

To: John Abbott

Fax Number: 304-558-3970

Number of Pages: 23

Date: October 14, 2009

# A facsimile from

# LAUTTAMUS

COMMUNICATIONS

Paul Lauttamus

Phone: 304-723-7415 Fax: 304-723-7451

Email: paullauttamus@lauttamus.com

Website: www.lauttamus.com

Regarding: Bid

Comments: Attached are the documents for the following bid:

Buyer:

John Abbott

RFQ No.:

**DJS010281** 

Bid Opening Date: 10/14/2009

Bid Opening Time: 1:30 pm

THE SEASON DIVISION



# GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

- 1. Awards will be made in the best interest of the State of West Virginia.
- 2. The State may accept or reject in part, or in whole, any bid.
- 3. All quotations are governed by the West Virginia Code and the Legislative Rules of the Purchasing Division.
- 4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
- 5. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
- 6. Payment may only be made after the delivery and acceptance of goods or services.
- 7. Interest may be paid for late payment in accordance with the West Virginia Code.
- 8. Vendor preference will be granted upon written request in accordance with the West Virginia Code.
- 9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
- 10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
- 11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
- 12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
- 13. BANKRUPTCY: In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
- 14. HIPAA BUSINESS ASSOCIATE ADDENDUM: The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (http://www.state.wv.us/admin/purchase/vrc/hipaa.htm) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
- 15. WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT: If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

#### **INSTRUCTIONS TO BIDDERS**

- 1. Use the quotation forms provided by the Purchasing Division.
- 2. SPECIFICATIONS: Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as EQUAL to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
- 3. Complete all sections of the quotation form.
- 4. Unit prices shall prevail in case of discrepancy.
- 5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
- **6. BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130

# LAUTTAMUS COMMUNICATIONS

#### Submitted By:

Name of Contact Persons: Paul Lauttamus

Organization:

A.V. Lauttamus Communications, Inc.

Address:

1344 Cove Hill Road

Weirton, WV 26062

Website:

www.lauttamus.com

Phone Numbers:

304-723-5555

800-285-2197

304-224-3440

Fax Number:

304-723-1539

E-mail Addresses:

paull@lauttamus.com

Awards and Honors:

Governor Manchins Service Award

Sam Walton Businessman of Year

Ernst and Young Entrepreneur of Year

Rotarian of Year

Who's Who, WV State Journal WV State Journal, 40 Under 40

WV 211 Call Center Provider

Paul Harris Fellow



Department of Administration Purchasing Division Mr. John Abbott 2019 Washington Street East Charleston, WV 25305-0130

Dear Mr. Abbott:

It is with great pride that our organization submits our proposal to provide UHF Digital Two-Way radios for the West Virginia Division of Juvenile Services.

Within our proposal we proposed the highest quality repeaters, mobiles, and portables. Kenwood is introducing a new lower cost portable and repeater which are NOT included in our proposal. There is NO firm date as to when the new portable and repeaters will be introduced. The new models that are supposed to be released are behind schedule and will NOT have all the same features as the current model. The equipment we are proposing is considered a high tear radio which has more options than the new low tier models. The low tier radio is NOT recommended in your application nor until it is field tested and shows its durability. The low tier radio and repeater is NOT scheduled for release at least until May of 2010.

Since our inception in 1967, we have called West Virginia home. We are submitting this proposal because of our success that we have demonstrated in the communications industry throughout West Virginia.

We have built the most reliable telecommunications network and communications backbones for some of the largest government and commercial businesses in West Virginia.

In closing, you have my commitment and passion that our company will not only meet your expectations, but we will exceed your expectations for the Division of Juvenile Services. If you choose our organization, you will not regret your decision.

Sincerely,

Paul D. Lauttamus

Vice President



State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130 Charleston, WV 25305-0130

# Request for REQUIMBER

DJS010281

JOHN ABBOTT 304-558-2544

RFQ COPY TYPE NAME/ADDRESS HERE

AV. Louttamus Comm. INC. 1344 cove this Rd. Weirton, WU 20002

DIVISION OF JUVENILE SERVICES

ADDRESS CORRESPONDENCE TO ATTENTION OF

SECOND FLOOR 1200 QUARRIER STREET CHARLESTON, WV

25301 304-558-6029

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Rev. 5/19/09



RFQ COPY

TYPE NAME/ADDRESS HERE

A.V. Lastfamus Comm. 1344 Cove Itill Rd Weirton, WV 20002

State of West Virginia Request for Department of Administration Quotation Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

# Request for REFO NUMBER

DJS010281

ADDRESS CORRESPONDENCE TO ATTENTION OF JOHN ABBOTT

304-558-2544

DIVISION OF JUVENILE SERVICES

SECOND FLOOR 1200 QUARRIER STREET CHARLESTON, WV

304-558-6029 25301

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State of West Virginia Request for Department of Administration Purchasing Division Duscing Division Discussion Discussio 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

