

Frank Boykin

From: Joseph McGee
Sent: Tuesday, December 30, 2014 1:49 PM
To: frank@ccsilk.com
Cc: frank@owenscommunications.com
Subject: APX Accessories ECAT

2-WAY RADIO ACCESSORIES

APX 6000, 6000XE, 6000Li, 7000, 7000XE & SRX 2200 Product Series Radios

NOTE: otherwise stated please assume any accessories are compatible with all of the products listed above

[Ship Card](#)

General Information

The APX P25 mission critical two-way radio series redefines safety in portable communication. From the fire line to the factory line, APX puts the right devices into the hands of the right user. Every feature and function is designed with its users in mind - from the rugged, easy to operate design to the loudest, clearest audio. The result is the ability to keep your people and community safer than ever before.

Extend the power and reliability of your radio with the only complete line of accessories designed, tested and certified for optimal performance with APX portables. This flexible portfolio offers solutions that meet your customers' specific needs. This includes a robust and complete portfolio of remote speaker microphones including the XE Remote Speaker Microphone which has been designed specifically for harsh conditions for the fireground. And the APX Mission Critical Wireless portfolio delivers best-in-class Bluetooth® wireless designed specifically for first responders. While our IMPRES smart battery and charger solutions ensure your responders have a battery that is ready to go at the moment they need it.

Every Motorola battery, charger, audio accessory, carry case and antenna is best-in-class technology, designed and optimized specifically for your APX portable.

[Two-Way Radio Accessories Home Page](#)

[APX Accessory & Energy Catalog](#)

[Battery Warranty](#)

[Battery Storage, Handling & Care Tips](#)

Note: many of the below categories contain hyperlinks. External links need to be opened in a New Tab or New Window

2-Way Radio Accessories

Adapters

Description
 APX SURVEILLANCE KEYLOAD A
 APX FPP HW KEY (DONGLE)
 AUDIO ACCY ADPT 3.5MM W/PTT

Nomenclature **APC** **Price**
 NNTN7869A 742 \$65.00
 NNTN7526 655 \$37.00
 BDN6783B 795 \$73.00

Antennas

Description
 APX 7000 700/800- GPS ANTENNA
 ANT 1/4 WAVE 7/800 STUBBY

Nomenclature **APC** **Price**
 NAF5085A 555 \$45.00
 NAR6595A 555 \$29.00

PSM is tested and certified to use antenna NAR6595 for 700/800 MHz on APX 6000/XELI and APX 7000/XE. When a PSM is attached to APX 7000 U1/7/8 or U2/7/8 (dual band); UHF frequencies- RF will not route to the PSM antenna port; RF will route to the radio's antenna. 7/800 frequencies- RF will route to the PSM antenna port; RF will not route to the radio's antenna

APX 7000 GPS STUBBY ANTENNA

NAG4000 555 \$18.00

This antenna is needed when a user has a Public Safety Microphone attached to the radio and still requires GPS capability. Attaches to the APX radio directly and is only used when the radio is operating in a single band configuration of UHF or 700/800

MHz.

APX PSM 700/800MHZ ANTENNA

This antenna is tested and certified to work with the PSM on the APX 6000/XE/LI and APX 7000/XE radio for 700/800 MHz. If this antenna is used for any other purpose, possible coverage effects should be taken into consideration. Length: 3.54". When a PSM is attached to APX 7000 U1/78 or U2/78 (dual band); UHF frequencies- RF will not route to the PSM antenna port; RF will route to the radio's antenna. 7/800 frequencies- RF will route to the PSM antenna port; RF will not route to the radio's antenna

PMAF4002

372

\$12.00

ANT_HLCL_136MHZ_MIN_1.577GHZ_M

UHF (380-520) GPS ANTENNA
PSM is tested and certified to support PMAE4065 for UHF R1/R2 MHz (380-520) on APX 6000/XE/LI and APX 7000/XE. When a PSM is attached to APX 7000 U1/78 or U2/78 (dual band); UHF frequencies- RF will not route to the PSM antenna port; RF will route to the radio's antenna. 7/800 frequencies- RF will route to the PSM antenna port; RF will not route to the radio's antenna. Radio requires GPS antenna (NAG4000) when Public Safety Microphone is attached

NAR6593A
PMAE4065A

555
795

\$38.00
\$21.00

UHF1 GPS STUBBY ANTENNA

PSM is tested and certified to support FAF5259A for UHF R1 MHz on APX 6000/XE/LI and APX 7000/XE. When a PSM is attached to APX 7000 U1/78 or U2/78 (dual band); UHF frequencies- RF will not route to the PSM antenna port; RF will route to the radio's antenna. 7/800 frequencies- RF will route to the PSM antenna port; RF will not route to the radio's antenna. Radio requires GPS antenna (NAG4000) when Public Safety Microphone is attached

FAF5259A

481

\$60.00

UHFPR2 GPS STUBBY ANTENNA

PSM is tested and certified to support FAF5260A for UHF R1 MHz (380-520) on APX 6000/XE/LI and APX 7000/XE. When a PSM is attached to APX 7000 U1/78 or U2/78 (dual band); UHF frequencies- RF will not route to the PSM antenna port; RF will route to the radio's antenna. 7/800 frequencies- RF will route to the PSM antenna port; RF will not route to the radio's antenna. Radio requires GPS antenna (NAG4000) when Public Safety Microphone is attached

FAF5260A

481

\$60.00

ANT VHF 7/800/GPS

Dual Band Antenna for VHF frequency range & 7/800 frequency range. Includes GPS. 200mm in length.

NAR6594A

555

\$75.00

UHF (380-520) 77-800 GPS

VHF (136-174), UHF (380-520), GPS ANTENNA

PMAS4001A
PMAT4001A

655
655

\$31.00
\$44.00

Batteries

Description

BATT IMP FM RUGGEDIZED LIION 4100M 4300T BLK

Nomenclature
NNTN7033A

APC
453

Price
\$175.00

Dimensions (HXWxD)
5.12" x 2.34" x 1.65"

BATT IMP STD RUGGEDIZED LIION 4200M 4400T BLK

NNTN7034B

453

\$160.00

BATT IMP FM R NIMH 2000M 2200T BLK

NNTN7035

798

\$147.00

Motorola now makes batteries to an even more stringent military standard for customers who require a higher level of submersibility protection - MIL-STD-810E, Method 512.3 Immersion, which are referred to as Ruggedized PLUS.

Dimensions (HXWxD)
5.07" x 2.34" x 1.57"

BATT IMP STD IP67 LIION 2900M 3100T BLK

NNTN7038B

453

\$140.00

BATT STD IP67 LIION2050M 2150T

PMNIN4403B

453

\$125.00

IMPRES BATTERY DATA READER

NNTN7392

785

\$250.00

Provides IMPRES battery users ability to access key usage data via PC. Compatible w/all IMPRES batteries (HT/PRO, TRBO & APX adapter included)

BATT IMP FM R LIION 2300M 2350T BLK

NNTN8092

453

\$140.00

This Impres 2300MAH Lithium Ion battery is both FM certified and Ruggedized PLUS (submersible). The battery is offered in a small form factor. It is the standard battery offered with the XE(EXTreme) radio products.
 Dimensions (HMMXD):
 3.07" x 2.34" x 1.65"

CLAMSHELL BATTERY

PMNNA4439A 453 \$90.00

Batteries - SRX 2200

Description
 ASSEMBLY, BATTERY, BATT R LI ION 2900M 3100T MILITARY BRN

Nomenclature APC **Price**
 NNTN8182B 453 \$150.00

Battery Chargers

Description
 IMPRES MULTI UNIT CHARGER US/NA/CALA
 IMPRES MULTI UNIT CHARGER with DISPLAY US/NA/CALA
 APX DUAL UNIT CHARGER WITHOUT DISPLAY

Nomenclature APC **Price**
 NNTN7065B 785 \$788.00
 NNTN7073B 785 \$1,350.00
 NNTN7586 785 \$295.00

This next generation IMPRES charger provides advanced features, including the ability to turn on/off reconditioning, reduced reconditioning time and improved energy efficiency.

CHR IMP DISP DUC EXT US/NA/CALA

NNTN7593A 785 \$375.00

Dual-Unit IMPRES charger with two displays
 APX CHARGER INSERT ADAPTER FOR XTS MULTI-UNIT CHARGER

NNTN7686A 795 \$207.00

Six inserts will ship in one package. Only work in Multi Unit Chargers. Requires charger containing Software Version 3.4 or greater.

APX CHARGER INSERT ADAPTER FOR XTS SINGLE-UNIT CHARGER

NNTN7687A 795 \$45.00

Only 1 SUC Insert will ship. Only work in Single Unit Chargers. Requires charger containing Software Version 3.4 or greater.
 APX TRAVEL CHARGER

RLN6434A 785 \$101.00
 WPLN7080 785 \$125.00

APX 7000 IMPRES CG SU APX7000 US/NA/CALA
 IMPRES Single-Unit Charger

NNTN7624B 785 \$390.00

IMPRES VEHICULAR CHARGER (FULL KIT)

NNTN7624B 785 \$390.00

APX Portable Vehicular Charger (NNTN7624B supports APX XE subscriber line as well)
 ACCESSORY IMPRES CHARGER DISPLAY SALES MODULE (CDM)

RLN5382C 785 \$95.00

Display Module for IMPRES Multi-Unit Charger
 WALL MOUNT KIT FOR IMPRES MULTI-UNIT CHARGER

NLN7967 476 \$21.00

Wall Mount Bracket for IMPRES Multi-Unit Charger

Battery Chargers - SRX 2200

Description
 CHR STD MUOC EXT US/NA/CALA
 Military, IMPRES Multi-Unit Charger, 120V (US Plug) with 6 Pocket Inserts

Nomenclature APC **Price**
 NNTN8185A 785 \$1,200.00

Battery Fleet Management

Description	Nomenclature	APC	Price
FLEET MANAGEMENT CHRGR INTERFACE UNIT			
Multi-Unit Charger Interface Unit, attaches to an APX or XTS IMPRES multi-unit charger to enable the data transfer to IMPRES Battery Fleet Management. A CIU is required for IMPRES chargers that report data to IMPRES Battery Fleet Management.	NNTN7677A	291	\$80.00
CHARGER INTRFCE UNT GEN1 IMPRES SUC			
Single-Unit Charger Interface Unit, attaches to an APX IMPRES single-unit charger to enable the data transfer to IMPRES Battery Fleet Management. A CIU is required for IMPRES chargers that report data to the IMPRES Battery Fleet Management.	NNTN8045A	291	\$35.00
NA FLEET MANAGEMENT LICENSE KEY			
IMPRES BATTERY DATA READER	HKVN4036A	785	\$489.00
Provide IMPRES battery users ability to access key usage data via PC. Compatible w/all IMPRES batteries (HT/PRO, TRBO & APX adapter included)	NNTN7392	785	\$250.00

Bluetooth Mission Critical Wireless

Note: requires QA00583 to be ordered in the APX radio in order to enable Bluetooth software

Description	Nomenclature	APC	Price
ASSEMBLY ACCESSORY WIRELESS ACCY KIT NFP 12 CABLE			
Mission Critical Wireless Earpiece with 12 Inch cable and Push-To-Talk pod	NTN2570C	742	\$295.00
WIRELESS 2.0 COMMPORT IC MODULE			
Mission Critical Wireless Push-To-Talk pod (POD ONLY)	NTN2571B	742	\$139.00
MC WIRELESS REMOTE CONTROL KEYFOB & US CHARGER			
COVERT PACK-N-GO KIT	NNTN8442A	742	\$350.00
COVERT PACK-N-GO KIT, ADVANCED	RLN6489A	742	\$700.00
COVERTLY DISCREET WRLS SURVEILLANCE KIT	RLN6501A	742	\$1,100.00
Kit Includes: Wireless Neckloop Y-adapter and retention hook (NNTN8385), Completely Discreet Earpiece Kit (RLN4922), Mission Critical Wireless Push-to-Talk pod (NTN2571), Optional Item not Included: Neckloop Retention Clip: (NNTN8457A)	NNTN8434A	372	\$515.00
COMPLETELY DISCREET EARPIECE KIT			
Wireless Earpiece, communicates to the radio through an inductive neckloop. The kit includes the wireless receiver, six spare batteries and five spare earguards	RLN4922	742	\$340.00
Y-ADAPTER FOR WRLS BLUETOOTH PTT POD			
Wireless neckloop Y-adapter and retention hook	NNTN8385A	742	\$100.00
1-WIRE EARBUD,29CM CORD,BLACK			
1-WIRE EARBUD,116CM CORD,BLACK	NNTN8294A	742	\$40.00
2-WIRE EARBUD,116CM CORD,BLACK			
2-WIRE EARBUD,116CM CORD,BLACK	NNTN8295A	742	\$40.00
ACCY,KIT,EAR PIECE,2W SHORT CORD,BL			
This covert kit includes 2 sets of two-wire earbud headphones (1 black and 1 white), a single-wire black earbud headphone and a 3.5mm adapter that allows to plug in any consumer off-the-shelf headphones. A Mission Critical Wireless Push-To-Talk pod (NTN2571) must be ordered separately to power the earpieces	NNTN8298A	742	\$50.00
	NNTN8296A	742	\$180.00

1-WIRE SURVEILLANCE KIT FOR OCW/MCW

PMLN7052A

742

\$52.00

[Bluetooth Mission Critical Wireless Replacement Parts](#)

Description

EARTIPS, REPLACEMENT

Replacement eartips for NNTN8294A, NNTN8295A or NNTN8298A. Contains two ear tips in each size and one clip.

Nomenclature

APC

Price

NNTN8299A

742

\$3.15

EARTIPS, BULK REPLACEMENT

Replacement ear tips kit for wireless ear buds. Contains: 20 Small ear buds, 20 Medium, 20 Large, and 10 clips

NNTN8361A

742

\$29.50

EARPIECE W/12" CABLE

Replacement cable for NTN2570C. FM Certified; MCW BT

NTN2572A

742

\$156.00

COMMPORT MAINTENANCE KIT

Earpiece Maintenance Kit. Includes 10 silicone ear tubes, 10 microphone seal strips and 2 foam windscreens for Over-the-Ear earpiece

NTN8821

115

\$46.00

COMMPORT EAR STRAP (PACK OF 10)

COMMPORT EAR TUBES (PACK OF 10)

WIRELESS POD SWIVEL CLIP

PWR SUPPLY, SMPS, MICRO USB-NA

Replacement or spare micro-usb plug-in charger for wireless Push-To-Talk Pod

COMMERCIAL 3.5 EARBUD HEADSET ADAPTER, MULTIPACK

Pack of 10 adapters

NNTN8737A

742

\$401.00

NECKLOOP RETENTION HOOK, BULK REPLACEMENT

Pack of 10 units

NNTN8457A

372

\$30.00

[Belt Clips / Belt Loops / Radio Straps](#)

Description

3" PLASTIC BELT CLIP ATTACHMENT

2.5" PLASTIC BELT CLIP ATTACHMENT

2.57 Belt Clip is compatible with all APX subscribers except the APX4000 series

BELT CLIP ONLY, FOR SWIVEL CASE

APX 7000 2.5" REPLACEMENT SWIVEL BELT LOOP

Replacement 2.5 Inches Leather Swivel Belt Loop

APX 7000 2.75" REPLACEMENT SWIVEL BELT LOOP

Replacement 2.75 Inches Leather Swivel Belt Loop

APX 7000 3" REPLACEMENT SWIVEL BELT LOOP

Replacement 3 Inches Leather Swivel Belt Loop

CARRY CASE SHOULDER STRAP

Adjustable Nylon Carrying Strap

Nomenclature

APC

Price

HLN6875A

721

\$12.00

NTN8266B

476

\$12.00

RLN6459A

271

\$12.00

PMLN5407

271

\$12.00

PMLN5408

795

\$12.00

PMLN5409

271

\$12.00

NTN5243A

271

\$23.00

BELT WAIST BLK
 1.75 Inch Wide Leather Belt
 ACCESSORY KIT,FIREMAN'S RADIO STRAP
 ACCESSORY KIT,FIREMAN'S RADIO STRAP, XL
 ACCESSORY KIT,ANTI-SWAY STRAP

4200865599	271	\$20.00
RLN6486A	271	\$37.00
RLN6487A	271	\$40.00
RLN6488A	271	\$15.00

[Carrying Solutions - APX 6000](#)

Description
 APX6000 CC 2.75 SWL BL 2900&2150MAH
 APX6000 CC 3 FIX BL 2900&2150MAH
 APX6000 CC 2.75 SWL BL 4200MAH
 APX6000 CC 3 FIX BL 4200MAH
 APX6000 UNIVERSAL CARRY HOLDER
 ACCESSORY KIT,MOLDED NYLON CARRY CASE W/SWIVEL

Nomenclature	APC	Price
PMLN5657B	271	\$65.00
PMLN5658B	795	\$67.00
PMLN5659B	795	\$67.00
PMLN5660B	795	\$69.00
PMLN5709A	271	\$29.00
PMLN6802A	271	\$50.00

[Carrying Solutions - APX 6000XE](#)

Description
 APX6000XE 2.75SWBL2900,2300&2150MAH
 APX6000XE 3 FIXBL 2900,2300&2150MAH
 APX6000XE CC 2.75 SWL BL 4200MAH
 APX6000XE CC 3 FIX BL 4200MAH
 APX6000XE UNIV C HOLDER
 ACCESSORY KIT,MOLDED NYLON CARRY CASE W/SWIVEL

Nomenclature	APC	Price
PMLN5875	271	\$65.00
PMLN5876A	795	\$62.00
PMLN5877A	795	\$65.00
PMLN5879A	795	\$62.00
PMLN5880A	795	\$29.00
PMLN6802A	271	\$50.00

[Carrying Solutions - APX 7000](#)

Description
 LEATHER CASE 3 FIX BL 2500MAH ?
 LEATHER CASE 2.75 SWL BL 2500MAH
 LEATHER CASE 3 FIX BL 4200MAH
 LEATHER CASE 2.75 SWL BL 4200MAH
 APX 7000 L. CARRY CASE W/3" FIX BELT LOOP-NNTN7035/6/7/NNTN7573BAT
 LEATHER CASE 2.75 SWL BL 2100MAH ?
 APX 7000 CARRY HOLDER
 NYLON CASE 3 FIX BL 4200MAH

Nomenclature	APC	Price
PMLN5323C	271	\$67.00
PMLN5324C	271	\$65.00
PMLN5326C	795	\$69.00
PMLN5327C	795	\$67.00
PMLN5329	795	\$69.00
PMLN5330C	795	\$67.00
PMLN5331	271	\$29.00
PMLN5325C	795	\$50.00

APX FLIP CARRY CASE
 LEATHER CASE 2.75 SWL BL 4200MAH
 APX7000 N. CARRY CASE WITH 3" FIX BELT LOOP-NNTN7035/6/7/7573 BAT
 APX 7000 Nylon Carry Case with 3" Fixed Belt Loop for NNTN7038 Battery
 CARRY ACCESSORY-CASE,APX CLAMSHELL CARRY CASE
 ACCESSORY KIT,MOLDED NYLON CARRY CASE W/SWIVEL

PMLN5560B 271 \$75.00
 PMLN5327C 795 \$67.00
 PMLN5328 795 \$49.00
 PMLN5322B 795 \$47.00
 PMLN6712A 795 \$60.00
 PMLN6802A 271 \$50.00

Carrying Solutions - APX 7000XE

Description
 APX7000XE CC 3 FIX BL 2900/2150MAH
 APX7000XE CC 2.75 SWL BL 2900/2150MAH
 APX7000XE CC 3 FIX BL 4200 MAH
 APX7000XE CC 2.75 SWL BL 4100MAH
 APX7000XE CC 3 FIX BL 4200MAH
 APX7000XE CC 2.75 SWL BL 4200MAH
 APX7000XE UNIVERSAL CARRY HOLDER
 This is the standard carry case for the Model 3.5 (Dual Display/Keypad) version of the APX7000XE radio.
 ACCESSORY KIT,MOLDED NYLON CARRY CASE W/SWIVEL

Nomenclature **APC** **Price**
 NNTN8112A 271 \$62.00
 NNTN8111B 271 \$65.00
 NNTN8114A 271 \$62.00
 NNTN8113A 271 \$65.00
 NNTN8116A 271 \$62.00
 NNTN8115A 271 \$65.00
 PMLN6102A 271 \$29.00
 PMLN6802A 271 \$50.00

Carrying Solutions - SRX 2200

Description
 CARRY POUCH, SRX
 SRX 2200 carrying pouch (coyote brown)

Nomenclature **APC** **Price**
 NNTN8269A 372 \$55.00

CommPort

Description
 COMMPORT APX W/ PALM PTT
 COMMPORT APX W/ RADIO ADAPTER PTT
 COMMPORT APX W/ RING PTT
 COMMPORT APX W/ SNAP-ON-SIDE PTT
 COMMPORT APX W/ BODY PTT

Nomenclature **APC** **Price**
 RLN6480A 742 \$419.00
 RLN6481A 742 \$419.00
 RLN6482A 742 \$429.00
 RLN6483A 742 \$429.00
 RLN6484A 742 \$513.00

CommPort Replacement Items

Description	Nomenclature	APC	Price
REPLACEMENT PALM PTT CABLE FOR NTN1624 & NTN1723	NKN6510	115	\$53.00
REPLACEMENT CABLE FOR NTN1625 & NTN1722	NKN6508	115	\$34.50
REPLACEMENT SNAP ON SIDE PTT CABLE FOR NTN1736 & NTN1737	NKN6525	115	\$75.00
REPLACEMENT RING PTT CABLE FOR NTN1663 & NTN1724	NKN6512	115	\$60.25
COMMPORT REPLACE REMOTE PTT BODY	NNTN4188	115	\$180.00
EAR MIC ASSEMBLY	NTN8819B	115	\$291.00
COMMPORT MAINTENANCE KIT	NTN8821	115	\$46.00
Earpiece Maintenance Kit. Includes 10 silicone ear tubes, 10 microphone seal strips and 2 foam windscreens for Over-the-Ear earpiece			
COMMPORT EAR STRAP (PACK OF 10)	NTN8988A	115	\$17.25
COMMPORT EAR TUBES (PACK OF 10)	RLN5037	115	\$26.00
CLIP COLLAR	4285838B01	115	\$3.45
CLIP BELT	4202006A01	742	\$20.00

Earpieces

Description	Nomenclature	APC	Price
BONE CONDUCTION EAR MIC	PMLN5653A	742	\$399.00
IMPRES Ear Microphone System with Programmable Button and Large Push-to-Talk: Lightweight earpiece that picks up sound through bone conduction			
In digital mode, bone conduction can have a bassier (muffled) sound quality depending on the user			
EARGUARD	0180300E25	742	\$68.00
EARHOLDER SMALL BLK	0180358B32	742	\$20.00
EARHOLDER MEDIUM BLK	0180358B33	742	\$19.00
EARHOLDER LARGE BLK	0180358B34	742	\$20.00
EARHOLDER MEDIUM CLR	0180358B36	742	\$20.00
EARHOLDER LARGE CLR	0180358B37	742	\$20.00

Headsets

Description	Nomenclature	APC	Price
IMPRES TEMPLE TRANSDUCER	PMLN5101A	742	\$228.00
IMPRES Temple Transducer with boom microphone and inline push-to-talk. FM Certified and UL Approved			
New earseals & increased seal pressure C style. It is not FM approved.			
Heavy-Duty Behind-the-Head Headset with Noise-Cancelling boom microphone, noise reduction = 24dB, FM Certified			
CORE LM HEADSET	RMN5058A	742	\$90.00
Lightweight Over-the-Head Headset single muff with in-line push-to-talk and boom mic. FM Certified			

XBT HEADSET BTN, HEAVY DUTY HEADSET, BT
 XBT Operations Critical Wireless Behind-the-Neck Headset
 XBT HEADSET HB, HEAVY DUTY HEADSET, BT
 XBT Operations Critical Wireless Headband Style Headset

RLN6490A

742

\$699.00

RLN6491A

742

\$699.00

Hearing Protection

Description
 ACCESSORY KIT,EP7-SM SONIC DEFENDERS ULTRA EARPLUGS
 ACCESSORY KIT,EP7-M SONIC DEFENDERS ULTRA EARPLUGS
 ACCESSORY KIT,EP7-LG SONIC DEFENDERS ULTRA EARPLUGS

Nomenclature

APC

Price

RLN6511A

742

\$28.50

RLN6512A

742

\$28.50

RLN6513A

742

\$28.50

Heavy Duty Headsets by 3M Peltor

Description
 3M PELTOR MT SERIES 2-WAY COMM HDST MTT7H79A-C5063-34, HEADBAND
 MT Series Over-The-Head Headset, direct radio connect. Noise Reduction Rating: 25 dB
 3M PELTOR MT SERIES 2-WAY COMM HDST MTT7H79B-C5063-34, NECKBAND
 MT Series Neckband Headset, direct radio connect. Noise Reduction Rating: 24 dB
 3M PELTOR MT SERIES 2-WAY COMM HDST MTT7H79P3E-HARD HAT ATTACH
 MT Series Hard Hat Attached Headset, direct radio connect. Noise Reduction Rating: 21 dB
 HEADBAND HEADSET W/ NEXUS JACK
 MT Series Over-the-Head Headset with Nexus connector. Requires PTT Adapter PMLN6095. Noise Reduction Rating: 25 dB
 HEAVY-DUTY HEADSET
 MT Series Neckband Headset with Nexus connector. Requires PTT Adapter PMLN6095. Noise Reduction Rating: 24 dB
 2-WAY HARD-HAT MOUNT HEADSET, BLACK
 MT Series Hard Hat Attached with Nexus connector. Requires PTT Adapter PMLN6095. Noise Reduction Rating: 21 dB
 TACTICAL HEADBAND-STYLE HEADSET, GRAY
 TacticalPro Series Over-The-Head Headset with Nexus connector. Requires PTT Adapter PMLN6095. Noise Reduction Rating: 26 dB
 AUDIO ACCESSORY-HEADSET,3M PELTOR TACTICALPRO 2-WAY COMMUNICATIONS
 HEA
 TacticalPro Series Neckband Headset with Nexus connector. Requires PTT Adapter PMLN6095. Noise Reduction Rating: 25 dB
 TACTICAL HARD-HAT MOUNT HEADSET, GRAY
 TacticalPro Series Hard Hat Attached with Nexus connector. Requires PTT Adapter PMLN6095. Noise Reduction Rating: 22 dB
 IN-LINE PTT ADAPTER, GCAI
 PTT Nexus Adapter
 RX ONLY HDBND HDST 3.5MM RT ANGLE P
 HT Series Listen Only Over-The-Head Headset with 3.5mm NON threaded connector. Noise Reduction Rating: 25 dB.
 APX radios require RSM: PMLN4062, PMLN4069 or PMLN4084

Nomenclature

APC

Price

RMN5137A

742

\$587.00

RMN5138A

742

\$587.00

RMN5139A

742

\$587.00

PMLN6088A

742

\$275.00

RLN6477A

742

\$335.00

RMN4051

742

\$299.00

RMN4052

742

\$388.00

RMN5135A

742

\$440.00

RMN4053

742

\$388.00

PMLN6095A

742

\$316.00

RMN4055B

742

\$110.00

AUDIO ACCESSORY-HEADSET,3M PELTOR HT SERIES LISTEN ONLY HEADSETHTM79B	RMN5132A	742	\$147.00
HT Series Listen Only Neckband Headset with 3.5mm NON Threaded connector. Noise Reduction Rating: 24 dB. APX radios require RSM: PMMN4062, PMMN4069 or PMMN4084			
AUDIO ACCESSORY-HEADSET,3M PELTOR HT SERIES LISTEN ONLY HEADSETHTM79P	RMN5133A	742	\$147.00
HT Series Listen Only Hard Hat Attached Headset with 3.5mm NON threaded connector. Noise Reduction Rating: 23 dB. APX radios require RSM: PMMN4082, PMMN4069 or PMMN4084			
RX ONLY HRDHAT MNT 3.5MM RT ANGLE PLUG	RMN4056B	742	\$145.00
HT Series Listen Only Over-The-Head Headset with 3.5 threaded connector. Noise Reduction Rating: 25 dB. APX radios require RSM: PMMN4084.			
RECEIVE-ONLY HARDHAT MOUNT HEADSET WITH 3.5MM THREADED PLUG	RMN4057	742	\$125.00
HT Series Listen Only Hard Hat Attached Headset with 3.5 threaded connector. Noise Reduction Rating: 23 dB. APX radios require RSM: PMMN4084.			

Public Safety Microphones (PSMs) - APX 6000 & 7000

Description	Nomenclature	APC	Price
PSM IP55 WITH 3.5MM JACK RX 18IN	PMMN4059B	372	\$164.00
IMPRES Windporting Public Safety Microphone (18 inch cable) with 3.5mm NON-Threaded Audio Jack, Volume Control, Orange Button. IP Rating IP55, FM Approved.			
PSM IP55 WITH 3.5MM JACK RX 24IN	PMMN4060B	372	\$164.00
IMPRES Windporting Public Safety Microphone (24 inch cable) with 3.5mm NON-Threaded Audio Jack, Volume Control, Orange Button. IP Rating IP55, FM Approved.			
PSM IP55 WITH 3.5MM JACK RX 30IN	PMMN4061B	372	\$164.00
IMPRES Windporting Public Safety Microphone (30 inch cable) with 3.5mm NON-Threaded Audio Jack, Volume Control, Orange Button. IP Rating IP55, FM Approved.			
PSM Antenna needs to be purchased separately. The only antenna currently qualified to work with UHFRT1 PSM is PMAE4065A			
PSM Antenna needs to be purchased separately			

Remote Speaker Microphones (RSMs) - APX 6000, 6000XE, 6000LI, 7000, and 7000XE

Description	Nomenclature	APC	Price
IMPRES RSM DSPLY W JACK, W CHNL	HMN4104B	372	\$375.00
IMPRES Display RSM with Audio Jack, Channel Selector, Volume Control, 2-Programmable Buttons and Orange Button. Windporting, Rugged, Submersible (IP68), Indoor/Outdoor use. FM Approved and UL Approved			
IMPRES RSM DSPLY W JACK, NO CHNL	HMN4103B	372	\$345.00
IMPRES Display RSM with Audio Jack, Volume Control, 2-Programmable Buttons and Orange Button. Windporting, Rugged, Submersible (IP68), Indoor/Outdoor use. FM Approved and UL Approved			
IMPRES RSM NO DSPLY W JACK, NO CHNL	HMN4101B	372	\$300.00
IMPRES RSM with Audio Jack, Volume Control, 2-Programmable Buttons and Orange Button. Windporting, Rugged, Submersible (IP68), Indoor/Outdoor use. FM Approved and UL Approved			
APX7000 IMPRES RSM, NOISE CANC, EMERGENCY BUTTON 3.5MM JACK IP54	PMMN4062A	372	\$107.00
IMPRES RSM with NON-Threaded Audio Jack, Orange Button, Noise Cancelling (IP54), Indoor use. FM Approved and UL Approved			

APX IMPRES RSM W/VOL, IP57				
IMPRES RSM with Volume Toggle Switch, Orange Button and 1-Programmable Button, Windporting (IP57). Indoor/Outdoor use. FM Approved and UL Approved				
IMPRES RSM, 3.5MM AUDIO JACK				
IMPRES RSM with NON-Threaded Audio Jack, Windporting (IP55). Indoor use. FM Approved and UL Approved				
IMPRES RSM DELTA-T,				
IMPRES RSM Windporting, Rugged (IP68). Indoor/Outdoor use. FM Approved				
PLUS RSM NC IP54 THRD 3.5MM JACK RX				
IMPRES RSM with 3.5mm Threaded and NON-Threaded Audio Jack and Orange Button. Noise Cancelling (IP54). Indoor use. FM Approved				
AUDIO ACCESSORY-REMOTE SPEAKER MICROPHONE,IMPRES WINDPORTING RSM, IP55				
IMPRES Windporting RSM with Volume Toggle Switch, Orange Button, 3.5mm NON-Threaded Jack (IP55). Indoor use				
IMPRES XE RSM, FM				
XE RSM with dual microphone noise cancellation technology. Submersible (IP68). FM Approved. Standard cable. Green.				
IMPRES XE RSM FM, BLACK				
XE RSM with dual microphone noise cancellation technology. Submersible (IP68). FM Approved. Standard cable				
ASSEMBLY, ACCESSORY, IMPRES XE RSM, YELLOW				
XE RSM with dual microphone noise cancellation technology. Submersible (IP68). FM Approved. Standard cable				
AUDIO ACCESSORY-REMOTE SPEAKER MICROPHONE,IMPRES XE RSM XT CABLE GREEN				
XE RSM with Xtreme Temperature Cable. Dual microphone noise cancellation technology. Submersible (IP68). FM Approved. Green				
AUDIO ACCESSORY-REMOTE SPEAKER MICROPHONE,IMPRES XE RSM XT CABLE BLACK				
XE RSM with Xtreme Temperature Cable. Dual microphone noise cancellation technology. Submersible (IP68). FM Approved. Black				
AUDIO ACCESSORY-REMOTE SPEAKER MICROPHONE,IMPRES XE RSM XT CABLE YLW				
XE RSM with Xtreme Temperature Cable. Dual microphone noise cancellation technology. Submersible (IP68). FM Approved. Yellow				
IMPRES XP RSM FOR APX W/ DUAL MIC NOISE SUPPRESSION				
IMPRES RSM with Dual microphone noise cancellation technology. Volume Control, 1-Programmable Button and Orange Button. Rugged. Submersible (IP68)				
IMPRES XP RSM FOR APX W/ DUAL MIC NOISE SUPPRESSION, 3.5MM THRDJACK				
IMPRES RSM with Dual microphone noise cancellation technology. 3.5mm threaded jack, Volume Control, 1-Programmable Button and Orange Button (IP55)				
ACCESSORY KIT,APX WIRELESS RSM W/ DUC US/NA/JPTW				
APX Wireless RSM Kit: Includes battery, clip, dual-unit charger (DUC), and power supply				
MISSION CRITICAL WIRELESS RSM W/ BATTERY AND CLIP				
APX Wireless RSM: Includes battery and clip. DOES NOT INCLUDE CHARGER				

[Remote Speaker Microphones \(RSMs\) - SRX 2200](#)

Description	Nomenclature	APC	Price
SRX REMOTE SPEAKER MIC (IP57)	NNTN8235A	372	\$80.00
Windproofing RSM, (coyote brown) IP57			
SRX IMPRES REMOTE SPEAKER MIC	NNTN8236A	372	\$80.00
Windproofing RSM with NON-Threaded 3.5 mm Audio Jack, (coyote brown) IP54			

Remote Speaker Microphones (RSMs) Accessories and Replacement Parts

Description	Nomenclature	APC	Price
RX/TX BOOMLESS TEMPLE TRANSDUC	RMN5116A	742	\$248.00
Temple Transducer Headset will ONLY work with: Microphone Compatibility HMN4101, HMN4103, HMN4104, FM Approved and UL Approved			
RECEIVE-ONLY FOAM EARBUD WITH 3.5MM PLUG - INTRINSICALLY SAFE	AARLN4885	742	\$25.00
UL Approved			
RX ONLY EARPIECE W/TRANSLUCENT TUBE	RLN6424B	742	\$80.00
Compatible with HMN4104, HMN4103 and HMN4101 Remote Speaker Mics ONLY, FM Approved and UL Approved			
RECEIVE ONLY EARPIECE W/TRANSLUCENT TUBE	RLN4941A	742	\$58.00
EAR RCVR W/COIL CBL&3.5MM PLUG	WADN4190B	742	\$43.00
REPLACEMENT CLEAR ACOUSTIC TUBE	0105954U29	742	\$7.90
RUBBER EAR TIP, CLEAR	67009254001	795	\$9.95
Pack of 10 clear rubber ear tips			
REPLACEMENT RUBBER EARTIPS, CLEAR - PACK OF 25	5080370E97	742	\$29.25
FOAM EARPLUGS (PACK OF 50) - FOR USE WITH NTN8370	5080384F72	644	\$117.00
Noise Reduction Rating = 26dB.			
DISPLAY RSM EXT CABLE	PMKN4107A	372	\$53.00
DRSM INTERFACE CABLE NEXUS M-4	PMKN4112A	372	\$53.00
DRSM INTERFACE CABLE HIROSE F-	PMKN4113A	372	\$53.00
DISPLAY RSM GCAL, REPLACEABLE CABLE	3075336B17	372	\$90.00
Replacement Coil Kit for HMN4104, HMN4103 and HMN4101			
IMPRES RSM REPL COIL CORD	RLN6075	372	\$85.00
Replacement Coil Kit for PMMN4082, PMMN4065, PMMN4069, PMMN4083 and PMMN4099			
RSM REPLACEMENT CABLE	30009402001	372	\$90.00
Standard Temperature Replacement Cable for XE RSM (NNTN8203 series)			
RSM REPLACEMENT CABLE ASSEMBLY	30009402002	372	\$175.00
Xtreme Temperature Replacement Cable for XE RSM (NNTN8203 and NNTN8575 series)			
CHR STD DUC EXT US/JA/PN/TAIWAN	PMLN7120A	785	\$36.00
Wireless RSM Dual Unit Charger (desk charger), Includes power supply			
CHR STD TRVL EXT REGION	PMLN6716A	785	\$72.00
Wireless RSM Vehicular Charger			

