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

PORTABLES

ASTRO® Digital XTS 3000™/3500™/5000™

ASTRO® Digital XTS 1500™/2500™

MT 1500™

PR1500

MOBILES

XTL™ 1500

XTL™ 2500

XTL™ 5000 05

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 exceptional quality and 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 antenna or a cut-rate microphone, 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 demanding mobile communication needs. You'll find external speakers designed for high noise environments. Both palm and desk top microphones that deliver enhanced performance. Sirens that come through loud and clear in emergencies. Antennas for virtually any vehicle application and more. They're all ready to help you work smarter, harder and with greater confidence.

table of contents...

Whether in hot pursuit or investigating a cold case, communication can be made much easier with a CommPort™ Integrated Microphone/Receiver System.

How the Book is Organized

Motorola Quality

Table of Contents 1

Portable Radios

ASTRO Digital XTS 3000™/3500™/5000™ 2-21

ASTRO Digital XTS 1500™/2500™. 22-39

MT 1500™ 22-39

PR1500 22-39

Mobile Radios

XTL™ 1500/2500/5000 05 40-45

ASTRO® XTS 3000/3500/5000 portables

Police

Whether in hot pursuit or investigating a cold case, communication can be made much easier with a CommPort™ Integrated Microphone/Receiver System.

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 need to reach for the radio controls.

RMN5021A Commander™ Series Remote Speaker Microphone is the perfect choice for Mission Critical environments.

precision controlled signalling and priority scanning capability...

ASTRO® Digital XTS 3000™/XTS 3500™/XTS 5000™ radios provide exceptional power in a comfortable, ergonomic design. All models feature precision-controlled signaling, priority scanning capabilities and X-Pand™ Audio Enhancement. And it's easy to reprogram each radio as your communication needs change.

Discreet Communication

An earphone jack located on the microphone head allows the user to receive discreet audio when used with the earpieces shown here. Compatible with the Commander™ Remote Speaker Microphone and Remote Speaker Microphone with Emergency Button on page 5.

GPS Remote Speaker Microphone

The Global Positioning System (GPS) Remote Speaker Microphone allows ASTRO® Digital XTS 5000™ portable two-way radio users in outdoor locations to be automatically tracked by satellite throughout North America. For optimal GPS coverage, a clear view of sky with no obstructions is required. GPS operation may be limited in buildings, tunnels, parking garages and areas with heavy tree coverage.

HMN4080A†	GPS Remote Speaker Microphone

† Compatible only with the ASTRO® Digital XTS 5000™ portable two-way radio (Models I, II, III and Ruggedized) with a radio host code of R06.01.00 or later and Customer Programming Software (CPS) version R06.00.00 or later.

for tough conditions...

Remote Speaker Microphones (RSM)

These compact Remote Speaker Microphones are water-resistant and allow talking and listening without removing the radio from the belt or case. They have a 6-foot coiled cord assembly, 3.5mm earjack, swivel clip and quick disconnect latch.

NMN6193C*	Remote Speaker Microphone
NMN6191C*	Noise-Cancelling Remote Speaker Microphone
0104010J46	Replacement Coil Cord Assembly for Remote Speaker Microphone

Remote Speaker Microphones - CommanderTM Series

The Commander™ Remote Speaker Microphone features an emergency button, volume control,16-channel select knob with tactile feedback, 2 programmable buttons and a receive-only 3.5mm earphone jack (not included in submersible model). Ideal for firefighters, police and other professionals who frequently keep their XTS two-way radio inside a case or under clothing. These microphones have controls on the microphone head, allowing operational control from the microphone head.

RMN5021B*	Commander Remote Speaker Microphone
RMN5023C*	Fully Submersible Commander Remote Speaker Microphone For a completely submersible radio/microphone system use with XTS 3000R, XTS 3500R and XTS 5000R portable radios.

Remote Speaker Microphone with Emergency Button

The orange button on the microphone head can be used to signal that the operator needs help. This microphone offers high/low volume control and has a 3.5mm earjack on the microphone head. Emergency activation from the RSM is delayed until programmed Mandown Pre-alert and Post-alert delays elapse. Depending on radio model, factory defaults or previous programming could set the delay times for as long as 8 to 120 seconds.

RMN5038A*	Remote Speaker Microphone with Emergency Button

Remote Speaker Microphone Audio Accessories

The following earpieces are compatible with the Commander Remote Speaker Microphone RMN5021A and Remote Speaker Microphone with Emergency Button RMN5038A.

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

UHF Public Safety Microphones (PSM)

Public Safety Speaker Microphones include straight cord assembly, 3.5mm earjack, swivel clip, quick disconnect latch, antenna connector and receive audio high/low toggle switch. Use with radio's antenna, sold separately. All require RF adapter NTN8327B, sold separately.

NMN6247A*	Public Safety Microphone with 30 Inch Straight Cord
NMN6250A*	Public Safety Microphone with 24 Inch Straight Cord
NMN6251A*	Public Safety Microphone with 18 Inch Straight Cord
NTN8327B*	RF Adapter. Required for use with all Public Safety Microphones.

Mandown, Public Safety Tilt Switch

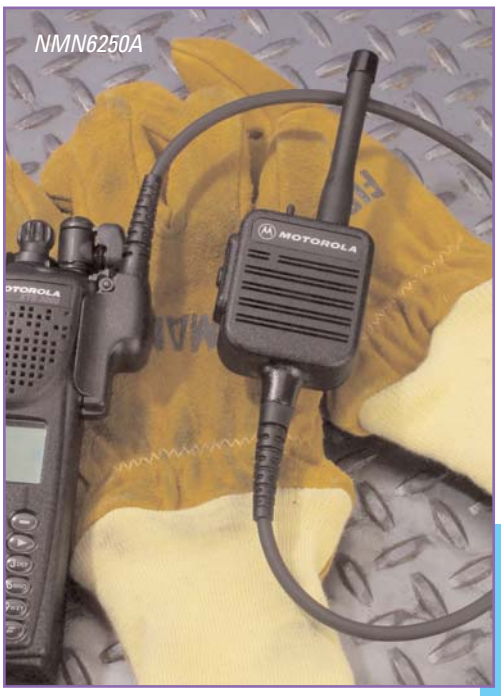
The Mandown, Public Safety Tilt Switch functions as an external emergency switch that is activated when the radio unit is tilted at an angle greater than 60 degrees. No other audio accessory can be attached to the radio while the tilt switch is attached. Radio must be programmed to enable the emergency tilt feature.

NTN7660C*	Mandown, Public Safety Tilt Switch

Epaulet Straps

Black leather Epaulet Strap secures Remote Speaker Microphone to epaulet on shirt or jacket and accommodates 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



*Intrinsically Safe

Surveillance Kits

Surveillance accessories allow the radio user to privately receive messages with the earpiece and are ideal when environments require discreet communication. The following surveillance accessories require the 3.5mm threaded adapter jack BDN6676D that attaches to the radio, unless being used with speaker microphone.

1-WIRE SURVEILLANCE KITS

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

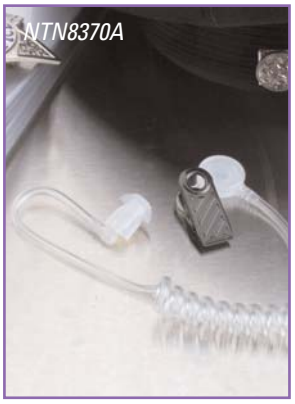
2-WIRE SURVEILLANCE KITS

BDN6667A*	Earpiece with Microphone and Push-to-Talk Combined (2-Wire). Beige.
BDN6669A*†	Extra Loud Earpiece with Microphone and Push-to-Talk Combined (2-Wire). Beige.
BDN6729A*	Earpiece with Microphone and Push-to-Talk Combined (2-Wire). Black.
BDN6731A*†	Extra Loud Earpiece with Microphone and Push-to-Talk Combined (2-Wire). Black.

3-WIRE SURVEILLANCE KITS

BDN6668A*	Earpiece with Microphone and Push-to-Talk Separate (3-Wire). 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

NTN8371A


NTN8370A

BDN6676D

Surveillance Kits - With Extended-Wear Comfort Earpiece

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

RLN5314A	Comfort Earpiece, Receive-Only. Beige.
RLN5313A	Comfort Earpiece, Receive-Only. Black.
RLN5311A	Earpiece w/Microphone and PTT Combined (2-Wire). Beige.
RLN5312A	Earpiece w/Microphone and PTT Combined (2-Wire). Black.

RLN5311A

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. Noise reduction = 24dB. Can be used with Clear Comfortable Earpieces, sold separately.
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.

RLN5313A

SURVEILLANCE REPLACEMENT ACCESSORIES

BDN6676D*	3.5mm Jack Adapter with Quick Disconnect Latch
5080384F72	Replacement Foam Plugs. Pack of 50 For use with NTN8370A. Noise reduction rating = 24dB.
5080370E97	Replacement Standard Rubber Eartips, Clear. Pack of 25. For use with NTN8371A.

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)

discreet communication...

Completely Discreet Wireless Earpiece Kit

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

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

The Completely Discreet Earpiece is easy to use, just remove the earpiece from any standard 2 or 3-Wire 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!

