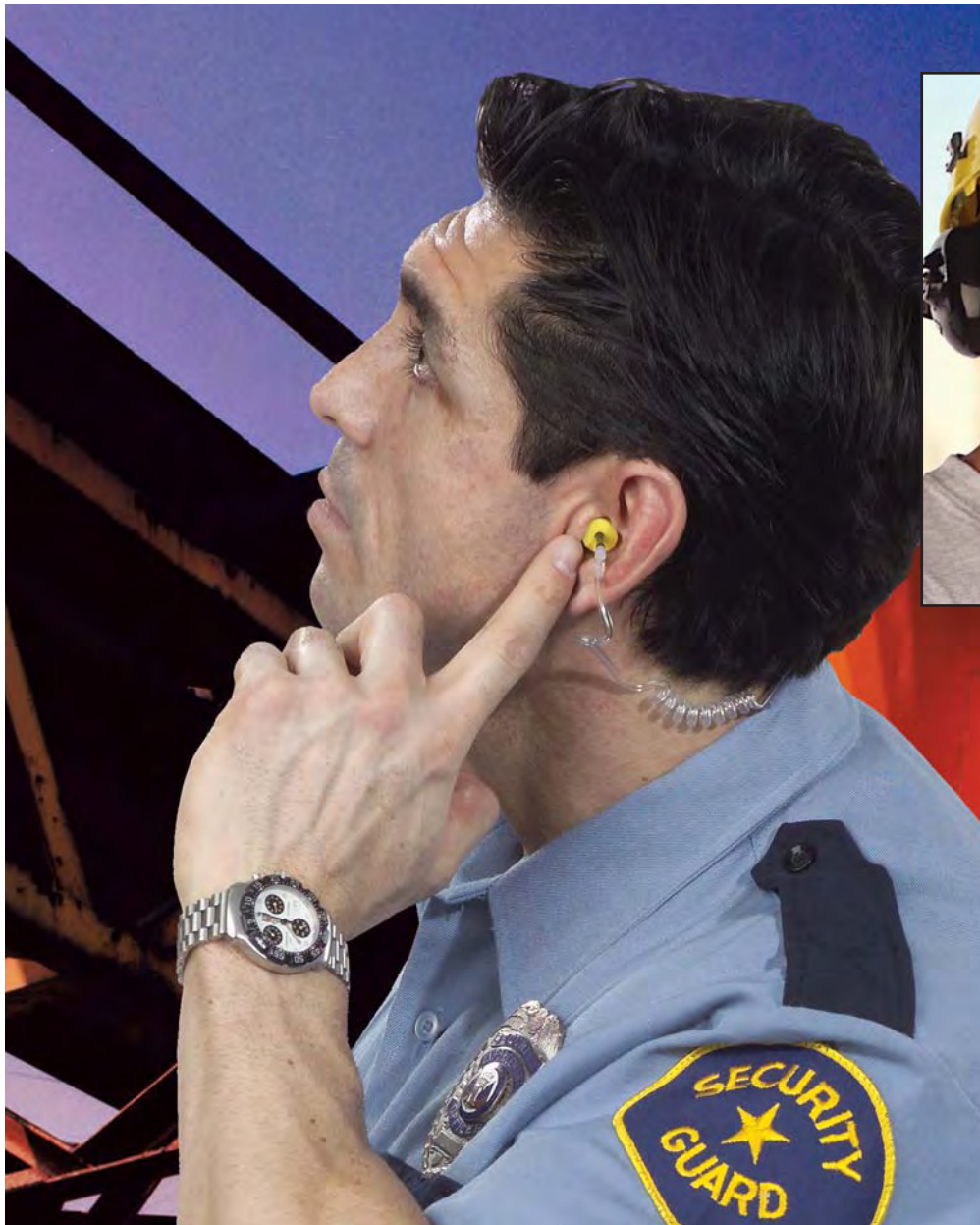
"Yes sir...

I just hoisted the

welding machine

up in the air, that

should keep it

safe tonight."

consistent audio quality while you work in digital and analog...

ASTRO® Digital SABER radios work in both digital and analog environments for communication flexibility. All

models are compatible with trunked systems including SECURENET®, SMARTNET Type II, Stat-Alert™ and SmartZone.

Plus, they accept FLASHport™ software upgrades so you can add features as communication needs evolve.

In the case.

Out of the case.

In. Out.

It's more efficient

to leave a radio

in place and

wear a microphone

on a uniform jacket or

shirt collar — and

Motorola Original®

audio accessories

make it possible.

It's no sweat to

communicate in

humid environments

with a water-resist-

ant UHF Public

Safety Microphone

NMN6227B.

narrow band operation...

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.

NMN6217B*   Remote Speaker Microphone with 6-Foot Coil Cord

UHF Public Safety Microphones (PSM)

These water-resistant microphones have a high/low audio switch and straight cord.
The external antenna provides additional antenna height for better radiation pattern.

NMN6227B   UHF Public Safety Microphone with 30 Inch Straight Cord
NMN6234B   UHF Public Safety Microphone with 24 Inch Straight Cord
NMN6236B   UHF Public Safety Microphone with 18 Inch Straight Cord

Note: Not compatible with SABER or Systems SABER radios and not recommended for use with VHF. Utilizes the same antenna as the ASTRO SABER, sold separately.

Microphone Antennas for PSM

8505309N09   400-430 MHz Antenna
8505309N10   440-470 MHz Antenna
8505309N11   470-512 MHz Antenna

Velcro Patch

NLN8410A   Velcro Patch Pin Attachment. For speaker/microphone assemblies.

Epaulet Straps

Black leather Epaulet Straps secure the Remote Speaker Microphone to epaulet on shirt or jacket and accommodate back clip in leather cut-outs. Snap closure secures cord to allow reliable communications in hostile environments.

RLN4294A   Epaulet Strap, Velcro
RLN4295A   Epaulet Strap, with Clip

Accessory Connector Cover

NTN7061A   Universal Connector Cover

NMN6217B

NMN6236B

RLN4295A

NTN7061A

audio

Surveillance Kits

Surveillance accessories allow the radio user to privately receive messages with the earpiece. They are ideal when environments require discreet communication.

NSN6050A

1-WIRE SURVEILLANCE KIT
NSN6050A*   Receive-Only Earpiece with Standard Earphone (1-Wire). Beige.

2-WIRE SURVEILLANCE KITS
ZMN6032A*   Earpiece with Microphone and Push-to-Talk Combined (2-Wire). Beige.
ZMN6038A*†   Extra Loud Earpiece with Microphone and Push-to-Talk Combined (2-Wire). Beige.