BATT STD LION 1800T
Wireless RSM Battery, 1800mA Lion

PMNN4461A 453 \$65.00

Surveillance Kits (Wired)

Description	Nomenclature	APC	Price
IMPRES 3 WIRE W/ TRANS TUBE-BLK	PMLN6123A	742	\$173.00
IMPRES 3-Wire Surveillance Kit with translucent tube, programmable button, black. FM Approved			
IMPRES 3 WIRE W/ TRANS TUBE-BGE	PMLN6124A	742	\$173.00
IMPRES 3-Wire Surveillance Kit with translucent tube, programmable button, beige. FM Approved			
1 WIRE SURVEILLANCE KIT-BLACK	PMLN6125A	742	\$40.00
1-Wire Receive-only earpiece, black. FM Approved			
1 WIRE SURVEILLANCE KIT-BIEGE	PMLN6126A	742	\$40.00
1-Wire Receive-only earpiece, beige. FM Approved			
IMPRES 2 WIRE SURVEILLANCE -BLK	PMLN6127A	742	\$105.00
IMPRES 2-Wire Surveillance Kit, programmable button, black. FM Approved			
IMPRES 2 WIRE SURVEILLANCE-BGE	PMLN6128A	742	\$105.00
IMPRES 2-Wire Surveillance Kit, programmable button, beige. FM Approved			
SMART 2 WIRE W/TRANS TUBE BLK	PMLN6129A	742	\$122.00
IMPRES 2-Wire Surveillance Kit with translucent tube, programmable button, black. FM Approved			
SMART 2 WIRE W/TRANS TUBE BIEGE	PMLN6130A	742	\$122.00
IMPRES 2-Wire Surveillance Kit with translucent tube, programmable button, beige. FM Approved			
SPKR MIC W/XLOAD EARPIECE	ZMNN6039	742	\$190.00
3-Wire Surveillance Kit, with Extra Loud Earpiece, Beige, Hirose Connector. *APX series require NNTN7869 Hirose Adapter.			
2-WIRE SURVEILLANCE KIT WITH MICROPHONE AND PTT COMBINED - EXTRA LOUD	ZMNN6038	476	\$149.00
3-Wire Surveillance Kit, with Extra Loud Earpiece, Beige, Hirose Connector. *APX series require NNTN7869 Hirose Adapter.			
3-WIRE SURVEILLANCE KIT WITH MICROPHONE & PTT COMBINED, BEIGE	ZMNN6031	742	\$177.00
3-Wire Surveillance Kit, Beige, Hirose Connector. *APX series require NNTN7869 Hirose Adapter.			
2-WIRE SURVEILLANCE KIT WITH MICROPHONE AND PTT COMBINED	ZMNN6032	476	\$143.00
2-Wire Surveillance Kit, Beige, Hirose Connector. Requires NNTN7969 Hirose Adapter. *PR1500 requires NNTN8613 adapter.			
EARPIECE RECEIVE ONLY WITH STANDARD EARPHONE - BEIGE (SINGLE WIRE)	BDN6664	742	\$40.00
1-Wire Receive-Only Surveillance Kit with Earpiece, Beige, 3.5mm Threaded. *APX series require BDN6783 adapter. FM Approved with APX8000/6000XE and APX7000/7000XE. *HT1000, XTS 2500, XTS 3000, & XTS 5000 require BDN6676 adapter. If being used with Remote Speaker Microphone with 3.5mm audio jack, audio adapter is not required. *EX500 & EX600 XLS require PMLN4455 adapter. FM Approved. *PR1500 requires BDN6676 adapter. FM Approved			

EARPIECE RECEIVE ONLY WITH STANDARD EARPHONE - BLACK (SINGLE WIRE)				
1-Wire Receive-Only Surveillance Kit with Earpiece, Black, 3.5mm Threaded.				
*APX series require BDN6783 adapter. FM Approved with APX6000/6000XE and APX7000/7000XE.				
*HT1000 & XTS 3000 require BDN6676 adapter. If being used with Remote Speaker Microphone with 3.5mm audio jack, audio adapter is not required.				
*XTS 2500 & XTS 5000 require new adaptor. FM Approved.				
*EX500 & EX600 XLS require PMLN4455 adapter. FM Approved.				
*PR1500 requires BDN6676 adapter. FM Approved				
EARPIECE RECEIVE ONLY WITH EXTRA LOUD EARPHONE - BEIGE (SINGLE WIRE)				
1-Wire Receive-Only Surveillance Kit with Extra-Loud Earpiece, Beige, 3.5mm Threaded.				
*APX series require BDN6783 adapter. FM Approved with APX6000/6000XE and APX7000/7000XE.				
*HT1000, XTS 2500, XTS 3000, & XTS 5000 require BDN6876 adapter. If being used with Remote Speaker Microphone with 3.5mm audio jack, audio adapter is not required.				
*EX500 & EX600 XLS require PMLN4455 adapter. FM Approved.				
*PR1500 requires BDN6676 adapter. FM Approved				
RECEIVE ONLY EARPIECE WITH EXTRA LOUD EARPHONE - BLACK (SINGLE WIRE)				
1-Wire Receive-Only Surveillance Kit with Extra-Loud Earpiece, Black, 3.5mm Threaded.				
*APX series require BDN6783 adapter. FM Approved with APX6000/6000XE and APX7000/7000XE.				
*HT1000 & XTS 3000 require BDN6676 adapter. If being used with Remote Speaker Microphone with 3.5mm audio jack, audio adapter is not required.				
*XTS 2500 & XTS 5000 require new adaptor. FM Approved.				
*EX500 & EX600 XLS require PMLN4455 adapter. FM Approved.				
*PR1500 requires BDN6676 adapter. FM Approved				
EARPIECE RECEIVE ONLY WITH VOLUME CONTROL - BEIGE (SINGLE WIRE)				
1-Wire Receive-Only Surveillance Kit with Volume Control and Earpiece, Beige, 3.5mm Threaded.				
*APX series require BDN6783 adapter. FM Approved with APX6000/6000XE and APX7000/7000XE.				
*HT1000, XTS 2500, XTS 3000, & XTS 5000 require BDN6676 adapter. If being used with Remote Speaker Microphone with 3.5mm audio jack, audio adapter is not required.				
*EX500 & EX600 XLS require PMLN4455 adapter. FM Approved.				
*PR1500 requires BDN6676 adapter. FM Approved				
EARPIECE RECEIVE ONLY WITH VOLUME CONTROL - BLACK (SINGLE WIRE)				
1-Wire Receive-Only Surveillance Kit with Volume Control and Earpiece, Black, 3.5mm Threaded.				
*APX series require BDN6783 adapter. FM Approved with APX6000/6000XE and APX7000/7000XE.				
*XTS 3000 requires BDN6676 adapter. If being used with Remote Speaker Microphone with 3.5mm audio jack, audio adapter is not required.				
*XTS 2500 & XTS 5000 requires new adaptor. FM Approved.				
*EX500 & EX600 XLS require PMLN4455 adapter. FM Approved.				
*PR1500 requires BDN6676 adapter. FM Approved.				
EARPIECE WITH MICROPHONE & PTT COMBINED - BEIGE (2 WIRE)				
2-Wire Receive-Only Surveillance Kit with Earpiece, Beige, 3.5mm Threaded.				
*APX series require BDN6783 adapter. FM Approved with APX6000/6000XE and APX7000/7000XE.				
*XTS 2500, XTS 3000 & XTS 5000 require BDN6676 adapter. If being used with Remote Speaker Microphone with 3.5mm audio jack, audio adapter is not required.				
*EX500 & EX600 XLS require PMLN4455 adapter. FM Approved.				
*PR1500 requires BDN6676 adapter. FM Approved.				
EARPIECE WITH MICROPHONE & PTT COMBINED - BLACK (2 WIRE)				
2-Wire Receive-Only Surveillance Kit with Earpiece, Black, 3.5mm Threaded.				
*APX series require BDN6783 adapter. FM Approved with APX6000/6000XE and APX7000/7000XE.				
*XTS 2500, XTS 3000 & XTS 5000 require BDN6676 adapter. If being used with Remote Speaker Microphone with 3.5mm audio jack, audio adapter is not required.				
*EX500 & EX600 XLS require PMLN4455 adapter. FM Approved.				
*PR1500 require BDN6676 adapter. FM Approved.				

EARPIECE, MIC & PTT COMBINED W/EXTRA LOUD EARPIECE - BEIGE (2 WIRE) BDN6669 742 \$118.00

2-Wire Receive-Only Surveillance Kit with Extra-Loud Earpiece, Beige, 3.5mm Threaded.

*APX series require BDN6783 adapter. FM Approved with APX6000/6000XE and APX7000/7000XE.

*HT1000, XTS 2500, XTS 3000 & XTS 5000 require BDN6676 adapter. If being used with Remote Speaker Microphone with 3.5mm audio jack, audio adapter is not required. FM Approved.

*EX500 & EX600 XLS require PMLN4455 adapter. FM Approved.

*PR1500 requires BDN6676 adapter. FM Approved.

EARPIECE, MIC & PTT COMBINED W/EXTRA LOUD EARPIECE - BLACK (2 WIRE) BDN6731 742 \$118.00

2-Wire Receive-Only Surveillance Kit with Extra-Loud Earpiece, Black, 3.5mm Threaded.

*APX series require BDN6783 adapter. FM Approved with APX6000/6000XE and APX7000/7000XE.

*HT1000 & XTS 3000 require BDN6676 adapter. *XTS 2500 & XTS 5000 require new adaptor. FM Approved.

*EX500 & EX600 XLS require PMLN4455 adapter. FM Approved.

EARPIECE WITH MICROPHONE & PTT SEPARATE - BEIGE (3 WIRE) BDN6668 742 \$135.00

3-Wire Receive-Only Surveillance Kit with Earpiece, Beige, 3.5mm Threaded

*APX series require BDN6783 adapter. FM Approved with APX6000/6000XE and APX7000/7000XE.

*HT1000, XTS 2500, XTS 3000 & XTS 5000 require BDN6676 adapter. If being used with Remote Speaker Microphone with 3.5mm audio jack, audio adapter is not required. FM Approved.

*EX500 & EX600 XLS require PMLN4455 adapter. FM Approved.

*PR1500 requires BDN6676 adapter. FM Approved.

EARPIECE WITH MICROPHONE & PTT SEPARATE - BLACK (3 WIRE) BDN6730 742 \$135.00

3-Wire Receive-Only Surveillance Kit with Earpiece, Black, 3.5mm Threaded.

*APX series require BDN6783 adapter. FM Approved with APX6000/6000XE and APX7000/7000XE.

*HT1000 & XTS 3000 require BDN6676 adapter.

*XTS 2500 & XTS 5000 require new adaptor. FM Approved.

*EX500 & EX600 XLS require PMLN4455 adapter. FM Approved.

*PR1500 requires BDN6676 adapter. FM Approved.

EARPIECE W/MIC & PTT SEPARATE W/XTRA LOUD EARPIECE - BEIGE (3 WIRE) BDN6670 742 \$150.00

3-Wire Receive-Only Surveillance Kit with Extra-Loud Earpiece, Beige, 3.5mm Threaded.

*APX series require BDN6783 adapter. FM Approved with APX6000/6000XE and APX7000/7000XE.

*HT1000, XTS 2500, XTS 3000, & XTS 5000 require BDN6676 adapter. If being used with Remote Speaker Microphone with 3.5mm audio jack, audio adapter is not required. FM Approved.

*EX500 & EX600 XLS require PMLN4455 adapter.

*PR1500 requires BDN6676 adapter. FM Approved.

EARPIECE W/MIC & PTT SEPARATE W/XTRA LOUD EARPIECE - BLACK (3 WIRE) BDN6732 742 \$150.00

3-Wire Receive-Only Surveillance Kit with Extra-Loud Earpiece, Black, 3.5mm Threaded.

*APX series require BDN6783 adapter. FM Approved with APX6000/6000XE and APX7000/7000XE.

*HT1000 & XTS 3000 require BDN6676 adapter.

*EX500 & EX600 XLS require PMLN4455 adapter. FM Approved.

*PR1500 requires BDN6676 adapter. FM Approved.

RECEIVE ONLY SURV KIT (BLACK) /NOISE RLN5313B 742 \$54.00

1-Wire Receive-Only Surveillance Kit with Translucent Tube, Black, 3.5mm Threaded.

*APX series require BDN6783 adapter.

CMFRT EARPC W/MIC & PTT BLK RLN5312B 742 \$123.00

Wire Receive-Only Surveillance Kit with Translucent Tube, Black, 3.5mm Threaded.

*APX series require BDN6783 adapter.

Surveillance (Wired) Accessory Replacement Parts

Description	Nomenclature	APC	Price
QUICK DISCONNECT ACOUSTIC TUBE	RLN6242A	742	\$7.90
REPLACEMENT EAR TIPS, CLEAR-50/PAK	RLN6282A	742	\$45.25
FOAM EARPLUGS (PACK OF 50) - FOR USE WITH NTN8370	5080384F72	644	\$117.00
Noise Reduction Rating = 26dB.			
SURVEILLANCE LOW NOISE KIT	RLN5886A	742	\$20.00
SURVEILLANCE HIGH NOISE KIT	RLN5887A	742	\$32.00
SMALL CUSTOM EARPIECE, RIGHT EAR	RLN4760	742	\$20.50
MEDIUM CUSTOM EARPIECE, RIGHT EAR	RLN4761	742	\$20.50
LARGE CUSTOM EARPIECE, RIGHT EAR	RLN4762	742	\$20.50
SMALL CUSTOM EARPIECE, LEFT EAR	RLN4763	742	\$20.50
MEDIUM CUSTOM EARPIECE, LEFT EAR	RLN4764	742	\$20.50
LARGE CUSTOM EARPIECE, LEFT EAR	RLN4765	742	\$20.50

Data Compiled 30-Dec-2014 using DUP and all prices in USD

2-WAY RADIO ACCESSORIES

APX 3000 & APX 4000 Product Series Radios

NOTE: otherwise stated please assume any accessories are compatible with all of the products listed above

[Ship Card](#)

The APX P25 mission critical two-way radio series redefines safety in portable communication. From the fire line to the factory line, APX puts the right devices into the hands of the right user. Every feature and function is designed with its users in mind - from the rugged, easy to operate design to the loudest, clearest audio. The result is the ability to keep your people and community safer than ever before.

Extend the power and reliability of your radio with the only complete line of accessories designed, tested and certified for optimal performance with APX portables. This flexible portfolio offers solutions that meet your customers' specific needs. This includes a robust and complete portfolio of remote speaker microphones including the XE Remote Speaker Microphone which has been designed specifically for harsh conditions for the fireground. And the APX Mission Critical Wireless portfolio delivers best-in-class Bluetooth® wireless designed specifically for first responders. While our IMPRES smart battery and charger solutions ensure your responders have a battery that is ready to go at the moment they need it.

Every Motorola battery, charger, audio accessory, carry case and antenna is best-in-class technology, designed and optimized specifically for your APX portable.

[Two-Way Radio Accessories Home Page](#)

[APX Accessory & Energy Catalog](#)

[Battery Warranty](#)

[Battery Storage, Handling & Care Tips](#)

Note: many of the below categories contain hyperlinks. External links need to be opened in a New Tab or New Window

2-Way Radio Accessories

Adapters

Description
 APX SURVEILLANCE KEYLOAD A
 APX FPP HW KEY (DONGLE)
 AUDIO ACCY ADPT 3.5MM W/PTT

Nomenclature	APC	Price
NNTN7869A	742	\$65.00
NNTN7526	655	\$37.00
BDN6783B	795	\$73.00

Antennas - APX 3000

Description
 APX 7000 700/800- GPS ANTENNA
 UHF (380-520) GPS ANTENNA
 PSM is tested and certified to support PMAE4065 for UHF R1/R2 MHz (380-520) on APX 6000/XE/LI and APX 7000/XE. When a PSM is attached to APX 7000 U1/78 or U2/78 (dual band); UHF frequencies- RF will not route to the PSM antenna port; RF will route to the radio's antenna. 7/800 frequencies- RF will route to the PSM antenna port; RF will not route to the radio's antenna.
 Radio requires GPS antenna (NAG4000) when Public Safety Microphone is attached
 ANT_HLCL_136MHZ_MIN_1.577GHZ M
 DRIBBLE ANTENNA 764-870MHZ + GPS
 ANTENNA, FLEXIBLE, 380-520MHZ + GPS
 DRIBBLE ANTENNA 136-174MHZ + GPS

Nomenclature	APC	Price
NAF5085A	555	\$45.00
PMAE4065A	795	\$21.00
NAR6593A	555	\$38.00
PMAF4006A	536	\$100.00
PMAE4080A	536	\$100.00
PMAD4125	536	\$100.00

Antennas - APX 4000

Description
 APX 7000 700/800- GPS ANTENNA
 UHF (380-520) GPS ANTENNA
 PSM is tested and certified to support PMAE4065 for UHF R1/R2 MHz (380-520) on APX 6000/XE/LI and APX 7000/XE. When a PSM is attached to APX 7000 U1/78 or U2/78 (dual band); UHF frequencies- RF will not route to the PSM antenna port; RF will route to the radio's antenna. 7/800 frequencies- RF will route to the PSM antenna port; RF will not route to the radio's antenna.
 Radio requires GPS antenna (NAG4000) when Public Safety Microphone is attached
 ANT_HLCL_136MHZ_MIN_1.577GHZ M
 ANT 1/4 WAVE 7/800 STUBBY
 PSM is tested and certified to use antenna NAR6595 for 700/800 MHz on APX 6000/XE/LI and APX 7000/XE.
 When a PSM is attached to APX 7000 U1/78 or U2/78 (dual band); UHF frequencies- RF will not route to the PSM antenna port; RF will route to the radio's antenna. 7/800 frequencies- RF will route to the PSM antenna port; RF will not route to the radio's antenna

Nomenclature	APC	Price
NAF5085A	555	\$45.00
PMAE4065A	795	\$21.00
NAR6593A	555	\$38.00
NAR6595A	555	\$29.00

Description
 UHF1 GPS STUBBY ANTENNA
 UHF1 GPS STUBBY ANTENNA
 PSM is tested and certified to support FAF5260A for UHF R1 MHz on APX 6000/XE/LI and APX 7000/XE.
 When a PSM is attached to APX 7000 U1/78 or U2/78 (dual band); UHF frequencies- RF will not route to the PSM antenna port; RF will route to the radio's antenna. 7/800 frequencies- RF will route to the PSM antenna port; RF will not route to the radio's antenna.
 Radio requires GPS antenna (NAG4000) when Public Safety Microphone is attached
 UHF1 GPS STUBBY ANTENNA

Nomenclature	APC	Price
FAF5259A	481	\$60.00
FAF5260A	481	\$60.00

PSM is tested and certified to support FAF5260A for UHF R1 MHz (380-520) on APX 6000/XE/LI and APX 7000/XE. When a PSM is attached to APX 7000 U1/78 or U2/78 (dual band); UHF frequencies- RF will not route to the PSM antenna port; RF will route to the radio's antenna. 7/800 frequencies- RF will route to the PSM antenna port; RF will not route to the radio's antenna.
 Radio requires GPS antenna (NAG4000) when Public Safety Microphone is attached

Batteries

Description
 BATT IMP STD LI ION 1900M 2000T
 BATT IMP FM LI ION 2300M2350T
 BATT IMP LI ION 2300M 2350T
 BATTERY PACK, MAH, BATT IMP STD IP67 LIION2700M2800T
 BATT IMP STD LI ION 1250M 1300T
 ONLY compatible with APX 3000 series radios

Nomenclature	APC	Price
NNTN8128BR	453	\$100.00
NNTN8129AR	453	\$130.00
PMNNN4424AR	453	\$115.00
PMNNN4448AR	453	\$125.00
NNTN8305AR	453	\$100.00

Battery Chargers

Description
 110 VAC 50/60 HZ US IMPRES SUC
 ACCESSORY,ACCESSORY,CHARGER,IMPRES MUC W/DISPLAY - US/NA PLUG
 ACCESSORY,ACCESSORY,CHARGER,IMPRES MUC - US/NA PLUG
 ACCESSORY KIT,CHR IMP VEH EXT NAEU BASE
 MOTO TRBO TRAVEL CHARGER
 ACCESSORY IMPRES CHARGER DISPLAY SALES MODULE (CDM)
 Display Module for IMPRES Multi-Unit Charger
 WALL MOUNT KIT FOR IMPRES MULTI-UNIT CHARGER
 Wall Mount Bracket for IMPRES Multi-Unit Charger
 INSERT, UNIVERSAL MUC
 Only compatible with XTS Multi Unit Chargers
 INSERT, UNIVERSAL SUC
 Only compatible with XTS Single Unit Chargers

Nomenclature	APC	Price
WPLN4232A	785	\$63.00
WPLN4219B	785	\$590.00
WPLN4212B	785	\$495.00
NNTN7616C	785	\$380.00
RLN6433B	785	\$95.00
RLN5382C	785	\$95.00
NLN7967	476	\$21.00
NNTN8170A	453	\$207.00
NNTN8169A	453	\$45.00

Battery Fleet Management

Description
 FLEET MANAGEMENT CHRGR INTERFACE UNIT
 Multi-Unit Charger Interface Unit, attaches to an APX or XTS IMPRES multi-unit charger to enable the data transfer to IMPRES Battery Fleet Management. A CIU is required for IMPRES chargers that report data to IMPRES Battery Fleet Management.
 CHARGR INTRFCE UNT GEN1 IMPRES SUC
 Single-Unit Charger Interface Unit, attaches to an APX IMPRES single-unit charger to enable the data transfer to IMPRES Battery Fleet Management. A CIU is required for IMPRES chargers that report data to the IMPRES Battery Fleet Management.
 NA FLEET MANAGEMENT LICENSE KEY
 IMPRES BATTERY DATA READER
 Provides IMPRES battery users ability to access key usage data via PC. Compatible w/all IMPRES batteries (HT/PRO,TRBO &

Nomenclature	APC	Price
NNTN7677A	291	\$80.00
NNTN8045A	291	\$35.00
HKVN4036A	785	\$489.00
NNTN7392	785	\$250.00

APX adapter (included)

[Bluetooth Mission Critical Wireless](#)

Note: requires QA00583 to be ordered in the APX radio in order to enable Bluetooth software

Description	Nomenclature	APC	Price
ASSEMBLY ACCESSORY WIRELESS ACCY KIT NFP 12 CABLE	NTN2570C	742	\$295.00
Mission Critical Wireless Earpiece with 12 inch cable and Push-To-Talk pod			
WIRELESS 2.0 COMMPORT IC MODULE	NTN2571B	742	\$139.00
Mission Critical Wireless Push-To-Talk pod (POD ONLY)			
MC WIRELESS REMOTE CONTROL KEYFOB & US CHARGER	NNTN8442A	742	\$350.00
COVERT PACK-N-GO KIT	RLN6489A	742	\$700.00
COVERT PACK-N-GO KIT, ADVANCED	RLN6501A	742	\$1,100.00
COMPLETELY DISCREET WRLS SURVEILLANCE KIT	NNTN8434A	372	\$515.00
Kit Includes: Wireless Neckloop Y-adapter and retention hook (NNTN8385), Completely Discreet Earpiece Kit (RLN4922), Mission Critical Wireless Push-to-Talk pod (NTN2571), Optional Item not Included: Neckloop Retention Clip: (NNTN8457A)			
COMPLETELY DISCREET EARPIECE KIT	RLN4922	742	\$340.00
Wireless Earpiece, communicates to the radio through an inductive neckloop. The kit includes the wireless receiver, six spare batteries and five spare earguards			
Y-ADAPTER FOR WRLS BLUETOOTH PTT POD	NNTN8385A	742	\$100.00
Wireless neckloop Y-adapter and retention hook			
1-WIRE EARBUD,29CM CORD,BLACK	NNTN8294A	742	\$40.00
1-WIRE EARBUD,116CM CORD,BLACK	NNTN8295A	742	\$40.00
2-WIRE EARBUD,116CM CORD,BLACK	NNTN8298A	742	\$50.00
ACCY,KIT,EAR PIECE,2W SHORT CORD,BL	NNTN8296A	742	\$180.00
This covert kit includes 2 sets of two-wire earbud headphones (1 black and 1 white), a single-wire black earbud headphone and a 3.5mm adapter that allows to plug in any consumer off-the-shelf headphones. A Mission Critical Wireless Push-To-Talk pod (NTN2571) must be ordered separately to power the earpieces			
1-WIRE SURVEILLANCE KIT FOR OCW/MCW	PMLN7052A	742	\$52.00

[Bluetooth Mission Critical Wireless Replacement Parts](#)

Description	Nomenclature	APC	Price
EARTIPS, REPLACEMENT	NNTN8299A	742	\$3.15
Replacement earrips for NNTN8294A, NNTN8295A or NNTN8296A. Contains two ear tips in each size and one clip.			
EARTIPS, BULK REPLACEMENT	NNTN8361A	742	\$29.50
Replacement ear tips kit for wireless ear buds. Contains: 20 Small ear buds, 20 Medium, 20 Large, and 10 clips			
EARPIECE W/12" CABLE	NTN2572A	742	\$156.00
Replacement cable for NTN2570C. FM Certified. MCW BT			

COMMPORT MAINTENANCE KIT

Earpiece Maintenance Kit. Includes 10 silicone ear tubes, 10 microphone seal strips and 2 foam windscreens for Over-the-Ear earpiece

COMMPORT EAR STRAP (PACK OF 10)	NTN89821	115	\$46.00
COMMPORT EAR TUBES (PACK OF 10)	NTN8988A	115	\$17.25
WIRELESS POD SWIVEL CLIP	RLN5037	115	\$26.00
PWR SUPPLY, SMPS, MICRO USB-NA	PMLN6246A	742	\$4.50
Replacement or spare micro-usb plug-in charger for wireless Push-To-Talk Pod	PMPN4027A	785	\$15.00
COMMERCIAL 3.5 EARBUD HEADSET ADAPTER, MULTIPACK	NNTN8737A	742	\$401.00
Pack of 10 adapters	NNTN8457A	372	\$30.00
NECKLOOP RETENTION HOOK, BULK REPLACEMENT			
Pack of 10 units			

Belt Clips

Description	Nomenclature	APC	Price
BELT CLIP 2"	PMLN4651A	271	\$11.00
Compatible with NNTN8128, NNTN8129, PMNN4424, PMNN4448 batteries only			
2.5-INCH BELT CLIP	PMLN7008A	271	\$12.00
Compatible with NNTN8128, NNTN8129, PMNN4424, PMNN4448 batteries only			

Carrying Solutions - APX 3000

Description	Nomenclature	APC	Price
APX3000 COVERT CARRY HOLSTER	PMLN6327A	271	\$30.00

Carrying Solutions - APX 4000

Description	Nomenclature	APC	Price
APX2000/4000 SW LEATHER CARRY CASE2	PMLN6085A	271	\$60.00
ONLY compatible with the APX 4000 one-knob configuration			
CARRY ACCESSORY-CASE,HARD LEATHER CARRY CASE	PMLN7182A	271	\$60.00
ONLY compatible with the APX 4000 two-knob configuration			
APX 7000 2.5" REPLACEMENT SWIVEL BELT LOOP	PMLN5407	271	\$12.00
Replacement 2.5 inches Leather Swivel Belt Loop			

CommPort

Description	Nomenclature	APC	Price
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COMMPORT APX W/ PALM PTT	RLN6480A	742	\$419.00
COMMPORT APX W/ RADIO ADAPTER PTT	RLN6481A	742	\$419.00
COMMPORT APX W/ RING PTT	RLN6482A	742	\$429.00
COMMPORT APX W/ SNAP-ON-SIDE PTT	RLN6483A	742	\$429.00
COMMPORT APX W/ BODY PTT	RLN6484A	742	\$513.00

CommPort Replacement Items

Description	Nomenclature	APC	Price
REPLACEMENT PALM PTT CABLE FOR NTN1624 & NTN1723	NKN6510	115	\$53.00
REPLACEMENT CABLE FOR NTN1625 & NTN1722	NKN6508	115	\$34.50
REPLACEMENT SNAP ON SIDE PTT CABLE FOR NTN1736 & NTN1737	NKN6525	115	\$75.00
REPLACEMENT RING PTT CABLE FOR NTN1663 & NTN1724	NKN6512	115	\$60.25
COMMPORT REPLACE REMOTE PTT BODY	NNTN4188	115	\$180.00
EAR MIC ASSEMBLY	NTN8819B	115	\$291.00
COMMPORT MAINTENANCE KIT	NTN8821	115	\$46.00
Earpiece Maintenance Kit. Includes 10 silicone ear tubes, 10 microphone seal strips and 2 foam windscreens for Over-the-Ear earpiece			
COMMPORT EAR STRAP (PACK OF 10)	NTN8988A	115	\$17.25
COMMPORT EAR TUBES (PACK OF 10)	RLN5037	115	\$26.00
CLIP COLLAR	4285838B01	115	\$3.45
CLIP BELT	4202006A01	742	\$20.00

[Earpieces](#)

Description	Nomenclature	APC	Price
BONE CONDUCTION EAR MIC			
IMPRES Ear Microphone System with Programmable Button and Large Push-to-Talk: Lightweight earpiece that picks up sound through bone conduction			
EARGUARD	0180300E25	742	\$68.00
EARHOLDER SMALL BLK	0180358B32	742	\$20.00
EARHOLDER MEDIUM BLK	0180358B33	742	\$19.00
EARHOLDER LARGE BLK	0180358B34	742	\$20.00
EARHOLDER MEDIUM CLR	0180358B36	742	\$20.00
EARHOLDER LARGE CLR	0180358B37	742	\$20.00

In digital mode, bone conduction can have a bassier (muffled) sound quality depending on the user

Headsets

Description	Nomenclature	APC	Price
IMPRES TEMPLE TRANSDUCER			
IMPRES Temple Transducer with boom microphone and inline push-to-talk. FM Certified and UL Approved	PMLN5101A	742	\$228.00
New earseals & increased seal pressure C style. It is not FM approved.			
Heavy-Duty Behind-the-Head Headset with Noise-Cancelling boom microphone, noise reduction = 24dB, FM Certified	PMLN5275B	742	\$485.00
CORE LMW HEADSET			
Lightweight Over-the-Head Headset single muff with in-line push-to-talk and boom mic. FM Certified	RMN5058A	742	\$90.00
XBT HEADSET BTN, HEAVY DUTY HEADSET, BT			
XBT Operations Critical Wireless Behind-the-Neck Headset	RLN6490A	742	\$699.00
XBT HEADSET HB, HEAVY DUTY HEADSET, BT			
XBT Operations Critical Wireless Headband Style Headset	RLN6491A	742	\$699.00

Hearing Protection

Description	Nomenclature	APC	Price
ACCESSORY KIT,EP7-SM SONIC DEFENDERS ULTRA EARPLUGS	RLN6511A	742	\$28.50
ACCESSORY KIT,EP7-M SONIC DEFENDERS ULTRA EARPLUGS	RLN6512A	742	\$28.50
ACCESSORY KIT,EP7-LG SONIC DEFENDERS ULTRA EARPLUGS	RLN6513A	742	\$28.50

Heavy Duty Headsets by 3M Peltor

Description	Nomenclature	APC	Price
3M PELTOR MT SERIES 2-WAY COMM HDST MTT7H79A-C5063-34, HEADBAND			
MT Series Over-The-Head Headset, direct radio connect. Noise Reduction Rating: 25 dB	RMN5137A	742	\$587.00
3M PELTOR MT SERIES 2-WAY COMM HDST MTT7H79B-C5063-34, NECKBAND			
MT Series Neckband Headset, direct radio connect. Noise Reduction Rating: 24 dB	RMN5138A	742	\$587.00
3M PELTOR MT SERIES 2-WAY COMM HDST MTT7H79P3E-HARD HAT ATTACH			
MT Series Hard Hat Attached Headset, direct radio connect. Noise Reduction Rating: 21 dB	RMN5139A	742	\$587.00
HEADBAND HEADSET W/ NEXUS JACK			
MT Series Over-the-Head Headset with Nexus connector. Requires PTT Adapter PMLN6095. Noise Reduction Rating: 25 dB	PMLN6088A	742	\$275.00
HEAVY-DUTY HEADSET			
MT Series Neckband Headset with Nexus connector. Requires PTT Adapter PMLN6095. Noise Reduction Rating: 24 dB	RLN6477A	742	\$335.00
2-WAY HARD-HAT MOUNT HEADSET, BLACK			
MT Series Hard Hat Attached with Nexus connector. Requires PTT Adapter PMLN8095. Noise Reduction Rating: 21 dB	RMN4051	742	\$299.00
TACTICAL HEADBAND-STYLE HEADSET, GRAY			
TacticalPro Series Over-The-Head Headset with Nexus connector. Requires PTT Adapter PMLN6095. Noise Reduction Rating: 26 dB	RMN4052	742	\$388.00
AUDIO ACCESSORY-HEADSET,3M PELTOR TACTICALPRO 2-WAY COMMUNICATIONS			
	RMN5135A	742	\$440.00

HEA

TacticalPro Series Neckband Headset with Nexus connector. Requires PTT Adapter PMLN8095. Noise Reduction Rating: 25 dB

TACTICAL HARD-HAT MOUNT HEADSET, GRAY

TacticalPro Series Hard Hat Attached with Nexus connector. Requires PTT Adapter PMLN6095. Noise Reduction Rating: 22 dB

IN-LINE PTT ADAPTER, GCAL

PTT Nexus Adapter

RX ONLY HDBND HDST 3.5MM RT ANGLE P

HT Series Listen Only Over-The-Head Headset with 3.5mm NON threaded connector. Noise Reduction Rating: 25 dB.
APX radios require RSM: PMMN4082, PMMN4089 or PMMN4084

AUDIO ACCESSORY-HEADSET,3M PELTOR HT SERIES LISTEN ONLY HEADSETHTM79B

HT Series Listen Only Neckband Headset with 3.5mm NON threaded connector. Noise Reduction Rating: 24 dB.
APX radios require RSM: PMMN4082, PMMN4089 or PMMN4084

AUDIO ACCESSORY-HEADSET,3M PELTOR HT SERIES LISTEN ONLY HEADSETHTM79P

HT Series Listen Only Hard Hat Attached Headset with 3.5mm NON threaded connector. Noise Reduction Rating: 23 dB.
APX radios require RSM: PMMN4082, PMMN4089 or PMMN4084

RX ONLY HRDHAT MNT 3.5MM RT ANGLE PLUG

HT Series Listen Only Over-The-Head Headset with 3.5 threaded connector. Noise Reduction Rating: 25 dB.
APX radios require RSM: PMMN4084.

RECEIVE-ONLY HARDHAT MOUNT HEADSET WITH 3.5MM THREADED PLUG

HT Series Listen Only Hard Hat Attached Headset with 3.5 threaded connector. Noise Reduction Rating: 23 dB.
APX radios require RSM: PMMN4084.

Public Safety Microphones (PSMs) - APX 3000 ONLY**Description****PSM IP65 WITH 3.5MM JACK RX 18IN**

IMPRES Windporting Public Safety Microphone (18 inch cable) with 3.5mm NON-Threaded Audio Jack, Volume Control, Orange Button. IP Rating IP65, FM Approved.

PSM Antenna needs to be purchased separately. The only antenna currently qualified to work with UHFR1 PSM is PMAE4065A

PSM IP65 WITH 3.5MM JACK RX 24IN

IMPRES Windporting Public Safety Microphone (24 inch cable) with 3.5mm NON-Threaded Audio Jack, Volume Control, Orange Button. IP Rating IP65, FM Approved.

PSM Antenna needs to be purchased separately. The only antenna currently qualified to work with UHFR1 PSM is PMAE4065A

PSM IP65 WITH 3.5MM JACK RX 30IN

IMPRES Windporting Public Safety Microphone (30 inch cable) with 3.5mm NON-Threaded Audio Jack, Volume Control, Orange Button. IP Rating IP65, FM Approved.

