

Motorola **Two-Way Portable and Mobile Radio**

Accessory and Battery Catalog

For Discontinued Two-Way Radio Models



PORTABLES

CP125
CP150
VL130
CT250/CT450/CT450.LS
SP50/SP50+
P1225/P1225.LS
GTX Portable
SP21/GP350/GP300

MOBILES

GTX Mobile
M1225
SM50/SM120
M208/M130/M216
GM300

Motorola Quality...

exceptional dependability



You already depend on Motorola two-way radios for your business communications.

You can continue to rely on Motorola Original® accessories to provide custom radio solutions.

You likely chose your Motorola two-way radios for their ease of use and exceptional reliability — certainly a sound decision. Choosing Motorola Original accessories for your radios 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 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 an inferior microphone, your radio may not perform at the moment you have to use it.

We offer a full collection of proven Motorola Original accessories for your important and critical 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 extended communication time, and more. They're all ready to help ensure you perform with greater productivity and confidence.

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Motorola Radios

We continually improve Motorola two-way radios, making continuous model upgrades, yet we never change our quality standard. Whichever Motorola portable or mobile radio you own, it's been designed for long life. That's why you can expect every radio to deliver years of reliable performance.

Motorola Accessories

Even though your particular radio may be discontinued, we still support it with a variety of accessories. This substantial accessory offering, combined with your radio's renowned Motorola quality, can help keep discontinued models working like new for years to come.



portable radio: audio

CP125, CP150, VL130, CT250/CT450/CT450.LS,
SP50/SP50+, P1225/P1225.LS, and GTX



PMMN4013A



Windporting Remote Speaker Microphones (RSM)

These Remote Speaker Microphones have a 6-foot coiled cord assembly, swivel clip and quick disconnect latch. The windporting feature dramatically lessens background noise from high winds and other severe weather conditions. IP57 Submersible model tested at 1 meter for 30 minutes.

CP150, VL130, CT250, CT450, CT450.LS, SP50, SP50+, P1225, P1225.LS, GTX

- PMMN4013A Remote Speaker Microphone with 3.5mm audio jack
- PMMN4029A Remote Speaker Microphone, IP57 Submersible
- HKN9094A Replacement Coiled Cord for legacy HMN9030A.

Mag One™ Remote Speaker Microphone

The Remote Speaker Microphone is a water-resistant compact unit that allows talking and listening without removing the radio from the belt or case. It has a coiled cord, push-to-talk switch.

CP125, CP150

- PMMN4008A Mag One Remote Speaker Microphone

PMMN4008A



Remote Speaker Microphone Audio Accessories

The following earpieces are compatible with all Remote Speaker Microphones with a 3.5mm audio jack on the head of the microphone.

CP150

- RLN4941A Receive-Only Earpiece with Translucent Tube and Rubber Eartip
- AARLN4885B Receive-Only Covered Earbud
- WADN4190B Receive-Only Flexible Earpiece
- PMLN4620A Receive-Only D-Shell Earpiece



PMLN4620A

AARLN4885B



WADN4190A



RLN4941A



portable radio: audio

CP125, CP150, VL130, CT250/CT450/CT450.LS,
SP50/SP50+, P1225/P1225.LS, and GTX



Pellet and D-Style Earpieces

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

CP150, CT250, CT450, CT450.LS, SP50, SP50+, P1225, P1225.LS

- HLN9132A Receive-Only Earbud
- HMN9036A Earbud with Clip Microphone and Push-to-Talk
- PMLN5001A D-Shell Earpiece with In-line Microphone and Push-to-Talk

Mag One Earpiece Accessories

Mag One accessories meet the requirements of light-duty and moderate working environments. For VOX capability, radios must have the VOX feature enabled.

CP125, CP150

- PMLN4442A Mag One Earbud with Microphone/Push-to-Talk/VOX Switch
- PMLN4443AB Mag One Ear Receiver with Microphone/Push-to-Talk/VOX Switch
- PMLN4444A Mag One Earset Boom Microphone with Push-to-Talk/VOX
- PMLN4445A Mag One Headset with Push-to-Talk/VOX Switch

Ultra-lite Earpiece

Small and lightweight, the earpiece clips comfortably to the ear. Feature boom microphone and in-line push-to-talk.

CP150, CT250, CT450, CT450.LS, SP50, SP50+, P1225, P1225.LS, GTX

- PMMN4001A Ultra-Lite Earpiece with Boom Microphone and In-line Push-to-Talk

Earsets

These comfortable-to-wear accessories let users enjoy communication that's clear, private and hands-free.

VL130

- PMLN4294D Earset Microphone with Push-to-Talk
- PMLN4425A Earset Boom Microphone with Remote Ring Push-to-Talk

Flexible Ear Receiver

This Receive-Only earpiece contains a flexible earloop and speaker which rests external to the ear. Black, without volume control.

CP150, CT250, CT450, CT450.LS, SP50, SP50+, P1225, P1225.LS, GTX

- BDN6720A Flexible Ear Receiver
- 7580372E11 Replacement Foam Ear Cushion for BDN6720A.



portable radio: audio

CP125, CP150, VL130, CT250/CT450/CT450.LS,
SP50/SP50+, P1225/P1225.LS, and GTX



HMN9752B



RLN4894A



HMN9754D

Surveillance Kits

Surveillance accessories allow the radio user to privately receive messages with the earpiece. They are ideal when environments require discreet communication. 1-wire surveillance kits are receive only, while 2-wire surveillance kits provide one wire for receiving and one wire with combined microphone and push-to-talk functionality. Comfort earpiece surveillance kits include an extended-wear comfort earpiece that has a rubber eartip and clear, comfortable acoustic tube.

CP150, CT250, CT450, CT450.LS, SP50, SP50+, P1225, P1225.LS, GTX

1-WIRE SURVEILLANCE KITS

- HMN9727B Receive-Only Earpiece, Beige
- RLN4894A Receive-Only Earpiece, Black
- HMN9752B Receive-Only Earpiece with Volume Control, Beige

2-WIRE SURVEILLANCE KITS

- HMN9754D Earpiece with Microphone and Push-to-Talk Combined, Beige
- RLN4895A Earpiece with Microphone and Push-to-Talk Combined, Black
- RLN5317A Comfort Earpiece with Microphone and Push-to-Talk Combined, Beige
- RLN5318A Comfort Earpiece with Microphone and Push-to-Talk Combined, Black



RLN5318A

portable radio: audio

CP125, CP150, VL130, CT250/CT450/CT450.LS,
SP50/SP50+, P1225/P1225.LS, and GTX



Quick Disconnect Noise Kits

Extreme Noise Kits provide extra comfort and/or noise protection for users wearing surveillance accessories. Lightweight, translucent tube attaches to Motorola surveillance accessories to provide flexibility and comfort. The Quick Disconnect Adapter allows users, especially those in multiple shift operations, to easily remove or alternate acoustic tubes. Clothing clip prevents accessory from being pulled from the ear due to body movement or head rotation. For optimal performance, Extra Loud Earphones are recommended.

CP125, CP150, CT250, CT450, CT450.LS, SP50, SP50+, P1225, P1225.LS, GTX

- RLN6230A Extreme Noise Kit. Includes 2 foam earplugs. For high-noise environments. Noise reduction = 24dB. Can be used with Clear Comfortable Earpieces. Black.
- RLN6231A Extreme Noise Kit. Includes 2 foam earplugs. For high-noise environments. Noise reduction = 24dB. Can be used with Clear Comfortable Earpieces. Beige.
- RLN6232A Low Noise Kit – Clear Acoustic Tube Assembly. Includes 1 clear rubber eartip. For low-noise environments, does not provide hearing protection. Black.
- RLN6241A Low Noise Kit – Clear Acoustic Tube Assembly. Includes 1 clear rubber eartip. For low-noise environments, does not provide hearing protection. Beige.

REPLACEMENT ACCESSORIES

- RLN6242A Quick Disconnect Acoustic Tube Replacement
- 5080369E39† Extra Loud Earphone, Beige
- 5080370E91† Extra Loud Earphone, Black
- 5080384F72 Replacement Foam Plugs. Noise reduction = 24dB. Pack of 50. For RLN6230A/RLN6231A.
- 5080370E97 Replacement Standard Clear Rubber Eartips. Pack of 25. For RLN6232A/RLN6241A.

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.