ADDRESS:GORRESPONDENCE TO:ATTENTION:OF JOHN ABBOTT 304-558-2544

RFQ COPY TYPE NAME/ADDRESS HERE A.V. Louttamus Comm. Dac. 1344 Cove Hill Rd. Weirton, WV Z6062

DIVISION OF JUVENILE SERVICES

SECOND FLOOR 1200 QUARRIER STREET CHARLESTON, WV 25301

304-558-6029

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State of West Virginia Department of Administration
Purchasing Division
2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

# Request for AFO NOMBER

DJS010281

ADDRESS CORRESPONDENCE TO ATTENTION OR JOHN ABBOTT 304-558-2544

RFQ COPY TYPE NAME/ADDRESS HERE

A.V. Lastfamus 1344 Case Hill Rd. Welter, W 26062 DIVISION OF JUVENILE SERVICES

SECOND FLOOR 1200 QUARRIER STREET CHARLESTON, WV 304-558-6029

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HOUZERA

State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Roy 50120 Post Office Box 50130 Charleston, WV 25305-0130

JOHN ABBOTT 304-558-2544

RFQ COPY TYPE NAME/ADDRESS HERE

DIVISION OF JUVENILE SERVICES

SECOND FLOOR 1200 QUARRIER STREET CHARLESTON, WV 25301 304-558-6029

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1		UHF Digital Portable 5 Watt Radio Kenwood NEXEDGE NX-300 or equivalent. Must be compatible with Motorola HT-1000 radios and must be narrow band compliant. NXDN Digital Air Interface or equivalent. To include: Emergency call feature, Fleet Sync or equivalent, & voice Scrambler, Antenna, Lithium Ion battery, 2.5" belt clip, individual charger, standard remote microphone and first time programming included. Radio must also be adaptable to use metal swivel belt clip.
2.		3-wire mini lapel mic/with earphone, universal connector (Black) Intrinsically Safe Approved Accessory. Kenwood or Equal
3.		Standard remote microphone Kenwood or Equal. Must have a spring clip to allow it to be clipped to clothing. The microphone shall be capable of extending a minimum of 24" inches.
4		Multi-Unit Charger, Non-Display to operate in a standard 110V US Plug. Must support lithium ion & Ni-cad batteries. Batteries shall be charged to full capacity in four (4) hours or less. The battery shall have the capacity to provide eight (8) hours of operation when utilizing a duty cycle of 5% transmit, 5% receive, and 90% standby. All equipment shall function without unintended interaction and inferference to other components.
5.		Multi-Unit Charger -110V US Plug With Display must support lithium ion & Ni-cad batteries. Batteries shall be charged to full capacity in four (4) hours or less. The battery shall have the capacity to provide eight (8) hours of operation when utilizing a duty cycle of 5% transmit, 5% receive, and 90% standby. All equipment shall function without unintended interaction and interference to other components.
6.		High Capacity Lithium ion Battery O. E. M. must be compatible with Item #1 above
7.		25 Watt Repeater installed in 30" Indoor Cabinet. Must be compatible with NEXEDGE Digital Technology or equivalent.
8.		Fiberglass Antenna will be compatible with Item #7 above
9.		Cable 1/2" LDF HELIAX POLY JKT per foot. Must be compatible with Nexedge Digital Technology OF the equivalent.
10		40 Watt Control Station, including Power Supply, Control Station Mount & Control Station Microphone
11.		Outside Control Station Fiberglass Antenna must be compatible with Item # 10 above.
12		Replacement Plastic Belt Clips compatible with Item #1
13.		UHF Stubby Antenna Must be compatible with Item # 1 above.
14.		UHF Whip Antennas. Must be compatible with Item #1 above.
15.		Leather Carrying Case is to be provided with each radio and be Black in color must be compatible with Item # 1 above
16.		Leather Swivel belt loop clip with portable D-Ring Attachment Compatible with Item #1

17. Installation of repeater and mobile stations must be performed by the winning vendor. Hours for installation are additional, and the estimated number of hours will be submitted for each location by using the hourly rate bid in #17 on the bid sheet. Vendor must supply any and all hardware to assist in the installation of the Repeater, and Control Station. Surge Suppressor and Jumpers will be included and must be compatible with System Installed. All vendors bidding on the equipment listed in the specifications are required to submit in writing that the product meets or exceeds the specifications set forth. If a vendor bids a product which does not meet the specifications as outlined for that item, but they believe exceeds the specifications, then the vendor is required to submit their exceptions in writing, specifically listing the item and line specification(s) which they are taking exception to.

Vendors should submit a product sheet with their bid that includes each item listed and at a minimum: Manufacturer, Model number and general specifications for each item. The vendor shall provide this documentation within 3 days upon request.

All first time programming and delivery to be included in the price. Vendor must be able to deliver repeater, antenna and mast within 90 days; & all other equipment within 30 days of date order is placed.

Vendor must be able to supply All Items Listed.