PSM Antenna needs to be purchased separately

Remote Speaker Microphones (RSMs)**Description****IMPRES RSM DISPLAY W JACK, W CHNL**

IMPRES Display RSM with Audio Jack, Channel Selector, Volume Control, 2-Programmable Buttons and Orange Button.
Windporting, Rugged, Submersible (IP68), Indoor/Outdoor use. FM Approved and UL Approved

Nomenclature	APC	Price
HMND104B	372	\$375.00

IMPRES RSM DSPLY W JACK, NO CHNL	HMN4103B	372	\$345.00
IMPRES Display RSM with Audio Jack, Volume Control, 2-Programmable Buttons and Orange Button, Windporting, Rugged, Submersible (IP68), Indoor/Outdoor use, FM Approved and UL Approved			
IMPRES RSM NO DSPLY W JACK, NO CHNL	HMN4101B	372	\$300.00
IMPRES RSM with Audio Jack, Volume Control, 2-Programmable Buttons and Orange Button, Windporting, Rugged, Submersible (IP68), Indoor/Outdoor use, FM Approved and UL Approved			
APX7000 IMPRES RSM, NOISE CANG. EMERGENCY BUTTON 3.5MM JACK IP54	PMMN4062A	372	\$107.00
IMPRES RSM with NON-Threaded Audio Jack, Orange Button, Noise Cancelling (IP54), Indoor use, FM Approved and UL Approved			
APX IMPRES RSM WVOL, IP57	PMMN4065A	372	\$97.00
IMPRES RSM with Volume Toggle Switch, Orange Button and 1-Programmable Button, Windporting (IP57), Indoor/Outdoor use, FM Approved and UL Approved			
IMPRES RSM, 3.5MM AUDIO JACK	PMMN4069A	372	\$110.00
IMPRES RSM with NON-Threaded Audio Jack, Windporting (IP55), Indoor use, FM Approved and UL Approved			
IMPRES RSM DELTA-T,	PMMN4083A	795	\$125.00
IMPRES RSM Windporting, Rugged (IP68), Indoor/Outdoor use, FM Approved			
PLUS RSM NC IP54 THRD 3.5MM JACK RX	PMMN4084A	795	\$95.00
IMPRES RSM with 3.5mm Threaded and NON-Threaded Audio Jack and Orange Button, Noise Cancelling (IP54), Indoor use, FM Approved			
AUDIO ACCESSORY-REMOTE SPEAKER MICROPHONE,IMPRES WINDPORTING RSM, IP55	PMMN4099A	372	\$120.00
IMPRES Windporting RSM with Volume Toggle Switch, Orange Button, 3.5mm NON-Threaded Jack (IP55), Indoor use			
IMPRES XP RSM FOR APX W/ DUAL MIC NOISE SUPPRESSION	NMN6271A	372	\$325.00
IMPRES RSM with Dual microphone noise cancellation technology, Volume Control, 1-Programmable Button and Orange Button, Rugged, Submersible (IP68)			
IMPRES XP RSM FOR APX W/ DUAL MIC NOISE SUPPRESSION, 3.5MM THRDJACK	NMN6274A	372	\$335.00
IMPRES RSM with Dual microphone noise cancellation technology, 3.5mm threaded Jack, Volume Control, 1-Programmable Button and Orange Button (IP55)			
ACCESSORY KIT,APX WIRELESS RSM W/ DUC US/NA/JPTW	RLN6554A	372	\$300.00
APX Wireless RSM Kit: Includes battery, clip, dual-unit charger (DUC), and power supply			
MISSION CRITICAL WIRELESS RSM W/ BATTERY AND CLIP	RLN6544A	372	\$250.00
APX Wireless RSM: Includes battery and clip. DOES NOT INCLUDE CHARGER			

[Remote Speaker Microphones \(RSMs\) Accessories and Replacement Parts](#)

Description	Nomenclature	APC	Price
RX/TX BOOMLESS TEMPLE TRANSDUC	RMN5116A	742	\$248.00
Temple Transducer Headset will ONLY work with: Microphone Compatibility HMN4101, HMN4103, HMN4104, FM Approved and UL Approved			
RECEIVE-ONLY FOAM EARBUD WITH 3.5MM PLUG - INTRINSICALLY SAFE	AARLN4885	742	\$25.00
UL Approved			
RX ONLY EARPIECE W/TRANSLUCENT TUBE	RLN6424B	742	\$80.00

Compatible with HMN4104, HMN4103 and HMN4101 Remote Speaker Mics ONLY, FM Approved and UL Approved

RECEIVE ONLY EARPIECE W/TRANSLUCENT TUBE

EAR RCVR W/COIL CBL&3.5MM PLUG

REPLACEMENT CLEAR ACOUSTIC TUBE

RUBBER EAR TIP, CLEAR

Pack of 10 clear rubber earlips

REPLACEMENT RUBBER EARTIPS, CLEAR - PACK OF 25

FOAM EARPLUGS (PACK OF 50) - FOR USE WITH NTN8370

Noise Reduction Rating = 26dB.

DISPLAY RSM EXT CABLE

DRSM INTERFACE CABLE NEXUS M-4

DRSM INTERFACE CABLE HIROSE F-

DISPLAY RSM GCAI, REPLACEABLE CABLE

Replacement Coil Cord Kit for HMN4104, HMN4103 and HMN4101

IMPRES RSM REPL COIL CORD

Replacement Coil Cord Kit for PMMN4062, PMMN4065, PMMN4069, PMMN4083 and PMMN4099

CHR STD DUC EXT US/JPN/AI/TAIWAN

Wireless RSM Dual Unit Charger (desk charger), Includes power supply

CHR STD TRVL EXT REGION

Wireless RSM Vehicular Charger

BATT STD LION 1800T

Wireless RSM Battery, 1800ma Lion

Surveillance Kits (Wired)

Description	Nomenclature	APC	Price
IMPRES 3 WIRE W/ TRANS TUBE-BLK	PMLN6123A	742	\$173.00
IMPRES 3-Wire Surveillance Kit with translucent tube, programmable button, black, FM Approved			
IMPRES 3 WIRE W/ TRANS TUBE-BGE	PMLN6124A	742	\$173.00
IMPRES 3-Wire Surveillance Kit with translucent tube, programmable button, beige, FM Approved			
1 WIRE SURVEILLANCE KIT-BLACK	PMLN6125A	742	\$40.00
1-Wire Receive-only earpiece, black, FM Approved			
1 WIRE SURVEILLANCE KIT-BIEGE	PMLN6126A	742	\$40.00
1-Wire Receive-only earpiece, beige, FM Approved			
IMPRES 2 WIRE SURVEILLANCE -BLK	PMLN6127A	742	\$105.00
IMPRES 2-Wire Surveillance Kit, programmable button, black, FM Approved			
IMPRES 2 WIRE SURVEILLANCE-BGE	PMLN6128A	742	\$105.00
IMPRES 2-Wire Surveillance Kit, programmable button, beige, FM Approved			
SMART 2 WIRE W/TRANS TUBE BLK	PMLN6129A	742	\$122.00

IMPRES 2-Wire Surveillance Kit with translucent tube, programmable button, black. FM Approved				
SMART 2 WIRE W/TRANS TUBE BIEGE				
IMPRES 2-Wire Surveillance Kit with translucent tube, programmable button, beige. FM Approved				
SPKR MIC W/XLOAD EARPIECE				
3-Wire Surveillance Kit, with Extra Loud Earpiece, Beige, Hirose Connector.				
*APX series require NNTN7869 Hirose Adapter.				
2-WIRE SURVEILLANCE KIT WITH MICROPHONE AND PTT COMBINED - EXTRA LOUD				
3-Wire Surveillance Kit, with Extra Loud Earpiece, Beige, Hirose Connector.				
*APX series require NNTN7869 Hirose Adapter.				
*PR1500 requires NTN8613 adapter.				
3-WIRE SURVEILLANCE KIT WITH MICROPHONE & PTT COMBINED, BEIGE				
3-Wire Surveillance Kit, Beige, Hirose Connector.				
*APX series require requires NNTN7869 Hirose Adapter.				
*PR1500 requires NTN8613 adapter.				
2-WIRE SURVEILLANCE KIT WITH MICROPHONE AND PTT COMBINED				
2-Wire Surveillance Kit, Beige, Hirose Connector. Requires NNTN7869 Hirose Adapter.				
*PR1500 - requires NTN8613 adapter				
EARPIECE RECEIVE ONLY WITH STANDARD EARPHONE - BEIGE (SINGLE WIRE)				
1-Wire Receive-Only Surveillance Kit with Earpiece, Beige, 3.5mm Threaded.				
*APX series require BDN6783 adapter. FM Approved with APX6000/6000XE and APXT7000/7000XE.				
*HT1000, XTS 2500, XTS 3000, & XTS 5000 require BDN6676 adapter. If being used with Remote Speaker Microphone with 3.5mm audio jack, audio adapter is not required.				
*EX500 & EX600 XLS require PMLN4455 adapter. FM Approved.				
*PR1500 requires BDN6676 adapter. FM Approved				
EARPIECE RECEIVE ONLY WITH STANDARD EARPHONE - BLACK (SINGLE WIRE)				
1-Wire Receive-Only Surveillance Kit with Earpiece, Black, 3.5mm Threaded.				
*APX series require BDN6783 adapter. FM Approved with APX6000/6000XE and APXT7000/7000XE.				
*HT1000 & XTS 2500, XTS 3000, & XTS 5000 require BDN6676 adapter. If being used with Remote Speaker Microphone with 3.5mm audio jack, audio adapter is not required.				
*EX500 & EX600 XLS require PMLN4455 adapter. FM Approved.				
*PR1500 requires BDN6676 adapter. FM Approved				
EARPIECE RECEIVE ONLY WITH EXTRA LOUD EARPHONE - BEIGE (SINGLE WIRE)				
1-Wire Receive-Only Surveillance Kit with Extra-Loud Earpiece, Beige, 3.5mm Threaded.				
*APX series require BDN6783 adapter. FM Approved with APX6000/6000XE and APXT7000/7000XE.				
*HT1000, XTS 2500, XTS 3000, & XTS 5000 require BDN6676 adapter. If being used with Remote Speaker Microphone with 3.5mm audio jack, audio adapter is not required.				
*EX500 & EX600 XLS require PMLN4455 adapter. FM Approved.				
*PR1500 requires BDN6676 adapter. FM Approved				
RECEIVE ONLY EARPIECE WITH EXTRA LOUD EARPHONE - BLACK (SINGLE WIRE)				
1-Wire Receive-Only Surveillance Kit with Extra-Loud Earpiece, Black, 3.5mm Threaded.				
*APX series require BDN6783 adapter. FM Approved with APX6000/6000XE and APXT7000/7000XE.				
*HT1000 & XTS 3000 require BDN6676 adapter. If being used with Remote Speaker Microphone with 3.5mm audio jack, audio adapter is not required.				
*XTS 2500 & XTS 5000 require new adaptor. FM Approved.				
*EX500 & EX600 XLS require PMLN4455 adapter. FM Approved.				
*PR1500 requires BDN6676 adapter. FM Approved				
EARPIECE RECEIVE ONLY WITH VOLUME CONTROL - BEIGE (SINGLE WIRE)				
1-Wire Receive-Only Surveillance Kit with Volume Control and Earpiece, Beige, 3.5mm Threaded.				
*APX series require BDN6783 adapter. FM Approved with APX6000/6000XE and APXT7000/7000XE.				

PMLN6130A 742 \$122.00

ZMNN6039 742 \$190.00

ZMNN6038 476 \$149.00

ZMNN6031 742 \$177.00

ZMNN6032 476 \$143.00

BDNN6664 742 \$40.00

BDNN6726 742 \$40.00

BDNN6665 742 \$42.00

BDNN6727 742 \$42.00

BDNN6666 742 \$53.00

*HT1000, XTS 2500, XTS 3000, & XTS 5000 require BDN6676 adapter. If being used with Remote Speaker Microphone with 3.5mm audio jack, audio adapter is not required, FM Approved.
 *EX500 & EX600 XLS require PMLN4455 adapter. FM Approved.
 *PR1500 requires BDN6676 adapter. FM Approved

EARPIECE RECEIVE ONLY WITH VOLUME CONTROL - BLACK (SINGLE WIRE)

BDN6728 742 \$53.00

1-Wire Receive-Only Surveillance Kit with Volume Control and Earpiece, Black, 3.5mm Threaded.
 *APX series require BDN6783 adapter. FM Approved with APX6000/6000XE and APX7000/7000XE.
 *XTS 3000 requires BDN6676 adapter. If being used with Remote Speaker Microphone with 3.5mm audio jack, audio adapter is not required.
 *XTS 2500 & XTS 5000 requires new adapter. FM Approved.
 *EX500 & EX600 XLS require PMLN4455 adapter. FM Approved.
 *PR1500 requires BDN6676 adapter. FM Approved.

EARPIECE WITH MICROPHONE & PTT COMBINED - BEIGE (2 WIRE)

BDN6667 742 \$114.00

2-Wire Receive-Only Surveillance Kit with Earpiece, Beige, 3.5mm Threaded.
 *APX series require BDN6783 adapter. FM Approved with APX6000/6000XE and APX7000/7000XE.
 *XTS 2500, XTS 3000 & XTS 5000 require BDN6676 adapter. If being used with Remote Speaker Microphone with 3.5mm audio jack, audio adapter is not required.
 *EX500 & EX600 XLS require PMLN4455 adapter. FM Approved.
 *PR1500 requires BDN6676 adapter. FM Approved.

EARPIECE WITH MICROPHONE & PTT COMBINED - BLACK (2 WIRE)

BDN6729 742 \$114.00

2-Wire Receive-Only Surveillance Kit with Earpiece, Black, 3.5mm Threaded.
 *APX series require BDN6783 adapter. FM Approved with APX6000/6000XE and APX7000/7000XE.
 *XTS 2500, XTS 3000 & XTS 5000 require BDN6676 adapter. If being used with Remote Speaker Microphone with 3.5mm audio jack, audio adapter is not required.
 *EX500 & EX600 XLS require PMLN4455 adapter. FM Approved.
 *PR1500 requires BDN6676 adapter. FM Approved.

EARPIECE, MIC & PTT COMBINED W/EXTRA LOUD EARPIECE - BEIGE (2 WIRE)

BDN6669 742 \$118.00

2-Wire Receive-Only Surveillance Kit with Extra-Loud Earpiece, Beige, 3.5mm Threaded.
 *APX series require BDN6783 adapter. FM Approved with APX6000/6000XE and APX7000/7000XE.
 *HT1000, XTS 3000 & XTS 5000 require BDN6676 adapter. If being used with Remote Speaker Microphone with 3.5mm audio jack, audio adapter is not required. FM Approved.
 *EX500 & EX600 XLS require PMLN4455 adapter. FM Approved.
 *PR1500 requires BDN6676 adapter. FM Approved.

EARPIECE, MIC & PTT COMBINED W/EXTRA LOUD EARPIECE - BLACK (2 WIRE)

BDN6731 742 \$118.00

2-Wire Receive-Only Surveillance Kit with Extra-Loud Earpiece, Black, 3.5mm Threaded.
 *APX series require BDN6783 adapter. FM Approved with APX6000/6000XE and APX7000/7000XE.
 *HT1000 & XTS 3000 require BDN6676 adapter. *XTS 2500 & XTS 5000 require new adapter. FM Approved.
 *EX500 & EX600 XLS require PMLN4455 adapter. FM Approved.
 *PR1500 requires BDN6676 adapter. FM Approved.

EARPIECE WITH MICROPHONE & PTT SEPARATE - BEIGE (3 WIRE)

BDN6668 742 \$135.00

3-Wire Receive-Only Surveillance Kit with Earpiece, Beige, 3.5mm Threaded
 *APX series require BDN6783 adapter. FM Approved with APX6000/6000XE and APX7000/7000XE.
 *HT1000, XTS 2500, XTS 3000 & XTS 5000 require BDN6676 adapter. If being used with Remote Speaker Microphone with 3.5mm audio jack, audio adapter is not required. FM Approved.
 *EX500 & EX600 XLS require PMLN4455 adapter. FM Approved.
 *PR1500 requires BDN6676 adapter. FM Approved.

EARPIECE WITH MICROPHONE & PTT SEPARATE - BLACK (3 WIRE)

BDN6730 742 \$135.00

3-Wire Receive-Only Surveillance Kit with Earpiece, Black, 3.5mm Threaded.
 *APX series require BDN6783 adapter. FM Approved with APX6000/6000XE and APX7000/7000XE.
 *HT1000 & XTS 3000 require BDN6676 adapter. If being used with Remote Speaker Microphone with 3.5mm audio jack, audio adapter is not required. FM Approved.

*XTS 2500 & XTS 5000 require new adaptor. FM Approved.
 *EX500 & EX600 XLS requires PMLN4455 adaptor. FM Approved.
 *PR1500 requires BDN6676 adaptor. FM Approved.

EARPIECE W/MIC & PTT SEPARATE W/XTRA LOUD EARPIECE - BEIGE (3 WIRE)

BDN6670

742

\$150.00

3-Wire Receive-Only Surveillance Kit with Extra-Loud Earpiece, Beige, 3.5mm Threaded.

*APX series require BDN6783 adaptor. FM Approved with APX6000/6000XE and APX7000/7000XE.

*HT1000, XTS 2500, XTS 3000, & XTS 5000 require BDN6676 adaptor. If being used with Remote Speaker Microphone with 3.5mm audio jack, audio adapter is not required. FM Approved.

*EX500 & EX600 XLS require PMLN4455 adaptor.

*PR1500 requires BDN6676 adaptor. FM Approved.

EARPIECE W/MIC & PTT SEPARATE W/XTRA LOUD EARPIECE - BLACK (3 WIRE)

BDN6732

742

\$150.00

3-Wire Receive-Only Surveillance Kit with Extra-Loud Earpiece, Black, 3.5mm Threaded.

*APX series require BDN6783 adaptor. FM Approved with APX6000/6000XE and APX7000/7000XE.

*HT1000 & XTS 3000 require BDN6676 adaptor.

*EX500 & EX600 XLS require PMLN4455 adaptor. FM Approved.

*PR1500 requires BDN6676 adaptor. FM Approved.

RECEIVE ONLY SURV KIT (BLACK) /NOISE

RLN5313B

742

\$54.00

1-Wire Receive-Only Surveillance Kit with Translucent Tube, Black, 3.5mm Threaded.

*APX series require BDN6783 adaptor.

CMFRT EARPC W/MIC & PTT BLK

RLN5312B

742

\$123.00

Wire Receive-Only Surveillance Kit with Translucent Tube, Black, 3.5mm Threaded.
 *APX series require BDN6783 adaptor.

[Surveillance \(Wired\) Accessory Replacement Parts](#)

Description	Nomenclature	APC	Price
QUICK DISCONNECT ACOUSTIC TUBE	RLN6242A	742	\$7.90
REPLACEMENT EAR TIPS, CLEAR-50/PAK	RLN6282A	742	\$45.25
FOAM EARPLUGS (PACK OF 50) - FOR USE WITH NTN8370	5080384F72	644	\$117.00
Noise Reduction Rating = 26dB.			
SURVEILLANCE LOW NOISE KIT	RLN5886A	742	\$20.00
SURVEILLANCE HIGH NOISE KIT	RLN5887A	742	\$32.00
SMALL CUSTOM EARPIECE, RIGHT EAR	RLN4760	742	\$20.50
MEDIUM CUSTOM EARPIECE, RIGHT EAR	RLN4761	742	\$20.50
LARGE CUSTOM EARPIECE, RIGHT EAR	RLN4762	742	\$20.50
SMALL CUSTOM EARPIECE, LEFT EAR	RLN4763	742	\$20.50
MEDIUM CUSTOM EARPIECE, LEFT EAR	RLN4764	742	\$20.50
LARGE CUSTOM EARPIECE, LEFT EAR	RLN4765	742	\$20.50

Useful Documents

[Motorola Battery Warranty](#)
[IMPRES Battery Storage, Handling & Care Tips](#)
[APX Accessory Catalog](#)

Data Compiled 30-Dec-2014 using DUP and all prices in USD

Joseph L. McGee

TSO Subscriber Consultant
Global Customer Support - North America
Office Phone: 800 927 2744
Website: www.motorolasolutions.com





APX™ PROJECT 25 RADIO ACCESSORIES



SAFETY WITHOUT COMPROMISE



MISSION CRITICAL PERFORMANCE THAT PUTS SAFETY FIRST

Motorola P25 APX radios deliver what first responders need to increase their safety and improve their situational awareness.

Get the most out of your APX radio by extending its power and reliability with APX accessories. They are the only accessories, tested and certified for use with APX radios. Our accessories endure rigorous testing to help keep you safer. There's simply no substitute for APX accessories.

Hazards that can impede other batteries, don't affect ours. We build superior batteries specifically for Motorola radios, then test them in real-world conditions against other manufacturers to prove they are the toughest and most reliable around.



APX PORTABLE RADIO ACCESSORIES



APX 7000
SERIES



APX 7000XE
SERIES



APX 6000
SERIES



APX 6000XE
SERIES



APX 4000
SERIES

MOTOROLA'S EXCLUSIVE AUDIO FEATURES ARE MADE FOR MISSION CRITICAL MOMENTS

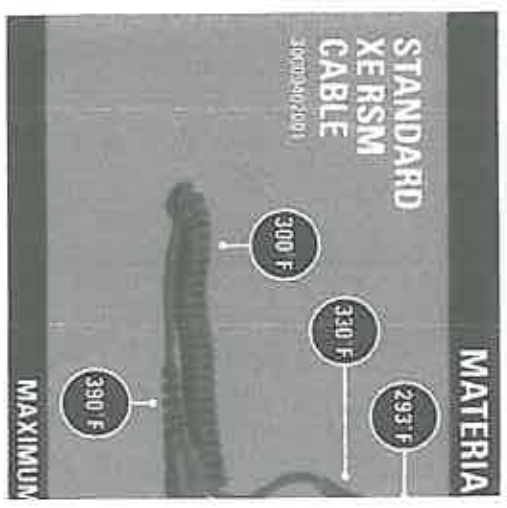
IMPRES™ ENERGY YOUR BATTERY SAFER,
SMARTER, POWERED FOR LONGER

DUAL-MIC NOISE SUPPRESSION: I HEAR YOU,
EVEN WHEN YOU CAN'T HEAR YOURSELF

IMPRES™ AUDIO: I HEAR YOU,
HOWEVER YOU SPEAK

WI
YO

APX PORTABLE RADIO ACCESSORIES



XE REMOTE SPEAKER MICROPHONE (RSM)
Designed by Firefighters for Firefighters.
 This Microphone has exaggerated controls so you can operate with bulky gloves and an asymmetrical shape so you can find the controls you need without looking. Dual Mic Noise Suppression allows clear communications in demanding and extreme noise environments.
I HEAR YOU, EVEN WHEN YOU CAN'T HEAR YOURSELF

COMPATIBILITY	ACCESSORIES	FEATURES
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APX PROJECT 25 RADIO	APX PROJECT 25 MICROPHONE	APX PROJECT 25 ACCESSORIES	APX PROJECT 25 PARTS	APX PROJECT 25 SPEAKERS	APX PROJECT 25 ANTENNAS	APX PROJECT 25 HEADSETS	APX PROJECT 25 BATTERIES	APX PROJECT 25 CHARGERS	APX PROJECT 25 CABLES	APX PROJECT 25 CASES	APX PROJECT 25 OTHER
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XE RSM WITH XTREME TEMPERATURE CABLE

APX 7000 SERIES		Xtreme Temperature Cable High Impact Green Housing	NNTN8575A	Dual Mic Noise Suppression		1	IP68	FM	75 x 100 x 32
APX 7000E SERIES		Xtreme Temperature Cable Black Housing	NNTN8575A81K	Dual Mic Noise Suppression		1	IP68	FM	75 x 100 x 32
APX 7000E SERIES		Xtreme Temperature Cable Yellow Housing	NNTN8575AY1W	Dual Mic Noise Suppression		1	IP68	FM	75 x 100 x 32
APX 7000E SERIES		Xtreme Temperature Replacement Cable (for XE RSM (NNTN8203 and NNTN8575 series))	30009402002	Dual Mic Noise Suppression		1	IP68	FM	75 x 100 x 32

XE RSM WITH STANDARD CABLE

APX 6000 SERIES		Standard Cable High Impact Green Housing	NNTN8203A	Dual Mic Noise Suppression		1	IP68	FM	75 x 100 x 32
APX 6000E SERIES		Standard Cable Black Housing	NNTN8203A81K	Dual Mic Noise Suppression		1	IP68	FM	75 x 100 x 32

APX PORTABLE RADIO ACCESSORIES

APX™ XP REMOTE SPEAKER MICROPHONE DUAL MIC NOISE SUPPRESSION

This Remote Speaker Microphone with its thin design and optimized ergonomics is ideal for police officers and other public safety users.

With Dual Mic Noise Suppression, you will be heard despite traffic noise and sirens in the background.

When it gets dirty, just wash the microphone head to ensure your communication is not compromised.



REMOTE SPEAKER MICROPHONES (RSM) Our robust portfolio includes Remote Speaker Microphones and secondary audio accessories engineered to give you clearer communications even in loud environments.

All remote speaker microphones are built with top quality materials.

APX PORTABLE RADIO	ACCESSORIES	FEATURES	WEIGHT (g)	WEIGHT (oz)	LENGTH (mm)	LENGTH (in)	WIDTH (mm)	WIDTH (in)	DEPTH (mm)	DEPTH (in)
APX 7000 SERIES		IMPREES RSM with Dual Mic Noise Suppression, Volume Control, 1-Programmable Button and Orange Button. Rugged, Submersible (IP55)	95	3.35	88	3.46	27	1.06	105	4.13
		IMPREES RSM with Dual Mic Noise Suppression, 3.5mm threaded Jack, Volume Control, 1-Programmable Button and Orange Button (IP55)	95	3.35	88	3.46	27	1.06	105	4.13
		Wireless RSM w/ Battery, Cup and Dual Unit Charger	105	3.70	95	3.74	30	1.18	110	4.33
APX 4000 SERIES		NINANG271 Calling Soon	95	3.35	88	3.46	27	1.06	105	4.13
		NINANG274 Calling Soon	95	3.35	88	3.46	27	1.06	105	4.13
		Dual Mic Noise Suppression	95	3.35	88	3.46	27	1.06	105	4.13
APX 6000 SERIES		Dual Mic Noise Suppression	95	3.35	88	3.46	27	1.06	105	4.13
		Windproofing	95	3.35	88	3.46	27	1.06	105	4.13
		Step	95	3.35	88	3.46	27	1.06	105	4.13

ACCESSORIES AND REPLACEMENT PARTS

APX 7000 SERIES	APX 4000 SERIES	APX 6000 SERIES	SIX 2000 SERIES



APX PORTABLE RADIO ACCESSORIES

REMOTE SPEAKER MICROPHONES (RSM) Our robust portfolio includes Remote Speaker Microphones and secondary audio accessories engineered to give you clearer communications even in loud environments.

COMPATIBILITY	ACCESSORIES	FEATURES
APX 7000 SERIES	IMPRES Display RSM with Audio Jack, Channel Selector, Volume Control, 2-Programmable Buttons and Orange Button. Windproofing, Rugged, Submersible (IP68)	Small, Windproofing, Volume Control, 2-Programmable Buttons, Orange Button, Windproofing, Rugged, Submersible (IP68)
APX 7000 SERIES	IMPRES Display RSM with Audio Jack, Volume Control, 2-Programmable Buttons and Orange Button. Windproofing, Rugged, Submersible (IP68)	Small, Windproofing, Volume Control, 2-Programmable Buttons, Orange Button, Windproofing, Rugged, Submersible (IP68)
APX 6000E SERIES	IMPRES RSM with Audio Jack, Volume Control, 2-Programmable Buttons and Orange Button. Windproofing, Rugged, Submersible (IP68)	Small, Windproofing, Volume Control, 2-Programmable Buttons, Orange Button, Windproofing, Rugged, Submersible (IP68)
APX 6000E SERIES	IMPRES RSM with Audio Jack, Volume Control, 2-Programmable Buttons and Orange Button. Windproofing, Rugged, Submersible (IP68)	Small, Windproofing, Volume Control, 2-Programmable Buttons, Orange Button, Windproofing, Rugged, Submersible (IP68)
APX 4000 SERIES	IMPRES RSM Windproofing, Rugged (IP68)	Small, Windproofing, Rugged (IP68)
APX 3000 SERIES	IMPRES RSM with 3.5mm Threaded and NON-Threaded Audio Jack and Orange Button. Noise Cancelling (IP54)	Small, Windproofing, Noise-Cancelling (IP54)
SRX 2200 SERIES	IMPRES Windproofing RSM with Volume Toggle Switch, Orange Button, 3.5mm NON-Threaded Jack (IP55)	Small, Windproofing
SRX 2200 SERIES	Windproofing RSM, small, submersible (IP57), Coyote Brown	Small, Windproofing
SRX 2200 SERIES	Windproofing RSM with NON-Threaded 3.5mm Audio Jack, small (IP54), Coyote Brown	Small, Windproofing
APX 7000 SERIES	IMPRES RSM with NON-Threaded Audio Jack, Orange Button, Noise Cancelling (IP54)	Small, Windproofing, Noise-Cancelling (IP54)
APX 7000E SERIES	IMPRES RSM with Volume Toggle Switch, Orange Button and 1-Programmable Button. Windproofing (IP57)	Small, Windproofing
APX 5000 SERIES	IMPRES RSM with NON-Threaded Audio Jack, Windproofing (IP55)	Small, Windproofing
APX 1000 SERIES		
SRX 2200 SERIES		

* Two settings switch for volume - high and low







COMPATIBILITY	ACCESSORIES	FEATURES
APX 7000 SERIES	Receive-Only Covered Earbud with coiled cord	Small, Windproofing, Covered Earbud with coiled cord
APX 7000E SERIES	Receive-Only Earpiece with translucent tube and rubber earrip	Small, Windproofing, Receive-Only Earpiece with translucent tube and rubber earrip
APX 6000 SERIES	Receive-Only Flexible Earpiece	Small, Windproofing, Receive-Only Flexible Earpiece

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APX Remo and Public deliver out to surface.

APX PORTABLE RADIO ACCESSORIES

COMPATIBILITY: APX PROJECT 25 REMOTE SPEAKER MICROPHONE ACCESSORIES

APX PROJECT 25 REMOTE SPEAKER ACCESSORIES	DESCRIPTION	PART NUMBER	COMPATIBILITY
	Display RSM Interface Cable, 5-Pin Nexus Female Receptacle	PMKMA107	5-Pin Nexus Female
	Display RSM Interface Cable 4 Pin Nexus Male Plug	PMKMA112	4 Pin Nexus Male
	Display RSM Interface Cable, 12-Pin Hirose Male Connector	PMKMA113	12-Pin Hirose Male
	Replacement Coil Cord Kit for HMMMA104, 4103 and 4101	3075336917	
	Replacement Coil Cord Kit for PMANNA062, PMANNA065, PMANNA069, PMANNA083 and PMANNA099	RLNS075	
			

COMPATIBILITY: APX PROJECT 25 PUBLIC SAFETY MICROPHONES

Our robust portfolio includes Public Safety Microphones and secondary audio accessories engineered to give you clearer communications even in loud environments.

APX PROJECT 25 PUBLIC SAFETY MICROPHONES	DESCRIPTION	PART NUMBER	FEATURES	TYPE	CONNECTOR	LENGTH	TYPE	SIZE	
	IMPRES Windporting Public Safety Microphone (30 inch cable) with 3.5mm NON-Twisted Audio Jack, Volume Control, Orange Button, PSM Antenna required (PFS5)	PMANNA061	Windporting	Hill/Low	1	3.5mm	PFS5	FM	60 x 78 x 28
	IMPRES Windporting Public Safety Microphone (24 inch cable) with 3.5mm NON-Twisted Audio Jack, Volume Control, Orange Button, PSM Antenna required (PFS5)								

WHICH MICROPHONE IS RIGHT FOR ME?

WINDPORTING AUDIO: I HEAR YOU, NOT THE WIND

If you work outdoors in demanding weather, Windporting microphone is right for you. It reduces the effects of wind and other sounds when you use the microphone. It also prevents water clogging the microphone for clear transmission.

NOISE-CANCELING AUDIO: I HEAR YOU, NOT THE NOISE

Talking in a crowd or near heavy equipment? Noise-Canceling microphone reduces background sounds. To optimize noise reduction, hold microphone in the correct position directly in front of your mouth, facing the source of the noise.

DUAL MIC NOISE SUPPRESSION: I HEAR YOU, EVEN WHEN YOU CAN'T HEAR YOURSELF

Virtually blocks out all background noise in demanding and extreme noise environments so you can always communicate clearly.



APX PORTABLE RADIO ACCESSORIES

COMPATIBILITY™ ACCESSORY
COMMPORT™ Integrated microphone/receiver lets you talk discreetly and hear clearly and still be aware of everything around you, from traffic noise to other responders.

APX PORTABLE RADIO ACCESSORIES	AVAILABLE	FUNCTIONS	FEATURES	INSTALLATION	PTT
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Integrated Ear Microphone/Receiver
System with Palm PTT
(Includes adapter BDN6783)

RIN6480

Over-the-Ear,
Clear Silicone
EarTube

On Earpiece,
Above Ear

Palm



Integrated Ear Microphone/Receiver
System with PTT or Adapter
(Includes adapter BDN6783)

RIN6482

Over-the-Ear,
Clear Silicone
EarTube

On Earpiece,
Above Ear

On Adapter



Integrated Ear Microphone/Receiver
System with Snap-On Side PTT
(Includes adapter BDN6783)

RIN6481

Over-the-Ear,
Clear Silicone
EarTube

On Earpiece,
Above Ear

Side



Integrated Ear Microphone/Receiver
System with Ring PTT
(Includes adapter BDN6783)

RIN6483

Over-the-Ear,
Clear Silicone
EarTube

On Earpiece,
Above Ear

Ring



Integrated Ear Microphone/Receiver
System with Body PTT
(Includes adapter BDN6783)

RIN6484

Over-the-Ear,
Clear Silicone
EarTube

On Earpiece,
Above Ear

Body



HOW DOES COMMPORT™ WORK?

The miniature microphone and receiver connect to your APX radio and fasten securely and comfortably to your ear. Unlike bone conduction or boom mic technology, the CommPort System picks up sound waves as they cross the face so you hear and can be heard, virtually, in any

COMPATIBILITY™ ACCESSORY
COMMPORT™

APX PORTABLE RADIO ACCESSORIES	APX PORTABLE RADIO ACCESSORIES	FUNCTIONS
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Replacement Palm



Replacement Side
RIN6482



Replacement Ring



Replacement Ear
RIN6484



Ear Microphone /



CommPort Maint
(Includes 10 replace
10 microphones &



Adhesive Pads to
(Pack of 90)



Ear Straps for set
(Pack of 10)



Replacement Ear

APX PORTABLE RADIO ACCESSORIES

COMPATIBILITY	ACCESSORY	FEATURES
EAR MICROPHONE SYSTEM		
APX 7000E SERIES	IMPRES Ear Microphone System	IMPRES
APX 7000E SERIES	IMPRES Ear Microphone with Bone Conduction and programmable button, black	<ul style="list-style-type: none"> In-Ear Mic In-Ear Mic Large, Ring-guarded, Recessed
APX 7000E SERIES	Earholder, Black, Small	0160358832
APX 6000E SERIES	Earholder, Black, Medium	0160358833
APX 6000E SERIES	Earholder, Black, Large	0160358934
APX 3000E SERIES	Earholder, Clear, Medium	0160358936
APX 3000E SERIES	Earholder, Clear, Large	0160358937
<p>HOW DOES IMPRES IMPROVE PERFORMANCE?</p> <p>IMPRES enhances the clarity and audio quality of Motorola accessories by reducing ambient noise, improving voice intelligibility. If you speak normally, but not directly into a microphone, IMPRES detects changes in your voice and automatically adjusts the transmitted volume so your first words are heard clearly. You can also adjust the volume up and down.</p>		
<p>SURVEILLANCE KITS AND EARPIECES Transmit and receive discreetly with a variety of surveillance kits that feature a streamlined design and rugged cables that withstand tough conditions. A quick-disconnect, durable and comfortable translucent tube enables easy sharing between shifts.</p>		
APX 7000E SERIES	IMPRES 1-Wire Surveillance Kit	<ul style="list-style-type: none"> Ear Hanger
APX 7000E SERIES	IMPRES 2-Wire Surveillance Kit	<ul style="list-style-type: none"> Ear Hanger
APX 6000E SERIES	1-Wire Receive-only earpiece, beige	PMALN6126
APX 6000E SERIES	1-Wire Receive-only earpiece, black	PMALN6125
APX 4000E SERIES	1-Wire Receive-only earpiece, beige	PMALN6126
APX 4000E SERIES	1-Wire Receive-only earpiece, black	PMALN6127
APX 3000E SERIES	1-Wire Receive-only earpiece, beige	PMALN6126
APX 3000E SERIES	1-Wire Receive-only earpiece, black	PMALN6127
APX 1000E SERIES	1-Wire Receive-only earpiece, beige	PMALN6126
APX 1000E SERIES	1-Wire Receive-only earpiece, black	PMALN6127



APX PORTABLE RADIO ACCESSORIES

COMPATIBILITY: **AMBER/IVY**

FEATURES: **FM APPROVED**

WIRE & MICROPHONE ACCESSORIES

FEATURES

WIRE

MICROPHONE

PTT

FM APPROVED

NO

FEATURES

WIRE

MICROPHONE

PTT

FM APPROVED

NO

NO

NO



MPRES 2-Wire Surveillance Kit with translucent tube, programmable button, black
PMALN129



Clear Rubber Earcup



Mic & PTT combined on a single wire



Mic & PTT combined on a single wire



MPRES 2-Wire Surveillance Kit with translucent tube, programmable button, beige
PMALN130



Clear Rubber Earcup

Mic & PTT combined on a single wire



Mic & PTT combined on a single wire



MPRES 3-Wire Surveillance Kit with translucent tube, programmable button, black
PMALN123



Clear Rubber Earcup



Separate wire



Separate wire

MPRES 3-Wire Surveillance Kit with translucent tube, programmable button, beige
PMALN124



Clear Rubber Earcup

Separate wire



Separate wire



2-Wire Surveillance Kit, with Extra Loud Earpiece, Beige, Hirose Connector, Requires NNTN7859 Hirose Adapter
ZMAN6139

Ear Hanger

Mic & PTT combined on a single wire

Mic & PTT combined on a single wire



3-Wire Surveillance Kit, with Extra Loud Earpiece, Beige, Hirose Connector, Requires NNTN7859 Hirose Adapter
ZMAN6139

Ear Hanger

Separate wire

Separate wire



2-Wire Surveillance Kit, Beige, Hirose Connector, Requires NNTN7859 Hirose Adapter
ZMAN6132

Ear Hanger

Mic & PTT combined on a single wire

Mic & PTT combined on a single wire



3-Wire Surveillance Kit, Beige, Hirose Connector, Requires NNTN7859 Hirose Adapter
ZMAN6131

Ear Hanger

Separate wire

Separate wire



1-Wire Receiver-Only Surveillance Kit with Earpiece, Beige, 3.5mm Threaded, Requires BDN6783
BDNS664

Ear Hanger



1-Wire Receiver-Only Surveillance Kit with Earpiece, Black, 3.5mm Threaded, Requires BDN6783
BDN6726

Ear Hanger

FM approved with APX6000/6600XE and APX7000/7000XE
FM approved with APX6000/6600XE and APX7000/7000XE

APX PORTABLE RADIO ACCESSORIES

COMPATIBILITY	ACCESSORY	MARKET				
		POLICE	FIRE/EMS	MILITARY	FEDERAL AGENCIES	
APX 7000E SERIES	Surveillance Kit with Translucent Tube, Beige, 3.5mm Threaded. Requires BDN6783.					
APX 6000E SERIES	1-Wire Receive-Only Surveillance Kit with Translucent Tube, Black, 3.5mm Threaded. Requires BDN6783.					
APX 5000E SERIES	1-Wire Receive-Only Surveillance Kit with Extra-Loud Earpiece, Beige, 3.5mm Threaded. Requires BDN6783.					
APX 4000E SERIES	2-Wire Receive-Only Surveillance Kit with Ear-Hanger, Beige, 3.5mm Threaded. Requires BDN6783.					
APX 3000E SERIES	3-Wire Receive-Only Surveillance Kit with Earpiece, Black, 3.5mm Threaded. Requires BDN6783.					