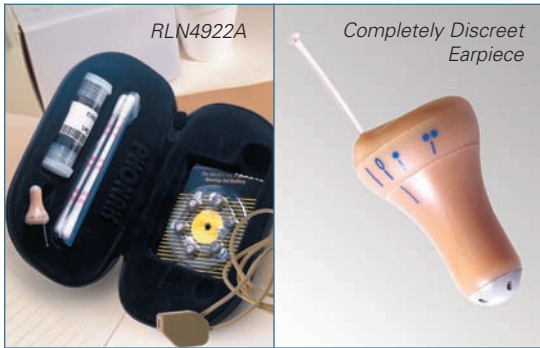
- RLN4760A Small Custom Earpiece – Right Ear
- RLN4761A Medium Custom Earpiece – Right Ear
- RLN4762A Large Custom Earpiece – Right Ear
- RLN4763A Small Custom Earpiece – Left Ear
- RLN4764A Medium Custom Earpiece – Left Ear
- RLN4765A Large Custom Earpiece – Left Ear



†Extra Loud Earphone

portable radio: audio

CP125, CP150, VL130, CT250/CT450/CT450.LS,
SP50/SP50+, P1225/P1225.LS, and GTX



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.

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.

CP250, CP450, CP450.LS, SP50, SP50+, P1225, P1225.LS, GTX

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

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 push-to-talk or voice-activated (VOX) module. Interface module is required and sold separately.

CP150, CP250, CP450, CP450.LS, SP50, SP50+, P1225, P1225.LS

- BDN6646C* Standard EMS with Push-to-Talk Interface Module. For noise levels up to 95dB.
- BDN6706B* Standard EMS with Voice-Activated Interface Module. For noise levels up to 95dB.

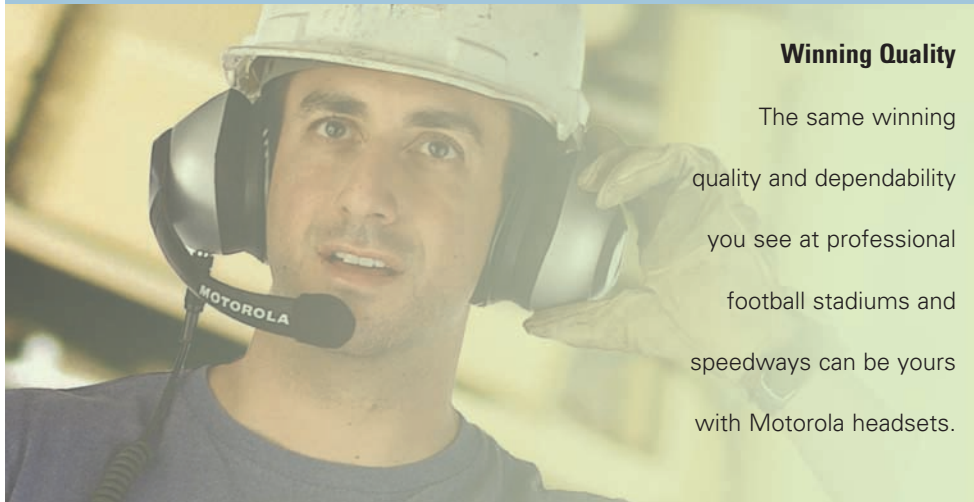
OPTIONAL ACCESSORIES FOR THE EMS

- 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.



portable radio: headsets

CP125, CP150, VL130, CT250/CT450/CT450.LS, SP50/SP50+, P1225/P1225.LS, and GTX



Winning Quality

The same winning quality and dependability you see at professional football stadiums and speedways can be yours with Motorola headsets.



RLN5238B

NFL® Style Headsets

NFL Style Headsets are similar to the headsets worn by coaching staff in the NFL.

- RLN5238B CP150, CT250, CT450, CT450.LS, SP50, SP50+, P1225, P1225.LS Single-Muff, Lightweight Headset with Swivel Boom Microphone
- RMN5047A Single-Muff, Heavy-Duty Headset with Swivel Boom Microphone



RMN5047A

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 CP150, CT250, CT450, CT450.LS0, SP50, SP50+, P1225, P1225.LS Racing Headset with Noise-Cancelling Swivel Boom Microphone Behind-the-Head style. Noise reduction rating = 24dB.
- RKN4090A Adapter Cable for RMN5015A



RMN5015A

Lightweight Temple Transducers

Lightweight, headsets provide high clarity, discrete two-way communication, while maintaining the comfort necessary for extended wear in moderate noise environments. No adapter required.

- PMLN5003A CL125, CP150 Lightweight Temple Transducer with In-Line Push-to-Talk and Microphone
- PMLN5011A Temple Transducer with In-Line Push-to-Talk and Boom Microphone



PMLN5003A

Temple Transducers

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.

portable radio: headsets

CP125, CP150, VL130, CT250/CT450/CT450.LS,
SP50/SP50+, P1225/P1225.LS, and GTX



Lightweight Headsets

Designed for moderate-noise environments, these accessories let users enjoy communication that's clear, private and hands-free. Comfortable for extended wear. No adapters required.

HMN9013B **CP125, CP150, CT250, CT450, CT450.LS, SP50, SP50+, P1225, P1225.LS, GTX**
Lightweight Single Muff Adjustable Headset with Swivel Boom Microphone

RLN5411A **CP150, CT250, CT450, CT450.LS, SP50, SP50+, P1225, P1225.LS, GTX**
Ultra-Light, Behind-the-Head Headset with Boom Microphone and In-line Push-to-Talk

RMN4016B* Single-muff, Adjustable, Lightweight Headset with Boom Microphone and In-line Push-to-Talk

REX4648A **OPTIONAL ACCESSORIES**
Replacement Foam Earpad and Windscreen Kit For HMN9013B and RMN4016A.

RLN5411A



RMN4016B



CP150 with HMN9013B

portable radio: headsets

CP125, CP150, VL130, CT250/CT450/CT450.LS,
SP50/SP50+, P1225/P1225.LS, and GTX



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 required. Hard hat not included.

CT250, CT450, CT450.LS0, SP50, SP50+, P1225, P1225.LS

- RMN4052B Tactical Headband Style Headset. Grey, Noise reduction = 24dB.
- RMN4053B Tactical Hard hat Mount Headset. Grey, Noise reduction = 22dB.
- RKN4094A Adapter Cable with In-Line Push-to-Talk. For use with RMN4052B/RMN4053B.

REPLACEMENT EARSEALS

- RLN4923B Replacement Earseals for RMN4051B/RMN4052B/RMN4053B
Includes 2 snap-in earseals. Recommended replacement interval; once every 6 months to ensure constant level of attenuation, hygiene and comfort.

Hard Hat Mount Headset With Noise-Cancelling Boom Microphone

Ideal for two-way communication in high-noise environments, this headset mounts easily to hard hats 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. Adapter Cable RKN4094A required. Hard hat not included.

CP150, CT250, CT450, CT450.LS, SP50, SP50+, P1225, P1225.LS, GTX

- RMN4051B Two-way, Hard hat Mount Headset with Noise-Cancelling Boom Microphone
- RKN4094A Adapter Cable with In-Line Push-to-Talk. For use with RMN4051B.

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.

CP150, CT250, CT450, CT450.LS, SP50, SP50+, P1225, P1225.LS

- HMN9021A Medium-Weight, Dual-Muff, Over-the-Head Style Headset with In-line Push-to-Talk. Noise reduction rating = 24dB
- BDN6647G* Medium-Weight, Single-Muff Headset with Boom Microphone

CP150, CT250, CT450, CT450.LS, SP50, SP50+

- HMN9022A Medium-Weight, Behind-the-Head Style, Dual-Muff Headset
Can be worn with hard hat. Noise reduction rating = 24dB

Heavy-Duty Headset With Noise-Cancelling Boom Microphone

Heavy-duty headsets include noise-cancelling boom microphones and can be worn with or without a hard hat. The push-to-talk switch is located on the earcup. On voice-activated models, the VOX module is contained within the headset. Adapter cable required, sold separately.

CP150, CT250, CT450, CT450.LS0, P1225, P1225.LS

- BDN6648C* Heavy-Duty, Behind-the-Head Style, with Noise-Cancelling Boom Microphone
Noise reduction rating = 24dB
- 3080357B14 Adapter Cable. Required for use with BDN6648C.

Accessory Retainer Clip

- RLN5500A Accessory Retainer Clip. Holds audio accessory securely to radio.



