

**WHATCOM COUNTY
PUBLIC WORKS DEPARTMENT**



EQUIPMENT SERVICES DIVISION

901 W. Smith Road
Bellingham, WA 98226-9610

Phone (360) 778-6400

Fax (360) 778-6401

Garrett Reynolds, Superintendent

MEMORANDUM

To: The Honorable Satpal Singh Sidhu, County Executive; and
The Honorable Members of the Whatcom County Council

Through: Brad Bennett, AS Finance Manager

From: Elizabeth Kosa, Public Works Director *Doug Ranney* (Acting)
Brett Piepel, Public Works Equipment Services Assistant Superintendent

Prepared By: Kyle DeVries, Purchasing / Stores Lead

Date: April 11, 2024

Re: Approval to Purchase Radios for Fleet Vehicles

Requested Action

The Public Works Equipment Services Division requests County Council and County Executive approval to purchase Kenwood VHF, UHF, and 800 MHZ radios and related parts as needed from the Washington State Contract #00318 (Public Safety Communication Products, Services & Solutions) through 12/31/2024. The current state contract term is for the period of 07/01/2021 through 12/31/2026.

The state contract is awarded to multiple manufacturers, including JVC Kenwood. Purchases will be made through a local authorized dealer for JVC Kenwood, Communications NW. Expenditures for 2024 will not exceed \$200,000.00.

Background and Purpose

The Sheriff's Office and Public Works Maintenance and Operations Division use these radios for their day to day operations in both in vehicle application and portable radios. The current radios used in vehicles are obsolete and are not in serviceable condition to be installed in new vehicles. Whatcom County Equipment Services will be upfitting up to 30 new vehicles for the Sheriff's Office (estimated cost per vehicle is \$5,822.97), and up to 10 new vehicles for the Maintenance and Operations Division in 2024 (estimated cost per vehicle is \$800.06). Once installed, Communications NW will program the radios. This cost is included in the estimated amounts.

Funding Amount and Source

These are regularly budgeted expenditures and funds exist in the current budget.

Contact

Please contact Kyle DeVries at 6408 if you have any questions or concerns.

Recommendation

In accordance with WCC 3.08.030, I concur with this recommendation:



Sara Winger, Senior Purchasing Coordinator

04/12/2024

Date

Approved as recommended:

County Executive

Date of Council Action



Communications Northwest
 624 McLoughlin Blvd.
 Oregon City OR 97045
 United States

www.commnw.com

Public Works M&O Vehicles

Quote

Quote #QU10371

Date: 2/23/2024

This Quote Expires On: 5/1/2024

Bill To	Ship To
WHATCOM COUNTY PUBLIC WORKS 901 W Smith Rd Bellingham WA 98226-9610 United States	WHATCOM COUNTY PUBLIC WORKS 901 W Smith Rd Bellingham WA 98226-9610 United States

Sales Rep	Terms	PO Number
Steve Watson	Net 30	

Item	Description	Quantity	Price	Total
Notes	Radios for M & O equipment			
NX-3720HGK	VHF (136-174MHz), 50 Watts, 512 CH, 128 Zones	1	\$831.20	\$831.20 ✓sw
Discount - NASPO	NASPO - 00318		-30%	(\$249.36)
AVWB-SM-39-68	ANT WIDEBAND/SPRING 139-168MHz	1	\$76.07	\$76.07
SAB-181	NMO LOW FREQUENCY ADAPTOR ASSY	1	\$11.16	\$11.16
MNMOM-5F	MNMO BASE 5.25m(17') COAX FME(f)	1	\$23.71	\$23.71
CA-PLP-FP	PL259(m)-FME(m) ADAPTOR	1	\$7.57	\$7.57
313 - INITIAL RADIO PROGRAMMING	CUSTOMER FILE: Y / N NEW CODE PLUG NEEDED: Y / N FILE USED: DATE PROGRAMMED: PROGRAMMERS INITIALS:	1	\$35.00	\$35.00

Sales Tax(%) \$63.25

~~Total \$798.60~~

<https://www.commnw.com/wp-content/uploads/2021/11/Terms-and-Conditions.pdf>

Subtotal 735.35
 Sales tax (8.8%) 64.71
 Total Each 800.06

Purchasing notes:

- Pricing for ✓sw marked items have been confirmed against the WSC/NASPO Jan2024 Pricelist
- Sales tax increased effective 04/01/2024; corrected amount is \$800.06/PW M&O vehicle