APX 7000E SERIES		1-Wire Receive-Only Surveillance Kit with Translucent Tube, Beige, 3.5mm Threaded. Requires BDN6783.	FLNS314	Clear rubber ear tip	Mic & PTT combined on a single wire	Mic & PTT combined on a single wire	FM approved with APX5000/6000XE and APX7000/7000XE			
APX 6000E SERIES		1-Wire Receive-Only Surveillance Kit with Translucent Tube, Black, 3.5mm Threaded. Requires BDN6783.	FLNS313	Clear rubber ear tip	Mic & PTT combined on a single wire	Mic & PTT combined on a single wire	FM approved with APX5000/6000XE and APX7000/7000XE			
APX 5000E SERIES		2-Wire Receive-Only Surveillance Kit with Extra-Loud Earpiece, Beige, 3.5mm Threaded. Requires BDN6783.	BDNS666	Ear Hanger	Mic & PTT combined on a single wire	Mic & PTT combined on a single wire	FM approved with APX6000/6000XE and APX7000/7000XE			
APX 4000E SERIES		2-Wire Receive-Only Surveillance Kit with Ear-Hanger, Beige, 3.5mm Threaded. Requires BDN6783.	BDNS669	Ear Hanger	Separate wire	Separate wire	FM approved with APX6000/6000XE and APX7000/7000XE			
APX 3000E SERIES		3-Wire Receive-Only Surveillance Kit with Earpiece, Black, 3.5mm Threaded. Requires BDN6783.	BDNS6730	Ear Hanger	Separate wire	Separate wire	FM approved with APX6000/6000XE and APX7000/7000XE			

APX PORTABLE RADIO ACCESSORIES

COMPATIBILITY	ACCESSORY	FEATURES	FUNCTIONALITY	WEIGHT						
APX 7000 SERIES APX 6000 SERIES APX 4000 SERIES APX 3000 SERIES APX 1000 SERIES SRX 2200 SERIES	APX 7000 SERIES APX 7000E SERIES APX 6000 SERIES APX 6000E SERIES APX 4000 SERIES APX 4000E SERIES APX 3000 SERIES APX 3000E SERIES APX 1000 SERIES SRX 2200 SERIES	<p>Completely Discreet Earpiece Kit with Neckloop, Beige</p> <p>Phonak Nano Ear Receiver, Beige (Neckloop must be ordered separately)</p> <p>Phonak Nano Ear Receiver, Brown (Neckloop must be ordered separately)</p> <p>Replacement Earwax Guards 5 per pack Compatible with RLN6922</p> <p>Low Noise Kit with Quick Disconnect translucent tube and Clear rubber earrip</p> <p>Replacement standard clear rubber earrip, Pack of 50</p> <p>Replacement Foam Plugs for RLN5887 and RLN6242, Noise reduction = 24dB* Pack of 50 pairs</p> <p>Low Noise Kit with 1 clear rubber earrip</p> <p>High Noise Kit with 2 foam earplugs</p> <p>Clear EP7 Small Hearing Protectors (Sonic Defenders) Ultra Earplugs Noise reduction = 28dB</p> <p>Clear EP7 Medium Hearing Protectors (Sonic Defenders) Ultra Earplugs Noise reduction = 28dB</p> <p>Clear EP7 Large Hearing Protectors (Sonic Defenders) Ultra Earplugs Noise reduction = 28dB</p>	<p>RLN6922</p> <p>GMALN5261</p> <p>GMALN5262</p> <p>RLN4919</p> <p>RLN6242</p> <p>RLN6282</p> <p>5050394F72</p> <p>RLN5886</p> <p>RLN5887</p> <p>RLN5811</p> <p>RLN5812</p> <p>RLN5813</p>	<p>Clear rubber earrip</p> <p>Clear rubber earrip</p> <p>Clear rubber earrip</p> <p>Clear rubber earrip</p> <p>Foam earrip</p> <p>Clear rubber earrip</p> <p>Foam earrip</p> <p>Comply™ foam earrip</p> <p>Comply™ foam earrip</p> <p>Comply™ foam earrip</p>	<p>PMLN6123, PMLN6124, PMLN6129, PMLN6130</p> <p>PMLN6123, PMLN6124, PMLN6125, PMLN6126, PMLN6127, PMLN6128, PMLN6129, PMLN6130</p> <p>PMLN6123, PMLN6124, PMLN6125, PMLN6126, PMLN6127, PMLN6128, PMLN6129, PMLN6130</p>	<p>Behind-the-Head</p> <p>Over-the-Head</p> <p>Behind-the-Head</p> <p>Behind-the-Head</p> <p>Behind-the-Head</p> <p>Behind-the-Head</p> <p>Behind-the-Head</p> <p>Behind-the-Head</p> <p>Behind-the-Head</p> <p>Behind-the-Head</p>	<p>Bone Conduction</p> <p>Single-Ear</p> <p>Single-Ear</p> <p>Single-Ear</p> <p>Single-Ear</p> <p>Single-Ear</p> <p>Single-Ear</p> <p>Single-Ear</p> <p>Single-Ear</p> <p>Single-Ear</p>	<p>APX 7000 SERIES</p> <p>APX 7000E SERIES</p> <p>APX 6000 SERIES</p> <p>APX 6000E SERIES</p> <p>APX 4000 SERIES</p> <p>APX 4000E SERIES</p> <p>APX 3000 SERIES</p> <p>APX 3000E SERIES</p> <p>APX 1000 SERIES</p> <p>SRX 2200 SERIES</p>	<p>Medium Clear Cc right ear</p> <p>Medium Clear Cc right ear</p> <p>Medium Clear Cc right ear</p> <p>Large Clear Conif right ear</p> <p>Large Clear Conif right ear</p> <p>Small Clear Conif left ear</p> <p>Small Clear Conif left ear</p> <p>Medium Clear Cc left ear</p> <p>Medium Clear Cc left ear</p> <p>Large Clear Conif left ear</p> <p>Large Clear Conif left ear</p>	<p>3.5mm Threaded</p> <p>6 Pin Hirose Key/ PMS rated</p>
APX PORTABLE RANGE	HEADSET	FEATURES	FUNCTIONALITY	WEIGHT						
APX 7000 SERIES APX 7000E SERIES APX 6000 SERIES APX 6000E SERIES APX 4000 SERIES APX 4000E SERIES APX 3000 SERIES APX 3000E SERIES APX 1000 SERIES SRX 2200 SERIES	<p>IMPRESS™ Temple Transducer with boom microphone and inline push-to-talk</p> <p>Lightweight Over-the-Head Headset, single muf with in-line push-to-talk and boom mic</p> <p>Heavy-Duty Behind-the-Head Headset with Noise Cancelling boom microphone, noise</p>	<p>PMLN5101</p> <p>RLAN5058</p> <p>PMLN5275</p>	<p>Behind-the-Head</p> <p>Over-the-Head</p> <p>Behind-the-Head</p>	<p>Bone Conduction</p> <p>Single-Ear</p> <p>Single-Ear</p> <p>Single-Ear</p>	<p>APX 7000 SERIES</p> <p>APX 7000E SERIES</p> <p>APX 6000 SERIES</p> <p>APX 6000E SERIES</p> <p>APX 4000 SERIES</p> <p>APX 4000E SERIES</p> <p>APX 3000 SERIES</p> <p>APX 3000E SERIES</p> <p>APX 1000 SERIES</p> <p>SRX 2200 SERIES</p>	<p>Lightweight</p> <p>Lightweight</p> <p>Heavy Duty</p>				

*1000 Hz noise test method. Conditions: 1000 Hz, 100 dB SPL. Noise reduction = 24dB.

HEADSETS

SURVEILLANCE KIT AUDIO ADAPTERS





APX 7000 SERIES
APX 7000E SERIES
APX 6000 SERIES
APX 6000E SERIES
APX 4000 SERIES
APX 4000E SERIES
APX 3000 SERIES
APX 3000E SERIES
APX 1000 SERIES
SRX 2200 SERIES

APX PORTABLE RADIO ACCESSORIES

COMPATIBILITY	ADAPTER	FEATURE	REQUIREMENTS	CONNECTIVITY	WEIGHT	HEIGHT	WARRANTY	PTT
APX 7000 SERIES	APX 6000 SERIES	APX 4000 SERIES	APX 3000 SERIES	SIX 2200 SERIES	APX 7000 SERIES	APX 7000Z SERIES	APX 6000Z SERIES	APX 4000Z SERIES

3M PELTON HEAVY DUTY HEADSETS





DIRECT CONNECT

APX 7000 SERIES	APX 7000Z SERIES	APX 6000 SERIES	APX 6000Z SERIES	APX 4000 SERIES	APX 4000Z SERIES	APX 3000 SERIES	SIX 2200 SERIES	 	MT Series Over-the-Head Headset, direct radio connect RMNS137 M77H79A-C5063-34 Over-the-Head Connects directly to Radio Dual-Ear 25dB Boom On Ear Cup
APX 7000 SERIES	APX 7000Z SERIES	APX 6000 SERIES	APX 6000Z SERIES	APX 4000 SERIES	APX 4000Z SERIES	APX 3000 SERIES	SIX 2200 SERIES	 	MT Series Neckband Headset, direct radio connect RMNS138 M77H79B-C5083-34 Neckband Connects directly to Radio Dual-Ear 24dB Boom On Ear Cup

PTT ADAPTER CONFIGURATIONS

APX 7000 SERIES	APX 7000Z SERIES	APX 6000 SERIES	APX 6000Z SERIES	APX 4000 SERIES	APX 4000Z SERIES	APX 3000 SERIES	SIX 2200 SERIES	 	MT Series Over-the-Head Headset with Nexus connector PMLN6088 M77H79A-34 Over-the-Head Nexus Dual-Ear 25dB Boom Requires PTT Adapter PMLN6095
APX 7000 SERIES	APX 7000Z SERIES	APX 6000 SERIES	APX 6000Z SERIES	APX 4000 SERIES	APX 4000Z SERIES	APX 3000 SERIES	SIX 2200 SERIES	 	MT Series Hand Hat Attached with Nexus connector RMNS4051 M77H79E-34 Hand Hat Attached Nexus Dual-Ear 21dB Boom Requires PTT Adapter PMLN6095
APX 7000 SERIES	APX 7000Z SERIES	APX 6000 SERIES	APX 6000Z SERIES	APX 4000 SERIES	APX 4000Z SERIES	APX 3000 SERIES	SIX 2200 SERIES	 	TacticalPro Series Over-the-Head Headset with Nexus connector RMNS4052 M77H79A-34 Over-the-Head Nexus Dual-Ear 25dB Boom Requires PTT Adapter PMLN6095
APX 7000 SERIES	APX 7000Z SERIES	APX 6000 SERIES	APX 6000Z SERIES	APX 4000 SERIES	APX 4000Z SERIES	APX 3000 SERIES	SIX 2200 SERIES	 	TacticalPro Series Neckband Headset with Nexus connector RMNS125 M77H79B-07-34 Neckband Nexus Dual-Ear 25dB Boom Requires PTT Adapter PMLN6095
APX 7000 SERIES	APX 7000Z SERIES	APX 6000 SERIES	APX 6000Z SERIES	APX 4000 SERIES	APX 4000Z SERIES	APX 3000 SERIES	SIX 2200 SERIES	 	PTT Nexus Adapter PMLN6096 FL5063-34 Hand Hat Attached Nexus Dual-Ear 22dB Boom Requires PTT Adapter PMLN6095

RSM CONFIGURATIONS

APX 7000 SERIES	APX 7000Z SERIES	APX 6000 SERIES	APX 6000Z SERIES	APX 4000 SERIES	APX 4000Z SERIES	APX 3000 SERIES	SIX 2200 SERIES	 	HT Series Listen Only Over-the-Head Headset with 3.5mm NON threaded connector RMNS4055 HTM79A-34 Over-the-Head 3.5mm NON threaded Dual-Ear 25dB (Listen-Only)
APX 7000 SERIES	APX 7000Z SERIES	APX 6000 SERIES	APX 6000Z SERIES	APX 4000 SERIES	APX 4000Z SERIES	APX 3000 SERIES	SIX 2200 SERIES	 	HT Series Listen Only Neckband Headset with 3.5mm NON threaded connector RMNS132 HTM79B-34 Neckband 3.5mm NON threaded Dual-Ear 24dB (Listen-Only)

APX radio requires RSM: PMLN4052, PMLN4059 or PMLN4084

APX PORTABLE RADIO ACCESSORIES



HOW DO MISSION CRITICAL WIRELESS ACCESSORIES HELP ME?

They free you from being physically connected to the radio and are ideal for surveillance operations. They look **CONSUMER**, but are mission critical in performance and provide exceptional flexibility, high security, superior audio performance and a new dimension of freedom. Carry your radio in a backpack, bag or purse without being constrained by wires. **YOUR RADIO, UNLEASHED.**













COMPATIBILITY	ACQUISITION	FEATURES		WEIGHT	LENGTH	WIDTH	DEPTH	WEIGHT	LENGTH	WIDTH	DEPTH		
PORTABLE RADIO	ACCESSORIES	OPERATING RANGE	OPERATING MODES	PTT	TALKING PROHIBIT (SEC)	CHARGE TIME (HRS)	WEIGHT (OZ)	WEIGHT (LBS)	LENGTH (IN)	WIDTH (IN)	DEPTH (IN)		
MISSION CRITICAL WIRELESS ACCESSORIES (MCW) This portfolio is a game changer, giving you the flexibility to remove the radio from your belt and stay connected within 30 feet.													
		Mission Critical Wireless Earpiece with 12" cable and push-to-talk pod	NTN2570	Over-the-Car (Compat SM)	Directional, above the Earpiece	●	10	3	43	70 x 41 x 25	30	IP54	RM
		Mission Critical Wireless push-to-talk pod	NTN2571	N/A	N/A	●	10	3	43	70 x 41 x 25	30	IP54	RM

- APX 7000E SERIES
- APX 8000 SERIES
- APX 9000 SERIES
- APX 9000 SERIES
- APX 3000 SERIES
- APX 2200 SERIES

APX PORTABLE RADIO ACCESSORIES

MISSION CRITICAL WIRELESS ACCESSORIES This portfolio is a game changer, giving you the flexibility to remove the radio from your belt and stay connected within 30 feet.

COMPATIBILITY	APPLICATION	FEATURES
PORTABLE RADIOS	30 FEET RANGE	INTERCOM, MICROPHONE, PTT

	1. Wire Earbud for Wireless Push-to-Talk pod with 11.5" cable, Black	NNTN8294	Earbud	In-line	On Pod, ordered separately
	1. Wire Earbud for Wireless Push-to-Talk pod with 45" cable, Black	NNTN8295	Earbud	In-line	On Pod, ordered separately
	Cover Audio Kit for Mission Critical Wireless PTT Pod	NNTN8296	1 earbud and 2 earbud headsets	In-line	On Pod, ordered separately
	Y-Adapter and Retention Hook for Mission Critical Wireless Push-to-Talk Pod	NNTN8385		Directional, on separate wire	On Pod, ordered separately
	Commercial 3.5 Earbud Headset Adapter, 10 per pack	NNTN8737			
	Replacement Wireless Earpiece 12 inch cable	NTN2572	Over-the-Ear (CommPort™)	Directional above the ear comport mic	On Pod, ordered separately
	Mission Critical Wireless Cover Pack-N-Go Kit, Basic. Kit includes: NNTN8295 Basic Mission Critical Wireless Cover Kit, NTN2571 Mission Critical Wireless Push-to-Talk (PTT) Pod and NNTN8242 Mission Critical Wireless Remote Control Unit	RLN8489	Earbud and earbud headset	On Y-Adapter or in-line on earbuds	On PTT and MCW Keyfob
	Mission Critical Wireless Cover Pack-N-Go Kit, Advanced. Kit includes: All contents of Cover Pack-n-Go Kit plus RLN822 Completely Discreet Earpiece Kit and NNTN8385 Wireless Macclough Y-adapter	RLN8501	Completely Discreet Earpiece, earbud and earbud headset	On Y-Adapter or in-line on earbuds	On PTT and MCW Keyfob
	Wireless Earpiece Maintenance Kit with 10 silicone ear tubes, 10 microphone seal strips and 2 foam windcreens for NTN2572 Over-the-Ear earpiece	NTN8821	Over-the-Ear (CommPort™)		
	Ear strap for CommPort™ earpiece to secure earpiece to ear (10 per pack)	NTN8888	Over-the-Ear (CommPort™)		
	Earplugs for CommPort™ earpiece (10 per pack)	RLN5037	Over-the-Ear (CommPort™)		
	Replacement ear tips kit for wireless ear buds (20 Small, 20 Medium, 20 Large and 10 clips)	NNTN8361	Earbud		



APX PORTABLE RADIO ACCESSORIES

COMPATIBILITY ACCESSORIES **FEATURES**

MOTOROLA IMPRES TWO-WAY BATTERIES The only batteries developed, tested and certified for optimal performance with your APX radio. APX batteries are Proven Tough, in lab test after lab test, to withstand shocks, knocks, drops and shakes and outperform the other brands.

APX Series	Image	Description	Part Number	Chemistry	Capacity (mAh)	Dimensions (mm)	Weight (g)	Features
APX 7000 SERIES		IMPRES Li-Ion 2150 mAh Slim, Submersible Battery-IP67	PMNN4403	Li-Ion	2150	86 x 59 x 37	142	IP67
APX 7000 SERIES		IMPRES Li-Ion 3100 mAh Submersible Battery-IP67	NNTN7038	Li-Ion	3100	86 x 59 x 42	185	IP67
APX 7000E SERIES		IMPRES Li-Ion 2350 mAh, Intrinsically Safe - FM, Submersible Rugged Battery-IP68	NNTN8092	Li-Ion	2350	86 x 59 x 42	180	IP68
APX 6000 SERIES		IMPRES Li-Ion 4400 mAh -30°C Rated Submersible, Rugged Battery-IP68	NNTN7034	Li-Ion	4400	130 x 59 x 42	285	IP68
APX 6000E SERIES		IMPRES Li-Ion 4300 mAh Intrinsically Safe - FM, Submersible, Rugged Battery-IP68	NNTN7033	Li-Ion	4300	130 x 59 x 42	285	IP68
APX 6000E SERIES		IMPRES NiMH 2200 mAh Intrinsically Safe - FM, Submersible Rugged Battery-IP68	NNTN7035	NiMH	2200	135 x 59 x 40	335	FM, IP68
APX 2200 SERIES		APX Clamshell Battery Pack (requires 12 AA Alkaline batteries, not included), Submersible Battery-IP67	PMNN4439	AA Alkaline/ Li-Ion	Alkaline: 2700 Li-Ion: 6100	Alkaline 12 Li-Ion: 27	Alkaline: 475 Li-Ion: 380	IP67
APX 2200 SERIES		Military, Li-Ion 3100 mAh, Submersible, Rugged Battery-IP68, Coyote Brown	NNTN8182	Li-Ion	3100	88 x 59 x 42	185	IP68
APX 4000 SERIES		IMPRES Li-Ion 2000 mAh Slim, Submersible, Battery-IP67	NNTN8178	Li-Ion	2000	115 x 52 x 19	160	IP67
APX 3000 SERIES		IMPRES Li-Ion 2350 mAh Submersible, Battery-IP67	PMNN4424	Li-Ion	2350	115 x 52 x 23	170	IP67
APX 3000 SERIES		IMPRES Li-Ion 2800 mAh Submersible, Battery-IP67	PMNN4448	Li-Ion	2800	115 x 52 x 23	170	IP67
APX 1000 SERIES		IMPRES Li-Ion 2350 mAh Intrinsically Safe						



APX PORTABLE RADIO ACCESSORIES

COMPATIBILITY **ACCESSORIES** **FEATURES**

CHARGER SOLUTIONS Choose from a variety of solutions including single-unit, unique dual-unit, multi-unit, travel and vehicular chargers and be confident your radio is charged and ready to go the moment you need it.

APX 4000 SERIES

APX 7000 SERIES

APX 8000 SERIES

APX 9000 SERIES

APX 1000 SERIES

APX 2000 SERIES

APX 3000 SERIES

APX 4000 SERIES

APX 5000 SERIES

APX 6000 SERIES

APX 7000 SERIES

APX 8000 SERIES

APX 9000 SERIES

APX 1000 SERIES

DESKTOP, SINGLE AND MULTI-UNIT CHARGERS

APX 2000 SERIES
APX 3000 SERIES
APX 4000 SERIES
APX 5000 SERIES
APX 6000 SERIES
APX 7000 SERIES
APX 8000 SERIES
APX 9000 SERIES
APX 1000 SERIES



IMPRES Single-Unit Rapid Rate Charger, 120V (US Plug)

WPLN7060

● Li-Ion, NiMH

120VAC

60 x 97 x 163

1

●

Rapid Rate

WPLN4232

● Li-Ion, NiMH

120VAC

60 x 97 x 163

1

●

Rapid Rate

APX 7000 SERIES
APX 8000 SERIES
APX 9000 SERIES
APX 1000 SERIES



IMPRES Dual-Unit Rapid Rate Charger with 2 Displays, 120V (US plug)

NNTN7563

● Li-Ion, NiMH

120VAC

64 x 142 x 208

2

●

Rapid Rate

NNTN7566

● Li-Ion, NiMH

120VAC

64 x 142 x 208

2

●

Rapid Rate

APX 6000 SERIES
APX 7000 SERIES
APX 8000 SERIES
APX 9000 SERIES
APX 1000 SERIES



IMPRES Multi-Unit Rapid Rate Charger with 6 Displays, 120V (US plug)

NNTN7073

● Li-Ion, NiMH

120VAC

153 x 445 x 292

6

●

Rapid Rate

NNTN7065

● Li-Ion, NiMH

120VAC

153 x 445 x 292

6

●

Rapid Rate

APX 4000 SERIES
APX 5000 SERIES
APX 6000 SERIES
APX 7000 SERIES
APX 8000 SERIES
APX 9000 SERIES
APX 1000 SERIES



IMPRES Multi-Unit Rapid Rate Charger with 6 Displays, 120V (US plug)

WPLN4219

● Li-Ion, NiMH

120VAC

153 x 445 x 292

6

●

Rapid Rate

WPLN4212

● Li-Ion, NiMH

120VAC

153 x 445 x 292

6

●

Rapid Rate

APX 2000 SERIES
APX 3000 SERIES
APX 4000 SERIES
APX 5000 SERIES
APX 6000 SERIES
APX 7000 SERIES
APX 8000 SERIES
APX 9000 SERIES
APX 1000 SERIES



Military, IMPRES Multi-Unit Rapid Rate, Charger, 120V (US Plug) with Pocket Inserts

NNTN8185

● Li-Ion, NiMH

120VAC

153 x 445 x 292

6

●

Rapid Rate

APX 2000 SERIES
APX 3000 SERIES
APX 4000 SERIES
APX 5000 SERIES
APX 6000 SERIES
APX 7000 SERIES
APX 8000 SERIES
APX 9000 SERIES
APX 1000 SERIES



IMPRES Single-Unit Rapid Rate Vehicular Charger

NNTN7624

● Li-Ion, NiMH

12VDC hardware

82 x 97 x 200

1

●

Rapid Rate

NNTN7616

● Li-Ion, NiMH

12VDC hardware

82 x 97 x 200

1

●

Rapid Rate

APX 7000 SERIES
APX 8000 SERIES
APX 9000 SERIES
APX 1000 SERIES



Travel Charger with voltage regulated vehicular charger adapter, custom charger base, mounting bracket, and coil cord

RLN6434

● Li-Ion, NiMH

12VDC cigarette lighter adapter

67 x 67 x 70

1

●

Rapid Rate

NNTN8625

● Li-Ion, NiMH

12VDC cigarette

64 x 67 x 57

1

●

Rapid Rate

APX PORTABLE RADIO ACCESSORIES

COMPATIBILITY ACCESSORY

CHARGER SOLUTIONS

APX 1000 SERIES
APX 1000 SERIES

QUALITY ACCESSORIES

100% COMPATIBILITY

SINGLE AND MULTI-UNIT CHARGER ACCESSORIES

APX 1000 SERIES
APX 2000X SERIES
APX 6000 SERIES
APX 8000X SERIES
APX 9000 SERIES
APX 3009 SERIES
APX 1000 SERIES
SRX 2200 SERIES



Display Module for IMPRES Multi-Unit Charger

RLMS382



Wall Mount Bracket for IMPRES Multi-Unit Charger

NLN7967

APX 7000 SERIES
APX 7000X SERIES
APX 6000 SERIES
APX 6000X SERIES
SRX 2200 SERIES



Insert for WPLN4108/4130 XTS Multi-Unit Charger (6 per pack)

NNTN7686



Insert for NTN1873/WPLN4111 XTS Single-Unit Charger

NNTN7687



Insert for WPLN4108/4130 XTS Multi-Unit Charger (6 per pack)

NNTN8170



Insert for NTN1873/WPLN4111 XTS Single-Unit Charger

NNTN8169

IMPRES BATTERY MANAGEMENT TOOLS

APX 7000 SERIES
APX 7000X SERIES
APX 6000 SERIES
APX 6000X SERIES
APX 4000 SERIES
APX 3000 SERIES
APX 1000 SERIES
SRX 2200 SERIES



IMPRES Battery Reader

NNTN7392



IMPRES Battery Fleet Management Software
(<http://www.rotorolasolutions.com/US-EN/Business+Product+and+Services/Accessories/Two-Way+Radio+Accessories/Batteries/IMPRES>)

NNTN7676



IMPRES Battery Fleet Management License Key

HXYN4026



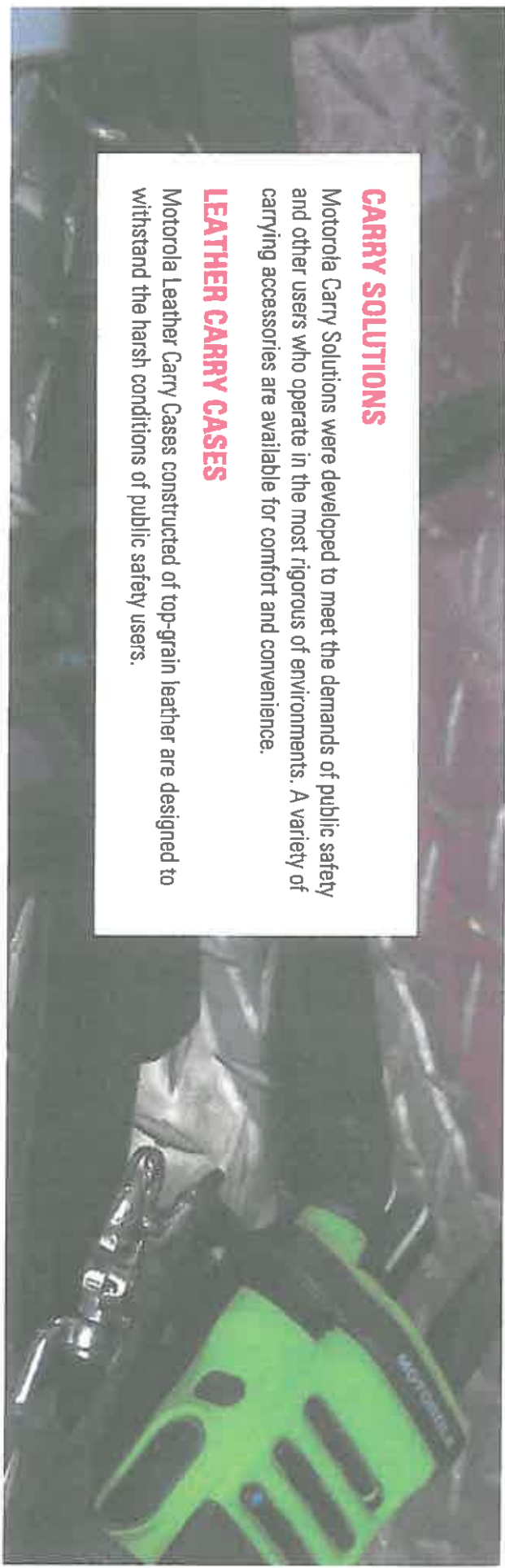
IMPRES Battery Fleet Management Multi-Unit Charger Interface Unit

NNTN7677

IMPRES Battery Fleet Management



APX PORTABLE RADIO ACCESSORIES













CARRY SOLUTIONS

Motorola Carry Solutions were developed to meet the demands of public safety and other users who operate in the most rigorous of environments. A variety of carrying accessories are available for comfort and convenience.

LEATHER CARRY CASES

Motorola Leather Carry Cases constructed of top-grain leather are designed to withstand the harsh conditions of public safety users.

COMPATIBILITY	ACCESSORY	FEATURES
APX 7000 SERIES		<ul style="list-style-type: none"> Material: Plastic Weight: 3 Mount: Fixed
APX 7000E SERIES		<ul style="list-style-type: none"> Material: Plastic Weight: 3 Mount: Fixed
APX 8000 SERIES		<ul style="list-style-type: none"> Material: Plastic Weight: 3 Mount: Fixed
APX 8000E SERIES		<ul style="list-style-type: none"> Material: Plastic Weight: 3 Mount: Fixed
APX 3000 SERIES		<ul style="list-style-type: none"> Material: Plastic Weight: 3 Mount: Fixed
		<ul style="list-style-type: none"> Material: Leather Weight: 3 Mount: Fixed

COMPATIBILITY	ACCESSORY	FEATURES
APX 7000E SERIES		<ul style="list-style-type: none"> Material: Leather Weight: 2.75" Swivel Belt Mount: PMLN4403 and 1
APX 7000 SERIES		<ul style="list-style-type: none"> Material: Leather Weight: 2.75" Swivel Belt Mount: NNTN7034, NNTN7036, NNTN7038, NNTN7039, NNTN7040
APX 7000E SERIES		<ul style="list-style-type: none"> Material: Leather Weight: 2.75" Swive Mount: PMLN4403 and 1
APX 7000E SERIES		<ul style="list-style-type: none"> Material: Leather Weight: Carry Cas Loop for NNTN70 Mount: NNTN8092 Barte

1. Includes Plastic Case

APX PORTABLE RADIO ACCESSORIES



COMPATIBILITY	ACCESSORY	FEATURES
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ANTENNAS	FUNCTIONAL	DESCRIPTION	USEFUL FREQUENCIES (MHz)	EFFICIENCY (dB)	ANTENNA LENGTH (in)	TYPE
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APX 7000 SERIES APX 7000E SERIES APX 6000 SERIES APX 6000E SERIES APX 4000 SERIES APX 3000 SERIES APX 1000 SERIES SRX 2200 SERIES		700/800 MHz GPS Whip Antenna	700/800	764-870	20	Whip
		UHF GPS Whip Antenna	UHF	380-520	14.2	Whip

APX 7000 SERIES APX 6000 SERIES APX 4000 SERIES APX 1000 SERIES SRX 2200 SERIES		VHF GPS Whip Antenna	VHF	136-174	20	Whip
		1/4 Wave, 700/800 MHz GPS Stubby Antenna	700/800	764-870	9.8	Stubby

APX 6000 SERIES APX 6000E SERIES APX 4000 SERIES APX 1000 SERIES		UHF Range 1, GPS Stubby Antenna	UHF	380-470	9.3	Stubby
		UHF Range 2, GPS Stubby Antenna	UHF	470-520	9.3	Stubby
		VHF, 700/800 MHz Dual Band, GPS Whip Antenna	VHF: 700/800	136-174: 764-870	20	Whip
		VHF, UHF Dual Band, GPS Whip Antenna	VHF: UHF	136-174: 380-520	21.8	Whip

APX 7000 SERIES (700/800 MHz only)		GPS Antenna (Directly connected to radio when a public safety microphone is used)	NAAG4000	700/800	7	Stubby
APX 6000 SERIES (700/800 MHz only)		700/800 Public Safety Microphone Only Stubby Antenna	PMAAF4002	700/800	9	Stubby

		Flexible Antenna 700/800 Mhz	PMAAF4006	700/800	764-870	41	Flexible
		Flexible Antenna, UHF	PMAAE4080A	UHF	308-470	77	Flexible
		Flexible Antenna, VHF	PMAAD173	VHF		44	Flexible

		Replacement Flexible Antenna Spacer	PMLN6981				
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PROGRAMMING CABLES	APX 7000 SERIES
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APX 7500 WITH O5 CONTROL HEAD



APX 6500 WITH O5 CONTROL HEAD







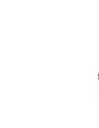



APX MOBILE RADIO ACCESSORIES

COMPATIBILITY	ACCESSORY	FEATURES
APX 7500 SERIES		Keypad + Navigation
APX 6500 SERIES		Standard
APX 6500 SERIES		Standard
APX 7500 SERIES		Standard
		Telephone + Keypad
		Telephone
		Telephone
		Desktop
		Visor

IMPRES Visor Microphone requires PTT Switch QLN7218 or RLN5926

MOBILE MICROPHONE ACCESSORIES

COMPATIBILITY	ACCESSORY	FEATURES
APX 7500 SERIES		Microphone Hantz
		Microphone Extension Not compatible with HMAN4079 Key
		Microphone Extension Not compatible with HMAN4079 Key
		Emergency Push 1 with the Visor MI
		Emergency Focus with the Visor MI
		Faderswitch Push with the Visor MI
		Push Button Push with the Visor MI
		Replacement Cat

CONTROL STATION ACCESSORIES

		Desktop Tray with
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IMPRES™ AUDIO ACCESSORIES
Mission critical voice transmissions have to be

APX MOBILE RADIO ACCESSORIES

INSTALLATION AND MOUNTING ACCESSORIES Mount your radio in your vehicle without compromising safety. Trunion kits give you the flexibility to mount the radio under your dash, between the seats or on the floor. Remote mount kits allow the radio to be mounted in the trunk when dash space is limited.

COMPATIBILITY	ACCESSORY	MOBILE RANGOS	INSTALLATION AND MOUNTING ACCESSORIES	PART NUMBER
			High Power Trunion Kit, Quick Release with Lock	HLN7003
			Mid Power Trunion Kit, Standard Installation Bracket	HLN7002
			Mid Power Trunion Lock	HLN6372
			Remote Mount Control Head Trunion Compatible with D2/D5 and D7 control heads	HKM186
			Low Profile Remote Mount Control Head Trunion Kit	HLN7031
			Motorcycle Enclosure, Black	HLN7022

EXTERNAL ALARM ACCESSORIES External alarm accessories enable additional switching power when external accessories are attached.