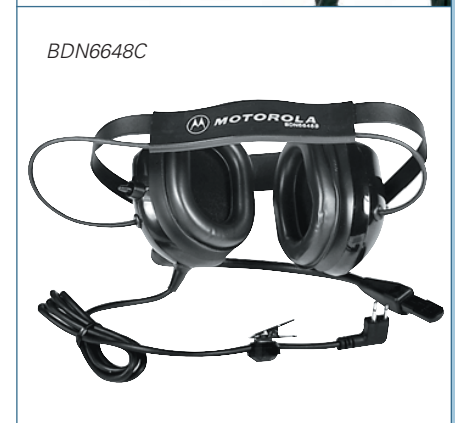
RMN4052B



RMN4051B



HMN9022A



BDN6648C

*Intrinsically Safe with P1225 and P1225.LS only.

portable radio: carry accessories

CP125, CP150, VL130, CT250/CT450/CT450.LS,
SP50/SP50+, P1225/P1225.LS, and GTX

Carrying Cases and Accessories

Add protection to your radio while you carry it in comfort. The carrying cases are available in sizes designed to fit radios with a battery and permit audio to be heard clearly.

CP150

NON-DISPLAY MODELS

- Leather Case with Belt Loop and D-Rings
- Leather Case with 2.5 inch Swivel and D-Rings
- Leather Case with 3 inch Swivel and D-Rings
- Nylon Case with Belt Loop and D-Rings

LIMITED KEYPAD MODELS

- Leather Case with Swivel
- Leather Case with Belt Loop and D-Rings
- Leather Case with 2.5 inch Swivel and D-Rings
- Leather Case with 3 inch Swivel and D-Rings
- Nylon Case with Belt Loop and D-Rings

FULL KEYPAD MODELS

- Leather Case with Belt Clip
- Leather Case with Swivel – Full Keypad Models Only
- Nylon Case with Belt Loop and D-Rings

CT250, CT450, CT450.LS

CARRY CASES FOR CT250

- Leather Case with Belt Loop
- Leather Case with Swivel
- Nylon Case with Belt Clip

CARRY CASES FOR CT450

- Soft Leather Case with Belt Clip
- Leather Case with Swivel
- Leather Case with Belt Loop
- Nylon Case with Belt Clip

CARRY CASES FOR CT450.LS

- Soft Leather Case with Belt Clip
- Leather Case with Swivel – Full Keypad Models Only
- Leather Case with Swivel – Limited Keypad Models Only
- Leather Case with Belt Loop – Full Keypad Models Only
- Leather Case with Belt Loop – Limited Keypad Models Only
- Nylon Case with Belt Clip



- RLN5383A
- RLN5384B
- RLN5385B
- HLN9701B

- RLN5497A
- RLN5640A
- RLN5641A
- RLN5642A
- HLN9701B

- RLN5498A
- RLN5496A
- HLN9701B

- RLN4865A
- RLN4866A
- RLN4868A

- RLN4871A
- RLN4873A
- RLN4874A
- RLN4868A

- RLN4871A
- RLN4873A
- RLN4878A
- RLN4874A
- RLN4879A
- RLN4868A

portable radio: carry accessories

CP125, CP150, VL130, CT250/CT450/CT450.LS,
SP50/SP50+, P1225/P1225.LS, and GTX



- SP50, SP50+**
LEATHER CARRYING CASES
- HLN9125B Hard Leather Case with Belt Loop – Standard models only.
 - HLN9122B Hard Leather Case with Belt Loop – Compact models only.
 - HLN9129B Hard Leather Case with Swivel – Standard model case with spacer included for use with compact models.
- DTMF CARRYING CASE**
- HLN9128B DTMF Leather Case with Swivel – Standard model case with spacer included for use with compact models.
- NYLON CARRYING CASES**
- HLN9126A Nylon Case with Belt Loop – Standard models only.
 - HLN9127A Nylon Case with Belt Loop – Compact models only.
- P1225, P1225.LS**
LEATHER CARRYING CASES
- HLN9417A Standard Leather Case with Belt Loop and D-Rings. For use with Shoulder Strap.
 - HLN9323A Standard Leather Case with Swivel
- DISPLAY CARRYING CASES**
- HLN9238A DTMF Display Leather Case with Swivel
 - HLN9239A Display Leather Case with with Belt Loop and D-Rings. For use with Shoulder Strap. Fits P1225.LS full and keypad models.
- NYLON CARRYING CASES**
- HLN9416A Nylon Case with Belt Loop
- GTX**
STANDARD BELT LOOP CARRYING CASES
- HLN9428A DTMF Leather Case with Belt Loop – Standard battery.
 - HLN9873A Leather Case with Swivel
 - HLN9429A DTMF Leather Case with Belt Loop – FM approved – 1100 mAh battery.
 - HLN9431A DTMF Leather Case with Belt Loop – FM approved – 600 mAh slim battery.
- HIGH ACTIVITY SWIVEL CARRYING CASES**
- HLN9421A DTMF Leather Case with High Activity Swivel Belt Loop – Standard battery.
 - HLN9720A DTMF Leather Case with Belt Loop and D-Rings
 - HLN9426A DTMF Leather Case with High Activity Swivel Belt Loop. For FM approved 1100 mAh battery.
 - HLN9427A DTMF Leather Case with High Activity Swivel Belt Loop. For FM approved 600 mAh battery.
- CARRY HOLDER**
- HLN9076B Molded Carry Holder – High capacity battery.

portable radio: carry accessories

CP125, CP150, VL130, CT250/CT450/CT450.LS,
SP50/SP50+, P1225/P1225.LS, and GTX



HLN9844A



NTN8039B



NTN8040B



4205857B01



TDN1002A



NTN5243A



HLN9973A



4200865599

Carry Accessories

BELT LOOPS & CLIPS

CP150

- 4280483B03 2.5 inch Belt Swivel Loop
- 4280483B04 3 inch Belt Swivel Loop
- RLN5644A Spring Action 2 inch Belt Clip
- HLN8255B Spring Action 3 inch Belt Clip

CP125, VL130, CT250, CT450, CT450.LS

- HLN9844A 2 inch Belt Clip

CT250, CT450, CT450.LS

- HLN9714A Spring Action 2.5 Inch Belt Clip
- SP50, SP50+, P1225, P1225.LS, GTX 2.5 Inch Belt Clip
- HLN9724A 2.5 Inch Belt Clip
- HLN8255B Spring Action 3 Inch Belt Clip
- TDN1002A Swivel Belt Loop. Includes holster belt and strap.
- TDN1003A Spare Swivel Button

P1225, P1225.LS

- NTN8039B 2.5 Inch Swivel Belt Loop. For leather cases.
- NTN8040B 3 Inch Swivel Belt Loop
- HLN9035A Replacement 2.5 Inch Swivel Belt Loop
For HLN9416A, HLN9417A, HLN9323A, HLN9239A.
- 4205857B01 Replacement 3 Inch Swivel Belt Loop
For HLN9416A, HLN9417A, HLN9323A, HLN9239A.

STRAPS

CT250, CT450, CT450.LS, GTX

- NTN5243A Shoulder Carry Strap – For leather carry cases only.

SP50, SP50+

- 4280379E59 Replacement Strap for HLN9122A/HLN9125A/HLN9128A/HLN9129A
- 4280379E58 Replacement Strap for HLN9122B/HLN9125B/HLN9128B/HLN9129B

P1225, P1225.LS

- HLN8052A Wrist Strap
- NTN5243A Shoulder Carry Strap – Compatible with leather carry cases only.
- HLN9973A Replacement Strap for Nylon and Leather Cases
- HLN9974B Replacement Strap for Carrying Cases
Fits P1225.LS DTMF models.
- HLN9015A Replacement Strap for Leather Cases
For HLN9416A, HLN9417A, HLN9323A, HLN9239A.

BELT

- 4200865599 1.75 Inch Wide Leather Belt – For all models.

portable radio: carry accessories

CP125, CP150, VL130, CT250/CT450/CT450.LS,
SP50/SP50+, P1225/P1225.LS, and GTX



Chest Packs and RadioPAK

These versatile carry accessories fit virtually any radio.

Lightweight and comfortable, each of these packs make an ideal companion for two-way radios.

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. |

Accessory Clamp

- | | |
|----------|---------------------------------------|
| FLN8660A | Accessory Clamp for the GTX Portable. |
|----------|---------------------------------------|



TDN9327A

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.

portable radio: batteries

CP125, CP150, VL130, CT250/CT450/CT450.LS, SP50/SP50+, P1225/P1225.LS, and GTX

Motorola Batteries

Motorola Original batteries are designed to stand up to your demanding work environment and provide reliable power that you can count on.

Batteries

Motorola offers a variety of batteries with different chemistries to best suit your needs help keep your radio fully functioning at all times, so you can rest assured they are ready whenever you need them.