3-WIRE SURVEILLANCE KITS
ZMN6031A*   Earpiece with Microphone and Push-to-Talk Combined (3-Wire). Beige.
ZMN6039A*†   Extra Loud Earpiece with Microphone and Push-to-Talk Combined (3-Wire). Beige.

ZMN6032A

Surveillance Kit Accessory

Surveillance accessories allow the user to receive audio through the earpiece and are ideal when environments require discreet communication. These accessories require adapter NTN5664D (with keyload capability).

NTN5664D   Adapter with Keyload Capability

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. 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 for Noise Kits.

NTN8370A   Extreme Noise Kit. Includes 2 foam earplugs.
                   For high-noise environments. Can be used with Clear
                   Comfortable Earpieces. Noise reduction = 24dB.
NTN8371A   Low Noise Kit - Clear Acoustic Tube Assembly
                   Includes 1 rubber eartip. For low noise environments,
                   does not provide hearing protection.
5080369E39†   Extra Loud Earphone. Beige.
5080370E91†   Extra Loud Earphone. Black.

SURVEILLANCE REPLACEMENT ACCESSORIES
5080384F72   Replacement Foam Plugs. Pack of 50.
                   For use with NTN8370A. Noise reduction = 24dB.
5080370E97   Standard Rubber Eartips, Clear. Pack of 25.

NTN8371A
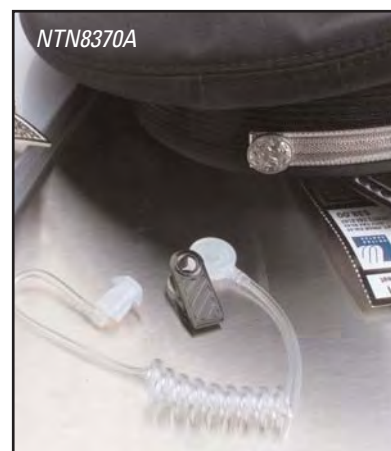
NTN8370A

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 NTN8371A and all 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
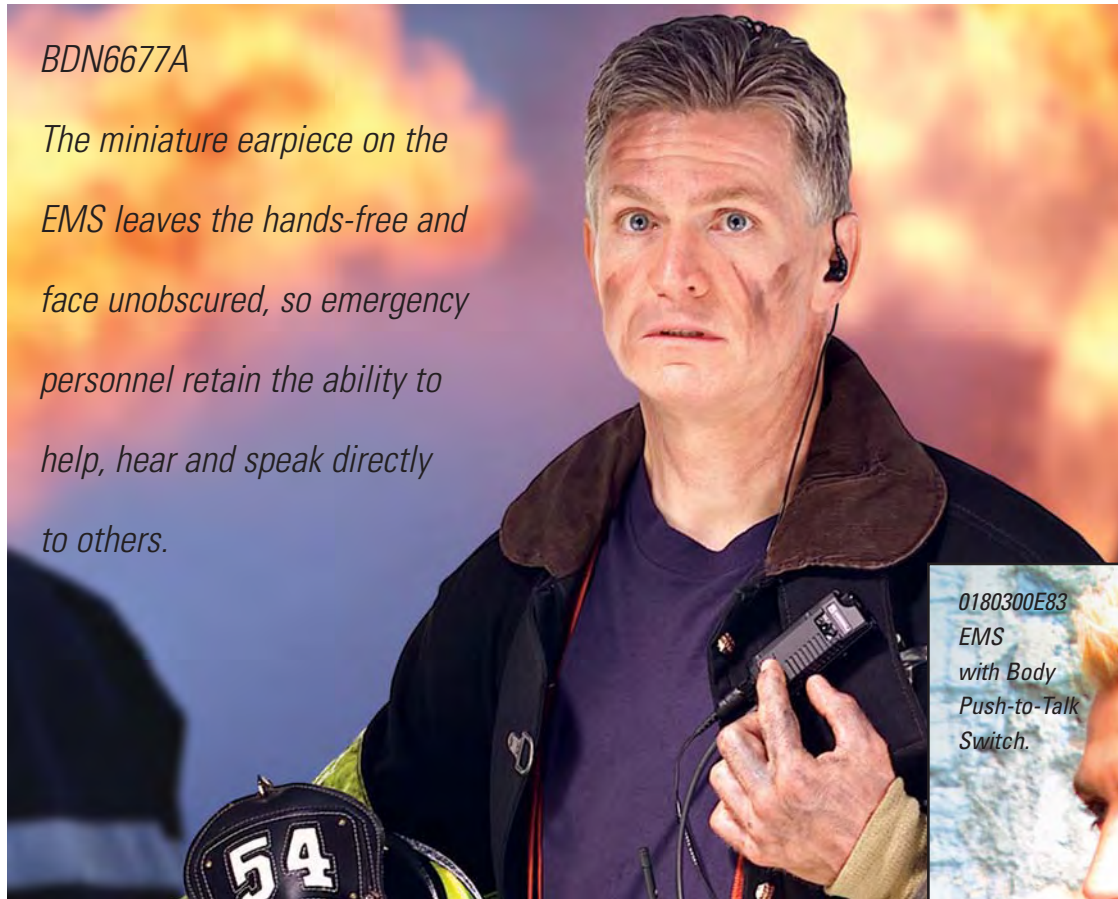RLN4764A
RLN4761A
RLN4763A
RLN4760A*

*Intrinsically Safe
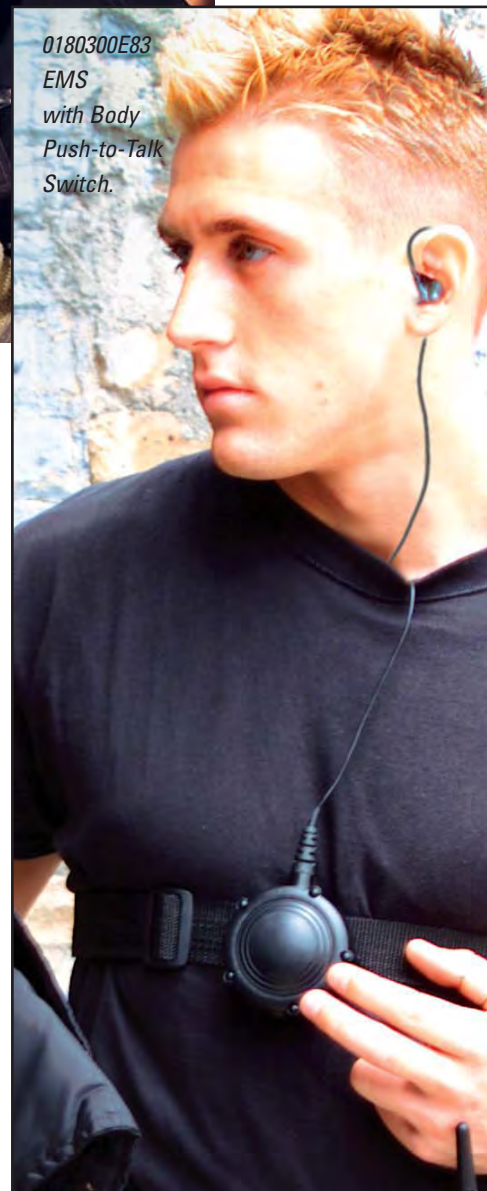†Extra Loud Earphone (exceeds OSHA limits)

mission critical essentials...