COMPATIBILITY	ACCESSORY	MOBILE RANGOS	EXTERNAL ALARM ACCESSORIES	PART NUMBER
			External Alarm Buzzer	HLN6953



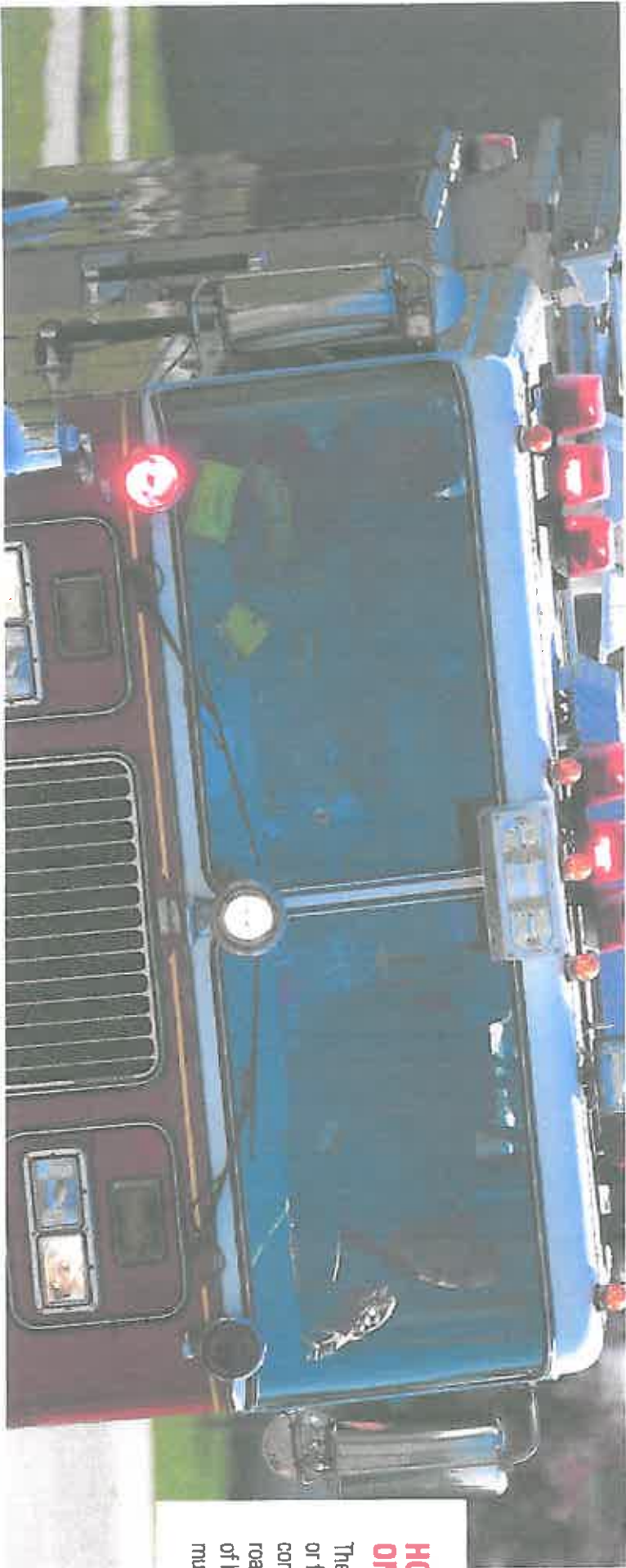
SPEAKERS AND SIRENS Boost audio at your control station with an external speaker.

COMPATIBILITY	ACCESSORY	MOBILE RANGOS	SPEAKERS AND SIRENS	PART NUMBER
			Remote Mount, 7.5 Watt Rated A	
			Remote Mount, 15 Watt Rated A	
			Water Resistant, 13 Watt Rated A	
			Non-Water Resis, 13 Watt Rated A	
			Siren Speaker, Rk Finish	
			Siren Speaker, Rk Finish	
			Siren Speaker, Rk Finish	
			Siren Speaker, Ur	

REPLACEMENT SIREN ACCESSORIES

COMPATIBILITY	ACCESSORY	MOBILE RANGOS	REPLACEMENT SIREN ACCESSORIES	PART NUMBER
			Status/Message	D-44444

APX MOBILE RADIO ACCESSORIES



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COMPATIBILITY	ACCESSORIES
SIREN ACCESSORIES	
Model Inquiry?	Radio Accessories

Siren Switchbox **HL16819**

Mode Direct Entry Keypad, 8 Buttons **H1615**



Siren Cable, 03 Siren to Switchbox **HKM6146**



COMPATIBILITY	ACCESSORIES
SIREN ACCESSORIES	
Model Inquiry?	Radio Accessories

Direct Entry Keyp
 Control Head, rca

Siren Cable, 05 S

APX 7500 SERIES
 APX 6500 SERIES
 APX 4500 SERIES



UNIVERSAL RELAY CONTROLLER

1 Universal Relay C

APX MOBILE RADIO ACCESSORIES

COMPATIBILITY

ACCESSORY

CABLES

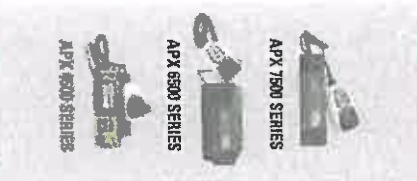
CONTROL HEAD

CABLES

REMOVAL

INSTALLATION

CONTROL HEAD CABLES



03 Handheld Control Head Extension Cable, 17-Foot
 PMLN959

03 Handheld Control Head Accessory Cable
 PMLN959

Control Head Cable with Connections for Power, Speaker and Headset Jack
 HKN6187

Control Head Cable with Connections for Power and Speaker
 HKN6189

REMOTE MOUNT CABLES



Remote Mount Cable, 131-Foot
 HKN6184

Remote Mount Cable, 115-Foot
 HKN6185

Remote Mount Cable, 75-Foot
 HKN6186

Remote Mount Cable, 50-Foot
 HKN6187

Remote Mount Cable, 30-Foot
 HKN6189

Remote Mount Cable, 17-Foot
 HKN6189

Remote Mount Cable, 10-Foot
 HKN6170

Cable, Remote Control Head Vehicular Interface Port Connector for DC Powerhead Used
 HKN6196



COMPATIBILITY

ACCESSORY

CABLES

MOBILE HEADSETS

CABLES

INSTALLATION

POWER CABLES



Mid Power, Dash 10-Foot

Mid Power, Rear 20-Foot

Mid Power, Rear Mount

High Power, Rear 20-Foot

Motorcycle Power

RSC22 Cable for 1 Mount Only, 6-Ft

RSC22 Cable for 1 Remote Mount 0

RSC22 Cable for 1

RSC22 Cable for, Interconnect Box

Keyboard Cable,

Keyboard Adapter Port

DATA CABLES



KEYBOARD CABLES




APX MOBILE RADIO ACCESSORIES



ANTENNAS
For optimum range and q
radio's frequency with th
available as standard 1/2
or 5dB signal gain.

COMPATIBILITY	ACCESSORY	FEATURES																									
ANTENNAS MOBILE RADIO	ANTENNAS	<table border="1"> <thead> <tr> <th>ANTENNA</th> <th>OPERATING FREQUENCY</th> <th>OPERATING MODE (OR MODES)</th> <th>ANTENNA GAIN (DB)</th> <th>MOUNTING TYPE</th> </tr> </thead> <tbody> <tr> <td colspan="5">VHF ANTENNAS (HF ONLY)</td> </tr> <tr> <td>VHF 1/4 Wave Antenna, 136-144 MHz</td> <td>HAD4006</td> <td>VHF</td> <td>136-144</td> <td>Through-hole</td> </tr> <tr> <td>VHF 1/4 Wave Antenna, 144-150.8 MHz</td> <td>HAD4007</td> <td>VHF</td> <td>144-150.8</td> <td>Through-hole</td> </tr> <tr> <td>VHF 1/4 Wave Antenna, 150.8-162 MHz</td> <td>HAD4008</td> <td>VHF</td> <td>150.8-162</td> <td>Through-hole</td> </tr> </tbody> </table>	ANTENNA	OPERATING FREQUENCY	OPERATING MODE (OR MODES)	ANTENNA GAIN (DB)	MOUNTING TYPE	VHF ANTENNAS (HF ONLY)					VHF 1/4 Wave Antenna, 136-144 MHz	HAD4006	VHF	136-144	Through-hole	VHF 1/4 Wave Antenna, 144-150.8 MHz	HAD4007	VHF	144-150.8	Through-hole	VHF 1/4 Wave Antenna, 150.8-162 MHz	HAD4008	VHF	150.8-162	Through-hole
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VHF ANTENNAS (HF ONLY)

 APX 7500 SERIES	VHF 1/4 Wave Antenna, 136-144 MHz	HAD4006	VHF	136-144	Through-hole
 APX 6500 SERIES	VHF 1/4 Wave Antenna, 144-150.8 MHz	HAD4007	VHF	144-150.8	Through-hole
 APX 4500 SERIES	VHF 1/4 Wave Antenna, 150.8-162 MHz	HAD4008	VHF	150.8-162	Through-hole

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VHF ANTENNAS (HF ONLY)

 APX 7500 SERIES	VHF 1/4 Wave A				
 APX 6500 SERIES	VHF 1/4 Wave A				
 APX 4500 SERIES	VHF W/detand A				

APX MOBILE RADIO ACCESSORIES

COMPATIBILITY	ACCESSORY	FEATURES
ANTENNAS	ANTENNAS	ANTENNAS

ANTENNAS A variety of antennas ensure the best possible reception wherever you operate. Choose from antennas with integrated GPS for standalone HF antennas.

VHF ANTENNAS (HF ONLY)

							
VHF 1/4 Wave Antenna, 136-144 MHz	VHF 1/4 Wave Antenna, 144-150.8 MHz	VHF 1/4 Wave Antenna, 150.8-162 MHz	VHF 1/4 Wave Antenna, 162-174 MHz	VHF 1/4 Wave Antenna, 380-433 MHz	VHF 1/4 Wave Antenna, 450-470 MHz	VHF 1/4 Wave Antenna, 450-470 MHz	VHF 3 dB Gain Antenna, 450-495 MHz
RAD4002ARB	RAD4003ARB	RAD4004ARB	RAD4005ARB	HAEB012	HAEB003	HAEB004	HAEB012
VHF	VHF	VHF	VHF	VHF	VHF	VHF	VHF
136-144	144-150.8	150.8-162	162-174	380-433	450-470	450-470	450-495
Motorcycle	Motorcycle	Motorcycle	Motorcycle	Through-hole	Through-hole	Through-hole	Through-hole





UHF ANTENNAS (HF ONLY)

							
VHF 1/4 Wave Antenna, 136-144 MHz	VHF 1/4 Wave Antenna, 144-150.8 MHz	VHF 1/4 Wave Antenna, 150.8-162 MHz	VHF 1/4 Wave Antenna, 162-174 MHz	VHF 1/4 Wave Antenna, 380-433 MHz	VHF 1/4 Wave Antenna, 450-470 MHz	VHF 1/4 Wave Antenna, 450-470 MHz	VHF 3 dB Gain Antenna, 450-495 MHz
RAD4002ARB	RAD4003ARB	RAD4004ARB	RAD4005ARB	HAEB012	HAEB003	HAEB004	HAEB012
VHF	VHF	VHF	VHF	VHF	VHF	VHF	VHF
136-144	144-150.8	150.8-162	162-174	380-433	450-470	450-470	450-495
Motorcycle	Motorcycle	Motorcycle	Motorcycle	Through-hole	Through-hole	Through-hole	Through-hole





COMPATIBILITY	ACCESSORY	FEATURES
ANTENNAS	ANTENNAS	ANTENNAS

ANTENNAS

UHF ANTENNAS (HF ONLY)

							
VHF 1/4 Wave Antenna, 136-144 MHz	VHF 1/4 Wave Antenna, 144-150.8 MHz	VHF 1/4 Wave Antenna, 150.8-162 MHz	VHF 1/4 Wave Antenna, 162-174 MHz	VHF 1/4 Wave Antenna, 380-433 MHz	VHF 1/4 Wave Antenna, 450-470 MHz	VHF 1/4 Wave Antenna, 450-470 MHz	VHF 3 dB Gain Antenna, 450-495 MHz
RAD4002ARB	RAD4003ARB	RAD4004ARB	RAD4005ARB	HAEB012	HAEB003	HAEB004	HAEB012
VHF	VHF	VHF	VHF	VHF	VHF	VHF	VHF
136-144	144-150.8	150.8-162	162-174	380-433	450-470	450-470	450-495
Motorcycle	Motorcycle	Motorcycle	Motorcycle	Through-hole	Through-hole	Through-hole	Through-hole

UHF ANTENNAS (HF ONLY)

							
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RAD4002ARB	RAD4003ARB	RAD4004ARB	RAD4005ARB	HAEB012	HAEB003	HAEB004	HAEB012
VHF	VHF	VHF	VHF	VHF	VHF	VHF	VHF
136-144	144-150.8	150.8-162	162-174	380-433	450-470	450-470	450-495
Motorcycle	Motorcycle	Motorcycle	Motorcycle	Through-hole	Through-hole	Through-hole	Through-hole

APX MOBILE RADIO ACCESSORIES

COMPATIBILITY	ACCESSORY	FEATURES
ANTENNAS	ANTENNAS	ANTENNAS

ANTENNAS: A variety of antennas ensure the best possible reception wherever you operate. Choose from antennas with integrated GPS to standalone RF antennas.

UHF ANTENNAS (HF ONLY)

APX 7800 SERIES		UHF 1/4 Wave Antenna, 450-482 MHz	HAES033	UHF	450-482	Motorcycle
APX 7800 SERIES		UHF 1/4 Wave Antenna, 482-512 MHz	HAES034	UHF	482-512	Motorcycle
APX 7800 SERIES		UHF 1/4 Wave Low Profile Antenna, 450-512 MHz	HAES035	UHF	450-512	Motorcycle

700/800 MHz ANTENNAS (HF ONLY)

APX 7800 SERIES		1/4 Wave Antenna, 762-870 MHz	HAFA016	700/800	762-870	Through-hole
APX 7800 SERIES		3 dB Gain Low Profile Antenna, 762-870 MHz	HAFA013	700/800	762-870	Through-hole
APX 6500 SERIES		3 dB Gain Elevated Feed Antenna, 762-870 MHz	HAFA014	700/800	762-870	Through-hole




COMPATIBILITY	ACCESSORY	FEATURES
ANTENNAS	ANTENNAS	ANTENNAS

ANTENNAS

700/800 MHz ANTENNAS (HF ONLY)

APX 7800 SERIES		3 dB Gain Antenna
APX 7800 SERIES		Low Profile Antenna

GPS ANTENNAS

APX 7800 SERIES		GPS Roof Mount SMA Male connector cable
APX 6500 SERIES		GPS Glass Mount SMA Male connector cable
APX 4500 SERIES		GPS Glass Mount SMA Male connector cable

APX 7800 SERIES		GPS Motorcycle /
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Remote Mount Mobile Radio

Radio Model: MOTOROLA APX 6500 – DUAL CONTROL HEAD

	Included?: Y/N	
Vehicle mounted mobile radio operating in the 700/800MHz frequency band.	Y	
Control head	Y (DUAL)	
Convention Analog Operation	Y	
P25 Conventional Operation	Y	
APCO P25 Phase I trunked radio	Y	
Software Upgradeable to APCO P25 Phase II	Y	
Minimum 32 conventional channels	Y	
Minimum 256 system/talkgroups	Y	
Programmable time-out-timer	Y	
Digital and analog talk-around	Y	
Individual call	Y	
Emergency operation	Y	
Group scan	Y	
PC programmable	Y	
Alphanumeric display	Y	
Back lighting of display with dimmer control	Y	
Encryption, AES multi-key (min. 15 key capacity)	Y	
On/off volume knob	Y	
16 position rotary knob with stops	Y	
Advanced System Key	Y	
Dynamic regrouping capable	Y	
Mil Specs 810C, D, E, F, and G	Y	
Microphone	Y	
External Speaker	Y	
Cable for connection between the transceiver and the control head (30' min.)	Y	
Power cables and mounting hardware	Y	
Mixed Mode Operation (Trunked talk groups and Conventional Channels in the same bank of frequencies)	Y	
		One Time Discounts
Cost per Radio	All pricing and discount information to be provided at auction event on January 14th!	
Cost for 50 radios		
Cost for 100 radios		
Cost for 150 radios		
Cost for 200 radios		

SPECIFICATION SHEET



APX™ 6500

PROJECT 25 MOBILE RADIO

We've put exceptional flexibility into an advanced mission critical mobile radio that's easy to operate and intuitive to use. The APX 6500 P25 mobile allows users to choose from 4 control heads, mid and high power models and multiple installation configurations in an easy to install design. Innovative safety features such as GPS location tracking, intelligent lighting and one-touch controls help to keep first responders safer than ever before.

Focus on the task not the technology, with the hardworking mission critical mobile that turns mission critical into mission complete.

FLEXIBLE PLATFORM

- Interchangeable control heads that best support your operational needs - 02, 03, 05, 07 and 09
- Two transceiver options - high-power and mid-power
- Dual control head support offered on the 02, 05, 07 and 09 control heads

EASY TO INSTALL AND EFFORTLESS TO USE

- Mid-power model fits into any existing XTL footprint, so you can reuse mounting holes and cables
- High-power model turnion design lets you remove the radio without removing the cables
- 12 character RF ID label helps you track information without uninstalling your radio

CUTTING-EDGE TECHNOLOGY AND ADVANCED FEATURES

- Project 25 Phase 2 technology provides twice the voice capacity
- Integrated GPS lets you locate and track an individual or vehicle
- Advanced features like intelligent lighting, radio profiles and text messaging improve communication and coordination





APX™ 6500 SPECIFICATIONS

FEATURES AND BENEFITS:

- Available in 700/800 MHz, VHF, UHF R1 and UHF R2 bands
 - Channels: 870*
 - Trunking Standards supported:
 - Clear or digital encrypted Trunked Operation
 - Capable of SmartZone®, SmartZone Omnilink, SmartNet®
 - Analog MDC-1200 and Digital APCO P25 Conventional System Configurations
 - Narrow and wide bandwidth digital receiver (6.25kHz/12.5kHz/20kHz/25kHz)
 - Embedded digital signaling (ASTRO and ASTRO 25)
 - Integrated GPS capable
 - Integrated Encryption Hardware
 - Intelligent lighting
 - Radio profiles
 - Unified Call List
- Ships standard IP54
 - Utilizes Windows XP, Vista and Windows 7 Customer Programming Software (CPS)
 - Supports USB Communications
 - Built in FLASHport™ support
 - Re-use of most XTL™ accessories, plus new IMPRES accessories

OPTIONAL FEATURES:

- Enhanced Encryption Software Options
- Programming over Project 25 (POP25)
- Text Messaging
- Over the Air Rekeying (OTAR)
- 12 character RF ID asset tracking
- Tactical OTAR
- Siren and Light Interface Module

*Enhancement package available

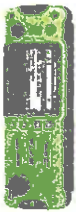
TRANSMITTER - TYPICAL PERFORMANCE SPECIFICATIONS

	700 MHz	800 MHz	VHF	UHF Range 1	UHF Range 2
Frequency Range/Bandsplit	764-776 MHz 794-808 MHz	806-824 MHz 851-870 MHz	136-174 MHz	380-470 MHz	450-520 MHz
Channel Spacing	25/20/12.5 kHz	25/20/12.5 kHz	25/20/12.5 kHz	25/20/12.5 kHz	25/20/12.5 kHz
Maximum Frequency Separation	Full Bandsplit	Full Bandsplit	Full Bandsplit	Full Bandsplit	Full Bandsplit
Rated RF Output Power Adj.	10-30 Watts	10-35 Watts	10-50 Watts or 25-110 Watts	10-40 Watts or 25-110 Watts	10-45 Watts (450-485 MHz) 10-40 Watts (485-512 MHz) 10-25 Watts (512-520 MHz)
Frequency Stability (-30°C to +60°C, ±25°C Ref.)	±0.00015 %	±0.00015 %	±0.0002 %	±0.0002 %	±0.0002 %
Modulation Limiting*	±5 kHz / ±2.5 kHz	±5 kHz / ±4 kHz (NFPSPAC) / ±2.5 kHz	±5 kHz / ±2.5 kHz	±5 kHz / ±2.5 kHz	±5 kHz / ±2.5 kHz
Modulation Fidelity (C4FM) 12.5kHz Digital Channel	±2.8 kHz	±2.8 kHz	±2.8 kHz	±2.8 kHz	±2.8 kHz
Emissions*	Conducted+ Radiated+ -75/-85 dBc -70/-40 dBm	Conducted -75 dBc Radiated -20 dBm	Conducted -85 dBc Radiated -70 dBm	Conducted -85 dBc Radiated -20 dBm	Conducted -85 dBc Radiated -20 dBm
Audio Response*	+1, -3 dB (EIA)	+1, -3 dB (EIA)	+1, -3 dB (EIA)	+1, -3 dB (EIA)	+1, -3 dB (EIA)
FM Hum & Noise	25 kHz -50 dB 12.5 kHz -48 dB	-50 dB -48 dB	-53 dB -57 dB	-53 dB -50 dB	-53 dB -50 dB
Audio Distortion*	2 %	2 %	2 %	2 %	2 %

DIMENSIONS

	Inches	Millimeters
Mid Power Radio Transceiver	2 x 7 x 8.6	50.8 x 177.8 x 218.4
05 Control Head	2 x 7 x 2.5	50.8 x 180.3 x 63.5
02 Control Head	2.7 x 8 x 2.1	68.4 x 206 x 52.83
07 Control Head	2 x 7 x 1.5	50.8 x 178 x 40
Mid Power Radio Transceiver and 05 Control Head - Dash Mount	2 x 7 x 9.6	50.8 x 180.3 x 243.8
Mid Power Radio Transceiver and 02 Control Head - Dash Mount	2.1 x 8 x 10.5	68.4 x 206 x 268

APX 6500 CONTROL HEAD PORTFOLIO



02 RUGGED CONTROL HEAD

- Large color display with intelligent lighting
- 3 lines of text 14 characters max / 1 line of icons / 1 line of menus
- Built in 7.5 watt speaker
- Multiple control head configuration (up to 2)
- Multifunction volume/channel knob
- Night/day mode button

03 HAND HELD CONTROL HEAD

- Large color display with intelligent lighting
- 2 lines of text 14 characters max / 1 line of icons / 1 line of menus
- Integrated full size DTMF keypad
- Hand-held control head with intuitive user interface
- Two quick-access side buttons
- Display contrast selector

03 STANDARD CONTROL HEAD

- Tri-color display with intelligent lighting
- 2 lines of text 14 characters max / 1 line of icons / 1 line of menus
- Available with Keypad Microphone
- Multiple control head configuration (up to 2)
- Display contrast selector

07 ENHANCED CONTROL HEAD

- Large color display with intelligent lighting
- 3 lines of text 14 characters max / 1 line of icons / 1 line of menus
- Available with Lighting & Strain Controls or DTMF Keypad
- Multiple control head configuration (up to 2)
- Multifunction volume/channel knob
- Night/day mode button

09 INTEGRATED CONTROL HEAD

- Extreme large full color display with intelligent lighting
- 2 lines of text 14 characters max / 1 line of icons / 1 line of menus
- Integrated full size DTMF keypad
- Large programmable one-touch buttons
- Dedicated siren controls
- Integrated Response Selector
- Night/day mode button

RECEIVER – TYPICAL PERFORMANCE SPECIFICATIONS

	700 MHz	800 MHz	VHF	UHF Range 1	UHF Range 2
Frequency Range/Bandplit	784-776 MHz	851-870 MHz	136-174 MHz	380-470 MHz	450-520 MHz
Channel Spacing	25/20/12.5 kHz	25/20/12.5 kHz	25/20/12.5 kHz	25/20/12.5 kHz	25/20/12.5 kHz
Maximum Frequency Separation	Full Bandsplit	Full Bandsplit	Full Bandsplit	Full Bandsplit	Full Bandsplit
Audio Output Power at 3% distortion	7.5 W or 15 W ++	7.5 W or 15 W ++	7.5 W or 15 W ++	7.5 W or 15 W ++	7.5 W or 15 W ++
Frequency Stability (-30°C to +60°C, +25°C Ref.)	+/-0.8 PPM	+/-0.8 PPM	+/-0.8 PPM	+/-0.8 PPM	+/-0.8 PPM
Analog Sensitivity*	-121 dBm	-121 dBm	Pre-Amp -123 dBm Standard -119 dBm	Pre-Amp -123 dBm Standard -119 dBm	Pre-Amp -123 dBm Standard -119 dBm
Digital Sensitivity	5% BER -121.5 dBm	-121.5 dBm	-123 dBm -119 dBm	-123 dBm -119 dBm	-123 dBm -119 dBm
Intermodulation	25 kHz 82 dB 82 dB	25 kHz 82 dB 82 dB	84 dB 85 dB 85 dB	86 dB 85 dB 85 dB	82 dB 83 dB 86 dB 85 dB
Spurious Rejection	91 dB	91 dB	95 dB	93 dB	93 dB
Audio Distortion at rated*	1.20%	1.20%	1.20%	1.20%	1.20%
FM Hum & Noise	25 kHz 59 dB 50 dB	25 kHz 59 dB 50 dB	58 dB 50 dB	55 dB 50 dB	57 dB 50 dB
Selectivity*	25 kHz 12.5 kHz 30 kHz	85 dB 75 dB	85 dB 75 dB 90 dB	85 dB 75 dB	85 dB 75 dB

SIGNALING (ASTRO MODE)

Signaling Rate	9.6 kbps
Digital ID Capacity	10,000,000 Conventional / 48,000 Trunking
Digital Network Access Codes	4,096 network site addresses
ASTRO® Digital User Group Addresses	4,096 network site addresses
Project 25 – CAI Digital User Group Addresses	65,000 Conventional / 4,094 Trunking
Error Correction Techniques	Gray, BCH, Reed-Solomon codes

GPS SPECIFICATIONS

Channels	12
Tracking Sensitivity	-153 dBm
Accuracy**	<10 meters (95%)
Cold Start	<60 seconds (95%)
Hot Start	<10 seconds (95%)
Mode of Operation	Autonomous (Non-Assisted) GPS

APP - 6500 SPECIFICATIONS

POWER AND BATTERY DRAIN

Model Type	136-174 MHz, 380-470 MHz, 450-520 MHz, 764-870 MHz
Minimum RF Power Output	10-35 Watts (764-870 MHz), 10-50 Watts or 25-110 Watts (136-174 MHz), 10-40W or 25-110 Watts (380-470 MHz), 10-45Watts (450-485 MHz), 10-40Watts (485-512 MHz), 10-25Watts (512-520 MHz)
Operation	13.9V DC ±20% Negative Ground
Standby at 13.8V	0.85A (764-870 MHz), 0.85A (136-174 MHz), 0.85A (380-470 MHz), 0.85A (450-520 MHz)
Receive Current at Rated Audio at 13.8V	3.2A (764-870 MHz), 3.2A (136-174 MHz), 3.2A (380-470 MHz), 3.2A (450-520 MHz)
Transmit Current (A) at Rated Power	136-174 MHz (10-50 Watt) 13A (50W) 8A (15W) 380-470 MHz (10-40 Watt) 11A (40W) 8A (15W) 380-470 MHz (10-40 Watt) 11A (45W) 8A (15W) 764-870 MHz (10-35 Watt) 12A (50W) 8A (15W) 136-174 MHz (25-110 Watt) 20A (110W) 380-470 MHz (25-110 Watt) 24A (110W)

MOBILE MILITARY STANDARDS 810 C, D, E, F & G

	MIL-STD 810C	MIL-STD 810D	MIL-STD 810E	MIL-STD 810F	MIL-STD 810G
	Method	Proc./Cul.	Method	Proc./Cul.	Method
Low Pressure	500.1	I	500.2	II	500.3
High Temperature	501.1	I, II	501.2	I/A1, II/A1	501.3
Low Temperature	502.1	I	502.2	I/C3, II/C1	502.3
Temperature Shock	503.1	1 Proc	503.2	I/A1/C3	503.3
Solar Radiation	505.1	II	505.2	I	505.3
Rain	506.1	I, II	506.2	I, II	506.3
Humidity	507.1	II	507.2	II	507.3
Salt Fog	509.1	1 Proc	509.2	1 Proc	509.3
Blowing Dust	510.1	I	510.2	I, II	510.3
Vibration	514.1W	VIII/F, Curve IV	514.3	I/10, II/3	514.4
Shock	516.2	I, III, V	516.3	I, V, VI	516.4

ENCRYPTION

Supported Encryption Algorithms	ADP, AES, DES, DES-XL, DES OFB, DVP, X1
Encryption Algorithm Capacity	8
Encryption Keys per Radio	Module capable of storing 1024 keys; Programmable for 64 Common Key Reference (CKR) or 16 Physical Identifier (PID)
Encryption Frame Re-sync Interval	P25 CA1 300 nSec
Encryption Keying	Key Loader
Synchronization	X1 - Counter Addressing; OFB - Output Feedback
Vector Generator	National Institute of Standards and Technology (NIST) approved random number generator
Encryption Type	Digital
Key Storage	Tamper protected volatile or non-volatile memory
Key Erasure	Keyboard command and tamper detection
Standards	FIPS (40-21 level 3) FIPS 197

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-30°C / +60°C
Storage Temperature	-40°C / +85°C
Humidity	Per MIL-STD
ESD	IEC 801-2 KV
Water and Dust Intrusion	IP54, MIL-STD

FCC TYPE ACCEPTANCE ID

BAND	OUTPUT POWER	TRANSMITTER NUMBER
764-870 MHz	10-35 Watts	AZ492F15859
136-174 MHz	25-110 Watts	AZ492F13821
380-470 MHz	10-40 Watts	AZ492F1382A
380-470 MHz	10-40 Watts	AZ492F14894
450-520 MHz	10-45 Watts	AZ492F14897
450-520 MHz	10-45 Watts	AZ492F14996

* Measured in the anechoic chamber per FCC Part 15.207 under normal conditions
 ** Accuracy specs are for long term tracking (95th percentile values > 5 satellites visible at a nominal -130 dbm signal strength)
 † Specs includes performance for the non-GNSS/GNSS bands
 ‡ Output power in to 8 and 32 Ohm external speakers respectively
 Specifications subject to change without notice. All specifications shown are typical.
 Radio meets applicable regulatory requirements.



ASTRO® Digital APX 6500 Mobile Subscriber

700/800 MHz (10 – 35 Watts)

VHF - 136 -174 (10-50, 25 - 100 Watts)

UHF R1 - 380-470 (10-40, 25 -110 Watts)

UHF R2 450-520 (10-45 Watts)

Secure and Trunked Radio Systems





Guideline

******NOTE: APX digital mobile and portable radios require either a SOFTWARE KEY (QA01749) OR HARDWARE KEY (QA01648) to be ordered to operate/program on a trunking system. IF QA01648- HARDWARE KEY is ORDERED, SUPPLEMENTAL DATA is required to be entered. Please be sure the CORRECT SYSTEM ID is entered. If an incorrect ID is entered, FLASHport will need to be ordered to FIX this error. Also, an Advanced System Keys (ASK- DVN4046) will be required to be ordered. ******

<http://ecat.comm.mot.com/ecat/pricebooks/duo/ASK.htm>

This price page consists of the following sections:

- A. [Required Main Models and Options for standard operation \(Steps 1-9\)](#)
- B. [Control Station, Dual Control Head, and Text Messaging Requirements](#)
- C. [Optional Features](#)
- D. [Aftermarket Accessories](#)
- E. [Control Head Conversion Allied Sales Models](#)
- F. [Retrofit Mounting Kits](#)
- G. [Remote Control Head Replacement AND Dual Control Head Allied Sales Model](#)

Online APX6500 Resources:

[APX6500 Ordering Guide](#)

[APX6500 Specifications Sheet](#)

[APX Mobile Radio Brochure](#)

APX6500 is not approved for use on motorcycle configurations.

Any notes relating to motorcycle configurations apply to the APX7500 product only.

CPS INFORMATION
Customer Programming Software

******Please note that a NEW version of CPS (RVN5224) is required for initial customer orders for this product. This new version of CPS is required for the APX radio shipments. APX CPS version CPS R12.00.00 and greater ordered after June 2014 will only support Windows 7 and 8. ******

Section A: Required Main Model and Options

For standard Radio Operation (including Motorcycle) **Steps 1 - 10** must be selected.

PLEASE READ ALL OPTION DESCRIPTIONS BEFORE MAKING YOUR SELECTION

1: Main Model (Must Select One)

Low/Mid Power

Description	Nomenclature	APC	Price
APX6500 7/800 MHZ MID POWER MOBILE	M25URSS9PW1 N	527	\$1,899.00
APX6500 VHF MID POWER	M25KSS9PW1 N	527	\$1,899.00
APX6500 UHF R1 MID POWER	M25QSS9PW1 N	527	\$1,899.00
APX6500 UHF R2 MID POWER	M25SSS9PW1 N	527	\$1,899.00

High Power

Description	Nomenclature	APC	Price
APX6500 VHF HIGH POWER	M25KTS9PW1 N	527	\$2,399.00
APX6500 UHF R1 HIGH POWER	M25QTS9PW1 N	527	\$2,399.00

2: Operation Mode (Must Select One)

Description	Nomenclature	APC	Price
ENH: SW ASTRO READY (ANALOG)	G241	656	\$0.00
NOT COMPATIBLE with Encryption Algorithm W989, W793, W797, G625, G298, G851, or G843 when combined with a Trunking Software Option.			
ADD: ASTRO. DIGITAL CAI OPERATION	G806	656	\$515.00

3a: System Enhancement Software (Must Select One)

Description	Nomenclature	APC	Price
ENH: CONVENTIONAL OPERATION APX6500	G48	527	\$500.00
ENH: SMARTZONE OPERATION APX6500	G51	527	\$1,200.00
ADD: ADVANCED SYSTEM KEY - HARDWARE KEY	QA01648	655	\$5.00

A SOFTWARE or ADVANCED SYSTEM KEY or WACN KEY is REQUIRED to be purchased with any APX Radio operating in trunking. A SUPPLEMENTAL ID is REQUIRED to be entered when this option is ordered. Please be sure the CORRECT SYSTEM ID is entered. If an incorrect ID is entered, FLASHport will need to be ordered to FIX this error. ADVANCED SYSTEM KEY or WACN KEY will still REQUIRE a DVN4046 to be purchased.

SW KEY SUPPLEMENTAL DATA	Nomenclature	APC	Price
A SOFTWARE or ADVANCED SYSTEM KEY or WACN KEY is REQUIRED to be purchased with any APX Radio operating in trunking.	QA01749	655	\$0.00

ADD: ADVANCED WACN KEY SUPP DATA	Nomenclature	APC	Price
A SOFTWARE or ADVANCED SYSTEM KEY or WACN KEY is REQUIRED to be purchased with any APX Radio operating in trunking. A SUPPLEMENTAL ID is REQUIRED to be entered when this option is ordered. Please be sure	QA02018	655	\$0.00

the CORRECT SYSTEM ID is entered. If an incorrect ID is entered, FLASHport will need to be ordered to fix this error. ADVANCED SYSTEM KEY or WACN KEY will still REQUIRE a DVN4046 to be purchased.

3b: Optional System Enhancement Software (Not Required)

Description	Nomenclature	APC	Price
ADD: SMARTZONE OMNILINK Automatic Zoning Across Zones, Zone Registration, Trespass Protection, Over the Air Site Alias, 32 Preferred Sites, FastStart and AllStart Call Setup.	G173	656	\$200.00
ADD: P25 TRUNKING SOFTWARE When ordering this option G51 & G808 MUST be ordered. G173 is Included at "NO CHARGE".	G361	656	\$300.00
ADD: TDMA OPERATION When ordering an APX6500LI model this option requires QA02756 software package	GA00580	656	\$400.00
ADD: DVRS PSU ACTIVATION Enables DVRS Enhanced PSU functionality on APX Mobile Radios. Requires Digital Operation. QA00631 is to be ordered for radios that are not connected directly to a DVR. If you are connecting your radio directly to a DVR then order GA00631.	QA00631	655	\$100.00
ADD: DVRS MSU ACTIVATION Remote mount, necessary when physically connecting a Mobile Radio with a DVR	GA00631	656	\$250.00

NOTE: OPTION QA00631 (DVRS PSU) ALLOWS THE MOBILE SUBSCRIBER TO BE USED AS A PSU. AN XTL MOBILE SUBSCRIBER IS STILL REQUIRED AS AN MSU

3c: Optional Data Link Manager CD (Not Required)

Description	Nomenclature	APC	Price
ADD: DATA LINK MANAGER APP CD- MOBILES Option provides the NVN5424 Data CD. Please order this option if you would like the Data CD, and are unable to obtain it through other sources such as MOL.	QA00205	655	\$0.00

4: Control Head Hardware (Must Select One)

No Control Head			
No 02, 05, 07 or 09 Control Head			
Description	Nomenclature	APC	Price
ADD: NO CONTROL HEAD NEEDED Requires remote mounting option (G67 or G655)	G88	500	\$0.00
No 03 Control Head			
ADD: NO 03 CONTROL HEAD	GA00001	656	\$0.00

*****O2 Control Head Hardware*****
 ADD: APX O2 CONTROL HEAD (Grey) GA00804 656 \$492.00

*****O2 Control Head options*****
 ADD:IMPACT GREEN COLOR HOUSING (O2) G201 656 \$25.00
 When ordered in conjunction with GA00804 you will get a green colored O2 housing.