	CP125	
PMNN4063BR	NiMH Battery, 1500 mAh	
PMNN4078AR	Li-ion Battery, 1500 mAh	
	CP150	
NNTN4496AR	NiCD Battery, 1100 mAh	
NNTN4497CR	Li-ion Battery, 1800 mAh	
NNTN4970A	Slim Li-ion Battery, 1600 mAh	
NNTN4851A	NiMH Battery, 1400 mAh	
NNTN4852A	NiMH FM Battery, 1300 mAh	
	VL130	
PMNN4063BR	NiMH Battery, 1300 mAh	
	CT250, CT450, CT450.LS	
PMNN4019AR*	NiMH Battery, 1200 mAh	
PMNN4018AR	NiMH Battery, 1250 mAh	
	SP50, SP50+	
HNN9044AR	NiCD Battery, 550 mAh – Compact radio models	
HNN9018BR	NiCD Battery, 1200 mAh – Standard radio models	
	P1225, P1225.LS	
HNN9049B	NiCD Battery, 1200 mAh	
HNN9050B*	NiCD Battery, 1200 mAh	
HNN9051A	NiMH, 1400 mAh Only compatible with Intellichargers.	
	GTX	
HNN9628B	NiCD Battery, 1200 mAh	
HNN9701B*	NiCD Battery, 1100 mAh	
HNN8133C*	NiCD Battery, 1200 mAh	
WPNN4044AR	NiCD Battery, 1000 mAh	



*Intrinsically Safe.

portable radio: chargers

CP125, CP150, VL130, CT250/CT450/CT450.LS,
SP50/SP50+, P1225/P1225.LS, and GTX



Single-Unit Chargers

Rapid-rate chargers will charge batteries within three hours. 10-hour battery chargers can be used when overnight charging is available.

- VL130**
WPLN4203A 10-Hour Charger Base
- VL130, CP125**
PMTN4087A Single-Unit Rapid Charger Kit
- RLN4940A Slow Desktop Charger Kit
Includes EPNN7997 and WPLN4203.
- PMTN4073A 13-Hour Wall Charger, 120 Volt
- CP125**
PMLN5200A Rapid-Rate Charger Kit with Switch Mode Power Supply,
120 Volt. Includes EPNN9288 and PMTN4086.
- CP125, CP150**
EPNN7997A 10-Hour Plug-in Charger, 120 Volt. Plugs into accessory connector.
For use with NNTN4496AR NiCD battery only.
- CP150**
WPLN4138AR Rapid-Rate Desktop Charger, 120 Volt
- PMLN5193A Rapid-Rate Charger Kit with Switch Mode
Power Supply (Includes EPNN9288A and WPLN4137BR).
- WPLN4155AR 10-Hour Desktop Charger, 120 Volt. Lightweight and compact.
For use with NNTN4496AR NiCD battery only.
- EPNN9288A Rapid-Rate Charger Transformer, 120 Volt. Plugs into accessory connector.
For use with NNTN4496 NiCD battery only.



WPLN4203A



PMTN4087A



RLN4940A



EPNN7997A



WPLN4138AR

portable radio: chargers

CP125, CP150, VL130, CT250/CT450/CT450.LS,
SP50/SP50+, P1225/P1225.LS, and GTX

Single-Unit Chargers - Continued



AAPMTN4038B

CT250, CT450, CT450.LS

Rapid-Rate Charger, 120 Volt

SP50, SP50+

HTN9013B

Rapid-Rate Charger, 120 Volt*

HTN9014B

10-Hour Desktop Charger, 120 Volt*

P1225, P1225.LS, GTX

HTN9042A

Single-Unit Intellicharger™, 120 Volt

VEHICULAR CHARGING BRACKET

HLN9719A

Vehicular Charger Adapter/Bracket, 12 Volt
For use with rapid-rate charger HTN9042A.

HTN8232A

Wall Charging Adapter, 120 Volt**



*Charging adapter HTN8232 is not recommended for SP50 standard models due to charging time of 18-20 hours.
**Charging time: 18-20 hours for standard and 10 hours for compact radios.

portable radio: chargers

CP125, CP150, VL130, CT250/CT450/CT450.LS,
SP50/SP50+, P1225/P1225.LS, and GTX



Multi-Unit Chargers

Our Multi-Unit Chargers charge 1 to 6 batteries simultaneously, with radios or separately. They can be wall or rack mounted and are ideal for multiple shift operations.

- CP150**
WPLN4161AR Rapid-Rate, Multi-Unit Charger, 120 Volt. Supports NiCD, NiMH, and Li-ion chemistries.
- RLN6296A Multi-Unit Charger Conversion Kit. Includes charger base and power supply. Single-unit charger bases must be purchased separately.
- CT250, CT450, CT450.LS**
RLN5218A Rapid-Rate, Multi-Unit Charger, 120 Volt
- SP50, SP50+**
HTN9067B 3 Hour Multi-Unit Charger, 120 Volt
HLN9090B Multi-Unit Charger Conversion Kit, 120 Volt. Includes charger base and power supply. Single-unit charger (HTN9013B) must be purchased separately.
HLN9091A Multi-Unit Charger Conversion Kit, 120 Volt. Includes charger base and power supply. Single-Unit charger (HTN9015B) must be purchased separately.
- P1225, P1225.LS**
HTN9060A 1-Hour Rapid-Rate Charger, 110 Volt. For NiCD batteries only.
- WALL MOUNT BRACKETS**
HLN9293A Wall Mount Bracket for Multi-Unit Charger WPLN4161AR.
HLN9944A Wall Mount Bracket for Multi-Unit Chargers



portable radio: maintenance systems

CP125, CP150, VL130, CT250/CT450/CT450.LS,
SP50/SP50+, P1225/P1225.LS, and GTX



Motorola Conditioning Chargers (MCC)

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

CT250, CT450, CT450.LS

WPLN4107BR Motorola Conditioning Charger Kit, 110 Volt AC. Includes single-unit base and 7 Volt adapter plate.

WPPN4082BR Adapter Plate, 7 Volt

SP50, SP50+,

WPLN4092BR Motorola Conditioning Charger Kit, 110 Volt AC. Includes single-unit base and 7 Volt adapter plate.

WPPN4008BR Adapter Plate, 7 Volt

P1225, P1225.LS,

WPLN4084BR Motorola Conditioning Charger Kit, 110 Volt AC. Includes single-unit base and 7 Volt adapter plate.

WPPN4020BR Adapter Plate, 7 Volt

GTX

WPLN4088CR Motorola Conditioning Charger Kit, 110 Volt AC. Includes single-unit base and 7 Volt adapter plate.

WPPN4005CR Adapter Plate, 7 Volt

CT250, CT450, CT450.LS, SP50, SP50+, P1225, P1225.LS, GTX

WPPN4002BR Base Charge Unit, 110 Volt AC. Order adapter plates separately.

WPPN4065BR Multi-Unit Conditioning Charger, 4-Station Base, 110 Volt. Order adapter plates separately.

Vehicular Mounting

CT250, CT450, CT450.LS, SP50, SP50+, P1225, P1225.LS, GTX

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.

3080384G15 Vehicular Power Adapter



portable radio: maintenance systems

CP125, CP150, VL130, CT250/CT450/CT450.LS,
SP50/SP50+, P1225/P1225.LS, and GTX



Battery Maintenance Systems^{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).

CT250, CT450, CT450.LS, SP50, SP50+, P1225, P1225.LS, GTX

- WPLN4079BR 6-Station BMS^{PLUS}, 110 Volt AC, 50/60 Hz, US Plug
WPLN4085BR BMS^{PLUS} Li-ion Field Upgrade Kit. Upgrades WPLN4079BR, Allows units to support Li-ion batteries.
NDN4005B 3-Station BMS^{PLUS}, 110 Volt AC, 50/60 Hz. Does not support Li-ion or 3-cell batteries.

CT AND SP50 SERIES ADAPTERS

- WPPN4083AR Adapter. Compatible with NiCD and NiMH batteries. Note: If used with TDN9430, requires Upgrade Kit CDN6142A.

P1225 ADAPTERS

- CDN6353A Adapter, 7.5 Volt, 110 mAh
For HNN9049A and HNN9050A batteries

GTX ADAPTERS

- TDN9437A Adapter. For use with HNN9701A batteries.
TDN9662A Adapter. For use with HNN9628A batteries.
TDN9438A Adapter. For use with HNN8308A/HNN9808B batteries.

NOTE: Compatible with STAR Micronics SP200 series printers and printers with STAR printer emulation. STAR Micronics printers available at STAR Micronics distributors.



WPLN4079BR



NDN4005B

portable radio: chargers

CP125, CP150, VL130, CT250/CT450/CT450.LS,
SP50/SP50+, P1225/P1225.LS, and GTX



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.

- 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
- 100W 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

CT250, CT450, CT450.LS, SP50, SP50+, P1225, P1225.LS, GTX

WPLN4124BR BOS II, 4-Station, 90-264 Volt AC, US Plug. Adapter Plates Required.