BDN6677A

The miniature earpiece on the EMS leaves the hands-free and face unobscured, so emergency personnel retain the ability to help, hear and speak directly to others.

0180300E83 EMS with Body Push-to-Talk Switch.

Ear Microphone Systems (EMS)

This compact, lightweight unit picks up sound through bone vibrations in the ear. The miniature ear-piece 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. Available in 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).
BDN6642B*	Push-to-Talk Only Interface Module
BDN6643B*	Push-to-Talk and Voice-Activated Interface Module

OPTIONAL ACCESSORIES FOR THE EMS

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

0180300E25

*Intrinsically Safe

audio

When seconds count,

Motorola Original®

Audio Accessories

can help assure critical

information gets

communicated right

the first time —

quickly, clearly,

and accurately.

Security teams know

that for dependability

and all-day comfort, the

Flexible Ear Receiver

BDN6717B goes to the

head of the class.
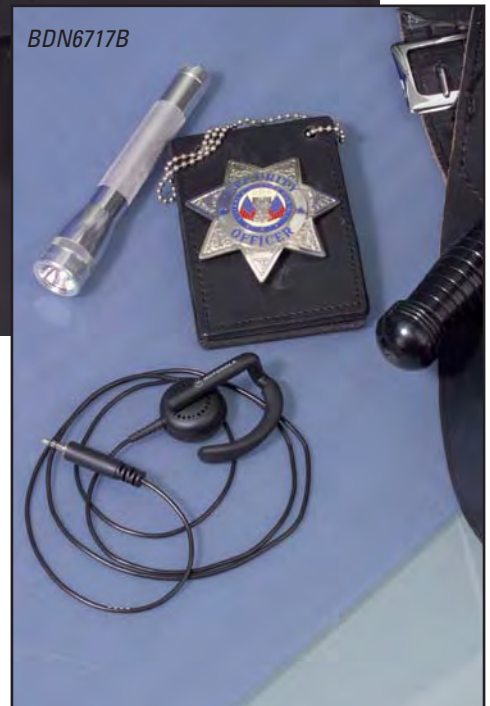
BDN6717B

Flexible Ear Receiver

This receive-only earpiece contains a flexible earloop and speaker which rests external to the ear. It plugs directly into adapter NTN5664D or the earjack on speaker microphones.

BDN6717B	Flexible Ear Receiver with 2.5mm Plug Adapter NTN5664D required when used without speaker microphones.
NTN5664D	Adapter with Keyload Capability
7580372E11	Replacement Foam Ear Cushion for BDN6717B.

essential for secure environments...

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. Can be worn with a helmet or safety glasses as shown right, sold separately.

NMN6050B*   Lightweight Headset with Boom Microphone. Can be worn with
                   a helmet or safety glasses. Requires adapter cable NTN5913A.
NTN5913A*   Headset Adapter Cable with Bayonet Jack.

Heavy-Duty Headsets

Heavy-duty headsets include noise-cancelling boom microphones and can be worn with or without a hardhat. The Push-to-Talk switch is located on the earcup. On voice-activated models, the VOX module is contained within the headset. Heavy-duty headsets require radio adapter cable BDN6640A, sold separately. Hardhat not included.

BDN6645A   Push-to-Talk Headset with Boom Microphone
                   Requires adapter cable BDN6640A. Noise reduction rating = 24dB.
BDN6635B   Voice-Activated (VOX) Headset with Boom Microphone
                   Requires adapter cable BDN6640A. Noise reduction rating = 24dB.
BDN6636B*   Voice-Activated (VOX) Headset with Throat Microphone
                   Requires adapter cable BDN6640A. Noise reduction rating = 24dB.
BDN6640A*   Radio Adapter Cable

*Intrinsically Safe
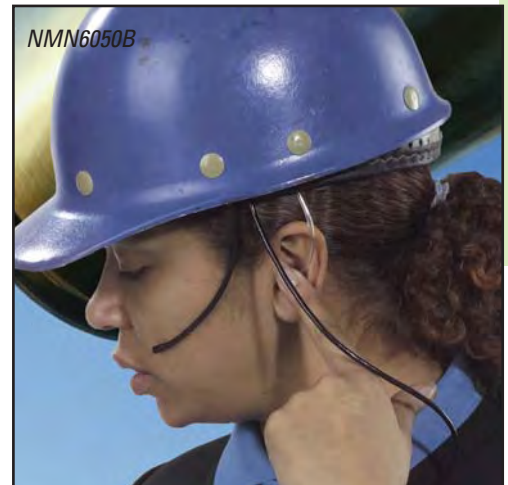
NMN6050B

BDN6645A

BDN6645A

BDN6636B

Leather Carrying Cases

A variety of carrying accessories are available for comfort and convenience. The carrying cases are available in sizes designed to fit radios with a battery and permit audio to be heard clearly. Motorola carry cases were developed to meet the demands of public safety and other users who operate in the most rigorous of environments.

Leather cases are constructed of top grain, 8 ounce leather and all stainless steel hardware. High-activity cases have a swivel D-ring button and belt loop. To remove case from belt loop, rotate case 180 degrees and slide case upward, out of the holder. Case stays on belt more securely in high-activity applications while allowing the radio to swing freely with body movements.

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

FOR MEDIUM CAPACITY NiCd BATTERIES

NTN5578A	Leather Standard Snap Case with Belt Loop and D-rings T-strap sold separately.
NTN5644A	Leather Swivel Snap Case with D-rings T-strap and swivel belt loop sold separately.
NTN8124A	High-Activity Leather Swivel Snap Case with D-rings T-strap and swivel belt loop sold separately.