ADD: SCHOOL SERCUITY ENHANCEMENT PACKAGE GA01056 656 \$50.00
 Education O2 Emergency Push Button

*****O3 Control Head Hardware*****
Description
 ADD:O3 CONTROL HEAD Nomenclature APC Price
 G72 656 \$946.00
 NOTE: VERSION PMUN1034C WILL NO LONGER SHIP FROM THE FACTORY AS IT HAS BEEN REPLACED BY VERSION PMUN1034E. PMUN1034C IS NO LONGER AVAILABLE
 Select G80 (No MIC needed) when you order this option
 AVAILABLE IN STANDARD KEYPAD AND LIGHTS AND SIREN KEYPAD VERSIONS. (For lights and siren add GA00806 Trigger Option)

*****O5 Control Head Hardware*****
Description
 ADD: O5 CONTROL HEAD Nomenclature APC Price
 G442 656 \$432.00

*****O7 Control Head Hardware*****
 ADD: APX O7 CONTROL HEAD. GA00805 656 \$632.00
 AVAILABLE IN STANDARD KEYPAD AND LIGHTS AND SIREN KEYPAD VERSIONS. (For lights and siren add GA00806 Trigger Option)

Vehicle Integration

*****O3 and O7 Control Head Siren/Light Trigger*****
 Drives Siren & Light Keypad Printing and Factory Programming Software for Light relay operations

ADD:CH SIREN & LIGHTS KEYPAD GA00806 656 \$50.00
 Available on O3 and O7 Control Heads

*****O9 Control Head Hardware*****

Description	Nomenclature	APC	Price
ADD: APX 7500 O9 CONTROL HEAD Motorola Siren TT2592 requires URC GA00259 and cable GA00260 for full Light Control Operation. SLIM TT2723 does not Require a URC.	GA00245	656	\$1,200.00

FOR SIREN ORDERING PLEASE SEE THE SIREN SECTION BELOW

Lights Require URC and Gun Lock Requires VIP

Description	Nomenclature	APC	Price
ADD: UNIVERSAL RELAY CONTROLLER Required to Control Vehicle Lights with the O3, 07 and O9 Control Heads. Requires URC Cable GA00260.	GA00259	656	\$250.00
ADD: CABLE URC TO TRANSCIVER Connects Universal Relay Controller to APX Transceiver via a RJ45 and CGAI connection.	GA00260	656	\$15.00
ADD: EXTERNAL ALARM RELAY AND CABLE For either HORN or LIGHTS. NOT both	W116	656	\$75.00
ADD: GCAL EXTENSION CABLE 2 FT For use with 07, O9 Control Heads and GCAL style Mic. KIT #PMKN4093A.	GA00589	656	\$30.00
ADD: REMOTE MOUNT VIP CBL APX Park/Kill, Gunlock, "Horn Ring/Horn Transfer" or Horn/Lights Park/Kill and Horn "Ring/Horn Transfer" only available with Motorola Siren. Gunlock supported on O9 Control Head Only. CORRESPONDING KIT: (HKNE196B)	G322	656	\$35.00

5: Control Head Software (Must Always Select G444 - same software for all control heads)

Must select G444 AND G138 for motorcycle operation

Description	Nomenclature	APC	Price
ADD: APX MOTORCYCLE CH SWFR Required for Motorcycle Operation, W22 HMN1079 Motorcycle Mic is a mandatory selection with this option.	G138	656	\$0.00
ADD: APX CONTROL HEAD SOFTWARE	G444	656	\$0.00

6: Mounting (Must Select One for Mid Power Models)

If a remote mount cable other than 5 meters (177ft) is desired for G67, please reference the "Remote Mount Cables" section below in Section C: Optional Features

High Power Models automatically include a Quick Release Keylock Remote Mounting option, no selection is required

Description

ADD: DASH MOUNT

Required for Control Station Operation. O3 Dash mount is identical to remote mount minus the 177' extension cable PMLM4956A

ADD: REMOTE MOUNT MID POWER

Not Compatible with High Power.
G87BA is required for Motorcycle Configuration.
Motorcycle Remote Mount Option is \$400 DUP.

Nomenclature

G66

APC
656

Price
\$125.00

G67

656

\$297.00

7: RF Antenna

No Antenna Needed is Valid For All Bands

Description

ADD: NO RF ANTENNA NEEDED

7/800

Nomenclature

G89

APC
656

Price
\$0.00

Description

ADD: ANT 3DB LOW-PROFILE 762-870

Motorcycle Approved
Corresponding kit: HAF4013
Corresponding Motorcycle kit: HAF4018

ADD: ANT 3DB ELEVATED FEED 762-870

NOT Compatible with Motorcycle.
Corresponding kit: HAF4014.

ADD: ANT 1/4 WAVE 762-870 MHZ

Motorcycle Approved
Corresponding Motorcycle kit: HAF4015
Corresponding kit: HAF4016

ALT: ANT 3DB GAIN 762-870MHZ

Not compatible with Motorcycle.
Corresponding kit: HAF4017.

Nomenclature

G174

APC
656

Price
\$43.00

G175

656

\$75.00

G335

656

\$14.00

W484

656

\$38.00

VHF

Description

ADD: 3BD ANT 136-174MHZ

Not Compatible with Motorcycle
Corresponding kit: HAD4022A.

ADD: 1/4 WAVE WHIP ROOF TOP 136-144

Corresponding kit: HAD4006
Corresponding Motorcycle kit: RAD4002ARB

Nomenclature

G301

APC
656

Price
\$58.50

G296

656

\$13.50

ADD: 1/4 WAVE ROOF TOP 144-150.8 Corresponding Kit: HAD4007 Corresponding Motorcycle Kit: RAD4003ARB	G297	656	\$13.50
ADD: 1/4 WAVE ROOF TOP 150.8-162 Corresponding Kit: HAD4008 Corresponding Motorcycle Kit: RAD4004ARB	G299	656	\$19.50
ADD: 1/4 WAVE ROOF TOP ANT VHF Corresponding Kit: HAD4009 Corresponding Motorcycle Kit: RAD4005ARB	G300	656	\$13.50
1/4 WAVE BROADBAND ANT 146-174 Not Compatible with Motorcycle Corresponding Kit: HAD4017.	G629	656	\$64.00
ADD: VHF ANT WIDEBAND 136-174 MHZ Not Compatible with Motorcycle Corresponding Kit: HAD4021.	G792	656	\$75.00
ALT: 1/4 WV BDBD ANT 136-162 MHZ Corresponding Kit: HAD4016	W652	656	\$47.75

UHF R1

Description	Nomenclature	APC	Price
ADD: ANT 3.5DB 380-420 MHZ MAXRAD Not Compatible with Motorcycle Corresponding Kit: HAE6010.	G427	656	\$55.00
ADD: ANT 5.0DB 380-420 MHZ MAXRAD Not Compatible with Motorcycle Corresponding Kit: HAE6011.	G429	656	\$62.00
ADD: ANT 5.0DB 445-470 MHZ Not Compatible with Motorcycle Corresponding Kit: RAE4014ARB.	G430	656	\$110.00
ADD: ANT 1/4 WAVE WHIP 380-420 MHZ Not Compatible with Motorcycle Corresponding Kit: HAE6012. **DESIGN MODIFICATIONS ARE BEING MADE TO THIS ANTENNA. THE NEW DESIGN INCLUDES TITANIUM BLACK PLATING, TEARDROP TOP, AND GOLD BUTTON PLATING.**	G425	656	\$25.00
ADD: ANT 1/4 WAVE WHIP 450-470 MHZ Not Compatible with Motorcycle TEMPORARY: Not compatible with U2-71800 Bandsplit. Corresponding Kit: HAE4003.	G426	656	\$25.00
ADD: ANT 3.5DB 450-470 MHZ Not Compatible with Motorcycle Corresponding Kit: HAE4011.	G428	656	\$50.00
ADD: ANT WIDEBAND 380-470 MHZ MAXRA Not Compatible with Motorcycle	G431	656	\$58.00

Corresponding Kit: HAE6013.
 ADD: ANT 2DB WIDEBAND 380-520 MHZ
 TEMPORARY: Not compatible with U2-7/800 Bandsplit.
 Corresponding Kit: HAE6031_

GA00505 656 \$50.00

UHF R2

Description

ADD: ANT 5.0DB 445-470 MHZ

Nomenclature **APC** **Price**
 G430 656 \$110.00

Not Compatible with Motorcycle
 Corresponding Kit: RAE4014ARRB.

ADD: ANT 1/4 WAVE WHIP 450-470 MHZ

G426 656 \$25.00

Not Compatible with Motorcycle
 TEMPORARY: Not compatible with U2-7/800 Bandsplit.
 Corresponding Kit: HAE4003.

ADD: ANT 3.5DB 450-470 MHZ

G428 656 \$50.00

Not Compatible with Motorcycle
 Corresponding Kit: HAE4011.

ADD: 5DB GAIN ANT 494-512 MHZ

G486 656 \$58.00

Not Compatible with Motorcycle
 Corresponding Kit: RAE4016ARRB.

ADD: ANT 1/4 WAVE 470-512 MHZ

G490 656 \$14.00

Not Compatible with Motorcycle
 Corresponding Kit: HAE4004.

ADD: ANT 3 DB ROOF TOP 470-495 MHZ

G493 656 \$33.00

Not Compatible with Motorcycle
 Corresponding Kit: HAE4012.

ADD: ANT 3 DB ROOF TOP 494-512 MHZ

G494 656 \$33.00

Not Compatible with Motorcycle
 Corresponding Kit: HAE4013.

ADD: ANT LOW PROFILE 450-512 MHZ

G510 656 \$50.00

Not Compatible with Motorcycle
 Corresponding Kit: HAE6016

ADD: 2DB ANT WIDEBAND 450-520 MHZ

G511 656 \$70.00

TEMPORARY: Not compatible with U2-7/800 Bandsplit.
 Corresponding Motorcyle kit:HAE6015

ADD: ANT 2DB WIDEBAND 380-520 MHZ

GA00505 656 \$50.00

TEMPORARY: Not compatible with U2-7/800 Bandsplit.
 Corresponding Kit: HAE6031_

ADD: ANT ROOF TOP 5 dB 470-494 MHZ

GA00652 656 \$81.75

Not Compatible with Motorcycle.
 Corresponding kit: RAE4015ARRM.

8: Microphones (Must Select One)

Description	Nomenclature	APC	Price
ADD: NO MICROPHONE NEEDED	G90	656	\$0.00
Select this option when ordering O3 Handheld Control Head (G72)			
ADD: PALM MICROPHONE	W22	656	\$72.00
Corresponding kit: HMN1080			
ADD: KEYPAD MIC GCAI	W20	656	\$180.00
Corresponding kit: HMN4079			
ADD: CONTROL STATION DESK GCAI MIC	W382	656	\$169.00
Dash Mount Required			
Corresponding Kit: RMN5070			
ENH: HAND MIC,GCAI WATER RESISTANT	G892	656	\$72.00
Corresponding kit HMN1089A			
ADD: HANDSET/HANGUP COILED CABLE	G876	656	\$415.00
Coiled Cable, No Toggle Switch			
Accessory Kit: HKN1017			
ADD: VISOR MIC REMOTE MOUNT	W872	656	\$30.00
Requires G235 Footswitch PTT.			
Kit Number: RMN5054			
ADD: MODEL III GCAI KEYPAD HANDSET	GA00221	656	\$295.00
Corresponding kit: HMN4097A			
ADD: GOOSENECK PTT	G233	656	\$56.00
Requires W872 Visor Mic.			
Kit Number: HMN1087A			
ADD: HANDSET/HANGUP MIC ARMORED CABLE	W874	656	\$300.00
Armored Cable, No Toggle Switch			
Accessory Kit: HKN1018			
ADD: PTT FOOTSWITCH	G235	656	\$51.00
Requires W872 Visor Mic.			
Kit Number: GLN7278			
ADD: PUSHBUTTON PTT	GA00304	656	\$56.00

9: Speakers (Must Select One)

G142 NO SPEAKER Required for Control Station

Description	Nomenclature	APC	Price
ADD: SPKR 15W WATER RESISTANT	G831	656	\$60.00
ADD: NO SPEAKER NEEDED	G142	656	\$0.00
ADD: AUXILIARY SPKR 7.5 WATT	B18	656	\$60.00
Corresponding kit: HSN4031.			

ADD: AUXILIARY SPKR 13W (3.2OHM)

W432

656

\$71.50

10: Service Option (Must Select One)

Description	Nomenclature	APC	Price
DEL:NO SFS-STD WARRANTY/APPLIES	GA05100	185	\$0.00
Provides no extended repair coverage after the standard warranty period expires			
ENH: 1 YR SFS LITE	G400	185	\$64.00
ENH: 2 YR SFS LITE	G24	185	\$121.00
ENH: 3 YR SFS LITE	G398AU	185	\$152.00
ENH: 4 YR SFS LITE	GA00318	185	\$197.00
Provides 4 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.			
ENH: SFS COMPREHENSIVE	GA00249AC	185	\$221.00
ENH: CANADA 3 YR SFS LITE	GA00314	386	\$200.00
ENH: CANADA 5 YR SFS LITE	GA00317	386	\$274.00

Section B: Control Station and Dual Control Head Requirements

CONTROL STATION OPERATION

(Mid Power Radios Only)

- I. First, you must review your selection of the following options from "Section 1: Required Options".
 - Step 1 (Note: Main Mode)
 - Step 2 (Note: All listed options are compliant)
 - Step 3 (Note: All listed options are compliant)
 - Step 4 (Note: O2, O5, O7 Control Head are compatible with Control Station Application- Must only select one).
 - Step 5 (Note: Must Select G444. The O2, O5 and O7 Control Head Software is compatible with Control Station Application).
 - Step 6 (Note: Must Select G66. Control Station operation is only offered in Dash mount configuration)
 - Step 7 (Note: All listed options are compliant)

- Step 8 (Note: Some Microphones are NOT compatible. Please read option description).
- Step 9 (Note: Must Select G142 - No Speaker Needed)

II. You Must Select W665. G91 is needed for control station operation, but is an optional purchase.

SPECIFIC CONTROL STATION OPTIONS

Control Station Operation and Power Supply

Description	Nomenclature	APC	Price
ADD: CONTROL STATION POWER SUPPLY	G91	656	\$269.00
ADD: BASE STATION APEXWMM	W665	656	\$70.00

III. Features listed in "Section C: Optional Features" are optional, if applicable. Please read the option's description to determine compatibility.

DUAL CONTROL HEAD RADIO

What is an APX6500 Dual Control Head Configuration? The APX6500 mobile radio and the O2, O5 or O7 control head can be configured in a dual control head configuration to support up to 2 control heads on a single transceiver. This allows control of a single APX6500 transceiver from 2 different control head locations. The O2 and O7 control head can be paired but are not orderable as a GA00092

The O2, O5 and O7 control heads are the only control head that supports Dual control head configurations.

The O2 and O7 are the only control heads that can be mixed in a Dual control head configuration. You must order one control type (O2 or O7) separately from section Section F: Remote Control Head Replacement AND Multiple Control Head Allied Sales Model not as GA00092

DUAL CONTROL HEAD ORDERING PROCEDURES

*** Dual Control Head Always Requires the O2, O5, O7 Control Head Hardware (G442) ***

*** When Ordering Dual Control Heads Only One Type Control Head Can Be Selected***

*** Dual Control Head Always Requires Control Head Software (G444) ***

*** Dual Control Head Radios Always Require the Dual Control Head Option (GA00092). ***

This Dual Control Head Option QTY should ALWAYS equal the main line item Qty.

Description	Nomenclature	APC	Price
ADD: DUAL-CONTROL HD HARDWARE	GA00092	656	\$570.00

*** Dual Control Head Always Requires Remote Mount ***

*** THERE IS NO STANDARD 17' CABLE OFFERED FOR A DUAL CONTROL HEAD CONFIGURATION. YOU MUST ALWAYS ORDER ONE CABLE PER CONTROL HEAD ***

Description	Nomenclature	APC	Price
ADD:CBL REMOTE MOUNT 10 FEET Corresponding kit: HKN6170	G618	656	\$10.00
ADD: REMOTE MOUNT CBL 17 FEET Included at no charge with Single Control Head Remote Mount installations and High Power. Corresponding kit: HKN6169	G628	656	\$15.00
ADD: REMOTE MOUNT CBL 30 FEET Corresponding kit: HKN6188	G610	656	\$25.00
ADD: REMOTE MOUNT CBL 50 FEET Corresponding kit: HKN6167	G609	656	\$35.00
ADD:CBL REMOTE MOUNT 75 FEET Corresponding kit: HKN6188A	G607	656	\$45.00
ADD:REMOTE MOUNT CBL 115 FEET Corresponding kit: HKN6165	G879	656	\$55.00

*** Total # of microphones must match the total # of control heads being ordered. The G90 "No Mic Needed" option counts as a mic option ***

**** Total # of speakers must match the total # of control heads being ordered. The G142 "No Speaker Needed" option counts as a speaker option ***

NOTE: DEK BOX Hardware cannot be ordered as an option with Dual Control Head. You must order individual DEK Box Kits for each control head you need to have DEK box hardware.

APX DUAL RADIO

The APX Dual Radio Feature offers the capability to control **TWO (2)** APX7500, APX6500, or APX6500L mobile radios from **ONE (1)** O7 control head. APX Dual Radio allows for mixing and matching of radios across tiers (i.e. APX7500 with APX6500) and power levels (High Power with Mid Power).

- Each radio in an APX Dual Radio system must be ordered independently.
- The mobiles in a dual radio solution can be single or dual band. Both radios can be on the same or different frequency bands.
- One radio must be ordered with the Primary Radio option (GA01113) and the other with the Secondary Radio option (GA01117). This will include both the SW and HW required for dual radio operation.
- Although each radio must be ordered as either a Primary or Secondary radio, each radio can be configured to work as a Primary, Secondary, or a Standalone radio.
 - The Primary radio must be ordered with an O7 CH. APX Dual Radio is NOT compatible with any other control head.
 - The primary radio includes a short dual radio CAN cable to connect both radios together. If the stack mount trunnion is ordered, a right-angle version of this cable will ship instead to facilitate stack mounted installations. If a different length is desired, the standard remote mount control head cables can also be used to connect both radios together.
 - The secondary radio must be ordered with no control head (G88)
- Only one speaker can be connected to the control head and it will play audio from the primary radio. A 30 ft. speaker extension cable is included on the secondary radio to connect the second speaker directly to the secondary radio. If a longer cable is needed, a 131 ft. version can be purchased from AAD (part # HKN6251A)
- The stackable mid power trunnion is optional but must be ordered with the primary radio if required. The stackable trunnion is NOT compatible with High Power models.

Primary Radio

Description	Nomenclature	APC	Price
ENH: DUAL RADIO OPERATION (PRIMARY RADIO)	GA01113	656	\$650.00
ADD: DUAL RADIO STACKABLE MP TRUNNION	GA01115	656	\$50.00

Secondary Radio

ENH: DUAL RADIO OPERATION (SECONDARY RADIO)	GA01117	656	\$650.00
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ASTRO Advanced Messaging Solution (AMS)

The ASTRO 25 Advanced Messaging Solutions is the latest messaging platform from Motorola Solutions and will replace ASTRO Text Messaging Service (TMS). As a complete end-to-end solution it leverages the core assets of ASTRO 25 IV&D/CID networks, ASTRO 25 radios, Integrated Command Center applications and Unified Network Services. The application allows responders to send/receive messages and run database queries from ASTRO 25 data enabled portable radios, extending real time information access to the field so dispatchers and first responders can be more efficient and achieve safer outcomes.

Provides functional parity with TMS and leverages the PremierOne messaging services platform, offering multiple configurations to enhance and extend core messaging functionality that can include queries and dispatch notifications. Based upon the configuration chosen, ASTRO 25 Advanced Messaging Solution extends Computer Aided Dispatch (CAD) information beyond the vehicle to select ASTRO 25 Portable radios.

Many Public Safety agencies have experienced the benefits of messaging and sharing important information to/from the communication center (dispatch) and vehicles equipped with MDT's. With ASTRO 25 Advanced Messaging Solution we are extending that capability to responders when Outside the Vehicle.

ASTRO Advanced Messaging Solution will be available on APX 7000 Dual Display Portable radios. Advanced Messaging is NOT supported on APX 7000 Top Display Portable radios.

Ordering ASTRO Advanced Messaging Solution for APX Mobiles Require: (Note: some control heads are not available on all main models)

- • O9, O7, O5, O3 or O2 Control Heads
- With O2 or O5 Control Heads Require Keypad Mic (W20)
 - ASTRO Digital CAI Operation (G806)
 - P25 Conventional (G48)
 - Packet Data Interface (W947)
- OR
- • O9, O7, O5, O3 or O2 Control Heads
- With O2 or O5 Control Heads Require Keypad Mic (W20)
 - ASTRO Digital CAI Operation (G806)
 - SmartZone Operation (G51)
 - ASTRO Project 25 Trunking Software (G361)
 - Packet Data Interface (W947)

NOTE: There is no specific option to order for the Advanced Messaging Solution on the subscribers as the functionality is included in the Packet Data option. Also, the text messaging functionality carries a per-radio charge on the server side of \$50 (one time license fee to access messaging services) per radio. When adding query the fee is \$125 per radio. For additional ordering guidelines of the AMS feature which includes the server and radio license fees, please visit -

<http://ecat.comm.mot.com/ecat/pricebooks/dup/MCCP.htm>

Section C: Optional Features

The following options are optional and will provide additional capabilities, if required.

System Enhancement Options

Description	Nomenclature	APC	Price
ADD: MULTICAST VOTING SCAN This feature allows for voting of the Conventional Channels ONLY.	G387	656	\$200.00
ENH: OVER THE AIR PROVISIONING Compatible with P25 Trunking OR ASTRO Conventional only; There is NO Analog Functionality for this feature. Requires W947 Data option. To do In field POP25 programming must use Advanced System Key (DVN4046A). Single unit POP25 with batch programming for trunking configuration coming in future.	G996	656	\$100.00
ADD: ASTRO 25 INTEGRATED VOICE & DATA	W947	656	\$200.00
ADD: ENHANCED DATA Smartzone (H38/G61), Digital (G808/G806), IV&D (Q947W947)and P25 Trunking (Q361/G361) are required when ordering the Enhanced Data option	QA03399	656	\$150.00
ENH: APX GPS ACTIVATION Requires IV&D Activation.	GA00229	656	\$100.00
ADD: SITE SELECTABLE ALERT FOR P25 TRUNKING	GA00982	656	\$150.00
ENH: ENH: RADIO TRACE Requires W20, W22, W872, G892, GA00221 or the O3 HHCH. Some older revisions are not compatible.	G170	656	\$75.00
ADD: TRUNKED ONE TOUCH BUTTON APX	G683	656	\$150.00
ADD: APX MOBILE RADIO AUTHENTICAT Requires P25 Trunking (G361)	GA01767	527	\$100.00
ENH: ENHANCEMENT LEVEL 2 Please reference the Enhancement Level Reference Guide for more details.	GA01771	527	\$200.00

[Enhancement Level Reference Guide](#)

GPS Antennas

Selection is required when ordering GA00229, GPS Activation

Description	Nomenclature	APC	Price
ADD: NO GPS ANTENNA NEEDED	GA00235	656	\$0.00
ADD: GPS ANTENNA Corresponding kit: HA-G4000	GA00226	656	\$75.00
ADD: GPS ANTENNA GLASS MT Corresponding kit: PMAN4001	GA00270	656	\$75.00

[GPS Outdoor Location Solution Overview](#)

Encryption Algorithms

All APX6500 Mobile Radios ship standard with Single Key Advanced Digital Privacy (ADP).
****ADP Privacy is not FIPS compliant - ADP Privacy not supported by OTAR - ADP is digital P25 conventional / P25 trunking only****

Description	Nomenclature	APC	Price
ADD: MULTIPLE KEY ENCRYPTION OPERATION	W969	656	\$330.00
REQUIRED when using more than one encryption algorithm or encryption key.			
ENH: ASTRO 25 OTAR W/ MULTIKY	G298	656	\$740.00
Includes Multi-key (W969)and Trunking OTAR.			
Includes Tactical OTAR. Tactical OTAR can only be utilized when IV&D is purchased.			
ADD: AES ENCRYPTION APX	G843	656	\$475.00
Requires P25 operation.			
ADD: DES/DES-XL/DES-OFB ENCRYPTION	G625	656	\$599.00
Analog Secure (DES and DVP) supported in radios shipped past June 1, 2010.			
ADD: DVP-XL ENCRYPTION APX7500	W797	656	\$487.00
Analog 25 Khz Only supported in radios shipped past June 1, 2010.			
ADD: AES/DES-XL/DES-OFB ENCRYPTION	G851	656	\$799.00
G851 is NOT compatible with G843 and G625. W969 Multi-key required for use of more than 1 key. Analog Secure (DES and DVP) supported in radios shipped past June 1, 2010. AES and DES-OFB Operation Require Digital (G806).			
ADD: 3 DAY KEY RETENTION APX	GA00236	656	\$100.00
Includes GA00227 REMOVABLE MEMORY 1 GB.			

Expandable Memory

Description	Nomenclature	APC	Price
ADD: REMOVABLE MEMORY 1 GB	GA00227	656	\$75.00
Not compatible with GA00236 (ADD: 3 DAY KEY RETENTION APX) since 1 GB memory is included with that option.			

Remote Mount Cables

(All cables are for 07 or 05 control head only)

(The 5 meter (17 FT) Cable Ships Standard)

Description	Nomenclature	APC	Price
ADD: CBL REMOTE MOUNT 10 FEET	G618	656	\$10.00
Corresponding kit: HKN6170			
ADD: REMOTE MOUNT CBL 30 FEET	G610	656	\$25.00
Corresponding kit: HKN6168			
ADD: REMOTE MOUNT CBL 50 FEET	G609	656	\$35.00
Corresponding kit: HKN6167			

ADD:CBL REMOTE MOUNT 75 FEET	G607	656	\$45.00
Corresponding kit: HKN6166A			
ADD:REMOTE MOUNT CBL 115 FEET	G879	656	\$55.00
Corresponding kit: HKN6165			
ADD: REMOTE MOUNT CABLE 131 FT	G582	656	\$65.00
For Dual/Tri/Quad configurations, the total cable length may not be greater than 131 ft (40 meters). Therefore, this cable should not be used with a dual, tri, or quad control radio			
Corresponding kit: HKN6164			

DEK

Description	Nomenclature	APC	Price
ADD: STATUS/MESSAGE 8	W355	656	\$475.00
NOT compatible with O3 or Motorcycle Control Heads. Not compatible with Dash Mount configuration. Requires Remote Mount configuration.			
CORRESPONDING KIT: H1839A			
ADD: STATUS/MESSAGE 16	W374	656	\$650.00
NOT compatible with O3 or Motorcycle Control Heads. Not compatible with Dash Mount configuration. Requires Remote Mount configuration.			
CORRESPONDING KIT: H1839A			

Direct Mode Entry

Description	Nomenclature	APC	Price
ADD: 8 MODE DIRECT ENTRY	W599	656	\$180.00
NOT compatible with O3 or Motorcycle Control Heads. Not compatible with Dash Mount configuration. Requires Remote Mount configuration.			
CORRESPONDING KIT: H1835A			
ADD: 16 MODE DIRECT ENTRY	W614	656	\$360.00
NOT compatible with O3 or Motorcycle Control Heads. Not compatible with Dash Mount configuration. Requires Remote Mount configuration.			
CORRESPONDING KIT: H1836A			
ADD: 24 MODE DIRECT ENTRY	W615	656	\$540.00
NOT compatible with O3 or Motorcycle Control Heads or W269 Siren/PA or other DEK or Direct Mode Entry Selections. Not compatible with Dash Mount configuration. Requires Remote Mount configuration.			
CORRESPONDING KIT: H1837A			

SIREN DEK/SWITCH OPTIONS

ADD: DEK FOR WHELEN SIREN W/ O3 CH ONLY	GA00812	656	\$105.00
Corresponding kit: H1882A.			

ADD: DEK FOR WHELEN SIREN
 Corresponding kit: H1883A.

GA00814

656

\$105.00

Auxiliary WILDCARD

Description

ADD: AUXILIARY SWITCH PANEL

Corresponding kit: HLN1196.
 Remote Mount Required. NOT compatible with O3 control head or motorcycle.

Nomenclature
 W591

APC
 656

Price
 \$165.00

Alarm

Description

ADD: EXTERNAL ALARM RELAY AND CABLE

For either HORN or LIGHTS. NOT both

Nomenclature
 W116

APC
 656

Price
 \$75.00

Emergency

Description

ADD: EMERGENCY ID EXT. FOOTSWITCH

Corresponding kit: HLN5113.

ADD: EXTERNAL EMERGENCY PUSHBUTTON

Corresponding kit: HLN5131

Nomenclature
 W470

APC
 656

Price
 \$56.00

W688

656

\$56.00

Data Cables

Description

ADD: RS232 DATA INTFC CBL DASH

6 FT RS232 DATA CABLE
 Corresponding kit: HKN6160A.

ADD: RS232 DATA INTFC CBL TRK

20 FT RS232 DATA CABLE
 Corresponding kit: HKN6161A.

ADD: USB DATA INTFC CABLE-DASH

6 FT USB W/IGNITION SENSE
 Corresponding kit: HKN6163B.
 Can be used to program APX Mobile Radios.

ADD:USB DATA INTFC CABLE-TRK

16.5 FT USB W/IGNITION SENSE
 Corresponding kit: HKN6172B.
 Can be used to program APX Mobile Radios.

Nomenclature
 G303

APC
 656

Price
 \$50.00

G304

656

\$50.00

G308

656

\$50.00

G309

656

\$50.00

RF ID Tag

Description	Nomenclature	APC	Price
ADD: RFID LABEL	GA00268	656	\$15.00

Service Options

Description	Nomenclature	APC	Price
DEL:NO SFS-STD WARRANTY/APPLIES	GA05100	185	\$0.00
Provides no extended repair coverage after the standard warranty period expires			
ENH: 1 YR SFS LITE	G400	185	\$64.00
ENH: 2 YR SFS LITE	G24	185	\$121.00
ENH: 3 YR SFS LITE	G398AU	185	\$152.00
ENH: 4 YR SFS LITE	GA00318	185	\$197.00
Provides 4 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery service. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.			
ENH: SFS COMPREHENSIVE	GA00249AC	185	\$221.00
ENH: CANADA 3 YR SFS LITE	GA00314	386	\$200.00
ENH: CANADA 5 YR SFS LITE	GA00317	386	\$274.00

Amplifier

*(****UHF and VHF Mid and High Power Radios Only****)*

Description	Nomenclature	APC	Price
ADD: RF PREAMP	W12	656	\$66.00
Option applies only to VHF & UHF radios.			

Mounting Lock

Description	Nomenclature	APC	Price
ADD: KEY LOCK MOUNT APX	W81	656	\$33.00
Remote Mount Mid Power Only.			

Test Results

Description	Nomenclature	APC	Price

ADD: PRINTED TEST RESULTS APEX

G799

656

\$10.00

SIREN AND LIGHTS INTERFACE MODULE

(Allows for control of most light and siren systems via radio control head. Not required for Motorola Siren.)

- Ordering guides for NEW and UPGRADE installations (click one if needed).

- NOTE: The Siren and Lights Interface Module is only compatible with remote-mount APX7500 and APX6500 / APX6500Li mobile radios with O9, O7 or O3 control heads

- If upgrading fielded unit, please refer to the UPGRADE ordering guide for additional instructions.

1. Order Module (REQUIRED)

The module is required.

The module includes the Module to Radio cable, power cable and GPIO cable.

Description	Nomenclature	APC	Price
SIREN AND LIGHTS INTEGRATION MODULE	TT2723	571	\$690.00
The module includes the Radio-to-Module cable, the power cable and GPIO cable.			

2. Order Interface Cable Kit (REQUIRED)

Must select one from the kits below – must match up to the specific siren and lights system being used – see ordering guide for detail

Description	Nomenclature	APC	Price
ADD: INTERFACE KIT IK-A1 (DATA RJ45 Compatible with: Whelen CenCom Grey Spare part number: DDN1778A)	TT05890AA	571	\$45.00
Description	Nomenclature	APC	Price
ADD: INTERFACE KIT IK-A4 (DATA RJ45 Compatible with: Whelen MPC01/VAM Spare part number: DDN1779A)	TT05891AA	571	\$45.00
Description	Nomenclature	APC	Price
ADD: INTERFACE KIT IK-C1 (DATA DB9 Compatible with: Whelen MPC03)	TT05892AA	571	\$45.00

Spare part number: DDN1780A

Description

ADD: INTERFACE KIT IK-D3 (DATA RJ11

Compatible with: Fed Sig Platinum SS3000

Spare part number: DDN1781A

Description

ADD: INTERFACE KIT IK-E2 (DATA RJ11

Compatible with: Codes Z3

Spare part number: DDN1782A

Description

ADD: INTERFACE KIT IK-A1WA (GOLD...

Compatible with: Cencorn Gold (Includes external siren Interface module)

Spare part number: DDN1898A

Description

ADD: INTERFACE KIT IK-A1WB (SAPPHI....

Compatible with: Whelen Cencorn Sapphire, Cantrol, Cantrol WC (Includes Internal siren Interface module)

Spare part number: DDN1897A

Description

ADD: INTERFACE KIT IK-C1F (SS2000....

NOTE: Min of 100pcs applies to this specific kit

Compatible with: Federal Signal Smart Siren SS2000, SM, Premium Vision, Vision (Includes external siren Interface module)

Spare part number: DDN1898A

Description

ADD: INTERFACE KIT IK-C1C (RLS)

Compatible with: Codes3 RLS (Includes external siren Interface module)

Spare part number: DDN1899A

Description

ADD: INTERFACE KIT IK-A4WC (MPC01)

Compatible with: Whelen MPC01 (Includes external siren Interface module, also requires firmware upgrade from Whelen Engineering)

Spare part number: DDN1937

Nomenclature	APC	Price
TT05893AA	571	\$45.00

Nomenclature	APC	Price
TT05894AA	571	\$45.00

Nomenclature	APC	Price
TT05923AA	571	\$450.00

Nomenclature	APC	Price
TT05924AA	571	\$295.00

Nomenclature	APC	Price
TT05925AA	571	\$295.00

Nomenclature	APC	Price
TT05926AA	571	\$295.00

Nomenclature	APC	Price
TT05939AA	571	\$375.00

3. Order Programming Cable and Software (OPTIONAL)

Description	Nomenclature	APC	Price
ADD: PROGRAMMING KIT FOR SLIM	TT05889AA	571	\$60.00
Includes Programming Cable and CD (Only one Kit is required per shop)			

4. Order Radio-to-Module Cable EXTENSION (OPTIONAL)

Standard Cable Is 12" long so this 12" extension is available:

PMKN4093A available from the spare parts depot

MOTOROLA SIREN

(This siren can be connected directly to the mobile radio)

Siren and Lights Interface Module not required for this siren.

NOTE: THE NEW SIREN IS COMPATIBLE WITH APX AND XTL REMOTE MOUNT MOBILES WITH "O" SERIES CONTROL HEADS ONLY. THIS SIREN IS NOT COMPATIBLE WITH ANY "W" SERIES CONTROL HEADS

THE SIREN BASE MODEL TT2592, CABLE TT05900 AND THE SIREN MOUNTING HARDWARE TT0507 MUST ALWAYS BE ORDERED (THIS SIREN TT2592 IS ORDERED AS A SEPARATE LINE ITEM THEN THE RADIO MODEL)

DEK OPTIONS ARE AVAILABLE AS OPTIONS TO THE SUBSCRIBER AS SHOWN BELOW

Description	Nomenclature	APC	Price
WHELEN/MOTOROLA SIREN	TT2592	571	\$395.00
SIREN HARDWARE INSTALL KIT	TT05707AA	571	\$20.00
ADD: SIREN TO RADIO CABLE (21-PIN D	TT05900AA	571	\$65.00
SIREN TO DEK CABLE - O3 CONTROL HEAD ONLY	TT05709AA	571	\$78.00

This cable is only required when using the DEK together with an O3 control head

Section D: Aftermarket Accessories

Antenna

7/800

Description	Nomenclature	APC	Price
ANTENNA (762-870 MHZ) 3DB LOW-PROFILE	HAF4013	554	\$43.00
ANTENNA (762-870 MHZ) 3DB ELEVATED FEED	HAF4014	500	\$75.00
ANTENNA (762-870 MHZ) 1/4 WAVE	HAF4016	500	\$23.00
ANTENNA (762-870 MHZ) 3DB GAIN COLLINEAR	HAF4017	500	\$38.00

VHF

Description	Nomenclature	APC	Price
ANTENNA, VHF (136-144MHZ) 1/4 WAVE ROOF TOP	HAD4006	554	\$19.50
High Band Quarter Wave Antenna. Roof Mount, Mini UHF Connector, Frequency Range: 132-174 MHz., Power: 150 Watts Max., Gain: Unity, VSWR: Less than 1.5:1, Impedance 50 Ohms, nominal			
ANTENNA, VHF (144-150.8 MHZ) 1/4 WAVE ROOF TOP	HAD4007	554	\$19.50
High Band Quarter Wave Antenna. Roof Mount, Mini UHF Connector, Frequency Range: 132-174 MHz., Power: 150 Watts Max., Gain: Unity, VSWR: Less than 1.5:1, Impedance 50 Ohms, nominal			
ANTENNA, VHF (150.8-162 MHz) 1/4 WAVE ROOF TOP	HAD4008	554	\$19.50
High Band Quarter Wave Antenna. Roof Mount, Mini UHF Connector, Frequency Range: 132-174 MHz., Power: 150 Watts Max., Gain: Unity, VSWR: Less than 1.5:1, Impedance 50 Ohms, nominal			
ANTENNA, VHF (162-174 MHz) 1/4 WAVE ROOF TOP	HAD4009	554	\$19.50
High Band Quarter Wave Antenna. Roof Mount, Mini UHF Connector, Frequency Range: 132-174 MHz., Power: 150 Watts Max., Gain: Unity, VSWR: Less than 1.5:1, Impedance 50 Ohms, nominal			
ANTENNA VHF 1/4 WAVE	RAD4002ARB	554	\$100.00
ANTENNA VHF 1/4 WAVE	RAD4004ARB	554	\$100.00
ANTENNA VHF 1/4 WAVE	RAD4005ARB	554	\$75.00
ANTENNA 132-174 3DB GAIN	HAD4022A	554	\$65.50
ANT ROOF MT WB VHF 146/174	HAD4017A	500	\$44.00

Adapters

Description	Nomenclature	APC	Price
AUDIO CABLE ADAPTER	HKN6158	500	\$49.00
ADAPTER CABLE DATA	HKN6159	500	\$49.00
KEYLOADING CABLE ADAPTER (GCAI)	HKN6182	514	\$41.50

Used to adapt keyload cable TKN6531 for all APX 7500, APX,6500, APX4500, XTL 5000 and XTL 2500. Not compatible with XTL1500.