BOS BATTERY ADAPTERS

- RL-71292 Standard Adapter
For 'BOS' Battery Optimizer System only. To be used with model WPLN4071AR.
Fits: SP50
- RL-75830 Standard Adapter
For 'BOS' Battery Optimizer System only. To be used with model WPLN4071AR.
Fits: P1225, P1225.LS

Travel Charger

A great traveling companion that ensures constant communication while on the road. Allows rapid charging of the battery while using the radio. Users can talk immediately once the charger is connected and transmit from a previously "dead" battery in just 5 minutes. Includes voltage regulated adapter, custom charger base, mounting bracket and coil cord. Compatible with P1225, GP300, GTX, LTS2000 and P110 radios.

P1225, P1125.LS, GTX

- RLN4833A Vehicular Charger
- RLN5914A Universal Mounting Bracket for RLN4833A. Includes screws and nylon cord.

TRAVEL CHARGER TRANSFORMER

- 2580600E05 Transformer, US, 120 Volt



RLN4833A

portable radio: antennas

CP125, CP150, VL130, CT250/CT450/CT450.LS,
SP50/SP50+, P1225/P1225.LS, and GTX



Antennas

These antennas are sturdy and dependable for years of fail-safe communication.

VHF ANTENNAS

CP125, VL130

PMAD4027A	VHF 136-155 MHz, Helical Antenna – 15cm
8504762J02	VHF 155-174 MHz, Helical Antenna – 14cm
PMAD4012A	VHF 136-155 MHz, Stubby Antenna – 9cm
PMAD4013A	VHF 155-174 MHz, Stubby Antenna – 9cm
NAD6502AR*	VHF 150-162 MHz, Heliflex Antenna

CP150, SP50, SP50+, P1225, P1225.LS

NAD6502AR**	VHF 150-162 MHz, Heliflex Antenna
HAD9742A**	VHF 146-162 MHz Stubby Antenna – 9cm
HAD9743A**	VHF 162-174 MHz Stubby Antenna – 8cm

CT250, CT450

PMAD4012A	VHF 136-155 MHz Stubby Antenna – 9cm
PMAD4025A	VHF 150-161 MHz Stubby Antenna – 9cm
PMAD4013A	VHF 155-174 MHz Stubby Antenna – 9cm

UHF ANTENNAS

CP125, VL130

PMAE4003A	UHF 430-470 MHz, Stubby Antenna – 9cm
PMAE4011A	UHF 435-480 MHz, Stubby Antenna – 10cm
NAE6483AR*	UHF 403-520 MHz, Whip Antenna

CP150, P1225, P1225.LS

NAE6483AR**	UHF 403-520 MHz Whip Antenna
NAE6522AR**	UHF 438-470 MHz Heliflex Stubby Antenna – 8cm
8505816K26**	UHF 470-512 MHz Heliflex Stubby Antenna – 8cm

CT250, CT450

PMAE4002A	UHF 403-430 MHz Stubby Antenna – 9cm
PMAE4003A	UHF 430-470 MHz Stubby Antenna – 9cm

CT450

PMAE4003A	UHF 430-470 MHz Stubby Antenna – 9cm
PMAE4006A	UHF 465-495 MHz Stubby Antenna – 9cm
PMAE4007A	UHF 490-512 MHz Stubby Antenna – 9cm
PMAE4008A	UHF 470-530 MHz Stubby Antenna – 9cm

P1225, P1225.LS

8505816K24	UHF 403-430 MHz Heliflex Stubby Antenna
HAD9338BR	VHF 136-150.8 MHz Heliflex Antenna
HAD9728B	VHF 146-174 MHz Antenna Kit

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.

CT250, CT450

8504762J01	VHF 136-155 MHz Flexible Whip Antenna – 14cm
NAD6579A	VHF 148-161 MHz Flexible Whip Antenna – 19cm
PMAD4023A	VHF 150-161 MHz Flexible Whip Antenna – 14cm
8504762J02	VHF 155-174 MHz Flexible Whip Antenna – 14cm
NAE6483AR	UHF 403-520 MHz Flexible Whip Antenna – 14cm

CT450.LS, SP50, SP50+, P1225, P1225.LS

NAE6483AR	UHF 403-520 MHz Flexible Whip Antenna – 14cm
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GTX

8505241U03	Flexible Whip Antenna, 806-870 MHz
8505241U04	Flexible Whip Antenna, 896-941 MHz
8505241U06	Flexible Whip Antenna, Stubby, 896-941 MHz Broadband, operates in 800/900 MHz band.

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.



*Intrinsically Safe

**Intrinsically Safe with PR400 only.

mobile radio: microphones and accessories

GTX Mobile, M1225



Microphones and Accessories

GTX MOBILE

- HMN3413A Standard Compact Microphone
- HMN3220B Compact Microphone with Hang Up Kit
- HMN4016A Noise Cancelling Microphone, screens out background noise. GTX Privacy Plus only.
- HMN3013A Non-Backlit Full Size Keypad Microphone

M1225

- HMN3001A Compact Microphone with LED Indicator. Includes 10-foot cord and hang-up clip.
- HMN3008A Compact Microphone. Includes 10-foot cord and hang-up clip.
- HMN3174B Compact Microphone with TX LED Indicator. Includes 7-foot coil cord and hang-up clip.
- HLN9559A 7-Foot Extended Coil Cord for Heavy-Duty Microphones
- HLN9560A 10.5-Foot Coil Cord for Microphones

GTX MOBILE, M1225

- AAREX4617A Telephone-Style Handset
- HMN1035C Heavy-Duty Palm Microphone. Comes with 10.5 foot coil cord.
- HLN9073B Microphone Hang-Up Clip. Compatible with all microphones.
- HLN9414A Universal Hang-Up Clip. Compatible with all microphones.

Mic Jackets

Mic Jackets provide protection to the "head" of the mobile microphone, helping to keep it free from dust, dirt, metal particles and other on-the-job grime.

M1225

- RLN5023A Mic Jacket Kit. Compatible with HMN3174B.
- RLN5014A Mic Jacket Kit. Compatible with HMN1035C.
- RLN5018A Mic Jacket Kit. Compatible with HMN3008A.

Vehicular Power Adapter

M1225

- HKN9407A Vehicular Power Adapter. For models operating at 25W only.



Installation Accessories

- M1225**
- HKN4137A 16-Pin Conductor Cable. Low power cable to battery.
 - HKN9327BR Ignition Switch Cable with Housing Connector
 - HKN9557A PL259/Mini-U Antenna Adapter – 8 Inch cable
Not recommended for 800 MHz.
 - 2880376E84 Mini-U Connector – For all bands.
 - HLN8027A Mini-UHF to BNC Adapter
 - HLN9242A 16-Pin Accessory Kit with Expanded Connector
Allows existing 16-pin connector accessories to be modified for enhanced connector reliability. Includes 9 wires with lugs, 1 connector housing 16 crimping terminals, 2 tie straps and 1 extraction tool.

Mounting Accessories

- M1225**
- HLN9617A Key Lock Mounting Bracket
 - HLN9154A Non-Locking Bracket – Standard
 - HLN9227A 8 Inch Goose Neck Mounting Bracket
 - HLN9162A 5 Inch Goose Neck Mounting Bracket
 - HLN9179A Quick Release Mounting Bracket
 - HLN9408A Gooseneck Decor Sleeve
Used to cover gooseneck and wires.
 - HLN9534A Right Angle Mini-UHF Connector
 - HLN9573B Shorting Plug Kit for Microphone Jack
Covers microphone jack when radio is used as desk set.

Control Station Accessories

- GTX MOBILE**
- HLN3067A Low Power Control Station Package
Converts the GTX mobile for desktop use. Includes adapter cable, base tray, black desk microphone, and power supply.
 - GLN7317A Non-locking Bracket
 - GLN7318A Desktop Tray without Speaker. For securing mobile in place.
 - HLN6405A Rubber Desk Tray without Speaker. Low power.
 - HPN4008B Control Station Power Supply, 1-25W.
- M1225**
- HPN9012A Control Station Power Supply, 1-25W. 115 Volt AC only. For 25W mobiles only. No control station cable needed.
 - HPN8393D Control Station Power Supply, Up to 45W. 115/230 Volt AC only. Also compatible with GR300/GR400 repeaters.
 - HLN9226C Mobile Holder. Attaches mobiles to power supply.
- GTX MOBILE, M1225**
- RMN5068A Desktop Microphone. Black.
 - HKN9088B Mobile Mini-U Antenna Adapter. 8-foot cable.