FOR ULTRA-HIGH CAPACITY NiCd BATTERIES

NTN7572A	Leather Standard Snap Case with Belt Loop and D-rings T-strap sold separately.
NTN7573A	Leather Swivel Snap Case with D-rings T-strap and swivel belt loop sold separately.
NTN8125A	High-Activity Leather Swivel Snap Case with D-rings T-strap and swivel belt loop sold separately.
NTN7847A	Nylon Swivel Snap Case For use with 2.5 inch swivel belt loop and T-strap. For use with ruggedized radios.
NTN7529B	Nylon Standard Snap Case with Belt Loop Includes T-strap.

NTN5644A

NTN8124A

NTN7572A

Carrying Accessories

T-STRAPS

NTN7758A	Leather Case T-Strap
NTN7846A	Nylon Case T-Strap

BELT LOOPS

4282421J06	2.5 Inch Leather Swivel Belt Loop
4205857B01	3 Inch Leather Swivel Belt Loop

HIGH-ACTIVITY BUTTON

PHN6141A	Removable D Button Used in conjunction with high-activity belt loop.

BELT CLIP

NTN7309A	Removable Belt Clip Attachment

CARRYING STRAP

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

NTN5243A

4205857B01

4282421J06

PHN6141A

MOTOROLA ®
ORIGINAL

Universal

Chest Pack

HLN6602A

has adjustable

shoulder and

waist straps.

RLN4815A

Chest Pack

Motorola Original® Universal Chest Pack protects the radio and provides the freedom from holding it during standby communication mode. Universal Chest Pack fits virtually any radio.

HLN6602A   Universal Chest Pack with Radio Holder,
                          Pen Holder and Velcro Secured Pouch
1505596Z02   Replacement Strap for HLN6602A/RLN4570A

Break-A-Way Chest Pack

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

RLN4570A   Break-a-Way Chest Pack with Radio Holder,
                          Pen Holder and Velcro Secured Pouch
1505596Z02   Replacement Strap for HLN6602A/RLN4570A

Universal RadioPAk™

The RadioPAk is lightweight and comfortable. Worn around the waist, it keeps radios/phones at hand. It features a separate 6 x 8 inch zippered pouch for other on-the-job necessities. Adjustable, woven nylon belt fits both men and women.

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

RLN4570A

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.

Waterproof Bag

HLN9985B   Waterproof Bag with Large Strap

Portable Radio Hangers

Portable Radio Hangers slide over and hang from the vehicle door panel allowing convenient, easy mounting. Radio belt clip required.

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

TDN9327A, TDN9373A

11

Battery Characteristics

NiCd batteries provide the maximum number of charge/discharge cycles and are best suited for temperature extremes. NiMH batteries provide more talk-time per shift and are less prone to memory effect. Li-ion batteries offer the best power-to-weight ratio of all chemistries, with no memory effect.

NTN4596DR

Batteries

PREMIUM NICKEL CADMIUM - NiCd

NTN4593DR	NiCd, 1100 mAh 7.5 Volt
NTN4595DR	NiCd, 1800 mAh 7.5 Volt
NTN4657AR	NiCd, 1100 mAh 7.5 Volt. CSA.
NTN4538DR	NiCd, 1100 mAh 7.5 Volt. Intrinsically Safe, Submersible.
NTN4596DR	NiCd, 1800 mAh 7.5 Volt. Intrinsically Safe, Submersible. Class I, II, III; Div I; Group D, F, G.
NTN4992CR	NiCd, 1800 mAh 7.5 Volt. Intrinsically Safe, Submersible. Class I, II, III; Div I; Group C, D, E, F, G.
NTN7058AR	NiCd, 1800 mAh 7.5 Volt. Intrinsically Safe, Submersible.

PREMIUM NICKEL METAL HYDRIDE - NiMH

NTN7014BR	NiMH, 1350 mAh 7.5 Volt
NTN8251AR	NiMH, 1650 mAh 7.5 Volt

PREMIUM LITHIUM ION - Li-ion

NTN8818A	Li-ion, 1700 mAh 7.5 Volt

NTN7058AR

IMPRES™ NiCd 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.

HNN9033B	NiCd, 2000 mAh 7.5 Volt
HNN9034B	NiCd, 2000 mAh 7.5 Volt. Intrinsically Safe.

NTN8251AR

essential power...

Single-Unit, Rapid-Rate, Universal Chargers

These tri-chemistry chargers support Nickel Cadmium, Nickel Metal Hydride and Lithium-ion batteries. They will rapid charge most batteries to 90% capacity in one to two hours and employ trickle and maintenance modes that ensure batteries are safely charged to full-capacity.

NTN1667A   Universal Charger, 110 Volt, US Plug
NTN1668B   Universal Charger, 220 Volt, Euro Plug
RPX4749B   Universal Charger Base with Transformer, 230 Volt, UK Plug

NTN1667A

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 in 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.

WPPN4002BR   Base Charge Unit, 110 Volt AC. Adapter plates sold separately.
WPPN4006AR   Base Charge Unit, 220 Volt AC. Adapter plates sold separately.
WPPN4001BR   Adapter Plate Only, 7 Volt
WPLN4096BR   Charger Kit 110 Volt AC, includes Single-Unit base and 7 Volt adapter plate.
WPLN4097BR   Charger Kit, 220 Volt AC, includes Single-Unit base and 7 Volt adapter plate.
WPPN4065BR   Multi-Unit Conditioning Charger, 4-Station Base, 110 Volt.
                Adapter plates sold separately.

WPPN4065BR

Vehicular Mounting

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 with 3 AH In-line fuse.

Vehicular Power Adapter

3080384G15   Vehicular Power Adapter

RLN4814A

Vehicular Adapter Charging Console

AVA/SVA console kits allow use of the portable radio in a mobile application. Antennas sold separately.

NTN7227E   AVA/SVA Charging Console.
                Includes illuminated front control panel,
                radio charger, latching mechanism with
                lock and power cables.
NSN6054A   12-Watt External Speaker
                Ideal for high-noise environments, it allows
                speaker audio to be adjusted from console control panel.
HMN1056D   Microphone, Compact Palm
HMN1035C   Microphone, Heavy-duty Palm
NMN6150A   Microphone with Full-featured Display
                For use with all SABER Models except StartSite SABER SST/ATS.

WPPN4002BR
Single-Unit Base Charger and power supply shown with optional Vehicular Power Adapter 3080384G15.

chargers

WPLN4111AR

WPLN4130A

Display Readout

RLN5382A

IMPRES™ Smart Energy Systems

Through the use of its advanced charging algorithm 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 including SABER, XTS and HT 1000 Series portables.