Bull Horns for Sirens and Public Address

Description	Nomenclature	APC	Price
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SPEAKER SIREN, ROUND W/CHROME & BLACK
 SPEAKER RECTANGULAR WITH CHROME FINISH
 SPEAKER UNDERHOOD WITH GRAY FINISH
 SPEAKER ROUND WITH GRAY FINISH

TDN6251	706	\$329.00
TDN6252	706	\$265.00
TDN6253	706	\$220.00
TDN6254	706	\$248.00

Control Station Tray and Power Supply

Description
 MOBILE DESK TRAY
 PS 14V 10A 117/240 VAC

Nomenclature	APC	Price
HLN6042	617	\$77.00
HPN4007C	500	\$296.00

Customer Programming Software

CABLE CH, PROGRAMMING,USB
 HKN6184C - Used to program the radio with Customer Programming Software and Tuner Software. Compatible with APX mobile radios.

HKN6184C	518	\$51.00
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Programming and Data Cables
 (Please see [GPS PART NUMBER GUIDE](#) for cable descriptions)

CABLE KIT 20' DATA
 RS232 Data Interface Cable - REMOTE
CABLE CH, PROGRAMMING,USB
 HKN6184C - Used to program the radio with Customer Programming Software and Tuner Software. Compatible with APX mobile radios.
CABLE, DATA, USB, 4.5M, XTL5000

HKN6161	476	\$50.00
HKN6184C	518	\$51.00
HKN6172B	500	\$85.00

DEKVIP

Description
 AUDIO CABLE ADAPTER
 ADAPTER CABLE DATA
 KEYLOADING CABLE ADAPTER (GCAL)
 Used to adapt keyload cable TKN6531 for all APX 7500, APX6500, APX4500, XTL 5000 and XTL 2500. Not compatible with XTL1500.

Nomenclature	APC	Price
HKN6158	500	\$49.00
HKN6159	500	\$49.00
HKN6182	514	\$41.50

Emergency

Description

Nomenclature	APC	Price
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EMERGENCY FOOT SWITCH

HLN5113	604	\$61.75
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Microphones

- XTL5000 KEYPAD MICROPHONE
- AS. SPECTRA & XTL5000 DESKTOP MIC
- HANDSET/HANGUP (HANGUP CUP)
- MODEL III KEYPAD TELEPH HANDSET KIT
- PUSH BUTTON PTT

HMN4079D	500	\$320.00
RMN5070A	706	\$172.00
HLN1457	706	\$285.00
HMN4097A	706	\$295.00
RLN5926A	706	\$39.00

Microphone Extension Cable

- Description**
- CABLE, MOBILE MIC EXTENSION, 10FT
- Not for use with the W20 GCAL Microphone.

Nomenclature	APC	Price
PMKN4033A	706	\$42.00

Power

- Description**
- POWER CABLE, 10 FT. (LOW/MID POWER) 30 & 35 WATT
- POWER CABLE, 20 FOOT TO 12V BATTERY
- VHF & UHF models.
- CABLE, POWER, 100W
- CONTROL HEAD / IGNITION SENSE POWER CABLE

Nomenclature	APC	Price
HKN4191	412	\$18.00
HKN4192	508	\$38.25
HKN6110	585	\$37.00
HKN6188	514	\$20.75

Programming AND Flash

- CABLE CH, PROGRAMMING,USB
- HKN6184C - Used to program the radio with Customer Programming Software and Tuner Software. Compatible with APX mobile radios.

HKN6184C	518	\$51.00
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O5 Remote Mount Cables

- CABLE, REMOTE MOUNT, 5M
- CABLE, REMOTE MOUNT, 15M
- CABLE, REMOTE MOUNT, 75 FT

HKN6169B	518	\$58.00
HKN6167B	518	\$75.00
HKN6166	514	\$80.00

O3 Remote Mount Cables

O3 CAN 17' EXTENSION CABLE PMLN4958A 585 \$94.50
 O3 Remote Mount Cable. Included In O3 Remote Mount G67 Option

O3 Remote Mount Cable

Description
O3 CAN 18' EXTENSION CABLE PMLN4958 APC 500 \$94.50
 Included In O3 Remote Mount G67 Option

DEK

Description
ODYSSEY CH DEK KIT H1831 APC 500 \$35.75
 Includes cable and mounting hardware.
8 STATUS MESSAGE DEK KIT H1838 656 \$475.00

Speakers

Description
EXTERNAL WATER RESISTANT SPEAKER 15 WATTS HSN4040A APC 795 \$76.00
MCS EXT SPKR 13W HSN4032B 500 \$71.50
EXTERNAL 7.5 WATT WATER RESISTANT REMOTE MOUNT SPEAKER HSN4038 476 \$60.50
MCYCLE WP SPEAKER HSN6003B 500 \$63.50

Miscellaneous

Description
WILDCARD HLN1196 APC 412 \$400.00

Manuals

*** Currently, the APX6500 O5 User Guide and the APX6500 O5 Install Manual can be downloaded from [MOL \(Motorola Online\)](#). ***
 **** These documents can be found in Resource Center > Product Information > Manuals > Two-Way Mobile ***

Section E: Control Head Conversion AND Retrofit Allied Sales Models

*****HIGH POWER RADIOS MUST ALWAYS BE REMOTE MOUNT*****

FYI: THE FOLLOWING ALLIED SALES MODELS ARE ORDERABLE VIA COF, MOL, AND R12 ONLY - THESE KITS ARE NOT STOCKED IN THE AFTERMARKET PARTS DIVISION

NOTE: IF YOU WOULD LIKE AN EXTENSION CABLE FOR YOUR 03 CONTROL HEAD TO MAKE YOUR 03 A REMOTE MOUNT, PLEASE ORDER H1849B. (IF ORDERING THIS KIT ALONG WITH ANOTHER ALLIED SALES MODEL, PLEASE ORDER THEM AS SEPARATE LINE ITEMS)

APX RETROFIT ALLIED SALES MODELS

HIGH POWER ONLY

HIGH POWER 03 CONTROL HEAD TO 05 CONTROL HEAD REMOTE MOUNT (REQUIRES MICROPHONE OPTION)

03 TO 05 RM HIPWR W/CH	H1840	656	\$650.00
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HIGH POWER 03 CONTROL HEAD TO 09 CONTROL HEAD REMOTE MOUNT (REQUIRES MICROPHONE OPTION)

03 TO 09 REMOTE MNT HIPWR	H1855	656	\$1,259.00
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HIGH POWER 05 CONTROL HEAD REMOTE MOUNT TO 09 CONTROL HEAD REMOTE MOUNT

05 RM TO 09 RM HIPWR W/CH	H1856	656	\$1,259.00
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HIGH POWER 09 CONTROL HEAD REMOTE MOUNT TO 05 CONTROL HEAD REMOTE MOUNT

09 RM TO 05 RM RETROFIT KIT	H1861	656	\$650.00
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MID POWER ONLY

ADD MP TIB

Description	Nomenclature	APC	Price
ADD: TIB TO APX MOBILE	H1898	656	\$175.00

REMOTE TO DASH

MID POWER 02 DASH TO REMOTE (REQUIRES CABLE OPTION)

Description	Nomenclature	APC	Price
O2 DASH TO 02 REMOTE MOUNT	H1877	656	\$325.00

O2 REMOTE TO DASH

Description	Nomenclature	APC	Price
O2 REMOTE TO 02 DASH MOUNT	H1879	656	\$159.00

MID POWER 07 DASH TO REMOTE (REQUIRES CABLE OPTION)

Description	Nomenclature	APC	Price
O7 DASH TO 07 REMOTE MOUNT	H1878	656	\$325.00

O7 REMOTE TO DASH

Description	Nomenclature	APC	Price
O7 REMOTE TO 07 DASH MOUNT	H1880	656	\$159.00

MID POWER 05 DASH TO REMOTE (REQUIRES CABLE OPTION)

Description	Nomenclature	APC	Price
05 DASH TO 05 REM	H1853	656	\$325.00

O5 REMOTE TO DASH

Description	Nomenclature	APC	Price
O5 RM TO 05 DM MIDPWR NOCH	H1848	656	\$159.00

MID POWER 03 OR 09 CONTROL HEAD TO 05 CONTROL HEAD DASH MOUNT (REQUIRES MICROPHONE OPTION)

Description	Nomenclature	APC	Price
O5 MID POWER DASH CONVERSION KIT	H1819	500	\$650.00

Contains complete O5 dash control head and O5 dash transceiver faceplate. O5 mic available as option. Does not include transceiver trunion. If you have a secure capable unit with HLN6876 (3 DAY KEY RETENTION BOARD) or HLN6877 (30

SEC KEY RETENTION BOARD), you must replace it with either MHLN6918 (3 DAY KEY RETENTION BOARD) or MHLN6918 (30 SEC KEY RETENTION BOARD).

MID POWER 03 CONTROL HEAD TO 05 CONTROL HEAD REMOTE MOUNT (REQUIRES MICROPHONE OPTION)

Description	Nomenclature	APC	Price
03 RM TO 05 RM MP RETROFIT KIT	H1843	656	\$650.00

03 CONTROL HEAD DASH MOUNT TO 03 CONTROL HEAD REMOTE MOUNT

Description	Nomenclature	APC	Price
O3DM TO O3 RM MIDPWR NOCH	H1849	656	\$159.00

MID POWER 03 CONTROL HEAD TO 09 CONTROL HEAD REMOTE MOUNT (REQUIRES MICROPHONE OPTION)

Description	Nomenclature	APC	Price
03 TO 09RM CONTROL HEAD RETROFIT MID/HIPWR	H1858	656	\$1,259.00

MID POWER 02, 05, 07 CONTROL HEAD REMOTE MOUNT TO 03 CONTROL HEAD DASH MOUNT

Description	Nomenclature	APC	Price
O5 REM TO 03 DM MIDPWR W/CH	H1847	656	\$1,086.00

MID POWER 02, 05, 07 DASH MOUNT OR 03 REMOTEDASH TO 09 CONTROL HEAD REMOTE MOUNT (NOTE: THIS KIT CONTAINS THE UNIVERSAL RELAY CONTROLLER AND ALL EQUIPMENT FOR SIREN AND LIGHT CONTROL)

Description	Nomenclature	APC	Price
REMOTE MOUNT ANY CH TO 09 REMOTE MIDPWR W/URC	H1834	656	\$1,585.00

MID POWER 02, 05, 07 CONTROL HEAD REMOTE MOUNT TO 09 CONTROL HEAD REMOTE MOUNT

Description	Nomenclature	APC	Price
O5 RM TO 09 RM HIPWR W/CH	H1856	656	\$1,259.00

MID POWER 02 05, 07 CONTROL HEAD DASH MOUNT TO 09 CONTROL HEAD REMOTE MOUNT

Description	Nomenclature	APC	Price

O5DM TO O9 RM MIDPWR W/CH H1865 656 \$1,259.00

MID POWER O9 CONTROL HEAD REMOTE MOUNT TO O5 CONTROL HEAD REMOTE MOUNT

Description
 09 RM TO O5 RM RETROFIT KIT
 Nomenclature H1861 APC 656 Price \$650.00

MID POWER O9 CONTROL HEAD REMOTE MOUNT TO O3 CONTROL HEAD REMOTE MOUNT

Description
 09 TO O3RM MIDPWR W/CH
 Nomenclature H1862 APC 656 Price \$1,086.00

MID POWER O9 CONTROL HEAD REMOTE MOUNT TO O5 CONTROL HEAD DASH MOUNT

Description
 O9 TO O5DM MIDPWR W/CH
 Nomenclature H1863 APC 656 Price \$650.00

MICROPHONES

Description
 ADD: NO MICROPHONE NEEDED
 G90 APC 500 Price \$0.00

Select this option when ordering W3 Handheld Control Head (G82/G72)
 For Remote Monitor with XTL 5000 with W4/W5/W7/W9 you must order mic option G787.
 For Remote Monitor with XTL 5000 O5 and XTL 2500 you must order mic option W20.

ADD: PALM MICROPHONE
 W22 500 \$72.00

Corresponding kit for W4, W5, W7: HMN1080
 Corresponding kit for W8: HMN1081
 Corresponding kit for O5 and XTL2500: HMN1090

ADD: KEYPAD MIC (GCAI)
 W20 514 \$180.00
 Corresponding kit: HMN4079

SPEAKER (OPTIONAL)

Description
 ADD: SPKR 15W WATER RESISTANT
 G831 APC 656 Price \$60.00
 ADD: NO SPEAKER NEEDED
 G142 APC 656 Price \$0.00
 ADD: AUXILIARY SPKR 7.5 WATT
 B18 APC 656 Price \$60.00
 Corresponding kit: HSN4031.

ADD: AUXILIARY SPKR 13W (3.2OHM)
 W432 656 Price \$71.50

Remote Mount Cables
*****Total cable length may not be greater than 131 ft (40 meters)*****

Description	Nomenclature	APC	Price
DEL: NO REMOTE CABLE NEEDED	GA00179	500	\$0.00
ADD: REMOTE MOUNT CABLE ? 3 METERS (10 FT)	G618	514	\$10.00
Corresponding kit: HKN6170			
ADD: REMOTE MOUNT CABLE 17 FT	G628	514	\$15.00
Corresponding kit: HKN6168			
ADD: REMOTE MOUNT CABLE ? 10 METERS (30 FT)	G610	514	\$25.00
Corresponding kit: HKN6168			
ADD: REMOTE MOUNT CABLE ? 15 METERS (50 FT)	G609	514	\$35.00
Corresponding kit: HKN6167			
ADD: REMOTE MOUNT CABLE ? 23 METERS (75 FT)	G607	514	\$45.00
Corresponding kit: HKN6186A			
ADD: REMOTE MOUNT CABLE ? 35 METERS (115 FT)	G879	514	\$55.00
Corresponding kit: HKN6165			
ADD: REMOTE MOUNT CABLE ? 40 METERS (131 FT)	G582	514	\$65.00

For Dual/Tri/Quad configurations, the total cable length may not be greater than 131 ft (40 meters). Therefore, this cable should not be used with a dual, tri, or quad control radio
 Corresponding kit: HKN6184

Section F: Remote Control Head Replacement AND Multiple Control Head Allied Sales Model

PLEASE READ ALL ALLIED MODEL AND OPTION DESCRIPTIONS BEFORE MAKING YOUR SELECTION

Remote Control Head Replacement AND Multiple Control Head Retrofit Kit

The APX 7500 Remote Control Head Replacement AND Multiple Control Head Retrofit allied sales model provide the following:

- QTY 1: **REMOTE** mount control head assembly that includes a control head + flex cable + control head interface board rear housing (CHIB)
 - Qty 1: Remote Control Head Power cable (HKN6188)

- Qty 1: Remote Control Head Mounting trunion and hardware
 - Qty 1: Manual CD and dust cover kit
- OPTION: Must select a microphone option
- OPTION: Must select a speaker option
- OPTION: Must select a remote cable option

*****IF YOU ARE ADDING A CONTROL HEAD TO CONVERT A SINGLE CONTROL REMOTE MOUNT RADIO TO A DUAL, TRI, OR QUAD CONTROL, THEN YOU MUST MAKE SURE THE RADIO HAD VERSION 6.9 SOFTWARE OR GREATER.**

THE ALLIED SALES MODEL BELOW DOES NOT INCLUDE A FLASH FIRMWARE REFRESH. PLEASE SEE [FLASH UPGRADE PRICE PAGE](#) ***

FIRMWARE VERSION R09.00.00 OR HIGHER IS REQUIRED.

Remote Mount

Description	Nomenclature	APC	Price
05 REMOTE CTRL HD/CHIB REPLACEMENT/ADDITION	H1823	500	\$570.00
Description	Nomenclature	APC	Price
07 CH REMOTE MOUNT RETROFIT KIT	H1870	656	\$772.00
Description	Nomenclature	APC	Price
07 LIGHT SIREN REMOTE MOUNT RETROFIT KIT	H1890	656	\$822.00
Description	Nomenclature	APC	Price
02 CH REMOTE MT RETOFIT KIT	H1888	656	\$632.00
Description	Nomenclature	APC	Price
02 GRN CH REMOTE MT RETOFIT KIT	H1889	656	\$682.00

Microphones
(Must Select One and Only One)

Description	Nomenclature	APC	Price
ADD: NO MICROPHONE NEEDED	G90	500	\$0.00

Select this option when ordering W3 Handheld Control Head (G92/G72)

For Remote Monitor with XTL 5000 with W4/W5/W7/W9 you must order mic option G787.
 For Remote Monitor with XTL 5000 O5 and XTL 2500 you must order mic option W20.

ADD: PALM MICROPHONE			
Corresponding kit for W4, W5, W7: HMN1080			
Corresponding kit for W8: HMN1081			
Corresponding kit for O5 and XTL2500: HMN1090			
ADD: KEYPAD MIC (GCAI)			
Corresponding kit: HMN4079	W20	514	\$180.00

Speakers
(Must Select One and Only One)

Description	Nomenclature	APC	Price
DEL: OMIT SPEAKER	G142	500	\$0.00
ADD: AUXILIARY SPKR SPECTRA 7.5 WATT	B18	500	\$60.00
Corresponding kit: HSN4031.			
ADD: INCREASED AUDIO POWER 13W	W432	500	\$71.50
Corresponding kit: HSN4032.			
NOT COMPATIBLE with W685 Control Station and Motorcycle Configuration.			
ADD: SPKR 7.5W WATER RESISANT	G832	656	\$60.50
Corresponding kit: HSN4038			

Remote Mount Cables
*****For Dual/Tri/Quad configurations, the total cable length may not be greater than 131 ft (40 meters)*****
(Must Select One and Only One)

Description	Nomenclature	APC	Price
DEL: NO REMOTE CABLE NEEDED	GA00179	500	\$0.00
ADD: REMOTE MOUNT CABLE ? 3 METERS (10 FT)	G618	514	\$10.00
Corresponding kit: HKN6170			
ADD: REMOTE MOUNT CABLE 17 FT	G628	514	\$15.00
Corresponding kit: HKN6169			
ADD: REMOTE MOUNT CABLE ? 10 METERS (30 FT)	G610	514	\$25.00
Corresponding kit: HKN6168			
ADD: REMOTE MOUNT CABLE ? 15 METERS (50 FT)	G609	514	\$35.00
Corresponding kit: HKN6167			
ADD: REMOTE MOUNT CABLE ? 23 METERS (75 FT)	G607	514	\$45.00
Corresponding kit: HKN6166A			
ADD: REMOTE MOUNT CABLE ? 35 METERS (115 FT)	G879	514	\$55.00

Corresponding kit: HKN6164

ADD: REMOTE MOUNT CABLE ? 40 METERS (131 FT)

G582

514

\$65.00

For Dual/Tri/Quad configurations, the total cable length may not be greater than 131 ft (40 meters). Therefore, this cable should not be used with a dual, tri, or quad control radio

Corresponding kit: HKN6164

For product questions please contact your Subscriber BDM or Product Planner (MXQV/84)

Data Compiled 01-Dec-2014 using DUP and all prices in USD

Remote Mount Mobile Radio

Radio Model: MOTOROLA APX 4500 – SINGLE CONTROL HEAD

	Included?: Y/N	
Vehicle mounted mobile radio operating in the 700/800MHz frequency band.	Y	
Control head	Y	
Convention Analog Operation	Y	
P25 Conventional Operation	Y	
APCO P25 Phase I trunked radio	Y	
Software Upgradeable to APCO P25 Phase II	Y	
Minimum 32 conventional channels	Y	
Minimum 256 system/talkgroups	Y	
Programmable time-out-timer	Y	
Digital and analog talk-around	Y	
Individual call	Y	
Emergency operation	Y	
Group scan	Y	
PC programmable	Y	
Alphanumeric display	Y	
Back lighting of display with dimmer control	Y	
Encryption, AES multi-key (min. 15 key capacity)	Y	
On/off volume knob	Y (1 KNOB FOR VOLUME/ CH SELECT)	
16 position rotary knob with stops	Y	
Advanced System Key	Y	
Dynamic regrouping capable	Y	
Mil Specs 810C, D, E, F, and G	Y	
Microphone	Y	
External Speaker	Y	
Cable for connection between the transceiver and the control head (30' min.)	Y	
Power cables and mounting hardware	Y	
Mixed Mode Operation (Trunked talk groups and Conventional Channels in the same bank of frequencies)	Y	
		One Time Discounts
	Cost per Radio	All pricing and discount information to be provided at auction event on January 14 th !
	Cost for 50 radios	
	Cost for 100 radios	
	Cost for 150 radios	
	Cost for 200 radios	



BE BETTER EQUIPPED TO BE MISSION READY

APX™ 4500 PROJECT 25 MOBILE RADIO

A downed power line or the city transit system coming to a halt during rush hour, when the unexpected strikes, you must interoperate seamlessly and securely with other agencies and responders – often across multiple Project 25 (P25) systems. You need to instantly connect and be informed to make better decisions and respond effectively. While the advanced technology of APX™ radios expertly equips you for the unexpected, your organization may be challenged to improve operating expenses.

That's where the APX 4500 P25 mobile radio fits the bill perfectly. It delivers all the benefits of TDMA technology in a compact P25 capable mobile. The APX 4500 brings together powerful technology in an easy-to-use radio that's easy on your budget. It seamlessly unifies public works, utility, rural public safety and transportation users to first responders so they can communicate effectively in the moments that matter.

CONVENIENTLY SMALL, EASY TO INSTALL

The APX 4500 is designed to get the job done without getting in the way. A simplified dash mount design makes installation quick and easy, fitting into the existing XTL™ footprint so you

KEEPS CREWS IN TOUCH, AND UP TO THE MINUTE

Safety runs in the APX family and the APX 4500 mobile is no exception. Like all our APX P25 radios trusted by responders worldwide, the APX 4500 mobile redefines safety. Your crews can count on quick, seamless interoperability and extended range – whether they are talking from the top of a pole or the bottom of a trench. You can depend on AES encryption for secure, tamperproof voice and data communications every time they connect.

With integrated GPS in the APX 4500, you can keep an eye on workers and assets you can't see, tracking their locations continuously. The O2 control head with color display is easy to read and operate in all lighting conditions, from bright sunlight to dark streets. The intelligent lighting on the O2 control head notifies your workers when a call is received, an emergency arises, or when they are out of range. Plus, an enlarged multifunction knob makes it easy to use talk-group and volume settings when they're wearing gloves.

Over-the-air programming on the APX 4500 keeps your crews current in the field. You can update the latest mobile without interrupting voice communications while they work.

CITIZEN DIGIT END VALUE BUILT

PRODUCT SPEC SHEET
APX™ 4500 MOBILE RADIO



APX™ 4500 SPECIFICATIONS

FEATURES AND BENEFITS:

Available in 700/800 MHz, VHF, UHFRT, UHFRR2, and 900 MHz.
Supports NPCS band (901-902 MHz and 940-941 MHz)
Channels: Standard 512

Trunking Standards supported:

- Clear or digital encrypted Trunked Operation
 - Capable of SmartZone®, SmartZone Omnilink, SmartNet®
- Analog MDC-1200 and Digital APCO P25
Conventional System Configurations

Narrow and wide bandwidth digital receiver
(6.25kHz/12.5kHz/25kHz/30 kHz)

Embedded digital signaling (ASTRO and ASTRO 25)

Integrated GPS capable

Integrated Encryption Hardware

Intelligent lighting

Radio profiles

Unified Call List

Meets applicable MIL-STD 810C, D, E, F, G

Ships standard IP56

Utilizes Windows XP, Vista and Windows 7
Customer Programming Software (CPS)

- Supports USB Communications
 - Built In FLASHport™ support
- Re-use of most XTI™ accessories, plus new
IMPRES accessories

OPTIONAL FEATURES:

AES Encryption

Programming over Project 25 (PO25)

Text Messaging

12 character RF ID asset tracking

Tactical OTAR

APX 4500 CONTROL HEAD PORTFOLIO



02 RUGGED CONTROL HEAD

- Large color display with intelligent lighting
- 3 lines of text 14 characters max / 1 line of icons / 1 line of menus
- Built in 7.5 watt speaker
- Multifunction volume/channel knob

■ *Black/Blue model shown*

PRODUCT SPEC SHEET
APX™ 4500 MOBILE RADIO

POWER AND BATTERY DRAIN

Model Type	138-174 MHz, 380-470 MHz, 450-520 MHz, 764-870 MHz, 896-941MHz
Minimum RF Power Output	2.30 Watts (764-776 MHz), 2.30 Watts (794-806 MHz), 2.35 Watts (806-824 MHz), 2.35 Watts (851-870 MHz), 1.50 Watts (138-174 MHz), 1.40 Watts (380-470 MHz), 1.45 Watts (450-485 MHz), 1.40 Watts (485-512 MHz), 1.25 Watts (512-520 MHz), 1.30 Watts (896-901MHz), 1.3Watts (901-902MHz), 1.30W (935-940MHz), 1.3Watts (940-941MHz)
Operation	13.8V DC ±20% Negative Ground
Standby at 13.8V	0.85A (764-870 MHz), 0.85A (138-174 MHz), 0.85A (380-470 MHz), 0.85A (450-520 MHz), 0.85A (896-941MHz)
Receive Current at Rated Audio at 13.8V	3.2A (764-870 MHz), 3.2A (138-174 MHz), 3.2A (380-470 MHz), 3.2A (450-520 MHz), 3.2A (896-941MHz)
Transmit Current (A) at Rated Power	138-174 MHz (1.50 Watts) 13A (50W) 8A (15W) 764-870 MHz (2***-35W) 12A (35W) 8A (15W) 380-470 MHz (1.40 Watts) 11A (40W) 8A (15W) 896-901MHz (1.30W) 10A (30W) 7A (15W) 450-520 MHz (1.45 Watts) 11A (45W) 8A (15W) 935-940MHz (1.30W) 10A (30W) 7A (15W) 901-902MHz (1.3W) 9A (3W) 5A (3W) 940-941MHz (1.3W)

MOBILE MILITARY STANDARDS Q, D, E, F, G

	MIL-STD 810C	MIL-STD 810D	MIL-STD 810E	MIL-STD 810F	MIL-STD 810G
	Method	Method	Method	Method	Method
	Proc./Cat.	Proc./Cat.	Proc./Cat.	Proc./Cat.	Proc./Cat.
Low Pressure	500.1	500.2	500.3	500.4	500.5
High Temperature Storage	501.1	501.2	501.3	501.4	501.5
High Temperature Operation	501.1	501.2	501.3	501.4	501.5
Low Temperature Storage	502.1	502.2	502.3	502.4	502.5
Low Temperature Operation	502.1	502.2	502.3	502.4	502.5
Temperature Shock	503.1	503.2	503.3	503.4	503.5
Solar Radiation	505.1	505.2	505.3	505.4	505.5
Rain Blowing	506.1	506.2	506.3	506.4	506.5
Rain Steady	506.1	506.2	506.3	506.4	506.5
Humidity	507.1	507.2	507.3	507.4	507.5
Salt Fog	509.1	509.2	509.3	509.4	509.5
Blowing Dust	510.1	510.2	510.3	510.4	510.5
Blowing Sand	514.2	514.3	514.4	514.5	514.6
Vibration Min. Integrity	514.2	514.3	514.4	514.5	514.6
Vibration Loose Cargo	514.2	514.3	514.4	514.5	514.6
Shock Functional	518.2	518.3	518.4	518.5	518.6

ENCRYPTION

Supported Encryption Algorithms	AES and ADP
Encryption Algorithm Capacity	Single
Encryption Keys per Radio	Mobile capable of storing 1024 keys. Programmable for 64 Common Key Identifier (CKI) or 16 Physical Identifier (PII)
Encryption Frame Re-sync Interval	P25 CA1 300 mSec
Encryption Keying	Key Loader
Synchronization	X1 – Counter Addressing, OF8 – Output Feedback
Vector Generator	National Institute of Standards and Technology (NIST) approved random number generator
Encryption Type	Digital
Key Storage	Temporarily protected volatile or non-volatile memory
Key Erasure	Keyboard command and tamper detection
Standards	FIPS 140-2 Level 3 FIPS 197

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-30°C / +80°C
Storage Temperature	-40°C / +85°C
Humidity	Per MIL-STD
ESD	IEC 801-2 KV
Water and Dust Intrusion	IP56, MIL-STD

TRANSMITTER CERTIFICATION

700/800 (764-775, 793-805, 806-824, 851-869 MHz)	AZ492FT055
VHF (138-174 MHz)	AZ492FT4916
UHF R1 (380-470 MHz)	AZ492FT4915
UHF R2 (450-520 MHz)	AZ492FT4916
900 MHz (896-901, 901-902, 935-940, 940-941 MHz)	AZ492FT5865

FCC EMISSIONS DESIGNATORS

8K10F1D, 8K10F1E, 8K10F1W, 11X0F3E, 18X0F3E, 20X0F1E,

* Measured in the standby mode per TIA/EIA 609 under normal conditions
 ** Accuracy spec is for long-term tracking (50th percentile values ±5 satellites visible at a nominal -130 dBm signal strength)
 *** 2W, Uninterrupt, Unattended.
 † See technical requirements for the non-GNSS/GNSS bands

PRODUCT SPEC SHEET
APX™ 4500 MOBILE RADIO

TRANSMITTER - TYPICAL PERFORMANCE SPECIFICATIONS

	700 MHz	800 MHz	VHF	UHF Range 1	UHF Range 2	900 MHz
Frequency Range/Bandwidth	784-778 MHz 784-808 MHz	808-824 MHz 851-870 MHz	136-174 MHz	380-470 MHz	450-520 MHz	888-902 MHz 935-941 MHz
Channel Spacing	25/12.5 kHz	25/12.5 kHz	30/25/12.5 kHz	25/12.5 kHz	25/12.5 kHz	12.5 kHz
Maximum Frequency Separation	Full Bandwidth	Full Bandwidth	Full Bandwidth	Full Bandwidth	Full Bandwidth	Full Bandwidth
Rated RF Output Power Adj*	2.30 Watts (2.3 Watts linearm)	2.35 Watts	1.50 Watts	1.40 Watts	1.45 Watts (450-485 MHz) 1.40 Watts (485-512 MHz) 1.25 Watts (512-520 MHz)	1.30W 895-901 MHz 935-940 MHz 1.3W 901-907 MHz 900-941 MHz
Frequency Stability†	±0.8 PPM	±0.8 PPM	±0.8 PPM	±0.8 PPM	±0.8 PPM	±0.8 PPM
(-30°C to +80°C; +25°C Ref.)						
Modulation Limiting*	±5 kHz / ±2.5 kHz	±5 kHz / 2.4 kHz (NPSFC) / ±2.5 kHz	±5 kHz / ±2.5 kHz	±5 kHz / ±2.5 kHz	±5 kHz / ±2.5 kHz	±2.5 kHz
Modulation Fidelity (C4FM) 12.5 kHz Digital Channel	1.5%	1.5%	2.5%	1.1%	1.1%	1.5%
Emissions*	Conducted+ Radiated+ -75/-85 dBc -20/-40 dBm	Conducted -75 dBc -20 dBm	Conducted -85 dBc -20 dBm	Conducted -85 dBc -20 dBm	Conducted -85 dBc -20 dBm	Conducted+ Radiated+ -70 dBc -20 dBm
Audio Response*	+1, -3 dB (EIA)	+1, -3 dB (EIA)	+1, -3 dB (EIA)	+1, -3 dB (EIA)	+1, -3 dB (EIA)	+1, -3 dB (EIA)
FM Hum & Noise	25 & 20 kHz -50 dB -48 dB	25 & 20 kHz -50 dB -48 dB	25 & 20 kHz -52 dB -51 dB	25 & 20 kHz -51 dB -48 dB	25 & 20 kHz -51 dB -48 dB	-45 dB
Audio Distortion†	25 & 20 kHz 12.5 kHz	0.50% 0.50%	0.50% 0.50%	0.50% 0.50%	0.50% 0.50%	0.80%

RECEIVER - TYPICAL PERFORMANCE SPECIFICATIONS

	700 MHz	800 MHz	VHF	UHF Range 1	UHF Range 2	900 MHz
Frequency Range/Bandwidth	784-778 MHz	851-870 MHz	136-174 MHz	380-470 MHz	450-520 MHz	935-941 MHz
Channel Spacing	25/12.5 kHz	25/12.5 kHz	30/25/12.5 kHz	25/12.5 kHz	25/12.5 kHz	12.5 kHz
Maximum Frequency Separation	Full Bandwidth	Full Bandwidth	Full Bandwidth	Full Bandwidth	Full Bandwidth	Full Bandwidth
Audio Output Power at 3% distortion†	7.5 W or 15 W ++	7.5 W or 15 W ++	7.5 W or 15 W ++	7.5 W or 15 W ++	7.5 W or 15 W ++	7.5 W or 15 W ++
Frequency Stability†	±0.00008%	±0.00008%	±0.00008%	±0.00008%	±0.00008%	±0.8 PPM
(-30°C to +80°C; +25°C Ref.)						
Analog Sensitivity*	12 dB SINAD	-120 dBm	Pre-Amp -123 dBm Standard -119 dBm	Pre-Amp -123 dBm Standard -119 dBm	Pre-Amp -123 dBm Standard -119 dBm	Standard -120 dBm
Digital Sensitivity	5% BER	-121 dBm	-123 dBm	-123 dBm	-123 dBm	-121 dBm
Intermodulation	25 kHz 12.5 kHz	82 dB 82 dB	82 dB 83 dB	87 dB 86 dB	81 dB 82 dB	86 dB 85 dB
Spurious Rejection	91 dB	91 dB	95 dB	91 dB	91 dB	91 dB
Audio Distortion at 100W*	1.20%	1.20%	1.20%	1.20%	1.20%	2%
Selectivity*	25 kHz 12.5 kHz 30 kHz	85 dB 75 dB	85 dB 75 dB 90 dB	85 dB 75 dB	85 dB 75 dB	74 dB

DIMENSIONS

	Inches	Millimeters
Mid Power Radio Transceiver	2 x 7 x 6.4	50.8 x 178 x 163
O2 Control Head	2.7 x 8.1 x 2.1	69 x 207 x 53
Mid Power Radio Transceiver and O2 Control Head - Dash Mount	2.7 x 8.1 x 8.8	69 x 207 x 223
Mid Power Radio Transceiver and O2 Control Head Weight	5.28 lbs	2.45 kg

RADIO MODELS

	700/800 (784-870 MHz)	900 MHz
M22URSSPW1AN		M22URSSPW1AN
M22KSS9PW1AN	VHF (136-174 MHz)	M22KSS9PW1AN
M22OSS9PW1AN	UHF Range 1 (380-470 MHz)	M22OSS9PW1AN
M22SS9PW1AN	UHF Range 2 (450-520 MHz)	M22SS9PW1AN
M22WRS9PW1AN	900 MHz (895-941 MHz)	M22WRS9PW1AN

SIGNALING (ASTRO MODE)

Signaling Rate	9.6 kbps
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GPS SPECIFICATIONS

Channels	12
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Guideline

****NOTE: APX 4500 digital radios require either a SOFTWARE KEY (QA01749) OR HARDWARE KEY (QA01648) to be ordered to operate/program on a trunking system. IF QA01648- HARDWARE KEY is ORDERED, SUPPLEMENTAL DATA is required to be entered. Please be sure the CORRECT SYSTEM ID is entered. If an incorrect ID is entered, FLASHport will need to be ordered to FIX this error. ****

<http://ecat.comm.mot.com/ecat/pricebooks/dup/ASK.htm>

Online APX4500 Resources:

[APX4500 Wiki Page](#)

APX4500 is not approved for use on motorcycle configurations.

Please be sure to use the most current version of Motorola APX Customer Programming Software (CPS) when programming new radios

******Please note that NEW version of Customer Programming Software (CPS) (Part #RVN5224) is required for initial customer orders for APX radios. ******

****** APX CPS version CPS R12.00.00 and greater ordered after June 2014 will only support Windows 7 and 8. ******

Section A: Required Main Model and Options

For standard Radio Operation (including Motorcycle) Steps 1 - 10 **must be** selected.

PLEASE READ ALL OPTION DESCRIPTIONS BEFORE MAKING YOUR SELECTION

1: Main Model (Must Select One)

*****Low/Mid Power*****

Description	Nomenclature	APC	Price
APX4500 7/800	M22URRS9PW1 N	471	\$1,099.00
APX4500 VHF	M22KSS9PW1 N	471	\$1,099.00
APX4500 UHF R1	M22QSS9PW1 N	471	\$1,099.00
APX4500 UHF R2	M22SSS9PW1 N	471	\$1,099.00
APX4500 900MHZ	M22WRS9PW1 N	471	\$1,099.00

2: Software Packages (Must Select One)

Description	Nomenclature	APC	Price
ADD: 3600 OR 9600 TRUNKING BAUD SINGLE SYSTEM	QA02756	471	\$1,570.00

Software Package INCLUDES: Digital 3600 or 9600 Baud (CPS Configurable), SmartZone, and OmniLink. When ordering

Trunking mode, you must select a QA01749 software key, QA01648 hardware key or a QA02018 WACN Key.