Communications Northwest
 624 McLoughlin Blvd.
 Bellingham WA 97045
 United States

www.commnw.com

WCSO Vehicles

Quote

Quote #QU10356

Date: 2/22/2024

This Quote Expires On: 5/1/2024

Bill To	Ship To
WHATCOM COUNTY PUBLIC WORKS 901 W Smith Rd Bellingham WA 98226-9610 United States	WHATCOM COUNTY PUBLIC WORKS 901 W Smith Rd Bellingham WA 98226-9610 United States

Sales Rep	Terms	PO Number
Steve Watson	Net 30	

Item	Description	Quantity	Price	Total	
Notes	1 basic vehicle setup W/O 800				
NX-5700BK	NX-5700K (50W, 136-174 MHz) RF Deck Only	1	\$877.00	\$877.00	✓ SW
KWD-5100CV	License Key for P25 Conventional	1	\$621.00	\$621.00	✓ SW
NX-5800BK2	NX-5800K2 (45W, 380-470 MHz) RF Deck Only	1	\$877.00	\$877.00	✓ SW
KWD-5100CV	License Key for P25 Conventional	1	\$621.00	\$621.00	✓ SW
5AFMM-MR	KMC-65M, KCH-20RM, KRK-15BM(x2), KCT-71M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KES-5A (x2), KAP-2(x2)	1	\$1,407.60	\$1,407.60	✓ SW
KES-8K	External speaker, 10W, 4-Ohm, 3.5mm phone plug. ** Sub out the KES-5A IN THE KITS FOR THE KES-8. CUSTOMER INSTALLS 2 PER VEHICLE	2	\$59.30	\$118.60	✓ SW
Subtotal				\$4,522.20	
Discount - NASPO	NASPO - 00318		-30%	(\$1,356.66)	
L-5032	Factory Assembly & Factory Packing for Single Head / Dual Deck / Ext. Speakers	1	\$150.00	\$150.00	✓ SW
313 - INITIAL RADIO PROGRAMMING	CUSTOMER FILE: Y / N NEW CODE PLUG NEEDED: Y / N FILE USED: DATE PROGRAMMED: PROGRAMMERS INITIALS:	2	\$35.00	\$70.00	
Shipping	Shipping and Handling	1	\$100.00	\$100.00	



Communications Northwest
624 McLoughlin Blvd.
Oregon City OR 97045
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WCSO Vehicles

Quote

Quote #QU10356

Date: 2/22/2024

This Quote Expires On: 5/1/2024

~~Sales Tax(%) \$299.76~~

~~Total \$3,785.30~~

<https://www.commnw.com/wp-content/uploads/2021/11/Terms-and-Conditions.pdf>

Subtotal	3485.54
Sales tax (8.8%)	306.73
Total Each	3792.27

Purchasing notes:

- Pricing for ✓sw marked items have been confirmed against the WSC/NASPO Jan2024 Pricelist
- Sales tax increased effective 04/01/2024; corrected amount is \$3792.27/vehicle
- Estimate total cost of radios for WCSO vehicles includes Quotes #QU10356 and #QU10391 - a combined total of \$5822.97/vehicle.



Communications Northwest
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 Oregon City OR 97045
 United States

www.commnw.com

WCSO Vehicles

Quote

Quote #QU10391

Date: 2/28/2024

This Quote Expires On: 5/1/2024

Bill To	Ship To
WHATCOM COUNTY PUBLIC WORKS 901 W Smith Rd Bellingham WA 98226-9610 United States	WHATCOM COUNTY PUBLIC WORKS 901 W Smith Rd Bellingham WA 98226-9610 United States

Sales Rep	Terms	PO Number
Steve Watson	Net 30	

Item	Description	Quantity	Price	Total	
Notes	The following items are needed to add a 3rd RF deck to an existing dual deck system for current Whatcom County vehicles. Parts only, no install or programming included in this quote				
NX-5900BK	NX-5900K (35W, 700/800 MHz) RF Deck Only	1	\$1,205.20	\$1,205.20	✓ SW
KRK-15BM	Control Head Remote Kit Note: For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	1	\$60.80	\$60.80	✓ SW
KCT-71M4	Remote Control Cable (1.6 feet)	1	\$54.70	\$54.70	✓ SW
KCT-23M3	DC Cable, 35-50W, 23 feet Note: For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	1	\$65.70	\$65.70	✓ SW
KMB-33M	Mounting Bracket Note: For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	1	\$17.20	\$17.20	✓ SW
KAP-2	Horn Alert/P.A. Relay Option Note: For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	1	\$76.70	\$76.70	✓ SW
KES-8K	External speaker, 10W, 4-Ohm, 3.5mm phone plug	1	\$59.30	\$59.30	✓ SW
Subtotal				\$1,539.60	
Discount - NASPO	NASPO - 00318		-30%	(\$461.88)	
Notes	Antenna system additional parts				
TPX-VH-UHF-BA-TNC	VHF/UHF/7/800MHz Triplexer (replaces diplexer in vehicle)	1	\$708.75	\$708.75	
CA-TP-FP	TNC(M)-FME(M) ADAPTOR	4	\$3.48	\$13.92	