IMPRES™ Single-Unit Chargers

WPLN4111AR	IMPRES Single-Unit Charger, 110 Volt, US Plug
WPLN4112AR	IMPRES Single-Unit Charger, 220 Volt, Euro Plug
WPLN4113AR	IMPRES Single-Unit Charger, 240 Volt, UK Plug
5889254E01	Battery Adapter. Required for NTN4538DR, NTN4593DR, NTN7014BR and NTN8818A batteries.

IMPRES™ Multi-Unit Chargers

WPLN4108BR	IMPRES Multi-Unit Charger, 110 Volt, US Plug
WPLN4109BR	IMPRES Multi-Unit Charger, 220 Volt, Euro Plug
WPLN4110BR	IMPRES Multi-Unit Charger, 240 Volt, UK Plug
4385922B01	Battery Adapter. Required for NTN4538DR, NTN4593DR, NTN7014BR and NTN8818A batteries.
NLN7967A	Wall Mount for Multi-Unit Chargers

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, percent rated capacity and battery voltage. Readout displays battery kit number, serial number and chemistry and the time remaining to complete the charge for NiCd and NiMH batteries. It also forecasts the number of cycles to next reconditioning and more.

WPLN4130A	IMPRES Multi-Unit Charger with Display Modules, 110 Volt, US Plug
WPLN4131A	IMPRES Multi-Unit Charger with Display Modules, 220 Volt, Euro Plug
WPLN4132A	IMPRES Multi-Unit Charger with Display Modules, 240 Volt, UK Plug
4385922B01	Battery Adapter. Required for NTN4538DR, NTN4593DR, NTN7014BR and NTN8818A batteries.
NLN7967A	Wall Mount for Multi-Unit Charger

IMPRES™ Individual Charger Display Module

This module is compatible with the standard IMPRES™ Multi-Unit Charger WPLN4108BR, WPLN4109BR and WPLN4110BR. 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.

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.
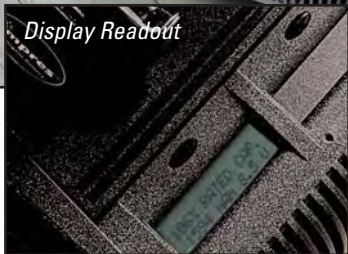
IMPRES™ CD

This CD provides an interactive guide to the IMPRES Charging System. It outlines the benefits and gives examples of application usage.
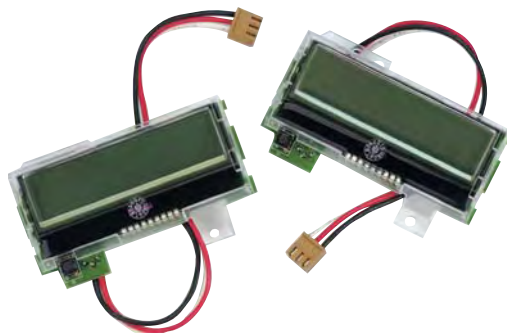
0180305J70	IMPRES CD

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 battery chemistries (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* offers a 3-year warranty and includes serial printer* port (RS-232).

WPLN4079BR   6-Station BMS*PLUS*, 110 Volt AC, 50/60 Hz, US Plug
WPLN4080BR   6-Station BMS*PLUS*, 230 Volt AC, 50/60 Hz, Euro Plug
WPLN4081BR   6-Station BMS*PLUS*, 230 Volt AC, 50/60 Hz, UK Plug
WPPN4085AR   BMS*PLUS* Li-ion Field Upgrade Kit
                      Upgrades WPLN4079AR, WPLN4080AR, WPLN4081AR.
                      Allows units to support Li-ion batteries.
NDN4005B   3-Station BMS, 110 Volt AC, 50/60 Hz
                      Does not support Li-ion or 3-cell batteries.
NDN4006B   3-Station BMS, 230 Volt AC, 50/60 Hz
                      Does not support Li-ion or 3-cell batteries.

*Compatible with the STAR Micronics SP200 series printers and other printers with STAR printer emulation. STAR Micronics printers are available through STAR Micronics distributors.

WPLN4079BR

Battery Maintenance System*PLUS* (BMS*PLUS*) Adapters

TDN9450A   NiCd Adapter, 7.5 Volt
TDN9434A   NiCd Adapter, 7.5 Volt. For use with NTN7058AR (SABER R).
WPPN4087AR   NiCd and NiMH Adapter, 7.5 Volt
WPPN4091AR   Li-ion Adapter. Compatible with Li-ion batteries only.

NDN4005B

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.

WPLN4124AR   BOS II, 4-Station, 90-264 Volt AC, US Plug
                      Adapter Plates Required.
WPLN4125AR   BOS II, 4-Station, 90-264 Volt AC, Euro/UK Plug
                      Adapter Plates Required.
RL71203   BOS II Ruggedized Battery Adapter
RL72703   BOS II Standard Battery Adapter
                      For use with NTN7058AR (SABER-R).

WPN4124AR

- Quicktest™ diagnostic feature measures a battery's state of health in approximately 2 to 5 minutes

- Supports NiCd, NiMH, Li-ion and SLA batteries

- Increased power-programmable from 100mAh to 4 Amps per station

- Programmable adapters allow customization of maintenance routines

- Proprietary reduction cycle restores NiCd and NiMH batteries

- Printer output for reports and labels with computer interface (Includes both 9-pin serial and 25-pin parallel ports)

- 100-Watt Universal Power Supply (110-240 VAC) provides up to 4 amps of power per station

- Interchangeable adapter plates accommodate nearly all Motorola two-way batteries and other major brands

antennas

Antenna Characteristics

Heliflex antennas are

engineered for maximum

output and coverage.

Stubby antennas are

non-obtrusive, ideal for

wearing the radio

on a belt.

Whip antennas are

one-piece with

a steel core for

optimal radiation.

Heliflex Antennas

Motorola Heliflex antennas are specifically engineered for maximum output and the greatest communication coverage.

VHF BAND ANTENNAS

8505644V01	Helical Antenna, 136-150.8 MHz
8505644V02	Helical Antenna, 150-162 MHz
8505644V03	Helical Antenna, 162-174 MHz
8505518V01	Helical Antenna, 136-174 MHz

8505644V03

8505644V01

UHF BAND ANTENNAS

8505644V04	Helical Antenna, 403-433 MHz
8505644V05	Helical Antenna, 435-470 MHz
8505644V06	Helical Antenna, 470-520 MHz
8505241U05	Flexible Whip Antenna, 403-520 MHz

8505644V04

8505241U06

800 MHz BAND ANTENNAS

8505241U03	Flexible Whip Antenna, 806-870 MHz
NAF4000B	Dipole Antenna, 806-870 MHz
8505241U06	Stubby Quarterwave Antenna, 806-870 MHz

SPECTRA mobiles

Customer Service

One day you're in the field. The next day has you behind a desk. Control Station Accessories make it easy to convert your radio for inside use.