HKN9327BR



HPN8393D



HLN6405A



GLN7317A



GLN7318A



RMN5068A



mobile radio: speakers and antennas

GTX Mobile, M1225

External Speakers and Public Address Systems



FSN5510A

- GTX MOBILE**
- HSN9326A External 5W Speaker. Requires 16-pin connector.
- FSN5510A External 7.5W Speaker

- M1225**
- HLN3145CR Public Address Kit. Requires HSN1006A. Include cables for connection to public address box to speaker cables.
- HKN9324AR 15-Foot Public Address/Speaker Cable. One cable needed per speaker.
- HSN1006A 6W Amplified External Speaker for Public Address. Minimum of 1 speaker required.
- HSN9008A 7.5W External Speaker with Accessory Connector Provides higher output receiver audio.

Alarm Accessories

- GTX MOBILE**
- GKN6272AR External Alarm Relay Cable Kit
- M1225**
- HLN9328C External Alarm Relay Cable – Horn and Lights

Remote Mount Cable

- GTX MOBILE**
- HKN4191B 10-Foot, Low/Mid Power Remote Mount Cable

Through-Hole Mount Antennas

- GTX MOBILE**
- 800 MHz ANTENNAS**
- HAF4002A 806-900 MHz 1/4 Wave
- RRA4914B 806-900 MHz 3dB Stainless Steel
- RRA4990A 809-900 MHz 3dB Black Chrome
- RRA4983A 806-900 MHz 3dB Stainless Steel, Low Loss Cable
- RRA4986A 806-900 MHz 3dB Black Chrome, Low Loss Cable
- 900 MHz ANTENNAS**
- RRA4935A 890-960 MHz 3dB Antenna with 14 foot Cable
- RAF4003ARM 890-960 MHz 3dB Antenna with 22 foot Low Loss Cable
- ANTENNA ADAPTERS**
- HKN9557A Mini UHF to UHF Adapter Cable
- 2880376E84 Mini UHF Antenna Connector
- HLN8027A Mini UHF to BNC Connector Antenna

Antenna Mounts

- GTX MOBILE**
- 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 Through-Hole Mount with 17 ft. of RG58A/U Cable, Mini-UHF Crimp



RRA4935A

HAF4002A



3080384M48



Low Profile Antennas

The following antennas are Through-Hole Mount Antennas.

GTX MOBILE

UHF ANTENNAS

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

VHF ANTENNAS

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

800 MHz ANTENNAS

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

Low Profile Antenna Kits: Through-Hole Mount Antennas

These complete kits make installation easy for multipoint mobile applications. All kits include a 3/4 inch brass mount with 17 feet of RG58U/U cable.

GTX MOBILE

UHF ANTENNAS

RAE4162ARB	White 410-430 MHz 3dB Gain
RAE4163ARB	Black 410-430 MHz 3dB Gain
RAE4164ARB	Black 430-450 MHz 3dB Gain
RAE4165ARB	White 430-450 MHz 3dB Gain
RAE4166ARB	Black 470-490 MHz 3dB Gain
RAE4167ARB	White 450-470 MHz 3dB Gain
RAE4168ARB	Black 450-470 MHz 3dB Gain

VHF ANTENNAS

RAD4207ARB	White 150-168 MHz Unity Gain
RAD4208ARB	Black 150-168 MHz Unity Gain
RAD4209ARB	Black 142-160 MHz Unity Gain
RAD4210ARB	White 142-160 MHz Unity Gain

800MHz ANTENNAS

RAF4217ARB	White 821-896 MHz 3dB Gain
RAF4218ARB	Black 821-896 MHz 3dB Gain
RAF4219ARB	Black 806-866 MHz 3dB Gain
RAF4220ARB	White 806-866 MHz 3dB Gain

M1225

VHF ANTENNAS

HAD4006A	136-144 MHz 1/4 Wave
HAD4007A	144-152 MHz 1/4 Wave
HAD4008A	152-162 MHz 1/4 Wave
HAD4009A	162-174 MHz 1/4 Wave
RAD4014ARB	136-174 MHz 3dB Magnetic Mount

UHF ANTENNAS

HAE4003A	450-470 MHz 1/4 Wave
HAE4004A	470-512 MHz 1/4 Wave
HAE4011A	450-470 MHz 3.5dB Gain
HAE4012A	470-494 MHz 3.5dB Gain
RAE4004ARB	450-470 MHz 5dB Gain
RAE4004AMB	440-470 MHz 5dB Gain Magnetic Mount

ANTENNA ADAPTERS

HKN9557A	Mini UHF to UHF Adapter Cable
2880376E84	Mini UHF Antenna Connector
HLN8027A	Mini UHF to BNC Connector RG58A/U Cable, Mini-UHF Crimp



Legacy Portable Radios Accessory Matrix

ITEM NO.	DESCRIPTIONS	SP21	GP350	GP300
Remote Speaker Microphones				
HMN9051A	Remote Speaker Microphone with Coiled Cord and Swivel Clothing Clip	X		
HMN9031A	Remote Speaker Microphone with Coiled Cord and Swivel Clothing Clip		X	
PMMN4013A	Remote Speaker Microphone with 3.5mm Audio Jack			X
Ear Microphones and Accessories				
HMN9047A	Ear Microphone with Voice Activated and Push-to-Talk Interface Module		X	
HMN9048A	Ear Microphone with Push-to-Talk Interface Module		X	
BDN6706B	Ear Microphone with Voice Activated and Push-to-Talk Interface Module			X
BDN6646C	Ear Microphone with Push-to-Talk Interface Module			X
0180358B33	Medium Earholder for Ear Microphone System (EMS)		X	X
0180300E83	Body Switch Push-to-Talk for Ear Microphone System (EMS)		X	X
0180358B38	Ring Switch Push-to-Talk for Ear Microphone System (EMS)		X	X
Audio Earpieces and Accessories				
BDN6720A	Flexible Ear Receiver, Black - Earpiece, GP350 requires Audio Adapter HLN9482.		X	X
HMN9040A	Flexible Ear Receiver, Black - Earpiece	X		
HMN9727B	Receive-Only Earpiece, Beige			X
HMN8433A	Receive-Only Earpiece	X		
HMN9043A	Receive-Only Earpiece		X	
HMN9752B	Receive-Only Earpiece with Volume Control, Beige			X
RLN4894A	Receive-Only Earpiece, Black (1-wire)			X
HMN9042A	Receive-Only Earpiece		X	
BDN6774A	Ultra-Light Earpiece with Boom Microphone and In-Line Push-to-Talk	X		
PMMN4001A	Ultra-Light Earpiece with Boom Microphone and In-Line Push-to-Talk. GP350 requires Audio Adapter HLN9482.		X	X
RLN5317A	2-Wire Comfort Earpiece with Combined Microphone and Push-to-Talk, Beige GP350 requires Audio Adapter HLN9482.		X	X
RLN5318A	2-Wire Comfort Earpiece with Combined Microphone and Push-to-Talk, Black GP350 requires Audio Adapter HLN9482.		X	X
HMN9754D	Earpiece with Microphone and Push-to-Talk Combined, Beige, (2-wire)			X
RLN4895A	Earpiece with Microphone and Push-to-Talk Combined, Black, (2-wire)			X
5080384F72	Replacement Foam Plugs - Pack of 50. For use with NTN8370, Noise Reduction Rating = 24dB.	X	X	X
5080370E97	Replacement Rubber Eartips - Pack of 25.	X	X	X
RLN4922A	Completely Discreet Earpiece Kit		X	X
HLN9482A	Audio Accessory Adapter. Allows GP350 radio to use GP300 accessories.		X	
HLN8096A	Audio Accessory Security Clamp			X
Headsets and Accessories				
RLN5411A	Ultra-Light Headset, Behind-the-Head with In-Line Push-to-Talk and Boom Microphone. GP350 requires Audio Adapter HLN9482.		X	X
RLN5238B	NFL Style, Single Muff, Lightweight Headset. GP350 requires Audio Adapter HLN9482.		X	X
RMN5047A	NFL Style, Single Muff, Heavy-Duty Headset. GP350 requires Audio Adapter HLN9482.		X	X
HMN9013B	Lightweight, Single Muff, Adjustable Headset with Swivel Boom Microphone. GP350 requires Audio Adapter HLN9482.		X	X
HMN9046A	Lightweight, Adjustable Headset with Swivel Boom Microphone		X	
BDN6773A	Lightweight, Adjustable Headset with Swivel Boom Microphone	X		
HMN9021A	Medium Weight, Dual Muff Headset, Over-the-Head. Noise Reduction Rating = 24dB. GP350 requires Adapter HLN9482.		X	X
HMN9022A	Medium Weight, Dual Muff Headset, Behind-the-Head. Noise Reduction Rating = 24dB. GP350 requires Adapter HLN9482.		X	X
BDN6647G	Medium Weight, Single Muff Headset with Boom Microphone. GP350 requires HLN9482 Adapter.		X	X
BDN6648C	Heavy-Duty Headset with Noise-Cancelling Boom Microphone, Behind-the-Head Style Noise Reduction Rating = 24dB. GP350 requires Audio Adapter HLN9482.		X	X
RMN5015A	Racing Headset. Noise Reduction Rating = 24dB. Requires Adapter Cable RKN4090.			X
RKN4090A	Adapter Cable for Racing Headset RMN5015			X
REX4648A	Replacement Foam Earpad and Windscreen Kit for BDN6773, RMN4016 and HMN9013.	X	X	X
5080371E66	Replacement Ear Pads. For use with BDN6647.		X	X
3580371E59	Replacement Windscreen for Boom Microphone. For use with BDN6647.		X	X
RMN4051B	Two-way Hard Hat Mount Headset. Noise Reduction = 22dB. GP300 Requires RKN4094, GP350 Requires RKN4096A.		X	X
RMN4052B	Noise-Cancelling Tactical Headband Style Headset. Noise Reduction = 24dB. GP300 Requires RKN4094, GP350 Requires RKN4096A.		X	X
RMN4053B	Noise-Cancelling Tactical Hard Hat Mount Headset. Noise Reduction = 22dB. GP300 Requires RKN4094, GP350 Requires RKN4096A.		X	X
RKN4094A	Adapter Cable. Required for use with RMN4051, RMN4052 and RMN4053 - For GP300 radios.			X
Carrying Cases				
HLN9416A	Nylon Carrying Case with Belt Loop		X	X
HLN9323A	Standard Leather Carrying Case with Swivel		X	
HLN9720A	Standard Leather Carrying Case with Belt Loop and D-Rings			X
HLN9873A	Standard Leather Carrying Case with Swivel and D-Rings			X
HLN9417A	Leather Carrying Case with Belt Loop and D-Rings		X	
HLN9009A	Leather Carrying Case with Swivel and D-Rings. For fully approved FM 1200 mAh battery.			X
HLN8411A	DTMF Leather Carrying Case with Swivel and D-Rings			X
HLN9011A	DTMF Leather Carrying Case with Swivel and D-Rings. For fully approved FM 1200 mAh battery.			X
HLN9420A	DTMF Standard Leather Carrying Case with Belt Loop		X	