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Quote #QU10391

Date: 2/28/2024

This Quote Expires On: 5/1/2024

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Item	Description	Quantity	Price	Total
CA-NP-FP	N(m) - FME(m) ADAPTOR	1	\$14.08	\$14.08
C23F-1F	FME(ftd) FME(ftd) 1m CS23 CABLE - Interface Cable for radios to diplexer	1	\$16.98	\$16.98
313 - INITIAL RADIO PROGRAMMING	CUSTOMER FILE: Y / N NEW CODE PLUG NEEDED: Y / N FILE USED: DATE PROGRAMMED: PROGRAMMERS INITIALS:	1	\$35.00	\$35.00

Sales Tax(%)	\$160.53
Total	\$2,026.98

<https://www.commnw.com/wp-content/uploads/2021/11/Terms-and-Conditions.pdf>

Subtotal	1866.45
Sales tax (8.8%)	164.25
Total Each	2030.70

Purchasing notes:

- Pricing for ✓sw marked items have been confirmed against the WSC/NASPO Jan2024 Pricelist
- Sales tax increased effective 04/01/2024; corrected amount is \$2030.70/vehicle
- Estimate total cost of radios for WCSO vehicles includes Quotes #QU10356 and #QU10391 - a combined total of \$5822.97/vehicle.



NX-5700/5800/5900

Table of Contents

VHF/UHF/700/800MHz Digital & FM Analog Mobile Radios

STANDARD



NX-5000(K-version*) Mobiles include:

- Basic Control Head (KCH-19M)
- Standard Microphone (KMC-65M)
- Mounting Bracket (KMB-33M)
- DC Cable
- Blade Fuse
- User Guide
- Premium Warranty: 3 Years

All Accessories / options: 1 Year

*BK version comes with a RF deck only
 † Multi Digital Protocol can be used for two(2) of the three(3) Digital Protocols set by programming software. P25/DMR Digital Protocols are options.

2. Requires **L-5023** DB25 Cable between Decks.

GENERAL FEATURES

- 50 W (136-174 MHz) Models
- 45 W (380-470, 450-520 MHz) Models
- 35 W (700/800 MHz) Models
- 1024 CH-GID / 128 Zones
- Full Color 2.55" (154 x 422 pixels) TFT Display
- Multi-line Text Display
- Function/Status Icons
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- Transmit/Busy/Call Alert/Warn LED
- Emergency/AUX Key
- 4W Speaker Audio
- DB-25 Accessory Connector
- Multi Digital Protocol ¹
- Emergency Call Features
- Built-in GPS Receiver
- Built-in Bluetooth® Module
- Built-in 56-bit DES Encryption (4 keys programmable by KPG-D1(N)K)
- Mobile Relay Station² (DMR Mode³)
- Cross Band Repeater (Only)
- Active Noise Reduction (ANR)
- KPG-D1N Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP54/55

DIGITAL – P25 MODE

- P25 Conventional Option
- P25 Phase 1 Trunking Option
- P25 Phase 2 Trunking Option
- Conv/Trunking OTAR Option
- Conventional Voting Scan Option
- Packet Data Option for P25 OTAR & GPS
- Text Data
- Radio Authentication
- Tone Paging

DIGITAL – NXDN® MODE

- NXDN® Conventional
- NXDN® TYPE-C (Gen1/Gen2) Trunking (except 700MHz)
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming (requires KPG-180AP OTAP Manager Software)
- Paging Call
- Emergency Call
- All Group Call
- Digital Two-Tone
- Status Messaging
- Remote Stun/Kill/Check
- Short & Long Data Messages
- GPS Location
- NXDN® Scrambler

DIGITAL – DMR MODE

- DMR Tier 2 Conventional Option
- DMR Tier 3 Trunking Option
- DMR Auto Slot Select (DASS)
- AMBE+2™ VOCODER
- 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Call Interrupt (Direct & Repeater Mode)
- Paging Call
- Emergency Call
- All Group Call
- Late Entry
- Status Messaging
- Remote Control by Subscriber Units
- ARC4 Encryption Optional
- Site Roaming