Private Transportation

Maximizing passenger safety is a number one priority, and an Emergency Switch is a ready solution when an alarm or help message needs to be sent.

Delivery Fleets

Hear one number wrong, and an important package won't get where it's needed on time. An External Speaker can help make everything clear under noisy conditions.

Helping keep people away from potential dangers is a task made easier with Siren and Public Address Kit H1336B capabilities on board each vehicle.

MOTOROLA®

ORIGINAL

convenient operation in both digital and analog environments...

ASTRO® Digital SPECTRA™, ASTRO® Digital SPECTRA Plus™ and SPECTRA mobile radios offer

multiple modes of operation in a compact, space-saving footprint. All models support

Remote Control operation and accept FLASHport™ software upgrades so you can add features

as your communication needs evolve.

Microphones and Accessories

HMN1080A	Standard Palm Microphone
HMN1053B	DTMF Microphone
5084898K10	Noise-Cancelling Microphone
HMN1081A	Palm Microphone
	For use with Astro Digital Spectra W9 radio.
HLN1220B	Handset with Hang Up Box
HMN1079A	Water-Resistant Palm Microphone

HMN1081A

Siren and Public Address Kit

H1336B	Siren/Public Address Kit
	Provides controlled tones for hi/low, yelp and airhorn through supplemental housing.

Siren and Public Address Speakers

TDN6251A	Siren Speaker
	Round with Chrome Finish
TDN6252A	Siren Speaker
	Rectangular with Chrome Finish
TDN6253A	Siren Speaker
	Underhood with Grey Finish
TDN6254A	Siren Speaker
	Round with Grey Finish

HLN1220B

TDN6254A

TDN6253A

External Speaker

Provides audio for high ambient noise environments.

HSN4018B	External Speaker

HSN4018B
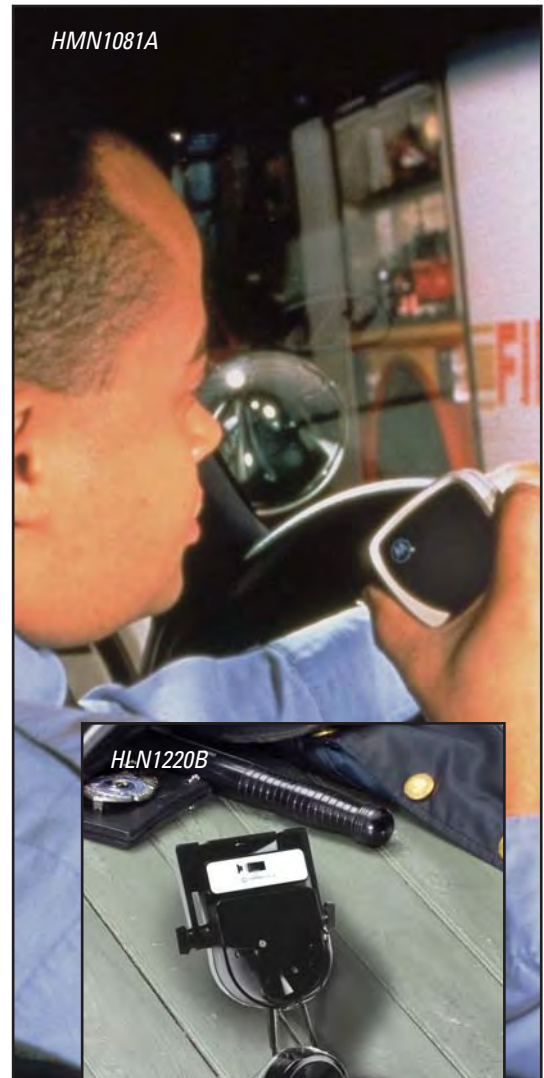
Control Station accessories make an ASTRO SPECTRA a desktop command center. From left to right are Control Station Power Supply HPN4007A, High Power Cable HKN4139A, Control Station Tray HLN6042A and Desktop Microphone HMN1050D.

HLN5113B

Control Station Accessories
HPN4007A	Control Station Power Supply, High Power
HKN4139A	Power Cable
HLN6042A	Control Station Tray
HMN1050D	Desktop Microphone

Emergency Foot Switch
Enables user to send an emergency message to a desktop console, where the signalling unit ID number is displayed and an alarm is sounded.
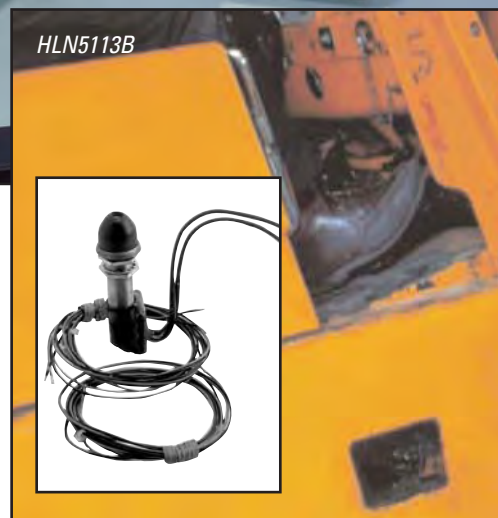
HLN5113B	Emergency Foot Switch

## Quick Release Side Mount and Accessories
RLN4074A	Quick Release Side Mount Kit
	Includes radio and vehicle mount, mounting hardware.
RLN4075A	Radio Mount with Hardware
RLN4076A	Vehicle Mount with Hardware
RLN4077A	Angle Bracket. Features 20 Degrees Fixed and 50 Degrees Swivel Angle.
RLN4078A	Flat Bracket with 50 Degrees Swivel Angle.

Miscellaneous Hardware
HLN6025A	Key Lock Mount
HLN6008A	Remote Mount Kit with 17-Foot Cable

The Emergency Foot Switch HLN5113B enables the user to send an emergency message to a desktop console.
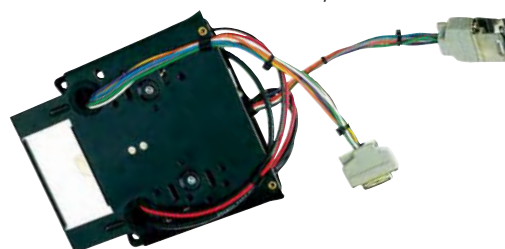
RLN4074A

antennas

A communication system is only as good as the mobile antennas used to transmit and receive — so whenever lives are on the line Motorola Original® accessories should be the go-to choice.