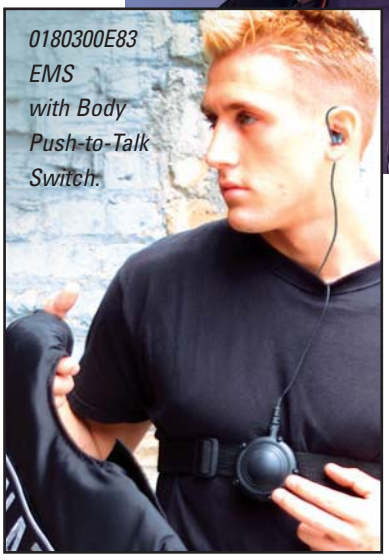
Ear Microphone Systems (EMS)

This compact, lightweight unit picks up sound through bone vibrations in the ear canal. The miniature earpiece leaves the hands-free and face unobscured, good for 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 clarity of sound. It's ideal for high-noise environments. Available in PTT or Voice-Activated (VOX). Interface Module is required and 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 p 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.
0180305J46	Training CD-ROM For Ear Microphone System and Temple Transducer.



0180300E25

*Intrinsically Safe

audio

Take advantage of these high-quality Motorola Original® audio accessories that offer clear reception, lightweight convenience and all-day comfort.

CommPort: Integrated Microphone/Receiver System

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

NTN1624A*	Integrated Ear Microphone/Receiver System with Palm PTT Includes 3.5mm adapter BDN6676D.
NTN1625A*	Integrated Ear Microphone/Receiver System with PTT on Radio Adapter Includes 3.5mm adapter BDN6676D.
NTN1663A*	Integrated Ear Microphone/Receiver System with Ring PTT Includes 3.5mm adapter BDN6676D.
NTN1736A*	Integrated Ear Microphone/Receiver System with Snap-On-Side PTT Includes 3.5mm adapter BDN6676D.
NNTN4186A*	Integrated Ear Microphone/Receiver System with Body PTT Includes 3.5mm adapter BDN6676D.

OPTIONAL ACCESSORIES FOR COMMPORT

NKN6510A	Replacement Palm PTT Cable for NTN1624A
NKN6512A	Replacement Ring PTT Cable for NTN1663A
NKN6525A	Replacement Snap-On-Side PTT Cable for NTN1736A
NNTN4188A	Replacement Remote PTT Body Switch for NNTN4186A
NKN6508A	Replacement Cable for NTN1625A
NTN8819B*	Ear Microphone Assembly
NTN8821A	CommPort Maintenance Kit. Includes 10 replacement ear tubes, 10 microphone seal strips and 2 windscreens.
NTN8986A	Adhesive Pads. For secure attachment to ear. Pack of 90.
NTN8988A	Ear Straps. For secure attachment to ear. Pack of 10.
RLN5037A	Replacement Ear Tubes. Pack of 10.
4285838B01	Replacement Collar Clip
4202006A01	Replacement Back Cover Clip
BDN6676D	3.5mm Jack Adapter with Quick Disconnect Latch

*Intrinsically Safe

mission critical essentials...

Flexible Ear Receiver

This receive-only earpiece contains a flexible earloop and speaker which rests external to the ear. Black, without volume control. It plugs directly into adapter BDN6676D or the earjack on speaker microphones.

BDN6719A	Flexible Ear Receiver with 3.5mm Threaded Plug Adapter BDN6676D required if not used with speaker microphones.
BDN6676D	3.5mm Jack Adapter with Quick Disconnect Latch
7580372E11	Replacement Foam Ear Cushion for BDN6717B.

Pellet-Style Earpieces

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

BDN6780A*	Earbud with Microphone and Push-to-Talk. Requires adapter BDN6676D.
BDN6781A*	Earbud, receive-only. Requires adapter BDN6676D unless being used with a speaker or microphone.
BDN6676D*	3.5mm Jack Adapter with Quick Disconnect Latch
7580372E70	Replacement Foam Cushion for Pellet Earpieces

BDN6780A

Temple Transducer

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. The sound vibration is transmitted through the surrounding human tissue and bone directly into the inner ear where it is received by the user. It features an In-line PTT and noise-cancelling boom microphone.The Temple Transducer enhances communication and safety by not impairing the user's hearing of the external sound environment, such as machinery and equipment, warning and fire alarms, the intercom, traffic and even casual conversations with co-workers.

RMN4049A*	Temple Transducer
0180305J46	Training CD-ROM. For Ear Microphone System and Temple Transducer.

Rugged Temple Transducer

The Rugged Temple Transducer comes equipped with all the features of the basic model. It sports a bigger Push-to-Talk button and a larger noise-cancelling boom microphone. It is fully adjustable for different head sizes, making it comfortable for extended-wear. Over-the-head band allows users to wear helmets, hardhats and other head gear – and it really stays in place. Water-resistant boom microphone is ideal for use in blowing rain and the secure cap on PTT prevents accidental activation in mission critical situations.

RMN5049A*	Rugged Temple Transducer

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audio

The same winning quality and dependability you see at professional football stadiums and motor speedways can be yours with Motorola Original® accessories.

Racing Headset

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

RMN5015A	Racing Headset with Noise-Cancelling Swivel Boom Microphone Behind-the-Head style. Noise reduction rating = 24dB
BDN6673B	Adapter Cable for RMN5015A

Receive-Only Headsets

Receive-Only Headsets are the right choice for high-noise environments where users must hear information clearly, but seldom need to transmit. Dual-Muff headsets feature easily replaceable earseals filled with a liquid and foam combination to provide excellent protection from outside noise as well as comfort. These are for use with Remote and Public Safety Speaker Microphones with a 3.5mm threaded jack. They can also be plugged directly into the radio when used with BDN6676D.

RMN4056B	Receive-Only Dual-Muff Headband Style Headset. For use with with 3.5mm threaded jack. Can be plugged directly into radio with 3.5mm adapter BDN6676D. Noise reduction = 24dB.
RMN4057B	Receive-Only, Dual-Muff, Hardhat Headset. Mounts easily to hard hats with slots. For use with remote and public safety microphones with 3.5mm threaded jack. Can be plugged directly into radio with 3.5mm adapter BDN6676D.
BDN6676D	3.5mm Jack Adapter with Quick Disconnect Latch

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. Audio adapter BDN6676D required.

NMN6245A	Single-Muff Lightweight Headset with In-Line PTT Switch Requires audio adapter BDN6676D.
NMN6246B	Ultra-Light Headset with Boom Microphone, In-Line PTT Switch Earbud style receiver. Requires audio adapter BDN6676D.
NMN1020A	Lightweight Headset with Boom Microphone. Can be worn with helmet or safety glasses. Includes adapter cable NKN6498A. Requires audio adapter BDN6676D.
NKN6498A	Headset Adapter Cable. For use with NMN1020A
BDN6676D	3.5mm Jack Adapter with Quick Disconnect Latch

clearly understood...

RMN4053A

Noise-Cancelling Headsets with Boom Microphone

Ideal for two-way communication in extremely noise environments. Dual-Muff, tactical headsets include 2 microphones on outside of earcups which reproduce ambient sound back into headset. Harmful sounds are suppressed to safe levels and low sounds are amplified up to 5 times original level, but never more than 82dB. Has on/off volume control on earcups. Easily replaceable ear seals are filled with a liquid and foam combination to provide excellent sealing and comfort. 3-foot coiled cord assembly included. Adapter Cable RKN4095A required. Hardhat not included.

RMN4052A	Tactical Headband Style Headset. Grey, Noise reduction = 24dB.
RMN4053A	Tactical Hardhat Mount Headset. Grey, Noise reduction = 22dB.
RKN4095A	Adapter Cable with In-Line Push-to-Talk For use with RMN4052A/RMN4053A.
RKN4095A	In-Line PTT Adapter Cable. For use with RMN4051B/RMN4052A/RMN4053A.

REPLACEMENT EARSEALS

RLN4923B	Replacement Earseals for RMN4051B/RMN4052A/RMN4053A Includes 2 snap-in earseals.

RMN4051B

Hardhat Mount Headset With Noise-Cancelling Boom Microphone

Ideal for two-way communication in high-noise environments, this headset mounts easily to hardhats with slots, or can be worn alone. Easily replaceable ear seals are filled with a liquid and foam combination to provide excellent sealing and comfort. 3-foot coiled cord assembly included. Noise reduction of 22dB. Intrinsically Safe (FM). Separate In-line PTT Adapter Cable RKN4095A required. Hardhat not included.

RMN4051B	Two-way, Hardhat Mount Headset w/Noise-Cancelling Boom Microphone. Black.
RKN4094A	Adapter Cable with In-Line Push-to-Talk. For use with RMN4051B.
RKN4095A	In-Line PTT Adapter Cable. For use with RMN4051B/RMN4052A/RMN4053A.

Medium Weight Headsets

Medium weight headsets offer high-clarity sound, with the additional hearing protection necessary to provide consistent, clear, two-way radio communication in harsh, noisy environments or situations.

NMN6258A*	Medium Weight, Dual-Muff, Over-the-Head Style Headset with In-line PTT Noise reduction rating = 24dB.
NMN6259A*	Medium Weight, Dual-Muff, Behind-the-Head Style Headset Can be worn with hardhat. Noise reduction rating = 24dB.

BDN6645A

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. Headsets are for use in noise levels up to 125dB. Heavy-duty headsets require radio adapter cable BDN6673B, sold separately.