ANALOG MODE

- Conventional Zones
- LTR® Zones
- FleetSync®/II: PTT ID ANI, Caller ID Display, Selective/Group Call, Emergency Status, Text Messages
- MDC-1200: PTT ID ANI, Caller ID Display, Emergency, Radio Check & Inhibit
- QT / DQT
- Two-Tone (Conventional Zones Only)
- DTMF
- Built-in Voice Inversion Scrambler

Multi-Deck Compatible Models & Modes

Models	Bands	Power	Operable Modes
NX-5600H	Lowband VHF (39-50)	110 Watts	Analog/NXDN
NX-5700	VHF (136-174)	50 Watts	Analog/NXDN/DMR/P25
NX-5700H	VHF (136-174)	110 Watts	Analog/NXDN/P25
NX-5800H	UHF (380-470, 450-520)	100 Watts	Analog/NXDN/P25
NX-5800	UHF (380-470, 450-520)	50 Watts	Analog/NXDN/DMR/P25
NX-5900	7/800	35 Watts	Analog/NXDN/DMR/P25

OPTIONAL FEATURES & CONFIGURATIONS

GENERAL FEATURES

- 4000 Channel (KWD-5000CH)
- Front Panel Programming (KWD-5001FP)
- microSD/microSDHC Memory Card Slot (KWD-5002SD)
- Built-in Bluetooth® Module for Data (KWD-5003BT)
- Remote Control by Subscriber Units (KWD-5007RC)
- 256-bit AES Encryption (KWD-AE30K/31K Encryption Module required)

DIGITAL – P25 MODE

- Conventional Features (KWD-5100CV)
- Phase 1 Trunking Features (KWD-5100CV & 5101TR)
- Phase 2 Trunking Features (KWD-5100CV & 5101TR & 5102TR)
- Conventional OTAR (KWD-5103RK)
- Trunking OTAR (KWD-5103RK & 5106DT)
- Conventional Voting Scan (KWD-5105VT)
- Packet Data required for Trunked OTAR/GPS (KWD-5106DT)
- P25 ARC4 Encryption (KWD-5107EE)
- Link Layer Authentication (KWD-5100CV & KWD-5101TR & KWD-AE3x Encryption Board Required)

DIGITAL – DMR MODE


- DMR Tier 2 Conventional Features (KWD-5300CV)
- DMR Tier 3 Trunking Features (KWD-5300CV & KWD-5301TR)

MOUNTING & REMOTE CONFIGURATIONS

(See NX-5000 Accessory page for details)

- KCH-20R Featured Control Head
- KCH-21R Handheld Control Head
- Single Remote Control Head (KRK Kit & KCT-71 or KCT-77 Cable required)
- Dual Remote Control Heads (KCH-19/20R/21R & KRK Kit & KCT-71 or KCT-77 Cables required)
- Multiple RF Decks (KRK Kit & KCT-71 or KCT-77 Control Cable + KWD-5004MR License Key Activation required*)



		Table of Contents	
<h1>NX-5700/5800/5900</h1> <h2>VHF/UHF/700/800MHz Digital & FM Analog Mobile Radios</h2>			
RADIO		<i>LIST</i>	<i>NASPO DISCOUNT 30%</i>
RF Deck Only		<i>LIST</i>	<i>NASPO DISCOUNT 30%</i>
<i>MUST purchase necessary accessories separately</i>			
NX-5700BK	VHF (50W, 136-174 MHz) <u>RF Deck Only</u>	877.00	613.90
NX-5800BK2	UHF (45W, 380-470 MHz) <u>RF Deck Only</u>	877.00	613.90
NX-5900BK	35W, 700/800 MHz <u>RF Deck Only</u>	1205.20	843.64
SOFTWARE LICENSING & RADIO FEATURE OPTIONS			
General Radio Features		<i>LIST</i>	<i>NASPO DISCOUNT 30%</i>
P25 Radio Features		<i>LIST</i>	<i>NASPO DISCOUNT 30%</i>
KWD-5100CV	License Key for P25 Conventional	621.00	434.70
DMR Features		<i>LIST</i>	
Other Accessories, Software, and Services			