ITEM NO.	DESCRIPTIONS	SP21 GP350 GP300		
		SP21	GP350	GP300
Carrying Accessories				
4200865599	1.75" Wide Leather Belt - For all models	X	X	X
HLN8052A	Wrist Strap			X
NTN5243A	Shoulder Carrying Strap			X
HLN9084A	Replacement Strap for Molded Holder HLN9076B			X
HLN9973A	Replacement Strap for Leather Carrying Cases		X	X
HLN9974B	Replacement Strap for Leather Carrying Cases	X	X	X
HLN9076B	Molded Carrying Holder with 3" Spring Action Belt Clip			X
HLN9985B	Waterproof Bag - Includes Large Carrying Strap	X	X	X
HLN9724A	2.5" Belt Clip			X
HLN8255B	3" Spring Action Belt Clip	X	X	X
PMLN4124A	Replacement Belt Clip	X		
NTN5533A	Replacement Belt Clip 3"			X
TDN1002A	Swivel Belt Loop - Includes holster, belt and strap			X
HLN9035A	Replacement Swivel Belt Loop 2.5"			X
HLN8039A	Replacement Swivel Belt Loop 2.5"		X	
NTN8040B	Replacement Swivel Belt Loop 3"		X	X
TDN1003A	Replacement/Spare Swivel Button			X
HLN6602A	Universal Chest Pack with Radio Holder, Pen Holder and Velcro Secured Pocket	X	X	X
RLN4570A	Break-A-Way Chest Pack	X	X	X
1505596202	Replacement Strap for HLN6602A and RLN4570A	X	X	X
RLN4815A	Universal RadioPAK with Radio Holder - With adjustable belt.	X	X	X
4280384F89	Universal RadioPAK Belt Lengthener; for waists larger than 40"	X	X	X
TDN9327A	Portable Radio Hanger for door panels up to 2.75"		X	X
TDN9373A	Portable Radio Hanger for door panels 2.75" to 3.25"		X	X
Batteries				
HNN9361B	NiCD, 1000 mAh, 7.5 Volt - Intrinsically Safe (FM)			X
HNN9701B	NiCD, 1100 mAh, 7.5 Volt - Intrinsically Safe (FM)			X
HNN9360C	NiCD, 1200 mAh, 7.5 Volt		X	
HNN9628B	NiCD, 1200 mAh, 7.5 Volt			X
HNN9044AR	NiCD, 550 mAh, 7.2 Volt	X		
HNN8133C	NiCD, 1200 mAh, 7.5 Volt - Intrinsically Safe (FM)			X
WPNN4044AR	NiCD, 1000 mAh, 7.5 Volt			X
Battery Eliminators				
HKN8036B	Vehicular Battery Eliminator - Utilizes vehicle battery for power.			X
HLN9452A	Vehicular Battery Eliminator		X	
Battery Maintenance Systems				
WPLN4079BR	Battery Maintenance System Plus (BMS+), 110 Volt AC, 50/60 Hz 6-Station Reconditioner charges and discharges, analyzes, conditions, cycle tests, and more. Supports NiCD, NiMH and Li-ion batteries. Adapter plates sold separately.	X	X	X
NDN4005B	3-Station, 110 Volt AC, 50/60 Hz. Not for Li-ion or 3 cell batteries.	X	X	X
TDN9437A	BMS Battery Adapter. For WPLN4079BR.			X
TDN9438A	BMS Battery Adapter. For HNN8308A and HNN9808B.			X
TDN9447A	BMS Battery Adapter. For HNN9044 batteries.	X		
TDN9662A	Adapter. For use with HNN9628A.			X
WPPN4085AR	BMS Field Upgrade Kit - Allows units to support Li-ion batteries. For use with WPLN4079AR, WPLN4080AR and WPLN4081AR.		X	X
WPLN4124BR	BOS II, 4-Station, 90-264 Volt AC (US). Adapter plates required.	X	X	X
RL-71883	Standard Adapter. For GP300, GP350 radios.		X	X
RL-71292	Standard Adapter. For SP21 radios.	X		

ITEM NO.	DESCRIPTIONS	SP21 GP350 GP300		
		SP21	GP350	GP300
Chargers				
HTN9042A	Single-Unit Intellicharger, 120 Volt 90 minute charge time for NiCD and NiMH batteries.		X	X
HTN9060A	6-Unit, 90-Minute Rapid-Rate Charger, 120 Volt For use with NiCD and NiMH batteries only.		X	X
HLN9405B	6-Unit Charger Conversion Kit, 120 Volt, for use with HTN9042		X	X
HTN9026CR	Single-Unit Charger, 3 Hour Rapid-Rate, 120 Volt	X		
HTN8232A	Wall Charging Adapter, Standard Rate, 120 Volt 18-20 hours for standard models and 10 hours for compact.	X		
HTN9295B	Multi-Unit Charger Conversion Kit Accommodates up to 6 HLN8371 or HTN9026, sold separately.	X		
HLN9113A	Desktop Charger Converter Kit. Compatible with HLN8371 and HTN9026.		X	X
HLN9293A	Wall Mounting Bracket for 90-Minute Multi-Unit Charger For GP300, use with HTN9060 and HTN9061.		X	X
Motorola Conditioning Chargers				
WPPN4065BR	4 Station Conditioning Charger. 110 Volt, Base only. Requires adapter plates, sold separately.		X	X
3080384G15	Vehicular Power Adapter for Single and Multi Unit Chargers.		X	X
WPPN4002BR	Base Charge Unit Only, 110 Volt AC		X	X
WPLN4088CR	Motorola Conditioning Charger - 60 minute rapid charge. Includes 7.2 Volt Base, 110 Volt AC, adapter plate and transformer.			X
WPLN4094AR	Motorola Conditioning Charger Kit, 110 Volt AC Includes base unit and 7 Volt adapter.		X	
WPPN4005CR	Adapter Plate Only - For Conditioning Charger.			X
WPPN4007BR	Adapter Only, 7 Volt		X	
Vehicular Chargers				
RLN4814A	DC Hard Wire Cable Kit		X	X
3080384M21	DC Hard Wire Cable - For Vehicular Installation Included with RLN4814A.		X	X
HLN9719A	Vehicular Charger Adapter/Bracket, 12 Volt. For use with HTN9042, HTN9043, HTN9044. Charger Base HTN9886, without transformer, sold separately.		X	X
RLN4833A	Travel Charger		X	X
2580600E05	Transformer, 120 Volt, (US)			X
HLN8251A	3-Hour Vehicular Charger Adapter Bracket, 12 Volt - For HTN9026.	X		
Antennas				
HAD9338BR	VHF Heliflex Antenna, 136-150.8 MHz	X		X
NAD6502AR	VHF Heliflex Antenna, 150-162 MHz		X	X
HAD9742A	VHF Stubby Antenna, 146-162 MHz	X	X	X
HAD9743A	VHF Stubby Antenna, 162-174 MHz		X	X
HAD9728B	Tunable Antenna Kit, 136-174 MHz		X	X
NAE6483AR	UHF Whip Antenna, 403-520 MHz	X	X	X
8505816K24	UHF Heliflex Antenna, Red, Molded, 403-433 MHz		X	X
8505816K25	UHF Heliflex Antenna, Green, Molded, 440-470 MHz		X	
8505816K26	UHF Heliflex Stubby Antenna, Black, Molded, 470-512 MHz		X	X