BDN6645A*	Push-to-Talk Headset with Boom Microphone Requires adapter cable BDN6673B. Noise reduction rating = 24dB.
BDN6635B	Voice-Activated (VOX) Headset with Boom Microphone Requires adapter cable BDN6673B. Noise reduction rating = 24dB.
BDN6636B*	Voice-Activated (VOX) Headset with Throat Microphone Requires adapter cable BDN6673B. Noise reduction rating = 24dB.
BDN6673B*	Radio Adapter Cable

*Intrinsically Safe

carrying accessories

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

Leather and Nylon 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. Leather cases are constructed of top grain, 8 ounce leather and all stainless steel hardware, Motorola carry cases were developed to meet the demands of public safety and other users who operate in the most rigorous of environments.

MODEL I RADIOS ONLY

NTN8387A	Leather Carry Case with Belt Loop, D-rings and T-strap
NTN8385B	High-Activity Swivel Leather Case Features 2.5 Inch swivel belt loop,D-rings and T-strap.
NTN8386B	High-Activity Swivel Leather Case Features 3 Inch swivel belt loop, D-rings and T-strap.
NTN8725A	High-Activity Nylon Case with Belt Loop and T-strap

MODEL II & III RADIOS ONLY

NTN8382B	Leather Case with Belt Loop, D-rings and T-strap
NTN8380C	High-Activity Swivel Leather Case Features 2.5 Inch swivel belt loop, D-rings and T-strap.
NTN8381C	High-Activity Swivel Leather Case Features 3 Inch swivel belt loop, D-rings and T-strap.
NTN8725A	High-Activity Nylon Case with Belt Loop and T-strap
NTN9184A	Leather Case with Belt Loop. For Clamshell Battery.

Carrying Accessories

T-STRAPS

NTN8383A	Leather T-strap, Plain Action Snap
NTN8384A	Leather T-strap, Hard Action Snap Provides additional strength at the snap.

HIGH-ACTIVITY BELT LOOPS

NTN8039B	2.5 Inch Leather Swivel Belt Loop
NTN8040B	3 Inch Leather Swivel Belt Loop

BELT CLIPS

NTN8266B	Standard Removable 2.25 Inch Belt Clip Attachment
NTN8460A	Public Safety 3 Inch Belt Clip Attachment

CARRYING STRAP

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

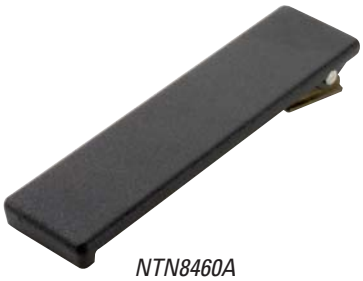
NTN8385B

NTN8380C

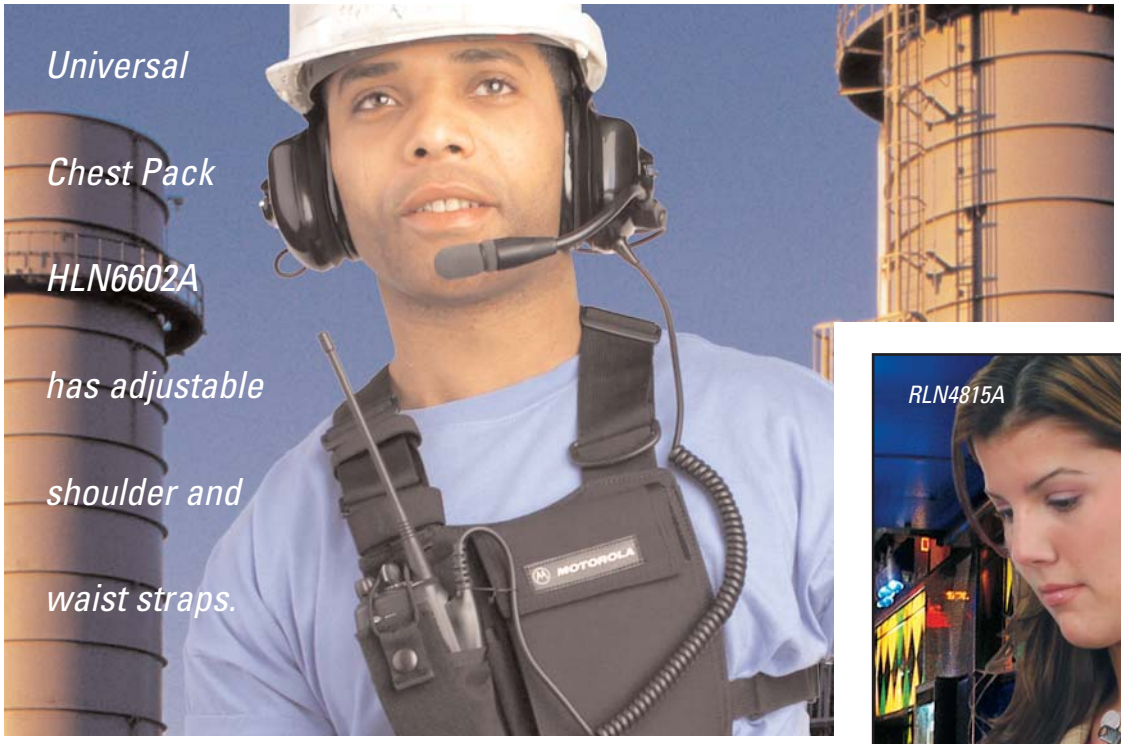
NTN8381C

NTN8039B

NTN8040B


NTN8460A

NTN5243A



Chest Pack

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

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

Break-A-Way Chest Pack

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

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

Universal RadioPAk™

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

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

Waterproof Bag

HLN9985B	Waterproof Bag with Large Strap

Portable Radio Hangers

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

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

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.

TDN9327A, TDN9373A

batteries and chargers

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.

Batteries

	PREMIUM NICKEL CADMIUM - NiCd
NTN8294BR	NiCd, 1525 mAh 7.5 Volt
NTN8295AR	NiCd, 1525 mAh 7.5 Volt. Intrinsically Safe.
NTN8297AR	NiCd, 1525 mAh 7.5 Volt. Intrinsically Safe, Ruggedized.
	PREMIUM NICKEL METAL HYDRIDE - NiMH
NTN8299BR	NiMH, 1700 mAh 7.5 Volt. Intrinsically Safe.
NTN8923AR	NiMH, 1800 mAh 7.5 Volt
RNN4006B	NiMH, 3500 mAh 7.5 Volt
RNN4007AR	NiMH, 3500 mAh 7.5 Volt. Intrinsically Safe.
	PREMIUM LITHIUM ION BATTERIES - Li-ion
NTN8610BR	Li-ion, 1650 mAh 7.2 Volt. Slim.
	PREMIUM ALKALINE BATTERY SHELLS
NTN9177A	Disposable Battery Shell–Black Twelve AA Alkaline batteries required, sold separately.
NTN9183A	Disposable Battery Shell–Orange Twelve AA Alkaline batteries required, sold separately.

NTN8299BR

IMPRES™ Batteries

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

HNN9031B	NiCd, 1525 mAh 7.5 Volt
HNN9032B	NiCd, 1525 mAh 7.5 Volt. Intrinsically Safe.
NNTN4435B	NiMH, 1800 mAh 7.5 Volt
NNTN4436B	NiMH, 1700 mAh 7.5 Volt. Intrinsically Safe.
NNTN4437B	NiMH, 1700 mAh 7.5 Volt. Intrinsically Safe, Ruggedized.
NTN9862B	Li-ion, 2750 mAh 7.2 Volt

IMPRES Batteries

essential power...

Single-Unit, Rapid-Rate, Universal Charger

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	Charger Base with Transformer, 230 Volt, UK Plug

NTN1667A

Motorola Conditioning Charger (MCC)

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

WPLN4086CR	Charger Kit, 110 Volt AC. Includes single-unit base and 7 Volt adapter plate.
WPLN4087CR	Charger Kit, 220 Volt AC. Includes single-unit base and 7 Volt adapter plate.
WPPN4002BR	110 Volt AC Single-Unit Base Charger Only Adapter plates sold separately.
WPPN4006AR	220 Volt AC Single-Unit Base Charger Only Adapter plates sold separately.
WPPN4021CR	7 Volt Adapter Plate
WPPN4065BR	Multi-Unit Conditioning Charger, 4-Station Base, 110 Volt. Adapter plates sold separately.

Motorola Conditioning Chargers are not compatible with NiMH batteries RNN4006B and RNN4007AR.

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 A In-line fuse.

RLN4814A

Vehicular Power Adapter

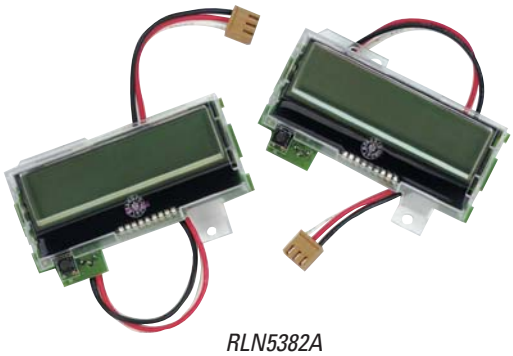
3080384G15	Vehicular Power Adapter

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

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.

WPLN4111AR



RLN5382A

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

essential power systems...

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.

Battery Maintenance System^{PLUS} (BMS^{PLUS}) Adapters

WPPN4019AR	Adapter. Compatible with NiCd batteries only.
WPPN4022AR	Adapter. Compatible with both NiCd and NiMH batteries.
WPPN4086AR	Adapter. Compatible with NiCd, NiMH and Li-ion batteries.

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.
RL75765	BOS II Battery Adapter. For use with ASTRO XTS 3000, XTS 3500, XTS 5000 radios.