	<h1 style="margin: 0;">NX-5000 Series Mobile Accessories</h1>	<p>Table of Contents</p>
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MICROPHONES AND SPEAKERS	LIST	NASPO DISCOUNT 30%
KES-8K External speaker, 10W, 4-Ohm, 3.5mm phone plug	59.30	41.51
DC POWER CABLES	LIST	NASPO DISCOUNT 30%
KCT-23M3 DC Cable, 35-50W, 23 feet <small>Note: For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.</small>	65.70	45.99
MOUNTING BRACKETS	LIST	NASPO DISCOUNT 30%
KMB-33M Mounting Bracket <small>Note: For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.</small>	17.20	12.04
CONTROL HEADS	LIST	NASPO DISCOUNT 30%
CONTROL HEAD REMOTE KIT (for Mid Power Mobiles)	LIST	NASPO DISCOUNT 30%
KRK-15BM Control Head Remote Kit <small>Note: For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.</small>	60.80	42.56
REMOTE & MULTI RF DECK CABLES	LIST	NASPO DISCOUNT 30%
KCT-71M4 Remote Control Cable (1.6 feet)	54.70	38.29
OTHER ACCESSORIES	LIST	NASPO DISCOUNT 30%
KAP-2 Horn Alert/P.A. Relay Option <small>Note: For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.</small>	76.70	53.69
RADIO FEATURE LICENSE OPTIONS	LIST	NASPO DISCOUNT 30%
ENCRYPTION MODULES	LIST	NASPO DISCOUNT 30%
REMOTE & MULTI-RF DECK CONFIGURATIONS	LIST	NASPO DISCOUNT 30%
CONVENIENT REMOTE & MULTI-RF DECK ACCESSORY KITS	LIST	NASPO DISCOUNT 30%
MID POWER / Remote Kit - Single Head / Single RF Deck		
MID POWER / Remote Kit - Dual Head / Single RF Deck		
MID POWER / Remote Kit - Single Head / Dual RF Deck		
MID POWER / Remote Kit - Single Head / Dual RF Deck, External Speakers per deck		
5AFMM-MR KMC-65M, KCH-20RM, KRK-15BM(x2), KCT-71M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KES-5A(x2), KAP-2(x2)	1407.60	985.32



	<h2 style="margin: 0;">NX-5000 Series Mobile Accessories</h2>	Table of Contents
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<i>MID POWER / Remote Kit - Dual Head / Dual RF Deck</i>	<i>LIST</i>	<i>NASPO DISCOUNT 30%</i>
<i>MID POWER / Remote Kit - Dual Head / Dual RF Deck, External Speakers per deck</i>	<i>LIST</i>	<i>NASPO DISCOUNT 30%</i>
<i>HIGH POWER / Single Head Remote Mount Kit</i>	<i>LIST</i>	<i>NASPO DISCOUNT 30%</i>
<i>HIGH POWER / Single Remote Mount / Dual High Power RF Deck</i>	<i>LIST</i>	<i>NASPO DISCOUNT 30%</i>
<i>HIGH POWER / Single Deck Dual Head Remote Mount</i>	<i>LIST</i>	<i>NASPO DISCOUNT 30%</i>
REMOTE & MULTI-RF DECK ASSEMBLY LABORS		
L-5032	Factory Assembly & Factory Packing for Single Head / Dual Deck / Ext. Speakers	150.00
INSTALLATION / TUNING SERVICES	<i>LIST</i>	<i>NASPO DISCOUNT 30%</i>
SOFTWARE LICENSING & RADIO FEATURE OPTIONS		
SERVICE RELATED ACCESSORIES	<i>LIST</i>	<i>NASPO DISCOUNT 30%</i>
FleetSync® & NEXEDGE® AVL & MESSAGING	<i>LIST</i>	<i>NASPO DISCOUNT 30%</i>



NX-3720HG/3820HG

VHF/UHF Digital & FM Analog Mobile Radios

Table of Contents



All NX-3000 Series Mobiles include:

- Standard Microphone (KMC-65M)
- Mounting Bracket
- DC Cable
- Blade Fuse
- User Guide
- Premium Warranty: 3 Years

All Accessories / options: 1 Year

Because of spurious signal (birdie), the following frequencies (and ±7.5kHz ranges) are not allowed ;

- 139.2000 • 403.2000 • 460.8000
- 144.0000 • 408.0000 • 465.6000
- 148.8000 • 412.8000 • 470.4000
- 153.6000 • 417.6000 • 475.2000
- 158.4000 • 422.4000 • 480.0000
- 163.2000 • 427.2000 • 484.8000
- 166.4000 • 432.0000 • 489.6000
- 168.0000 • 436.8000 • 494.4000
- 172.8000 • 441.6000 • 499.2000
- 446.4000 • 504.0000
- 451.2000 • 508.8000
- 456.0000 • 513.6000
- 518.4000

1. Designed to operate digital, DMR OR NXDN, along with analog FM; a single digital protocol selected with programming software.