HAE4003A

Antennas

800 MHz

HAF4002A	806-900 MHz, 1/4 Wave Roof Mount Antenna
RRA4983A	806-900 MHz, 3dB, Roof Mount Antenna

900 MHz

RRA4935A	890-960 MHz, 3dB Roof Mount Antenna with 14 ft. Cable
RAF4003ARM	890-960 MHz, 3dB Roof Mount Antenna with 22 ft. Low Loss Cable

VHF

HAD4006A	136-144 MHz, 1/4 Wave, Roof Mount Antenna
HAD4007A	144-152 MHz, 1/4 Wave, Roof Mount Antenna
HAD4008A	150.8-162 MHz, 1/4 Wave, Roof Mount Antenna
HAD4009A	162-174 MHz, 1/4 Wave, Roof Mount Antenna
RAD4010ARB	136-174 MHz, 3dB, Roof Mount Antenna

UHF

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
HAE4010A	406-420 MHz, 3.5dB, Roof Mount Antenna
HAE4011A	450-470 MHz, 3.5dB, Roof Mount Antenna
HAE4012A	470-495 MHz, 3.5dB, Roof Mount Antenna
HAE4013A	494-512 MHz, 3.5dB, Roof Mount Antenna
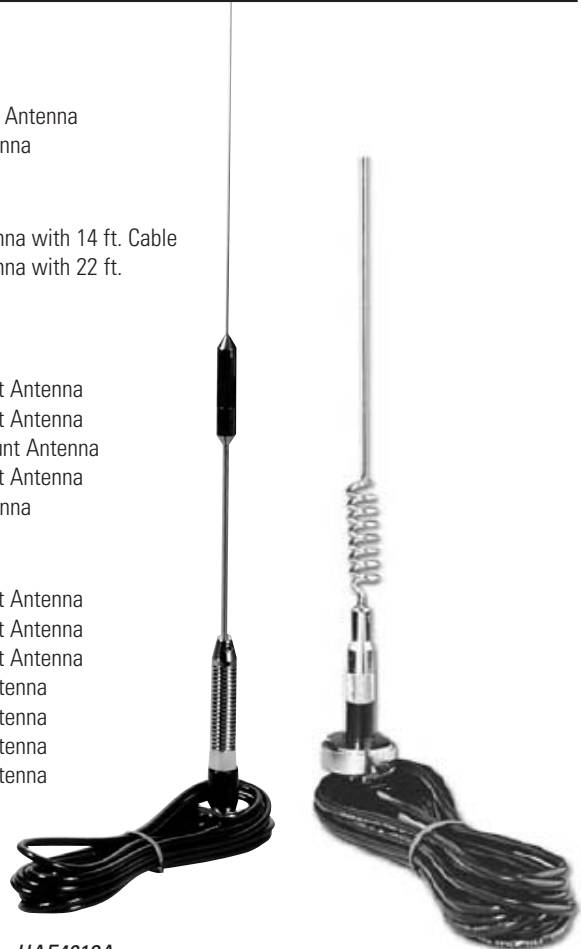
HAE4013A

RRA4935A

RRA4935A

RAD4010ARB

Low Profile Antennas

UHF

RAE4162A	White 410-430 MHz, 3dB Gain Antenna
RAE4163A	Black 410-430 MHz, 3dB Gain Antenna
RAE4164A	Black 430-450 MHz, 3dB Gain Antenna
RAE4165A	White 430-450 MHz, 3dB Gain Antenna
RAE4166A	Black 470-490 MHz, 3dB Gain Antenna
RAE4167A	White 450-470 MHz, 3dB Gain Antenna
RAE4168A	Black 450-470 MHz, 3dB Gain Antenna
RAE4169A	White 470-490 MHz, 3dB Gain Antenna

VHF

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

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

RAF4220A

Low Profile Antennas Kits

Includes 3/4 Brass Mount and 17-foot RG58U Solid Center Conductor Cable.

UHF

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

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

800 MHz

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

Antenna Mounts

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
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
3080384M48	3/4 Roof Mount
	With 17 ft. of RG58A/U Cable, Mini-UHF Crimp

3080384M48

Public Safety

Keeping people away from potential dangers is a task made easier with Siren and Public Address capabilities on board each vehicle.

Customer Service

One day you're in the field. The next day has you behind a desk. Control Station Accessories make it easy to convert your radio for inside use.

Private Transportation

Maximizing passenger safety is a number one priority, and an Emergency Switch is a ready solution when an alarm or help message needs to be sent.

Delivery Fleets

Hear one number wrong, and an important package won't get where it's needed on time. An External Speaker can help make everything clear under noisy conditions.

multiple frequencies aid operation in congested urban areas...

XTL™ 5000 (ASTRO® Control Heads) mobile radios can deliver optimum 512 channel operation in VHF, UHF and

700/800 MHz bands. That's why they're so often the radio of choice under crowded conditions and wider country

regions alike. All models are capable of integrated voice and data service and accept FLASHport™ software

upgrades so you can add features as your communication needs evolve.

audio and control station

TDN6254A

Microphones and Accessories

HMN1081A   Palm Microphone
                  For use with W9 Radio.
HMN1079A   Water-Resistant Palm Microphone
HMN1080A   Standard Palm Microphone

Speakers for Siren and Public Address Kits

TDN6251A   Siren Speaker
                  Round with Chrome Finish
TDN6252A   Siren Speaker
                  Rectangular with Chrome Finish
TDN6253A   Siren Speaker
                  Underhood with Grey Finish
TDN6254A   Siren Speaker
                  Round with Grey Finish

TDN6254A

TDN6253A

Sirens/ DEK

H1336B   Mobile Siren/PA (Includes DEK)
H1500B   Siren PA (Does not include DEK)
H1338A   8 Status/Message
                  Message buttons included,
                  only applicable for Systems
                  3.X and Earlier.

External Speaker

Provides audio for high ambient noise environments.

HSN4018B   External Speaker

HSN4018B

MOTOROLA ®
ORIGINAL

Control Station accessories make the XTL 5000 (ASTRO Control Heads) mobile a desktop command center. From left to right are Desktop Microphone HMN1050D, Control Station Power Supply HPN4007A, High Power Cable HKN4139A and Control Station Tray HLN6042A.

HLN5113B

Control Station Accessories
HMN1050D	Desktop Microphone. For Control Station Operation.
HPN4007A	Control Station Power Supply, High Power
HKN4139A	Power Cable
HLN6042A	Control Station Tray

Emergency Foot Switch
Enables the user to send an emergency message to a desktop console, where the signalling unit ID number is displayed and an alarm is sounded.