- 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 100 mAh 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

vehicular chargers

Vehicular Travel Charger

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

RLN4884B	Vehicular Travel Charger
RLN5914A	Universal Mounting Bracket for RLN4884B. Includes screws and nylon strap cord.

RLN4884B

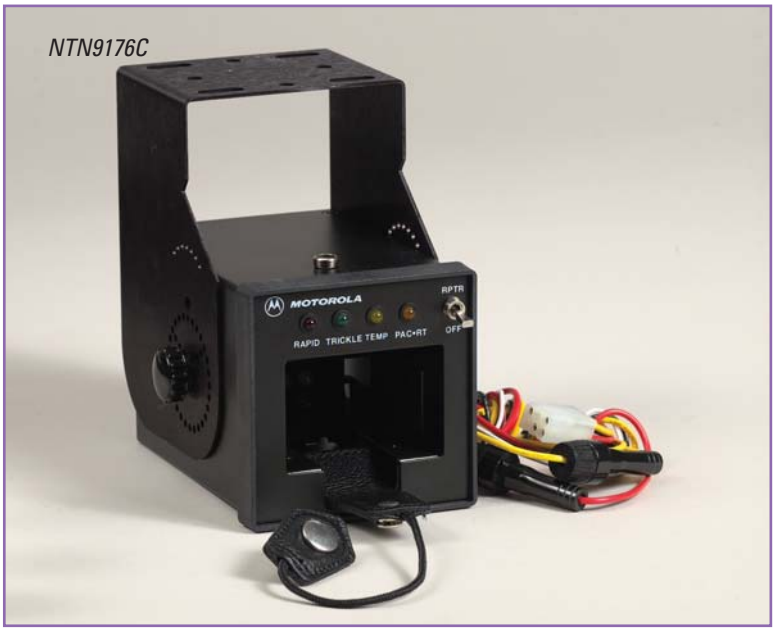
TRAVEL CHARGER TRANSFORMERS

2580600E05	Transformer, 120 Volt, US
2580600E06	Transformer, 230 Volt, European
2580600E07	Transformer, 230 Volt, UK
2580600E08	Transformer, 220 Volt, Argentina

Vehicular Charger

This vehicular charger is a 12 Volt DC unit that supports NiCd, NiMH and Li-ion batteries for XTS 3000, XTS 3500 and XTS 5000. A microprocessor senses the type of battery installed and controls the rate-of- charge accordingly. Batteries are charged at a rapid-rate until fully charged at which point the unit reverts to a trickle charge. Batteries can be charged while on the radio or stand alone. The radio can be operated while in the charger and this unit is PAC RT compatible. The vehicular charger consists of a console, mounting hardware and supply cable.

NTN9176C	Vehicular Charger



NTN9176C

power for the road...

Vehicular Adapters offer quick radio release and dead battery operation. They are powered by attaching the radio supply cable to the 12 Volt battery located inside a police car, utility truck or other vehicle.

Vehicular Adapters

Allow users to adapt XTS 3000, XTS 3500 or XTS 5000 portable radios for mobile operation. They provide in-vehicle rapid and trickle charging for NiCd, NiMH and Li-ion batteries. These units offer quick radio release and dead battery operation and are powered by attaching the radio supply cable to the 12 Volt battery located inside a police car, utility truck or other vehicle. Connectors are provided for the vehicle's external antenna, mobile microphone and optional amplified loudspeaker HSN1000B – these are required to allow operation of the portable radio in a way that is similar to that of a mobile.There is also a general interface connector for additional accessories. A color LED indicates battery recharge status. For XTVA operation, a microphone and RF Switch NTN8327A are required.

NTN8561F	XTS Vehicular Adapter. Closed Face with Limited Keypad Access, Mini-UHF.
NTN8560F	XTS Vehicular Adapter. Open Face with Limited Keypad Access, Mini-UHF.
NTN1607F	XTS Vehicular Adapter. Closed Face, BNC.
NTN1606F	XTS Vehicular Adapter. Open Face with Limited Keypad Access, BNC.

ADAPTER KITS FOR ACCESSORIES

NTN8941A	XTVA Data Cable Kit. Required for additional accessories, sold separately.
NTN8943A	XTVA Accessory Adapter Kit. Required for additional accessories, sold separately.

REQUIRED ACCESSORIES FOR VEHICULAR ADAPTERS

NTN8940B	Trunnion. Required for operation.
6685687A01	Tool Wrench for RF Switch. Required for operation.
NTN8327A	RF Adapter. Required for operation.

OPTIONAL ACCESSORIES FOR VEHICULAR ADAPTERS

HMN4069E	Standard White Palm Microphone
PLN7737B	Hand Held Control Head
HSN1000B	External Speaker, Amplified, 6-Watt
HLN9330B	Emergency Foot Switch
GLN7280A	Emergency Push Button
NKN6455A	MTVA PA/Speaker Cable

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.

tuned and tested...

Flexible Whip

Flexible whip antennas have a one-piece finish and steel core for optimal radiation characteristics. They provide more comfort when radio is worn on the belt.

8505241U05	6 Inch Flexible Whip Antenna, 403-520 MHz
8505241U03	7 Inch Flexible Whip Antenna, 806-869 MHz
8505241U11	7 Inch Flexible Whip, Dual Band Antenna, 764-870 MHz

Helical

Helical antennas are sturdy and dependable. Each antenna is designed and built to quality standards. The skirt at the base of the connector helps to seal out damaging elements.The connector is made of plated brass material for long life.

8505644V01	6 Inch Helical Antenna, 136-151 MHz
8505644V02	6 Inch Helical Antenna, 151-162 MHz
8505644V03	6 Inch Helical Antenna, 162-174 MHz
8505644V04	3 Inch Helical Antenna, 403-435 MHz
8505644V05	3 Inch Helical Antenna, 435-470 MHz
8505644V06	3 Inch Helical Antenna, 470-520 MHz

Wideband

Wideband antennas are ideal when the radio is used in different frequencies since one antenna will cover all ranges.

8505518V01	8 Inch Wideband Antenna, 136-174 MHz

Stubby

This quarterwave stubby antenna is ideal when the radio is worn on a belt because the short antenna is non-obtrusive. This broad band antenna can be used for both 800 and 900 MHz applications.

8505241U06	4 Inch Stubby Antenna, 806-941 MHz

8505241U05

8505644V01

8505644V04

8505644V03

8505241U06

XTS 1500/2500, MT 1500 & PR1500 portables

Police

Whether in hot pursuit or investigating a cold case, communication can be made much easier with a CommPort™ Integrated Microphone/Receiver System.

Fire

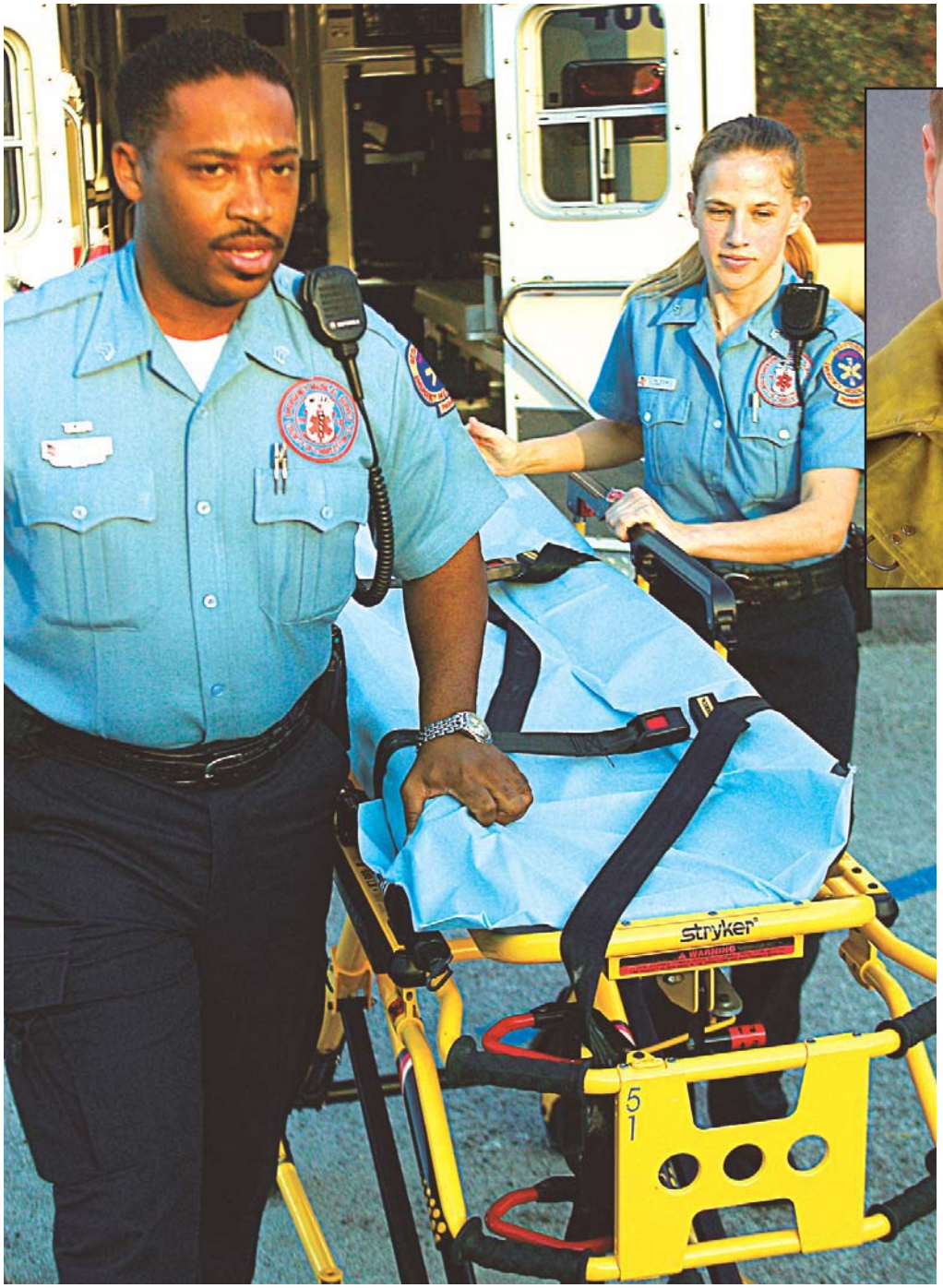
It takes two hands for climbing ladders and controlling hoses, and solutions like our Chest Pack provide both welcome freedom and valued protection in the heat of the action.