ADD: SOFTWARE ANALOG 3600 BAUD	QA43	471	\$1,100.00
Software Package INCLUDES: 3600 Baud, SmartZone, and Omnilink.			
ADD: SOFTWARE P25 CONVENTIONAL	QB11	471	\$650.00
ADD: ANALOG CONVENTIONAL	QA02829	471	\$400.00

3: Advanced System Key Options (Must Select One if Trunking is ordered)

Description

ADD: ADVANCED SYSTEM KEY - HARDWARE KEY

A SOFTWARE or ADVANCED SYSTEM KEY or WACN KEY is REQUIRED to be purchased with any APX Radio operating in trunking. A SUPPLEMENTAL ID is REQUIRED to be entered when this option is ordered. Please be sure the CORRECT SYSTEM ID is entered. If an incorrect ID is entered, FLASHport will need to be ordered to FIX this error. ADVANCED SYSTEM KEY or WACN KEY will still REQUIRE a DVN4046 to be purchased.

SW KEY SUPPLEMENTAL DATA

A SOFTWARE or ADVANCED SYSTEM KEY or WACN KEY is REQUIRED to be purchased with any APX Radio operating in trunking.

ADD: ADVANCED WACN KEY SUPP DATA

A SOFTWARE or ADVANCED SYSTEM KEY or WACN KEY is REQUIRED to be purchased with any APX Radio operating in trunking. A SUPPLEMENTAL ID is REQUIRED to be entered when this option is ordered. Please be sure the CORRECT SYSTEM ID is entered. If an incorrect ID is entered, FLASHport will need to be ordered to FIX this error. ADVANCED SYSTEM KEY or WACN KEY will still REQUIRE a DVN4046 to be purchased.

3b: Optional System Enhancement Software (Not Required)

Description	Nomenclature	APC	Price
ADD: TDMA OPERATION	GA00580	471	\$400.00
Requires QA02756 software package			

3c: Optional Data Link Manager CD (Not Required)

Description	Nomenclature	APC	Price
ADD: DATA LINK MANAGER	QA00205	471	\$0.00
Option provides the NVN5424 Data CD. Please order this option if you would like the Data CD, and are unable to obtain it through other sources such as MOL.			

4: Control Head Hardware

Q2 Control Head Hardware

Description
 ADD: APX O2 CONTROL HEAD (Grey)

Nomenclature	APC	Price
GA00804	656	\$492.00

O2 Control Head Colored Housing Trigger

FOR THE IMPACT GREEN HOUSING YOU MUST STILL ORDER GA00804 ALONG WITH G201

Description
 ADD:IMPACT GREEN COLOR HOUSING (O2)

Nomenclature	APC	Price
G201	656	\$25.00

When ordered in conjunction with GA00804 you will get a green colored O2 housing.

5: Control Head Software

Description
 ADD: APX CONTROL HEAD SOFTWARE

Nomenclature	APC	Price
G444	656	\$0.00

6: Mounting (Must Select One for Mid Power Models)

If a remote mount cable other than 5 meters (177f) is desired for G67, please reference the "Remote Mount Cables" section below in Section C: Optional Features

Description
 ADD: DASH MOUNT

Nomenclature	APC	Price
G66	500	\$125.00

Required for Control Station Operation. O3 Dash mount is identical to remote mount minus the 177 extension cable
 PMLN4958A

ADD: REMOTE MOUNT O2 WMM

Nomenclature	APC	Price
G67	656	\$297.00

7: RF Antenna

No Antenna Needed is Valid For All Bands

Description
 ADD: NO RF ANTENNA NEEDED

Nomenclature	APC	Price
G89	656	\$0.00

7/800

Description
 ADD: ANT 3DB LOW-PROFILE 762-870

Nomenclature	APC	Price
G174	471	\$43.00

Motorcycle Approved
 Corresponding Kit: HAF4013
 Corresponding Motorcycle Kit: HAF4018

ADD: ANT 3DB ELEVATED FEED 762-870					
Not Compatible with Motorcycle					
Corresponding Kit: HAF4014.					
ADD: ANT 1/4 WAVE 762-870MHZ					
Motorcycle Approved					
Corresponding Motorcycle Kit: HAF4015					
Corresponding Kit: HAF4016					
ALT: ANT 3DB GAIN 762-870MHZ					
Not Compatible with Motorcycle:					
Corresponding Kit: HAF4017.					

VHF

Description	Nomenclature	APC	Price
ADD: 3BD ANT 136-174MHZ	G301	471	\$38.50
ADD: 1/4 WAVE WHIP ROOF TOP 136-144	G296	471	\$13.50
Corresponding Kit: HAD4008			
ADD: 1/4 WAVE ROOF TOP 144-150.8	G297	471	\$13.50
Corresponding Kit: HAD4007			
ADD: 1/4 WAVE ROOF TOP 150.8-162	G299	656	\$19.50
Corresponding Kit: HAD4008			
Corresponding Motorcycle Kit: RAD4004ARB			
ADD: 1/4 WAVE ROOF TOP ANT VHF	G300	471	\$13.50
Corresponding Kit: HAD4009			
ADD: 1/4 WAVE BROADBAND ANT 146-174	G629	471	\$64.00
Corresponding Kit: HAD4017.			
ADD: VHF ANT WIDEBAND 136-174 MHZ	G792	471	\$75.00
Corresponding Kit: HAD4021.			
ALT: 1/4 WV BDBD ANT 136-162 MHZ	W652	471	\$47.75

UHF R1

Description	Nomenclature	APC	Price
ADD: ANT 3.5DB 380-420 MHZ MAXRAD	G427	656	\$55.00
Not Compatible with Motorcycle			
Corresponding Kit: HAE8010.			
ADD: ANT 5.0DB 380-420 MHZ MAXRAD	G429	656	\$62.00
Not Compatible with Motorcycle			
Corresponding Kit: HAE8011.			
ADD: ANT 5.0DB 445-470 MHZ	G430	656	\$110.00
Not Compatible with Motorcycle			

Corresponding kit: RAE4014ARB.
 ADD: ANT 1/4 WAVE WHIP 380-420 MHZ

G425 656 \$25.00

Not Compatible with Motorcycle
 Corresponding kit: HAE6012.
 **DESIGN MODIFICATIONS ARE BEING MADE TO THIS ANTENNA. THE NEW DESIGN INCLUDES TITANIUM
 BLACK PLATING, TEARDROP TOP, AND GOLD BUTTON PLATING.**

ADD: ANT 1/4 WAVE WHIP 450-470 MHZ

G426 656 \$25.00

Not Compatible with Motorcycle
 TEMPORARY: Not compatible with U2-7/800 Bandsplit.
 Corresponding kit: HAE4003.

ADD: ANT 3.5DB 450-470 MHZ

G428 656 \$50.00

Not Compatible with Motorcycle
 Corresponding kit: HAE4011.
 ADD: ANT WIDEBAND 380-470 MHZ MAXRA

G431 656 \$58.00

Not Compatible with Motorcycle
 Corresponding kit: HAE6013.
 ADD: ANT 2DB WIDEBAND 380-520 MHZ
 TEMPORARY: Not compatible with U2-7/800 Bandsplit.
 Corresponding kit: HAE8031_

GA00505 656 \$50.00

UHF R2

Description

ADD: ANT 5.0DB 445-470 MHZ

G430 656 \$110.00

Not Compatible with Motorcycle
 Corresponding kit: RAE4014ARB.
 ADD: ANT 1/4 WAVE WHIP 450-470 MHZ

G426 656 \$25.00

Not Compatible with Motorcycle
 TEMPORARY: Not compatible with U2-7/800 Bandsplit.
 Corresponding kit: HAE4003.

ADD: ANT 3.5DB 450-470 MHZ

G428 656 \$50.00

Not Compatible with Motorcycle
 Corresponding kit: HAE4011.
 ADD: 5DB GAIN ANT 494-512 MHZ

G486 656 \$58.00

Not Compatible with Motorcycle
 Corresponding kit: RAE4016ARB.
 ADD: ANT 1/4 WAVE 470-512 MHZ

G490 656 \$14.00

Not Compatible with Motorcycle
 Corresponding kit: HAE4004.
 ADD: ANT 3 DB ROOF TOP 470-495 MHZ

G493 656 \$33.00

Not Compatible with Motorcycle
 Corresponding kit: HAE4012.
 ADD: ANT 3 DB ROOF TOP 494-512 MHZ
 Not Compatible with Motorcycle

G494 656 \$33.00

Corresponding kit: HAE4013.
ADD: ANT LOW PROFILE 450-512 MHZ
 Not Compatible with Motorcycle
 Corresponding kit: HAE8016
ADD: 2DB ANT WIDEBAND 450-520 MHZ
 TEMPORARY: Not compatible with U2-7/800 Bandsplit; Corresponding kit: HAE8015
 Corresponding Motorcycle Kit: HAE8015
ADD: ANT 2DB WIDEBAND 380-520 MHZ
 TEMPORARY: Not compatible with U2-7/800 Bandsplit.
 Corresponding kit: HAE6031_
ADD: ANT ROOF TOP 5 DB 470-494 MHZ
 Not Compatible with Motorcycle.
 Corresponding kit: RAE4015ARM.

900MHz

Description	Nomenclature	APC	Price
ADD: 900MHZ ANT 3DB LRT 14'	B925	722	\$43.00
ADD: 900MHZ ANT 3DB LRT 22'	B926	623	\$75.00

8: Microphones (Must Select One)

Description	Nomenclature	APC	Price
ADD: NO MICROPHONE NEEDED	G90	656	\$0.00
Select this option when ordering O3 Handheld Control Head (G72)			
ADD: PALM MICROPHONE	W22	656	\$72.00
Corresponding kit: HMN1080			
ADD: KEYPAD MIC GCAI	W20	656	\$180.00
Corresponding kit: HMN4078			
ADD: CONTROL STATION DESK GCAI MIC	W382	656	\$169.00
Dash Mount Required			
Corresponding Kit: RMN5070			
ADD: HANDSET/HANGUP COILED CABLE	G876	656	\$415.00
Coiled Cable, No Toggle Switch			
Accessory Kit: HKN1017			
ADD: VISOR MIC REMOTE MOUNT	W872	656	\$30.00
Requires G235 Footswitch PTT.			
Kit Number: RMN5054_			
ADD: MODEL III GCAI KEYPAD HANDSET	GA00221	656	\$295.00
Corresponding kit: HMN4087A			

ADD: GOOSENECK PTT				
Requires W872 Visor Mic. Kit Number: HMN1087A				
ADD: HANDSET/HANGUP MIC ARMORED CABLE				
Armored Cable, No Toggle Switch Accessory Kit: HKN1018				
ADD: PTT FOOTSWITCH				
Requires W872 Visor Mic. Kit Number: GLN7278_				
ADD: PUSHBUTTON PTT				
	G233	656		\$56.00
	W874	656		\$300.00
	G235	656		\$51.00
	GA00304	656		\$56.00

9: Speakers (Must Select One)

O2 Control Head Includes a built in speaker. G142 should always be selected unless additional external speaker is required

G142 NO SPEAKER Required for Control Station

Description	Nomenclature	APC	Price
ADD: SPKR 15W WATER RESISTANT	G831	656	\$60.00
ADD: NO SPEAKER NEEDED	G142	656	\$0.00
ADD: AUXILARY SPKR 7.5 WATT	B18	656	\$60.00
Corresponding Kit: HSN4031.			
ADD: AUXILARY SPKR 13W (3.2OHM)	W432	656	\$71.50

10: Service Options (Must Select One)

Description	Nomenclature	APC	Price
ENH: 1 YR SFS LITE	G400	185	\$64.00
ENH: 2 YR SFS LITE	G24	185	\$121.00
ENH: 3 YR SFS LITE	G398AU	185	\$152.00
ENH: 4 YR SFS LITE	GA00318	185	\$197.00

Provides 4 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery services. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.

ENH: SFS COMPREHENSIVE	GA00249AC	185	\$221.00
ENH: CANADA 3 YR SFS LITE	GA00314	386	\$200.00
ENH: CANADA 5 YR SFS LITE	GA00317	386	\$274.00
DEL:NO SFS-STD WARRANTY/APPLIES	GA05100	185	\$0.00

Provides no extended repair coverage after the standard warranty period expires

Section B: Control Station Requirements

CONTROL STATION OPERATION

(Dash Mount Only)

- I. First, you must review your selection of the following options from "Section 1: Required Options".
 - Step 1 (Note: Main Mode)
 - Step 2 (Note: All listed options are compliant)
 - Step 3 (Note: All listed options are compliant)
 - Step 4 (Note: O2 Control Head is compatible with Control Station Application- Must only select one).
 - Step 5 (Note: Must Select G444. The O2 Control Head Software is compatible with Control Station Application).
 - Step 6 (Note: Must Select G66. Control Station operation is only offered in Dash mount configuration).
 - Step 7 (Note: All listed options are compliant)
 - Step 8 (Note: Some Microphones are NOT compatible. Please read option description).
 - Step 9 (Note: Must Select G142 - No Speaker Needed)
- II. You Must Select W665. G91 is needed for control station operation, but is an optional purchase.

SPECIFIC CONTROL STATION OPTIONS

Control Station Operation and Power Supply

Description	Nomenclature	APC	Price
ADD: CONTROL STATION POWER SUPPLY	G91	656	\$269.00
ADD: BASE STATION APEXWMM	W665	656	\$70.00

III. Features listed in "Section C: Optional Features" are optional, if applicable. Please read the option's description to determine compatibility.

ASTRO Text Messaging Service

ASTRO Text Messaging Service is available on the ASTRO 25 APX 4500 mobile radio. Text Messaging Service (TMS) allows subscriber users to send and receive text messages to other subscribers or dispatch operators. Users can select messages and addresses from a predefined list or enter freetext messages and addresses via the keypad. Text Messaging Service is available on ASTRO P25 IV&D Systems and Subscribers.

For full Text Messaging functionality, including freetext text messaging and addressing, must order an O2 Control Head with Keypad Microphone. O2 without the Keypad Microphone supports Limited Text Messaging functionality such as selecting predefined messages or addresses from a list programmed in the radio.

Ordering requirements for APX 4500 Mobile:

- Requires O2 Control Head (GA00804)
- Full functionality including free form messaging requires the Keypad Microphone (W20) for O2 Control Head
 - QA02756 or Q811 must be ordered
 - Packet Data Interface (W947)

NOTE: There is no specific option to order for the Text Messaging Service on the subscribers as the functionality is included in the Packet Data option.

Section C: Optional Features

The following options are optional and will provide additional capabilities, if required.

Note: On January 1, 2015, the list price on the following features: GPS (GA00229), IVD (W947) & TDMA (GA00580) will increase by \$50.

System Enhancement Options

Description	Nomenclature	APC	Price
ADD: MULLICAST VOTING SCAN	G387	656	\$200.00
This feature allows for voting of the Conventional Channels ONLY.			
ENH: OVER THE AIR PROVISIONING	G996	656	\$100.00
Compatible with P25 Trunking OR ASTRO Conventional only. There is NO Analog Functionality for this feature. Requires W947 Data option. To do in field POP26 programming must use Advanced System Key (DVND4046A). Single unit POP25 with batch programming for trunking configuration coming in future.			
ADD: ASTRO 25 INTEGRATED VOICE & DATA	W947	656	\$200.00
ENH: APX GPS ACTIVATION	GA00229	656	\$100.00
Requires IV&D Activation.			
ENH: TRUNKED RADIO TRACE/ REMOTE MO	G170	471	\$75.00
Trunked Radio Trace and Remote Monitor			

ADD: One Touch/Status Msg			
ADD: APX MOBILE RADIO AUTHENTICAT			
Requires P25 Trunking (G361)			
ADD: ENHANCED DATA			
Smartzone (H38/G51), Digital (G806/G806), V&D (Q947/M947)and P25 Trunking (Q361/G361) are required when ordering the Enhanced Data option			
ADD: SITE SELECTABLE ALERT FOR P25 TRUNKING			
ENH: ENHANCEMENT LEVEL 1			
	GA00982	656	\$150.00
	GA01770	471	\$200.00

[Enhancement Level Reference Guide](#)

GPS Antennas

Selection is required when ordering GA00229, GPS Activation

Description	Nomenclature	APC	Price
ADD: NO GPS ANTENNA NEEDED	GA00235	656	\$0.00
ADD: GPS ANTENNA	GA00226	656	\$75.00
Corresponding kit: HA-G4000			
ADD: GPS ANTENNA GLASS MT	GA00270	656	\$75.00
Corresponding kit: PMANA001			

[GPS Outdoor Location Solution Overview](#)

Encryption Algorithms

All APX4500 Mobile Radios ship standard with Single Key Advanced Digital Privacy (ADP). Multiple algorithms are NOT supported on APX4500.
 ADP Privacy is not FIPS compliant - ADP Privacy not supported by OTAR - ADP is digital P25 conventional / P25 trunking only

Description	Nomenclature	APC	Price
ADD: MULTIPLE KEY ENCRYPTION OPERATION	W969	656	\$330.00
REQUIRED when using more than one encryption algorithm or encryption key.			
ADD: AES ENCRYPTION APX	G843	656	\$475.00
Requires P25 operation.			

Remote Mount Cables

(All cables are for 02 control head only)

(The 6 meter (17 FT) Cable Ships Standard)

Description	Nomenclature	APC	Price
ADD:CBL REMOTE MOUNT 10 FEET	G618	656	\$10.00
Corresponding kit: HKN8170			
ADD: REMOTE MOUNT CBL 30 FEET	G610	656	\$25.00
Corresponding kit: HKN8168			
ADD: REMOTE MOUNT CBL 50 FEET	G609	656	\$35.00
Corresponding kit: HKN8167			
ADD:CBL REMOTE MOUNT 75 FEET	G607	656	\$45.00
Corresponding kit: HKN8166A			
ADD:REMOTE MOUNT CBL 115 FEET	G879	656	\$55.00
Corresponding kit: HKN8165			
ADD: REMOTE MOUNT CABLE 131 FT	G582	656	\$65.00

For Dual/Tri/Quad configurations, the total cable length may not be greater than 131 ft (40 meters). Therefore, this cable should not be used with a dual, tri, or quad control radio.
Corresponding kit: HKN8164

MOTOROLA SIREN

NOTE: THE SIREN IS COMPATIBLE WITH REMOTE MOUNT APX AND XTL MOBILES WITH "O" SERIES CONTROL HEADS ONLY. THIS SIREN IS NOT COMPATIBLE WITH ANY "W" SERIES CONTROL HEADS

THE SIREN BASE MODEL TT2592, ONE CABLE AND THE SIREN MOUNTING HARDWARE TT050Z MUST ALWAYS BE ORDERED (THIS SIREN IS ORDERED AS A SEPARATE LINE ITEM, TT2592 IS THE MODEL)

DEK OPTIONS ARE AVAILABLE AS OPTIONS TO THE SUBSCRIBER AS SHOWN BELOW

Description	Nomenclature	APC	Price
WHELEN/MOTOROLA SIREN	TT2592	571	\$395.00
SIREN HARDWARE INSTALL KIT	TT05707AA	571	\$20.00
ADD: SIREN TO RADIO CABLE (21-PIN D	TT05900AA	571	\$65.00
SIREN TO DEK CABLE - O3 CONTROL HEAD ONLY	TT05709AA	571	\$78.00

This cable is only required when using the DEK together with an O3 control head

DEK

Description	Nomenclature	APC	Price
ADD: DEK FOR WHELEN SIREN	GA00814	656	\$105.00

Corresponding Kit: H1838A.

ADD: STATUS/MESSAGE 8

NOT compatible with O3 or Motorcycle Control Heads. Not compatible with Dash Mount configuration. Requires Remote Mount configuration.

CORRESPONDING KIT: H1838A

ADD: STATUS/MESSAGE 16

NOT compatible with O3 or Motorcycle Control Heads. Not compatible with Dash Mount configuration. Requires Remote Mount configuration.

CORRESPONDING KIT: H1839A

Direct Mode Entry

Description

ADD: 8 MODE DIRECT ENTRY

NOT compatible with O3 or Motorcycle Control Heads. Not compatible with Dash Mount configuration. Requires Remote Mount configuration.

CORRESPONDING KIT: H1835A

ADD: 16 MODE DIRECT ENTRY

NOT compatible with O3 or Motorcycle Control Heads. Not compatible with Dash Mount configuration. Requires Remote Mount configuration.

CORRESPONDING KIT: H1836A

ADD: 24 MODE DIRECT ENTRY

NOT compatible with O3 or Motorcycle Control Heads or W289 Siren/PA or other DEK or Direct Mode Entry Selections. Not compatible with Dash Mount configuration. Requires Remote Mount configuration.

CORRESPONDING KIT: H1837A

Auxiliary WILDCARD

Description

ADD: AUXILIARY SWITCH PANEL

Corresponding Kit: HLN1198.
Remote Mount Required. NOT compatible with O3 control head or motorcycle.

Data Cables

Description	Nomenclature	APC	Price
ADD: RS232 DATA INTFC CBL DASH	G303	656	\$50.00

Auxiliary WILDCARD		APC	Price
Description	Nomenclature		
ADD: 8 MODE DIRECT ENTRY	W599	656	\$180.00
ADD: 16 MODE DIRECT ENTRY	W614	656	\$360.00
ADD: 24 MODE DIRECT ENTRY	W615	656	\$540.00
ADD: AUXILIARY SWITCH PANEL	W591	656	\$165.00

8 FT RS232 DATA CABLE Corresponding kit: HKN6160A.				
ADD: RS232 DATA INTFC CBL TRK				
20 FT RS232 DATA CABLE Corresponding kit: HKN6161A.				
ADD: USB DATA INTFC CABLE-DASH				
8 FT USB W/IGNITION SENSE Corresponding kit: HKN6163B. Can be used to program APX Mobile Radios.				
ADD:USB DATA INTFC CABLE-TRK				
16.5 FT USB W/IGNITION SENSE Corresponding kit: HKN6172B. Can be used to program APX Mobile Radios.				

RF Modem

Description				
ENH: ENABLE RF MODEM				
The APX mobiles do not support Site Lens or System Watch. Therefore, the APX RF Modem function does not support the legacy System Watch or Site Lens applications. The APX RF Modem supports Conventional or 9600 Trunking only. Enabling the RF Modem in conventional mode allows provisioned APX portables to pass accountability data through the portable option Q445.				

Emergency

Description				
ADD: SCHOOL SERCURITY ENHANCEMENT PACKAGE				
Education O2 Emergency Push Button				

RF ID Tag

Description				
ADD: RFID LABEL				

Service Options

Description				
ENH: 1 YR SFS LITE				
ENH: 2 YR SFS LITE				
ENH: 3 YR SFS LITE				
ENH: 4 YR SFS LITE				

Nomenclature	APC	Price
G400	185	\$64.00
G24	185	\$121.00
G398AU	185	\$152.00
GA00318	185	\$197.00

Nomenclature	APC	Price
GA01056	656	\$50.00

Nomenclature	APC	Price
GA00268	656	\$15.00

Provides 4 years of extended hardware repair coverage beginning after the standard warranty period expires. Repairs will be made only at the designated Motorola repair depot. Local services are not included. Motorola will pay the inbound shipping charges only with use of the Motorola designated delivery services. Motorola will pay for outbound shipping via Motorola's normal shipping methods. No discounts are allowed on this option.

ENH: SFS COMPREHENSIVE	GA00249AC	185	\$221.00
ENH: CANADA 3 YR SFS LITE	GA00314	386	\$200.00
ENH: CANADA 5 YR SFS LITE	GA00317	386	\$274.00

Amplifier

(*UHF and VHF Only*)

Description	Nomenclature	APC	Price
ADD: RF PREAMP	W12	656	\$66.00

Option applies only to VHF & UHF radios.

Test Results

Description	Nomenclature	APC	Price
ADD: PRINTED TEST RESULTS APEX	G799	656	\$10.00

Section D: Aftermarket Accessories

Antenna

7/800

Description	Nomenclature	APC	Price
ANTENNA (762-870 MHZ) 3DB LOW-PROFILE	HAF4013	554	\$43.00
ANTENNA (762-870 MHZ) 3DB ELEVATED FEED	HAF4014	500	\$75.00
ANTENNA (762-870 MHZ) 1/4 WAVE	HAF4016	500	\$23.00
ANTENNA (762-870 MHZ) 3DB GAIN COLLINEAR	HAF4017	500	\$38.00

VHF

Description	Nomenclature	APC	Price
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ANTENNA, VHF (136-144MHZ) 1/4 WAVE ROOF TOP	HAD4006	554	\$19.50
High Band Quarter Wave Antenna. Roof Mount, Mini UHF Connector, Frequency Range: 132-174 MHz., Power: 150 Watts Max., Gain: Unity, VSWR: Less than 1.5:1, Impedance 50 Ohms, nominal			
ANTENNA, VHF (144-150.8 MHz) 1/4 WAVE ROOF TOP	HAD4007	554	\$19.50
High Band Quarter Wave Antenna. Roof Mount, Mini UHF Connector, Frequency Range: 132-174 MHz., Power: 150 Watts Max., Gain: Unity, VSWR: Less than 1.5:1, Impedance 50 Ohms, nominal			
ANTENNA, VHF (150.8-162 MHz) 1/4 WAVE ROOF TOP	HAD4008	554	\$19.50
High Band Quarter Wave Antenna. Roof Mount, Mini UHF Connector, Frequency Range: 132-174 MHz., Power: 150 Watts Max., Gain: Unity, VSWR: Less than 1.5:1, Impedance 50 Ohms, nominal			
ANTENNA, VHF (162-174 MHz) 1/4 WAVE ROOF TOP	HAD4009	554	\$19.50
High Band Quarter Wave Antenna. Roof Mount, Mini UHF Connector, Frequency Range: 132-174 MHz., Power: 150 Watts Max., Gain: Unity, VSWR: Less than 1.5:1, Impedance 50 Ohms, nominal			
ANTENNA VHF 1/4 WAVE	RAD4002ARB	554	\$100.00
ANTENNA VHF 1/4 WAVE	RAD4004ARB	554	\$100.00
ANTENNA VHF 1/4 WAVE	RAD4005ARB	554	\$75.00
ANTENNA 132-174 3DB GAIN	HAD4022A	554	\$65.50
ANT ROOF MT WB VHF 146/174	HAD4017A	500	\$44.00

Adapters

Description	Nomenclature	APC	Price
AUDIO CABLE ADAPTER	HKN6158	500	\$49.00
ADAPTER CABLE DATA	HKN6159	500	\$49.00
KEYLOADING CABLE ADAPTER (GCAI)	HKN6182	514	\$41.50
Used to adapt keypad cable TKN8531 for all APX 7500, APX,8500, APX4500, XTL 5000 and XTL 2500. Not compatible with XTL 1500.			

Control Station Tray and Power Supply

Description	Nomenclature	APC	Price
MOBILE DESK TRAY	HLN6042	617	\$77.00
PS 14V 10A 117/240 VAC	HPN4007C	500	\$296.00

Programming and Data Cables
(Please see [CPS PART NUMBER GUIDE](#) for cable descriptions)

Description	Nomenclature	APC	Price
CABLE CH, PROGRAMMING,USB	HKN6184C	518	\$51.00
HKN6184C - Used to program the radio with Customer Programming Software and Tuner Software. Compatible with APX mobile radios.			

CABLE, DATA, USB, 4.5M, XTL5000

DEKVIP

HKN6172B 500 \$85.00

Description

AUDIO CABLE ADAPTER
ADAPTER CABLE DATA
KEYLOADING CABLE ADAPTER (GCAI)

Used to adapt keyload cable TKN6531 for all APX 7500, APX,6500, APX4500, XTL 5000 and XTL 2500. Not compatible with XTL1500.

Nomenclature **APC** **Price**

HKN6158 500 \$49.00

HKN6159 500 \$49.00

HKN6182 514 \$41.50

Emergency

Description
EMERGENCY FOOT SWITCH

Nomenclature **APC** **Price**
HLN5113 604 \$61.75

Microphones

Description
XTL5000 KEYPAD MICROPHONE
AS. SPECTRA & XTL5000 DESKTOP MIC
HANDSET/HANGUP (HANGUP CUP)
MODEL III KEYPAD TELEPH HANDSET KIT
PUSH BUTTON PTT

Nomenclature **APC** **Price**
HMN4079D 500 \$320.00
RMN5070A 706 \$172.00
HLN1457 706 \$285.00
HMN4097A 706 \$295.00
RLN5926A 706 \$39.00

Microphone Extension Cable

Description
CABLE, MOBILE MIC EXTENSION, 10FT

Not for use with the W20 GCAI Microphone.

Nomenclature **APC** **Price**
PMKN4033A 706 \$42.00

Power

Description
POWER CABLE, 10 FT. (LOW/MID POWER) 30 & 35 WATT
POWER CABLE, 20 FOOT TO 12V BATTERY
VHF & UHF models.

Nomenclature **APC** **Price**
HKN4191 412 \$18.00
HKN4192 508 \$38.25

CONTROL HEAD / IGNITION SENSE POWER CABLE

Speakers

Description	Nomenclature	APC	Price
EXTERNAL WATER RESISTANT SPEAKER 15 WATTS	HSN4040A	795	\$76.00
MCS EXT SPKR 13W	HSN4032B	500	\$71.50
EXTERNAL 7.5 WATT WATER RESISTANT REMOTE MOUNT SPEAKER	HSN4038	476	\$60.50

Manuals

*** Currently, the APX4500 O2 User Guide and the APX4500 O2 Install Manual can be downloaded from [MOL \(Motorola Online\)](#). ***
 *** These documents can be found in Resource Center > Product Information > Manuals > Two-Way Mobile ***

Section E: Control Head Conversion AND Retrofit Allied Sales Models

PLEASE READ ALL ALLIED MODEL AND OPTION DESCRIPTIONS BEFORE MAKING YOUR SELECTION

FYI: THE FOLLOWING ALLIED SALES MODELS ARE ORDERABLE VIA COF, MOL, AND R12 ONLY - THESE KITS ARE NOT STOCKED IN THE AFTERMARKET PARTS DIVISION

NOTE: IF YOU WOULD LIKE AN EXTENSION CABLE FOR YOUR O3 CONTROL HEAD TO MAKE YOUR O3 A REMOTE MOUNT, PLEASE ORDER H1849B. (IF ORDERING THIS KIT ALONG WITH ANOTHER ALLIED SALES MODEL, PLEASE ORDER THEM AS SEPARATE LINE ITEMS)

Control Head Conversion Allied Sales Models

APX RETROFIT ALLIED SALES MODELS

MID POWER

02 Dash Control Head Kit (Grey)

Description	Nomenclature	APC	Price
02 CH DASH (GREY) RETROFIT	H1872	656	\$750.00

MID POWER O2 CONTROL HEAD DASH MOUNT TO O2 CONTROL HEAD REMOTE MOUNT

Description	Nomenclature	APC	Price
O2 DASH TO O2 REMOTE MOUNT	H1877	656	\$325.00

MID POWER O2 CONTROL HEAD REMOTE MOUNT TO O2 CONTROL HEAD DASH MOUNT

Description	Nomenclature	APC	Price
O2 REMOTE TO O2 DASH MOUNT	H1879	656	\$159.00

Microphones

Description	Nomenclature	APC	Price
ADD: NO MICROPHONE NEEDED	G90	500	\$0.00

Select this option when ordering W3 Handheld Control Head (G92/G72)
For Remote Monitor with XTL 5000 with W4/W5/W7/W9 you must order mic option G787.
For Remote Monitor with XTL 5000 O5 and XTL 2500 you must order mic option W20.

ADD: PALM MICROPHONE	W22	500	\$72.00
Corresponding kit for W4, W5, W7: HMN1080 Corresponding kit for W9: HMN1081 Corresponding kit for O5 and XTL2500: HMN1080			
ADD: KEYPAD MIC (GCAI)	W20	514	\$180.00
Corresponding kit: HMN4079			

9: Speakers (OPTIONAL)

Description	Nomenclature	APC	Price
ADD: SPKR 15W WATER RESISTANT	G831	656	\$60.00
ADD: NO SPEAKER NEEDED	G142	656	\$0.00
ADD: AUXILIARY SPKR 7.5 WATT	B18	656	\$60.00
Corresponding kit: HSN4031.			
ADD: AUXILIARY SPKR 13W (3.2OHM)	W432	656	\$71.50

Section G: Remote Control Head Replacement

PLEASE READ ALL ALLIED MODEL AND OPTION DESCRIPTIONS BEFORE MAKING YOUR SELECTION

Remote Control Head Replacement

The APX 4500 Remote Control Head Replacement model provide the following:

- QTY 1: **REMOTE** mount control head assembly that includes a control head + flex cable + control head interface board rear housing (CHIB)
 - Qty 1: Remote Control Head Power cable (HKN6188)
 - Qty 1: Remote Control Head Mounting trunion and hardware
 - Qty 1: Manual CD and dust cover kit
 - OPTION: Must select a microphone option
 - OPTION: Must select a speaker option
 - OPTION: Must select a remote cable option

THE ALLIED SALES MODEL BELOW DOES NOT INCLUDE A FLASH FIRMWARE REFRESH. PLEASE SEE [FLASH UPGRADE PRICE PAGE](#) *
 FIRMWARE VERSION R09.00.00 OR HIGHER IS REQUIRED.**

TBD

Microphones
(Must Select One and Only One)

Description	Nomenclature	APC	Price
ADD: NO MICROPHONE NEEDED	G90	500	\$0.00
Select this option when ordering W3 Handheld Control Head (G92/G72) For Remote Monitor with XTL 5000 with W4/W5/W7/W9 you must order mic option G787. For Remote Monitor with XTL 5000 O5 and XTL 2500 you must order mic option W20.			
ADD: PALM MICROPHONE	W22	500	\$72.00
Corresponding kit for W4, W5, W7: HMN1080 Corresponding kit for W9: HMN1081 Corresponding kit for O5 and XTL2500: HMN1090			
ADD: KEYPAD MIC (GCAI)	W20	514	\$180.00
Corresponding Kit: HMN4079			

Speakers
(Must Select One and Only One)

Description	Nomenclature	APC	Price
DEL: OMIT SPEAKER	G142	500	\$0.00
ADD: AUXILIARY SPKR SPECTRA 7.5 WATT	B18	500	\$60.00
Corresponding kit: HSN4031.			
ADD: INCREASED AUDIO POWER 13W	W432	500	\$71.50
Corresponding kit: HSN4032.			
NOT COMPATIBLE with W685 Control Station and Motorcycle Configuration.			
ADD: SPKR 7.5W WATER RESISANT	G832	656	\$60.50
Corresponding kit: HSN4038			

Remote Mount Cables
(Must Select One and Only One)

Description	Nomenclature	APC	Price
DEL: NO REMOTE CABLE NEEDED	GA00179	500	\$0.00
ADD: REMOTE MOUNT CABLE ? 3 METERS (10 FT)	G618	514	\$10.00
Corresponding kit: HKN6170			
ADD: REMOTE MOUNT CABLE 17 FT	G628	514	\$15.00
Corresponding kit: HKN6169			
ADD: REMOTE MOUNT CABLE ? 10 METERS (30 FT)	G610	514	\$25.00
Corresponding kit: HKN6188			
ADD: REMOTE MOUNT CABLE ? 15 METERS (50 FT)	G609	514	\$35.00
Corresponding kit: HKN6167			
ADD: REMOTE MOUNT CABLE ? 23 METERS (75 FT)	G607	514	\$45.00
Corresponding kit: HKN6166A			
ADD: REMOTE MOUNT CABLE ? 35 METERS (115 FT)	G879	514	\$55.00
Corresponding kit: HKN6165			
ADD: REMOTE MOUNT CABLE ? 40 METERS (131 FT)	G582	514	\$65.00

For Dual/Tri/Quad configurations, the total cable length may not be greater than 131 ft (40 meters). Therefore, this cable should not be used with a dual, tri, or quad control radio

Corresponding kit: HKN6164

LFUCG Radio Purchase Information Sheet

Front Mount Mobile Radio

Radio Model: MOTOROLA APX 4500 – DASHMOUNT

	Included?: Y/N	
Vehicle mounted mobile radio operating in the 700/800MHz frequency band.	Y	
Control head	Y	
Convention Analog Operation	Y	
P25 Conventional Operation	Y	
APCO P25 Phase I trunked radio	Y	
Software Upgradeable to APCO P25 Phase II	Y	
Minimum 32 conventional channels	Y	
Minimum 256 system/talkgroups	Y	
Programmable time-out-timer	Y	
Digital and analog talk-around	Y	
Individual call	Y	
Emergency operation	Y	
Group scan	Y	
PC programmable	Y	
Alphanumeric display	Y	
Back lighting of display with dimmer control	Y	
Encryption, AES multi-key (min. 15 key capacity)	Y	
On/off volume knob	Y (1 KNOB FOR VOLUME/CH SELECT)	
16 position rotary knob with stops	Y	
Advanced System Key	Y	
Dynamic regrouping capable	Y	
Mil Specs 810C, D, E , F, and G	Y	
Microphone	Y	
External Speaker	Y	
Power cables and mounting hardware	Y	
Mixed Mode Operation (Trunked talk groups and Conventional Channels in the same bank of frequencies)	Y	
		One Time Discounts
Cost per Radio		All pricing and discount information to be provided at auction event on January 14th!
Cost for 50 radios		
Cost for 100 radios		
Cost for 150 radios		
Cost for 200 radios		