STANDARD

GENERAL FEATURES

- 50 W (136-174 MHz) Models
- 45 W (400-470, 450-520 MHz) Models
- 512 CH / 128 Zones
- 4-Line Basic Frame (2-Line Main/Sub-LCD, icon & key guide) / 14 characters
- 4-Line Text Message Frame (2 Lines of Text, icon & key guide)
- Function/Status LCD Icons
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- 7-color LED Indicator
- Transmit/Busy/Call Alert/Warn LED
- Emergency/AUX Key
- 4W Speaker Audio
- DB-15 Accessory Connector
- Dual Digital Protocol ¹
- Emergency Call Features
- Built-in GPS Receiver
- Built-in Bluetooth® Module
- Active Noise Reduction (ANR)
- KPG-D3N Windows® FPU
- Flash Firmware Upgrading
- Optional Software-based DES and AES Encryptions (Digital Only)
- MIL-STD-810 C/D/E/F/G
- IP-54 Water & Dust Intrusion
- Digital Encode/Decode Format

ANALOG MODE

- Conventional Zones
- LTR® Zones
- FleetSync®/II: PTT ID ANI, Caller ID Display, Selective/Group Call, Emergency Status, Text Messages
- MDC-1200: PTT ID ANI, Caller ID Display, Emergency, Radio Check & Inhibit
- QT / DQT
- Two-Tone (Conventional Zones Only)
- DTMF
- Built-in Voice Inversion Scrambler

DIGITAL – NXDN® MODE

- NXDN® Conventional
- NXDN® TYPE-C (Gen1/Gen2) Trunking Option
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming (requires KPG-180AP OTAP Manager Software)
- Paging Call
- Emergency Call
- All Group Call
- Digital Two-Tone
- Status Messaging
- Remote Stun/Kill/Check
- Short & Long Data Messages
- GPS Location
- NXDN® Scrambler

DIGITAL – DMR MODE

- DMR Tier 2 Conventional
- DMR Tier 3 Trunking Option
- DMR Auto Slot Select (DASS)
- AMBE+2™ VOCODER
- 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Site Roaming
- Call Interrupt (Direct & Repeater Mode)
- Paging Call
- Emergency Call
- All Group Call
- Late Entry
- Status Messaging
- Remote Control by Subscriber Units
- ARC4 Encryption Option

OPTIONAL FEATURES

- 1000 Channel (**KWD-3000CH**)
- Front Panel Programming (**KWD-3001FP**)
- Built-in Bluetooth® Module for Data (**KWD-3002BT**)
- Digital NXDN Trunking (**KWD-3501TR**)
- DMR Tier 2 Conventional (**Factory Installed**)
- DMR Tier 3 Trunking (**KWD-3302TR**)
- DMR ARC4 Enhanced Encryption (**KWD-3502EE**)
- AES/DES Encryption (**KWD-3503AE**)
- Remote Control by Subscriber Units (**KWD-3504RC**)

RADIO		NASPO LIST	DISCOUNT
NX-3720HGK	VHF (136-174MHz), 50 Watts, 512 CH, 128 Zones	831.20	581.84 30%
RADIO TRUNKING PACKAGE		NASPO LIST	DISCOUNT 30%
SOFTWARE LICENSING & RADIO FEATURE OPTIONS		NASPO LIST	DISCOUNT 30%
Radio Features		NASPO LIST	DISCOUNT 30%
CONTROL HEAD REMOTE KIT		NASPO LIST	DISCOUNT 30%



NX-3720HG/3820HG

VHF/UHF Digital & FM Analog Mobile Radios

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REMOTE CONTROL CABLES	LIST	NASPO DISCOUNT 30%
MOBILE INSTALLATION ACCESSORIES	LIST	NASPO DISCOUNT 30%
CONTROL STATION INSTALLATION ACCESSORIES	LIST	NASPO DISCOUNT 30%
MICROPHONES AND SPEAKERS	LIST	NASPO DISCOUNT 30%
SERVICE RELATED ACCESSORIES	LIST	NASPO DISCOUNT 30%
INSTALLATION / TUNING CHARGES	LIST	
INSTALLATION / TUNING CHARGES, CON'T		