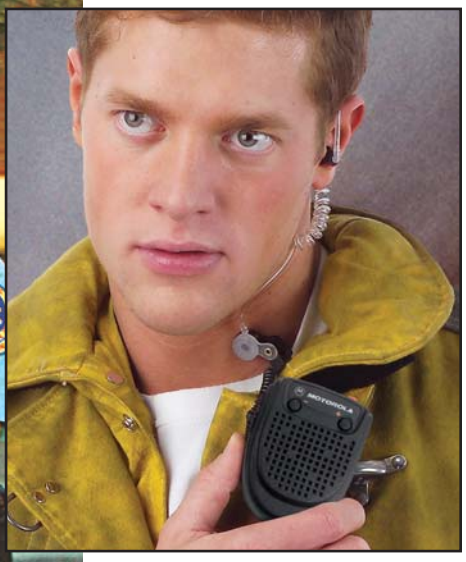
Emergency Response

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 the radio controls.





"Yes Captain... we put the engine fire out, the ambulance just got here, so we're heading back to the station."

high performance in a small size...

ASTRO® Digital XTS 1500™/2500™, MT 1500™ and PR1500 radios offer high performance capability in an easy-to-use small size. Lightweight and convenient to carry, these radios feature Noise Reduction Software for enhanced audio quality and support multiple system configurations to match your needs.

microphones and accessories

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

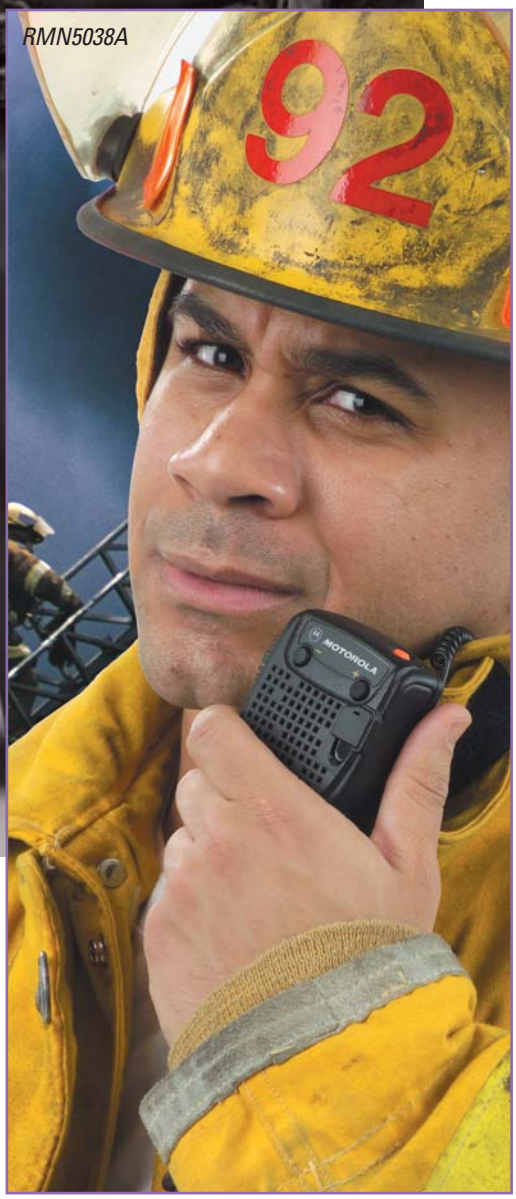
jacket or shirt collar —

and Motorola Original®

audio accessories

make it possible.

NMN6191C Noise-Cancelling Remote Speaker Microphone is the perfect choice when you must [illegible] heard the first time.



The Remote Speaker Microphone with Emergency Button has an earphone jack located on the microphone head that allows the user to receive discrete audio when used with the following earpieces RLN4941A, AARLN4885B and WADN4190B.

for tough conditions...

Remote Speaker Microphones (RSM)

These compact Remote Speaker Microphones are water-resistant and allow talking and listening without removing the radio from the belt or case. They have a 6-foot coiled cord assembly, 3.5mm earjack, swivel clip and quick disconnect latch.

NMN6193C*	Remote Speaker Microphone
NMN6191C*	Noise-Cancelling Remote Speaker Microphone
0104010J46	Replacement Coil Cord Assembly for Remote Speaker Microphone

NMN6193C

Remote Speaker Microphone with Emergency Button

The orange button on the microphone head can be used to signal that the operator needs help. This microphone offers high/low volume control and has a 3.5mm earjack on the microphone head. Emergency activation from the RSM is delayed until programmed Mandown Pre-alert and Post-alert delays elapse. Depending on radio model, factory defaults or previous programming could set the delay times for as long as 8 to 120 seconds.

RMN5038A*	Remote Speaker Microphone with Emergency Button

RMN5038A

Public Safety Microphones (PSM)

Public Safety Speaker Microphones include straight cord assembly, 3.5mm earjack, swivel clip, antenna connector and receive audio high/low toggle switch. Use with radio's antenna, sold separately. RF adapter is included. Not for use in VHF frequency bands.

RMN5072A*	Public Safety Microphone with 30 Inch Straight Cord
RMN5073A*	Public Safety Microphone with 24 Inch Straight Cord
RMN5074A*	Public Safety Microphone with 18 Inch Straight Cord

RSM/PSM Audio Accessories

The following earpieces are compatible with the Remote Speaker Microphone with Emergency Button RMN5038A and Public Safety Microphones RMN5072A, RMN5073A and RMN5074A.

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

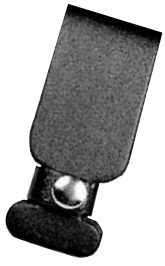
Epaulet Straps

Black leather Epaulet Strap secures Remote Speaker Microphone to epaulet on shirt or jacket and accommodates 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

RMN5072A

RLN4294A


RLN4295A

*Intrinsically Safe

Surveillance Kits

Surveillance accessories allow the radio user to privately receive messages with the earpiece and are ideal when environments require discreet communication. The following surveillance accessories require the 3.5mm threaded adapter jack BDN6676D that attaches to the radio, unless being used with speaker microphone.

1-WIRE SURVEILLANCE KITS

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.

2-WIRE SURVEILLANCE KITS

BDN6667A*	Earpiece with Microphone and Push-to-Talk Combined (2-Wire). Beige.
BDN6669A*†	Extra Loud Earpiece with Microphone and Push-to-Talk Combined (2-Wire). Beige.
BDN6729A*	Earpiece with Microphone and Push-to-Talk Combined (2-Wire). Black.
BDN6731A*†	Extra Loud Earpiece with Microphone and Push-to-Talk Combined (2-Wire). Black.

3-WIRE SURVEILLANCE KITS

BDN6668A*	Earpiece with Microphone and Push-to-Talk Separate (3-Wire). 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

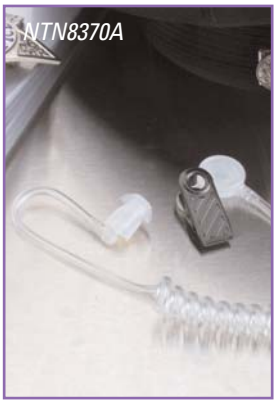
NTN8371A

Surveillance Kits - With Extended-Wear Comfort Earpiece

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

RLN5314A	Receive-Only Comfort Earpiece. Beige.
RLN5313A	Receive-Only Comfort Earpiece. Black.
RLN5311A	Earpiece w/Microphone and PTT Combined (2-Wire). Beige.
RLN5312A	Earpiece w/Microphone and PTT Combined (2-Wire). Black.

RLN5311A


NTN8370A

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. Noise reduction =24dB. Can be used with Clear Comfortable Earpieces, sold separately.
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.

RLN5313A

SURVEILLANCE REPLACEMENT ACCESSORIES

BDN6676D*	3.5mm Jack Adapter with Quick Disconnect Latch
5080384F72	Replacement Foam Plugs. Pack of 50 For use with NTN8370A. Noise reduction rating = 24dB.
5080370E97	Replacement Standard Rubber Eartips. Clear. Pack of 25. For use with NTN8371A.

BDN6676D

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)

discreet communication...