HLN5113B   Emergency Foot Switch

Miscellaneous Hardware
HLN6025A	Key Lock Mount
HLN6008A	Remote Mount Kit with 17-Foot Cable

HLN6025A

The Emergency Foot Switch HLN5113B enables the user to send an emergency message to a desk-top console.

antennas

A communication

system is only

as good as

the mobile antennas

used to transmit

and receive —

so whenever

lives are on the line

Motorola Original®

accessories

should be the

go-to choice.

Adapter Cables

These adapter cables allow mobile radio users to convert existing ASTRO Digital SPECTRA and ASTRO Digital SPECTRA Plus accessory cables for use with the XTL 5000 (ASTRO Control Heads).

HKN6158A	Audio Cable Adapter
HKN6159A	Adapter Cable Data

Power Cables

HKN4191B	10-Foot Low-Mid Power Cable
HKN4192B	20-Foot Low-Mid Power Cable

Remote Mount Cables

YKN4261A	10-Foot Front Control Head Cable
YKN4246A	30-Foot Front Control Head Cable
YKN4248A	50-Foot Front Control Head Cable
YKN4249A	75-Foot Front Control Head Cable
YKN4255A	115-Foot Front Control Head Cable
YKN4256A	150-Foot Front Control Head Cable

Remote Mount Kits

H1803A	Remote to Dash Mounting Kit
H1804A	Dash to Remote Mounting Kit
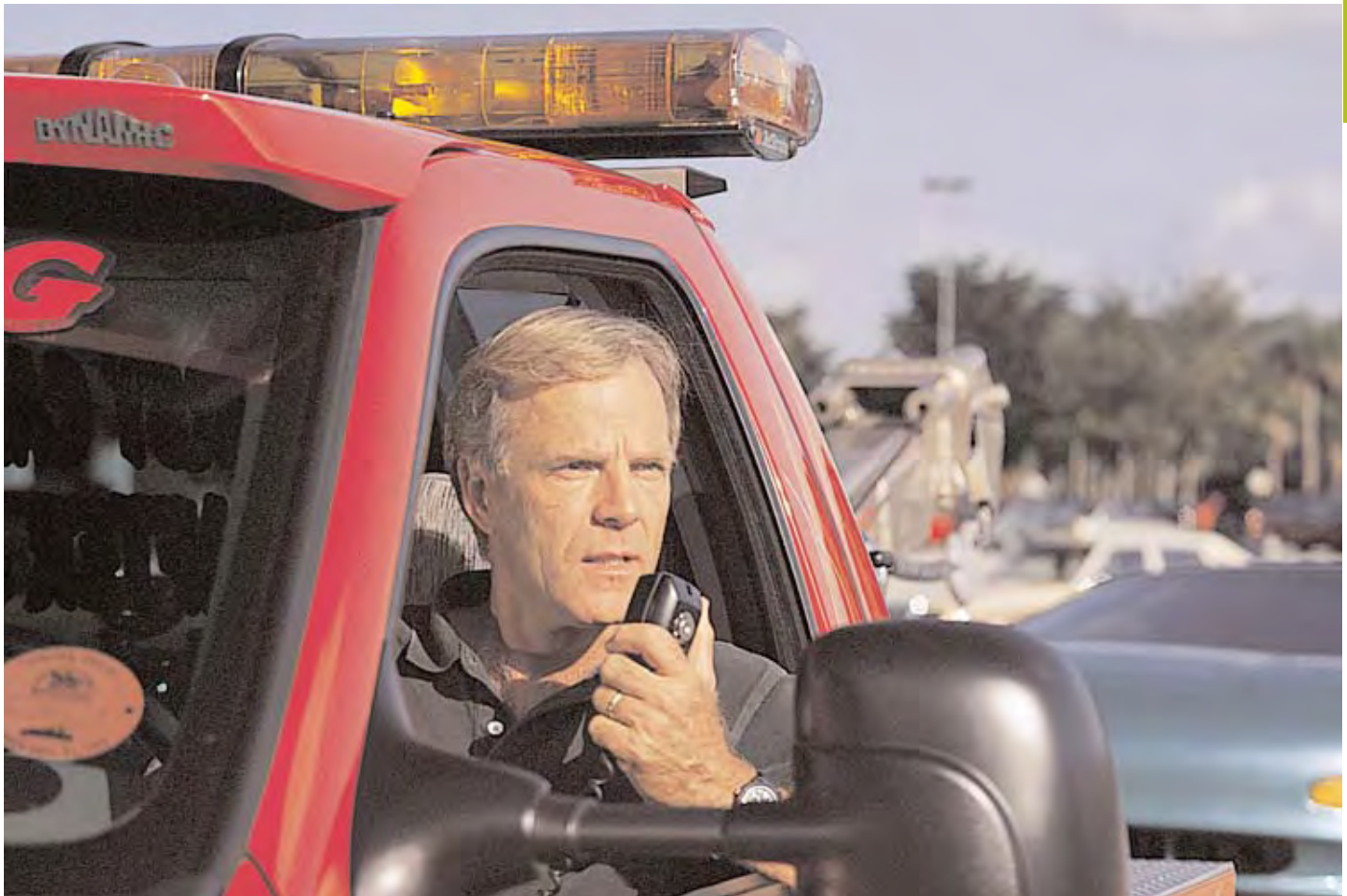
MOTOROLA
ORIGINAL

Antennas

VHF

HAD4006A	136-144 MHz 1/4 Wave Roof Mount Antenna
HAD5007A	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

UHF

HAE6012A	380-420 MHz 1/4 Wave Roof Mount Antenna
HAE4003A	450-470 MHz 1/4 Wave Roof Mount Antenna
HAE6010A	380-420 MHz 3.5dB Gain Roof Mount Antenna
HAE4012A	450-470 MHz 3.5dB Gain Roof Mount Antenna
HAE6011A	380-420 MHz 5.0dB Gain Roof Mount Antenna
RAE4014A	450-470 MHz 5.0dB Gain Roof Mount Antenna
HAE6013A	380-470 MHz Wideband 700/800 MHz Antenna

700/800 MHz

HAF4013A	762-870 MHz 3dB Gain Low Profile Antenna
HAF4014A	762-870 MHz 3dB Gain Elevated Feed Antenna
HAF4015A	762-870 MHz 3dB Gain Motorcycle Antenna
HAF4016A	762-870 MHz 1/4 Wave Roof Mount Antenna
HAF4017A	762-870 MHz 3dB Gain Collinear Roof Mount Antenna
HAF4018A	762-870 MHz Low Profile Motorcycle Antenna

HAD4006A

HAE4003A

29

Call us and order today...

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