Legacy Mobile Radios Accessory Matrix

ITEM NO.	DESCRIPTIONS	SM50		M208	
		SM120	M130	GM300	M216
Microphones					
HMN3001A	Compact Microphone with LED Indicator, 10-ft Coil Cord and Hang-up Clip	X	X		
HMN3008A	Compact Microphone with LED Indicator, 7-ft Coil Cord and Hang-up Clip	X			
HMN3174B	Compact Microphone with TX LED Indicator, 7-ft Coil Cord and Hang-up Clip	X			
HMN1035C	Heavy-Duty Palm Microphone with 10.5-ft Coil Cord	X	X	X	X
AAREX4617A	Telephone Style Handset with Hang-up Cup	X	X	X	X
HMN3596A	Compact Palm Microphone with 7-ft Coil Cord		X	X	
HMN1037B	Non-Backlit Touch-Code Microphone with Hang-up Clip			X	X
HMN1056D	Compact Palm Microphone with 7-ft Coil Cord				X
Microphone Accessories					
RLN5023A	Mic Jacket Kit - Compatible with HMN3174	X			
RLN5014A	Mic Jacket Kit - Compatible with HMN1035			X	X
RLN5015A	Mic Jacket Kit - Compatible with HMN1056				X
RLN5016A	Mic Jacket Kit - Compatible with HMN1037			X	X
RLN5018A	Mic Jacket Kit - Compatible with HMN3596			X	
HLN9559A	7-ft Replacement Coil Cord - For HMN1056 and HMN1035	X	X	X	
HLN9560A	10.5-ft Extended Replacement Coil Cord for Heavy-Duty Microphones	X	X	X	
HLN9073B	Microphone Hang-Up Clip - For all Microphones	X	X	X	X
HLN9414A	Universal Hang-Up Clip - For all Microphones	X	X	X	X
General Accessories					
HLN9457A	Hardware Kit - For use with Expanded Accessory Connector Includes 16 connector pins, (5) 8" wires with pins attached and extra housing.		X	X	X
HLN9573A	Shorting Plug Kit for Microphone Jack - Used when application calls for desktop set-up, covers microphone jack.		X	X	X
HLN8375A	DTMF Decoder Board			X	
REX4126A	5 Button - Dust proof, pack of 5.				X
HKN9407A	Vehicular Power Adapter - Available for mobiles operating at 25W only.	X			
External Speakers					
HSN9008A	7.5 Watt External Speaker with Accessory Connector	X			
HSN8145B	7.5 Watt External Speaker - For receiver audio.		X	X	
Control Station Accessories					
HPN9012A	1-25 Watt Power Supply, 115 Volt AC - For 25W mobiles only, control station cable not required.	X			
HPN8393D	Up to 45 Watt Power Supply, 115/230 Volt AC - Also used with GR300/GR400 Repeaters.	X			
RMN5068A	Desktop Microphone, Black	X			X
HLN9226C	Mobile Holder - Attaches mobile radio to power supply.	X			
HKN9088B	Mobile Mini-UHF Antenna Adapter - 8-ft cable	X	X	X	X
HKN4139A	Power Cable for Low Power Control Station - For 1-45W models, for Control Stations shipped before 4/1993.		X	X	
HLN3199C	High Power Control Station Package - For 25-60W models.		X	X	X
HKN9455A	Power Cable for High Power Control Station - For 25-60W models, for Control Stations shipped before 4/1993.		X	X	X
HPN4008B	Power Supply and Cable, 1-25W		X	X	
HPN4007C	Power Supply and Cable, 25-60W		X	X	X
HLN5292BR	Base Station Tray		X	X	X
Mounting Accessories					
HLN9617A	Key Lock Mounting Bracket	X			
HLN9154A	Non-Locking Bracket - Standard with SM Series radios.	X			
HLN9162A	5" Goose Neck Mounting Bracket	X			
HLN9227A	8" Goose Neck Mounting Bracket	X			
HLN9179A	Quick Release Mounting Bracket	X			
HLN9408A	Gooseneck Decor Sleeve - Used to cover gooseneck and wires.	X			
HLN9284A	Key Lock Mounting Bracket		X	X	
HLN5189A	Non-Locking Bracket		X	X	
HLN9404AR	Sleeve Mounting Bracket		X	X	X
HLN9450A	45-60 Degree Floor Mount Wedge. M130/GM300 requires HLN9404 or HLN9100. M208/M216 requires HLN9404.		X	X	X
HLN9100B	Three Point Mounting Bracket - For use with HLN9450.		X	X	
HLN5226B	Extra Stability Mount for M130/GM300 - For use with HLN5189.		X	X	
HLN9027A	In-Dash Bezel Mounting Tray		X	X	

ITEM NO.	DESCRIPTIONS	SM50		M208	
		SM120	M130	GM300	M216
Installation Accessories					
HKN4137A	Low Power Cable to Battery	X	X	X	
HKN9019A	16-Pin Conductor Cable - Same as HKN9969, 3-ft long enhanced connector.	X			
HKN9327BR	Ignition Switch Cable with Housing Connector - Requires HLN9242 connector.	X	X	X	X
HKN9557A	PL259 Mini-UHF Antenna Adapter, 8" cable - Not recommended for use with 800 MHz.	X	X	X	X
2880376E84	Mini-UHF Connector - For all bandwidths.	X	X	X	X
HLN8027A	Mini-UHF to BNC Adapter	X	X	X	
HLN9242A	16-Pin Accessory Kit with Expanded Connector Allows 16-pin connector accessories to be modified for use with SM Series mobiles. Includes 9 wires with lugs, 1 connector housing, 16 crimping terminals, 2 tie straps and 1 extraction tool.	X			
HKN4191B	High Power Cable to Battery		X		X
Public Address Accessories					
HKN9324AR	15-ft Public Address/Speaker Cable - One cable per speaker.		X	X	
HSN1006A	6 Watt Amplified External Speaker - For public address audio, minimum of 1 required.		X	X	
HSN9326A	5 Watt External Speaker for Receiver Audio. Requires 16-pin options connector.				X
Alarm Accessories					
HLN9328C	External Alarm Relay Cable - Horn and lights.	X	X	X	X
RLN5132A	Emergency Push Button Alarm Cable			X	X
HLN9330B	Emergency Foot Switch Alarm Cable - For GM300 16 channel radio only.			X	X
Through-Hole Mount Antennas					
HAD4006A	136-144 MHz 1/4 Wave	X		X	
HAD4007A	144-152 MHz 1/4 Wave	X	X	X	
HAD4008A	152-162 MHz 1/4 Wave	X	X	X	
HAD4009A	162-174 MHz 1/4 Wave	X	X	X	
RAD4010ARB	136-174 MHz 3dB Gain	X	X	X	
RAD4000AMB	136-174 MHz 3dB Gain	X			
HAE4002A	403-430 MHz 1/4 Wave			X	
HAE4003A	450-470 MHz 1/4 Wave	X	X	X	
HAE4004A	470-512 MHz 1/4 Wave	X	X	X	
HAE4010A	406-420 MHz 3.5dB Gain			X	
HAE4011A	450-470 MHz 3.5dB Gain		X	X	
HAE4012A	470-495 MHz 3.5dB Gain		X	X	
HAE4013A	494-512 MHz 3.5dB Gain		X	X	
RAE4004ARB	450-470 MHz 5dB Gain		X	X	
RAB4002ARB	29.7-36 MHz 1/4 Wave, Base Loaded				X
RAB4003ARB	36-42 MHz 1/4 Wave, Base Loaded				X
RAB4004ARB	42-50 MHz 1/4 Wave, Base Loaded				X

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