Completely Discreet Wireless Earpiece Kit

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

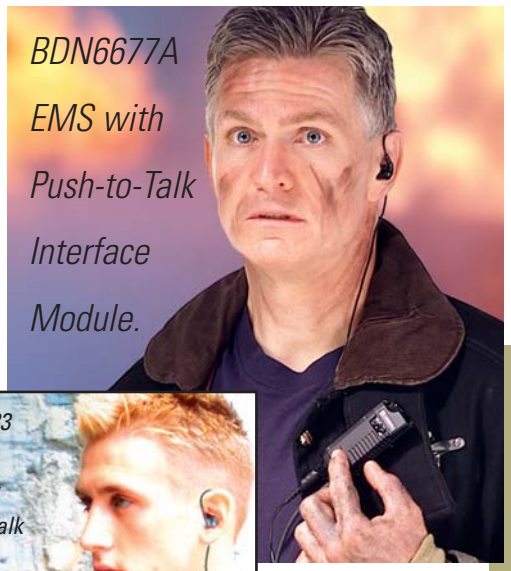
RLN4922A	Completely Discreet Earpiece Kit
RLN4919A	Replacement Earguards. 5 per pack.
RNN4005A	Replacement 1.4 Volt Batteries. 6 per pack.

The Completely Discreet Earpiece is easy to use, just remove the earpiece from any standard 2 or 3-Wire 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!

Ear Microphone Systems (EMS)

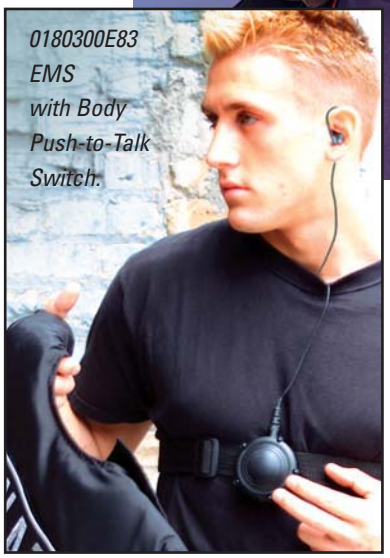
This compact, lightweight unit picks up sound through bone vibrations in the ear canal. The miniature earpiece leaves the hands-free and face unobscured, good for rescue and emergency personnel that must retain the ability to help, hear and speak directly to others...those not on the communication system. EMS may be worn with protective masks without reduction in clarity of sound. It's ideal for high-noise environments. Available in PTT or Voice-Activated (VOX). Interface Module is required and 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).
BDN6708B*	Push-to-Talk Only Interface Module
BDN6671B*	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.
0180305J46	Training CD-ROM For Ear Microphone System and Temple Transducer.



0180300E25

*Intrinsically Safe

audio

Take advantage of these high-quality Motorola Original® audio accessories that offer clear reception, lightweight convenience and all-day comfort.

CommPort: Integrated Microphone/Receiver System

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

NTN1624A*	Integrated Ear Microphone/Receiver System with Palm PTT Includes 3.5mm adapter BDN6676D.
NTN1625A*	Integrated Ear Microphone/Receiver System with PTT on Radio Adapter Includes 3.5mm adapter BDN6676D.
NTN1663A*	Integrated Ear Microphone/Receiver System with Ring PTT. Includes 3.5mm adapter BDN6676D.
NTN1736A*	Integrated Ear Microphone/Receiver System with Snap-On-Side PTT Includes 3.5mm adapter BDN6676D.
NNTN4186A*	Integrated Ear Microphone/Receiver System with Body PTT Includes 3.5mm adapter BDN6676D.

OPTIONAL ACCESSORIES FOR COMMPORT

NKN6510A	Replacement Palm PTT Cable for NTN1624A
NKN6512A	Replacement Ring PTT Cable for NTN1663A
NKN6525A	Replacement Snap-On-Side PTT Cable for NTN1736A
NNTN4188A	Replacement Remote PTT Body Switch for NNTN4186A
NTN8819B*	Ear Microphone Assembly
NKN6508A	Replacement Cable for NTN1625A
NTN8821A	CommPort Maintenance Kit Includes 10 replacement ear tubes, 10 microphone seal strips and 2 windscreens.
NTN8986A	Adhesive Pads. For secure attachment to ear. Pack of 90.
NTN8988A	Ear Straps. For secure attachment to ear. Pack of 10.
RLN5037A	Replacement Ear Tubes. Pack of 10.
4285838B01	Replacement Collar Clip
4202006A01	Replacement Back Cover Clip
BDN6676B	3.5 mm Jack Adapter with Quick Disconnect Latch

*Intrinsically Safe

mission critical essentials...

Pellet-Style Earpieces

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

BDN6780A

BDN6780A	Earbud with Microphone and Push-to-Talk Requires adapter BDN6676D.
BDN6781A	Earbud, receive-only. Requires BDN6676D adapter unless being used with a speaker or microphone.
7580372E70	Replacement Foam Cushion for Pellet Earpieces
BDN6676D	3.5mm Jack Adapter with Quick Disconnect Latch

RMN4049A

Temple Transducer

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. The sound vibration is transmitted through the surrounding human tissue and bone directly into the inner ear where it is received by the user. It features an In-line PTT and noise-cancelling boom microphone.The Temple Transducer enhances communication and safety by not impairing the user's hearing of the external sound environment, such as machinery and equipment, warning and fire alarms, the intercom, traffic and even casual conversations with co-workers.

RMN4049A*	Temple Transducer
0180305J46	Training CD-ROM. For Ear Microphone System and Temple Transducer.

Rugged Temple Transducer

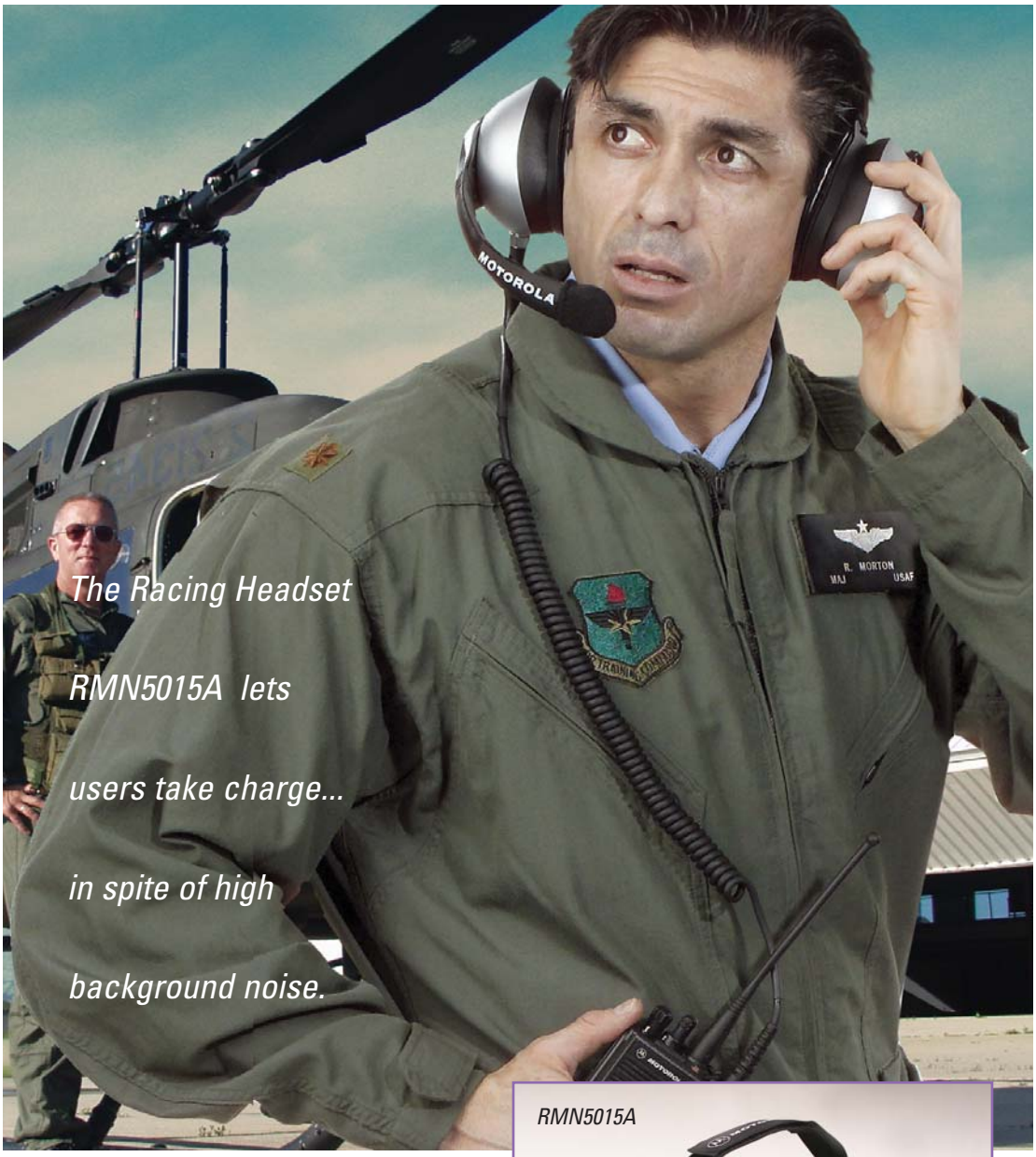
The Rugged Temple Transducer comes equipped with all the features of the basic model. It sports a bigger Push-to-Talk button and a larger noise-cancelling boom microphone. It is fully adjustable for different head sizes, making it comfortable for extended-wear. Over-the-head band allows users to wear helmets, hardhats and other head gear – and it really stays in place. Water-resistant boom microphone is ideal for use in blowing rain and the secure cap on PTT prevents accidental activation in mission critical situations.

RMN5049A*	Rugged Temple Transducer

RMN5049A

*Intrinsically Safe

The same winning quality and dependability you see at professional football stadiums and motor speedways can be yours with Motorola Original® accessories.



The Racing Headset RMN5015A lets users take charge... in spite of high background noise.

Racing Headset

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

RMN5015A	Racing Headset with Noise-Cancelling Swivel Boom Microphone Behind-the-Head style. Noise reduction rating = 24dB.
BDN6673B	Adapter Cable for RMN5015A

RMN5015A

clear communication...

Noise-Cancelling Headsets With Boom Microphone

Ideal for two-way communication in extremely noisy environments. Dual-Muff, tactical headsets include two microphones on the outside of the earcups which reproduce the ambient sound back into the headset. Harmful sounds are suppressed to a safe level and low sounds are amplified up to 5 times the original level, but never more than 82dB. Includes on/off volume control on earcups and 3-foot coiled cord. Easily replaceable earseals are filled with liquid and foam combination to provide excellent sealing and comfort. Requires RKN4095A In-line PTT adapter cable.
Hardhat not included.

RMN4052A	Tactical Headband Style Headset, Grey. Noise Reduction Rating = 24dB. Requires RKN4095A Adapter Cable
RMN4053A	Tactical Hardhat Mount Headset, Grey. Noise Reduction Rating = 22dB. Requires RKN4095A Adapter Cable.
RKN4095A	In-Line PTT Adapter Cable For use with RMN4051B, RMN4052A and RMN4053A headsets.

RMN4053A

Hardhat Mount Headset With Noise-Cancelling Boom Microphone

Ideal for two-way communication in high-noise environments, it mounts easily to hardhats with slots and has an excellent noise reduction of 22dB. Easily replaceable earseals are filled with liquid and foam combination to provide excellent sealing and comfort. 3-foot coiled cord assembly.
Requires RKN4095A In-line PTT Adapter Cable.
Hardhat not included.

RMN4051B	Two-way Hardhat-mount Headset. Black.

RMN4051B

Medium Weight Headsets

Medium Weight headsets offer high-clarity sound with the additional hearing protection necessary for providing consistent, clear two-way radio communications in harsh, noisy situations.

NMN6258A	Medium Weight Headset, Over-the-Head Style with In-line PTT. Noise reduction rating = 24dB.
NMN6259A	Medium Weight Headset, Behind-the-Head Style with In-line PTT. Noise reduction rating = 24dB.

NMN6258A

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. Radio adapter cable BDN6640A required, sold separately.

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.
BDN6673B*	Radio Adapter Cable

BDN6645A

*Intrinsically Safe

carrying accessories

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.

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.

NNTN4115A	Leather Case with High-Activity Swivel Features 3 inch swivel belt loop, D-rings and T-strap.
NNTN4116A	Leather Case with High-Activity Swivel Features 2.5 inch swivel belt loop, D-rings and T-strap.
NNTN4117A	Leather Case with Belt Loop Features 3 inch belt loop, D-rings and T-strap.

NNTN4115A

Nylon Carrying Case

NTN7247A	Nylon Case with Snap Belt Loop and T-strap

NTN7247A

Carrying Accessories

T-STRAPS

NTN8383A	Leather T-strap, Plain Action Snap
NTN8384A	Leather T-strap, Hard Action Snap

HIGH-ACTIVITY BELT LOOPS

NTN8039B	Leather Swivel Belt Loop. 2.5 Inches.
NTN8040B	Leather Swivel Belt Loop. 3 Inches.

BELT CLIPS

HLN6853A	2.25 Inch Spring Action Belt Clip
HLN9844A	2 Inch Removable Belt Clip Attachment

CARRYING STRAP

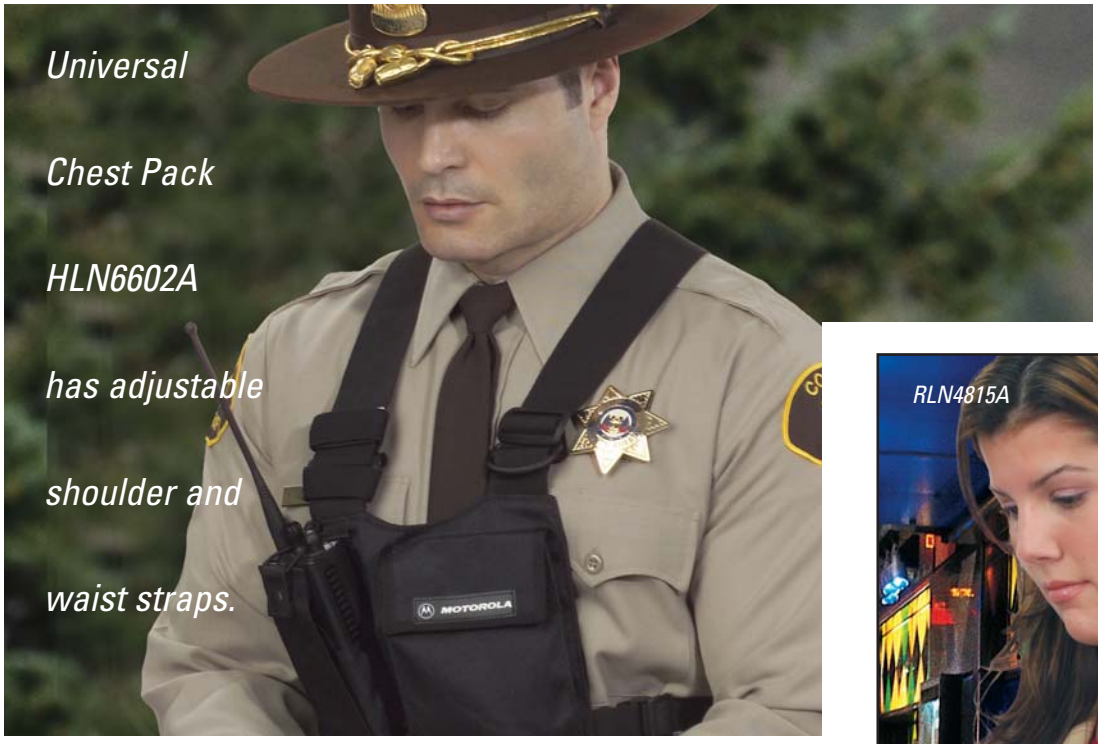
NTN5243A	Adjustable, Black Nylon Carrying Strap Attaches to D-ring on case.

NTN8039B

NTN8040B

HLN9844A

NTN5243A



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.

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

batteries and chargers

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.

Batteries

PREMIUM NICKEL CADMIUM - NiCd

NTN9815B	NiCd, 1525 mAh 7.5 Volt
NTN9816B	NiCd, 1525 mAh 7.5 Volt. Intrinsically Safe.

IMPRES™ NiMH 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.

NTN9858C	NiMH, 1850 mAh 7.5 Volt
NTN9857C	NiMH, 1700 mAh 7.5 Volt. Intrinsically Safe.
NNTN6263A	NiMH, 1700 mAh 7.5 Volt. Intrinsically Safe, Ruggedized.

Single-Unit, Rapid-Rate, Universal Charger

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,
NTN1668A	Universal Charger, 220 Volt,
NTN1669A	Universal Charger, 240 Volt,

NTN1667A

Motorola Conditioning Charger (MCC)

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

WPPN4065BR

WPPN4002BR	Base Charge Unit, 110 Volt AC. Adapter plates sold separately.
WPLN4168AR	MCC Kit, 110 Volt AC. Includes single-unit base and adapter plate
WPPN4098AR	Adapter plate only
WPPN4065BR	Multi-Unit Conditioning Charger, 4-Station Base, 110 Volt Adapter plates sold separately.

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.

RLN4814A

Vehicular Power Adapter

3080384G15	Vehicular Power Adapter

Vehicular Travel Charger

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

RLN4884B	Vehicular Travel Charger
RLN4914A	Universal Mounting Bracket for RLN4884B. Includes screws and nylon strap cord.

TRAVEL CHARGER TRANSFORMERS

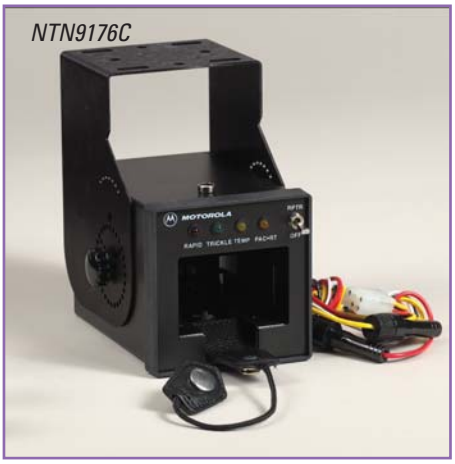
2580600E05	Transformer, US, 120 Volt
2580600E06	Transformer, European, 230 Volt
2580600E07	Transformer, UK, 230 Volt
2580600E08	Transformer, Argentina, 220 Volt

RLN4884B

Vehicular Charger

This vehicular charger is a 12 Volt DC unit that supports NiCd, NiMH and Li-ion batteries.
A microprocessor senses the type of battery installed and controls the rate of charge accordingly. Batteries are charged at a rapid-rate until fully charged at which point the unit reverts to a trickle charge. Batteries can be charged while on the radio or stand alone. The radio can be operated while in the charger and this unit is PAC RT compatible. The vehicular charger consists of a console, mounting hardware and supply cable.

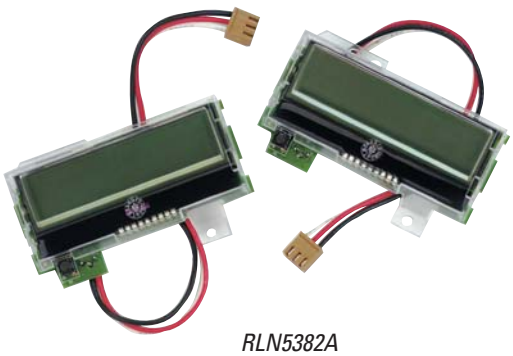
NTN9176C	Vehicular Charger


NTN9176C

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.

WPLN4111AR



RLN5382A

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

essential power systems...

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

WPPN4097AR	NiCd and NiMH Adapter, 7.5 Volt

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.
RL76341	Standard Battery Adapter. For use with XTS 2500 radios.

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 100 mAh 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.

tuned and tested...

Flexible Whip

Antenna has a one-piece finish and steel core for optimal strength and better radiation characteristics. Provides more comfort when radio is worn on the belt.

NAE6549AR	7 Inch Flexible Whip Antenna, 403-520 MHz
8505241U03	7 Inch Flexible Whip Antenna, 806-870 MHz
8505241U11	7 Inch Flexible Whip Dual Band Antenna, 764-870 MHz

Stubby

This quarterwave Stubby Antenna is ideal when radio is worn on the belt because the short antenna is non-obtrusive. This is a broad band antenna that can be used for both 800 MHz and 900 MHz applications.

8505241U06	4 Inch Stubby Antenna, 806-941 MHz

8505644V01

8505644V03

Helical

Helical antennas are sturdy and dependable. Each antenna is designed and built to quality standards. The skirt at the base of the connector helps to seal out damaging elements.The connector is made of plated brass material for long life.

8505644V01	6 Inch Helical Antenna, 136-151 MHz
8505644V02	6 Inch Helical Antenna, 151-162 MHz
8505644V03	6 Inch Helical Antenna, 162-174 MHz
NAE6546AR	3 Inch Helical Antenna, 403-435 MHz
NAE6547AR	3 Inch Helical Antenna, 435-470 MHz
NAE6548AR	3 Inch Helical Antenna, 470-520 MHz

ASTRO® XTL 1500/2500/5000 05 mobiles

Crowd Control

Keeping people away from potential dangers is a task made easier with Speakers on board each vehicle.

Crisis Situations

Day one calls for on-scene decisions. Day two moves command to a situation room. Control Station Accessories make it easy to convert radios for inside use.

Utility Repairs

Maximizing worker safety in high-crime areas is a number one priority, and an Emergency Switch is a ready solution if an alarm or help message needs to be sent.

Emergency Response

If just one number is heard wrong, help may not get to the correct address on time. An External Speaker can help make everything clear under noisy conditions.

"This is car 67...

EMS's expected ETA

is twenty-four fifteen,

fire department is on

the scene."

high performance, quality, reliability and interoperability in daily communications...

ASTRO® XTL™ 1500, 2500 and 5000 05 mobile radios are ideal for demanding environments — law enforcement, fire, EMS, government agencies, construction and more. That's because they support Project 25 and stand up to your toughest challenges. 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.

Microphones and Accessories

HMN4079C	Keypad Microphone
HMN1090A	Standard Palm Microphone
HMN1087A	Gooseneck Push-to-Talk Attaches to vehicle steering column. For use with Visor Microphone.
HMN4089A	Visor Microphone, Remote Mount
HMN1089A	Modified GCAI Palm Microphone Water-resistant.
HKN1017A	Handset with Hang Up Cup with Coiled Cable. Includes cradle.
HKN1018A	Hang Up Handset with Normal Armoured Cable
HLN1457A	Handset with Hang Up Cup

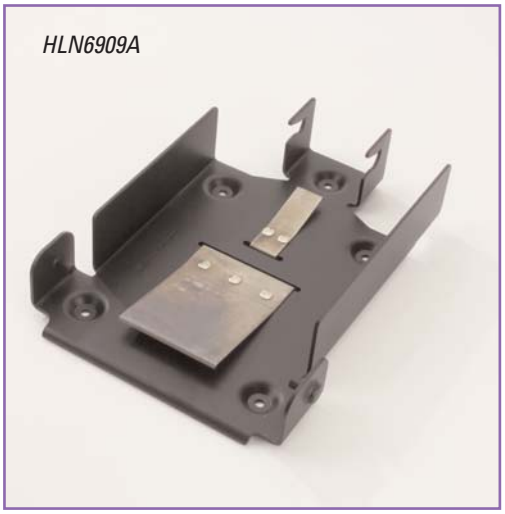
External Speaker

Provides audio for high ambient noise environments.

HSN4038A	External 7.5 Watt Speaker

Motorocycle Speaker

HSN6003B	Motorcycle Speaker Weather-resistant.



Trunnion Kits

HKN6186A	Control Head Remote Mount Trunnion Kit
HLN6909A	Quick Release, High Power Trunnion Kit
HLN6910A	High Power Trunnion Kit For XTL 5000 05 only.
HLN6861A	Standard Installation Trunnion Kit

Control Station accessories make the ASTRO XTL 5000 05 a desktop command center. From left to right are Control Station Power Supply HPN4007A, Control Station Tray HLN6042A and Desktop Microphone HMN1088A.

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

Control Station Accessories

HMN1088A	Desk Microphone
HLN6042A	Desk Tray with Speaker
HLN6925A	Control Station Mount
HPN4007A	Power Supply, 25-60 Watt Rated.

Emergency Switches

These switches enable 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
HLN5131C	Emergency Push Button
GLN7278B	Foot Switch Push-to-Talk

Miscellaneous Hardware

HLN6372A	Key Lock Mount

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® audio accessories should be the go-to choice.

Power Cables

HKN4191B	10-Foot Power Cable
HKN4192B	20-Foot Power Cable
HKN6032A	Motorcycle Power Cable
HKN6110B	100-Watt Power Cable

Remote Mount Cables

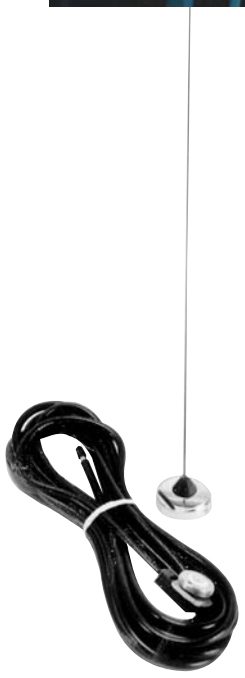
HKN6164A	131-Foot Remote Mount Cable – 40 meters
HKN6165A	115-Foot Remote Mount Cable – 35 meters
HKN6166A	75-Foot Remote Mount Cable – 23 meters
HKN6167A	50-Foot Remote Mount Cable – 15 meters
HKN6168A	30-Foot Remote Mount Cable – 10 meters
HKN6169A	17-Foot Remote Mount Cable – 5 meters
HKN6170A	10-Foot Remote Mount Cable – 3 meters

Remote Mount Kits

HKN6161A	20-Foot Dash Mount Data Cable Kit - IV&D
HKN6160A	6-Foot Dash Mount Data Cable Kit - IV&D

Miscellaneous Cables

GKN6271A	Ignition Sense Cable
HKN6182A	Cable Keyloading Adapter - GCAI



HAD4006A

HAE4003A

Antennas

VHF

HAD4006A	136-144 MHz 1/4 Wave Roof Mount Antenna
HAD4007A	144-152 MHz 1/4 Wave Roof Mount Antenna
HAD4008A	152-162 MHz 1/4 Wave Roof Mount Antenna
HAD4009A	162-174 MHz 1/4 Wave Roof Mount Antenna
HAD4017A	146-174 MHz 1/4 Wave Roof Mount Antenna
RAD4010ARB	136-174 MHz 3.0dB Wave Roof Mount Antenna

UHF

HAE4003A	450-470 MHz 1/4 Wave Roof Mount Antenna
HAE4004A	470-512 MHz 1/4 Wave Roof Mount Antenna
HAE4011A	450-470 MHz 3.5dB Gain Roof Mount Antenna
HAE4012A	470-495 MHz 3.0dB Gain Roof Mount Antenna
HAE4013A	494-512 MHZ 3.0dB Gain Roof Mount Antenna
RAE4014A	450-470 MHz 5.0dB Gain Roof Mount Antenna
RAE4014ARB	450-470 MHz 5.0dB Gain Roof Mount Antenna
RAE4016ARB	494-512 MHz 5.0dB Gain Roof Mount Antenna
HAE6010A	380-433 MHz 3.5dB Gain Roof Mount Antenna
HAE6011A	380-433 MHz 5.0dB Gain Roof Mount Antenna
HAE6012A	380-433 MHz 1/4 Wave Roof Mount Antenna
HAE6013A	380-470 MHz Wideband 2.0dB Roof Mount Antenna

700/800 MHz

HAF4013A	762-870 MHz 3.0dB Gain Low Profile Antenna
HAF4014A	762-870 MHz 3.0dB Gain Elevated Feed Antenna
HAF4016A	762-870 MHz 1/4 Wave Roof Mount Antenna
HAF4017A	762-870 MHz 3.0dB Gain Collinear Roof Mount Antenna

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