COT COL BOO VVJ JC:TT COOT/TT/O



RFQ COPY

State of West Virginia
Department of Administration
Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

# Request for Quotation DJS010281

DJS010281

PA	GE <sub>S</sub>	
	1	

JOHN ABBOTT 304-558-2544

DIVISION OF JUVENILE SERVICES

ADDRESS CORRESPONDENCE TO ATTENTION OF

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TYPE NAME/ADDRESS HERE 1. Louttouries Comm. 14 Cove HILIRD 1972, W 26062

09/27/20		MS OF SALE	SHIP VIA		FOB	FREIGHT TERMS
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# GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

- 1. Awards will be made in the best interest of the State of West Virginia
- 2. The State may accept or reject in part, or in whole, any bid.
- 3. All quotations are governed by the West Virginia Code and the Legislative Rules of the Purchasing Division.
- 4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
- 5. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes vold and of no effect after June 30.
- 6. Payment may only be made after the delivery and acceptance of goods or services.
- 7. Interest may be paid for late payment in accordance with the West Virginia Code.
- 8. Vendor preference will be granted upon written request in accordance with the West Virginia Code.
- 9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes
- 10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
- 11. The laws of the State of West Virginia and the Legislative Rules of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
- 12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties
- 13. BANKRUPTCY: In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
- 14. HIPAA BUSINESS ASSOCIATE ADDENDUM: The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (http://www.state.wv.us/admin/purchase/vrc/hipaa.htm) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
- 15. WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT: If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a swom statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy; at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

#### **INSTRUCTIONS TO BIDDERS**

- 1. Use the quotation forms provided by the Purchasing Division.
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Rev. 5/19/09

REMOVE THE LANGUAGE IN ITEM# 15 THAT STATES THAT A LEATHER CARRYING CASE IS TO BE PROVIDED WITH EACH RADIO. This item will be ordered on an as needed basis.

## CORRECTED VERSION

15.	Leather Carrying Case is to be Black in color must be compatible with Item # 1 above.
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COOT OF LAND VVI OC:TT COOF/BT/A



CONTRACTOR NEW PROPERTY NO. 10.00

State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Roy 50120 Post Office Box 50130 Charleston, WV 25305-0130

ADDRESS CORRESPONDENCE TO ATTENTION OF

JOHN ABBOTT 304-558-2544

DIVISION OF JUVENILE SERVICES

SECOND FLOOR 1200 QUARRIER STREET CHARLESTON, WV 25301

304-558-6029

RFQ COPY TYPE NAME/ADDRESS HERE

10/06/ BID OPENING DATE		10/14/	2009		Best (	Jay BID	OPENI	S <b>hugh</b> NG TIME	01	:30PM	<u>e</u>
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# ADDENDUM TO BID DJS010281

The intent of bidding the Kenwood, model NX-300 or equivalent is based on the current situation for the Division of Juvenile Services. We are currently operating with the Motorola HT 1000's (analog only radio) in the majority of our facilities. To avoid replacing all radios at the same time we have requested a radio with the capability of operating as an analog unit or a digital unit. With this capability we can purchase replacement radios and supplement our existing facilities without converting the entire radio stock at one time. In the future when we are required to convert to the digital standard we will be well on the way with the conversion.

# Clarification in regards to the question about the timing of the delivery of the radios.

The base stations and repeaters need to be delivered and installed within 90 days of the time the order is placed. If the order includes both a base station and repeater as well as hand held radios they should all be delivered together. If the order is for the hand held radios or accessories, only those items must be delivered within 30 days of the date the order is placed.

# 

IF ordered before December 31, 2009 the Billowing Price Quak applies. Special Restrictions applies.

option 4:

Special Restrictions applies.

		Mary Mary Control of the Control of the Control of Control			-	•
ltem #	L	Estimated			Future Unit Price for	)
***************************************	Description	Initial Order	Unit Price	Extended Price	One (1) Each	n <del>e</del> neve
	Digital 5 Watt Radio	110				
2	3-wire mini-lapel mic/w earphone	03	62.27	65,998,90	599.99	٠, ٠
3	Standard Speaker Microphone	35	19.99	5,929.50	119.99	· · · · ·
4	Multi Unit Charger Non Display	CC	66.79	2,449,45	66.70	•
2	Multi Unit Charger With Display	חמ	408.99	3,680.31	408.99	
9	High Capacity Lithium Ion battery	ر پ	66.700	1,839,97	609.99	
.7	25 Watt Repeater in 30" Cabinet	17	(7.79	959.88	79.99	
8	Fiberglass Antenna	-	5/99.99	5189.99 5199,99	5199,99	<del></del>
6	Cable 1/2" LDF Heliax Doly 15t nor ft	7	63.33	89,99	85.99	Pel
10		100	65.7	1219.93	249 30 C	<u></u> .
1 -	rd water collision station & Accessories	2	849.99	20 55%	849 99	
T	Fibergiass Antenna for Control Station	2	66.601	20000	74.00	
12	Replacement Belt Clip	12	79.79.	637.76	12.631	
13	UHF Stubby Antenna	77.	14.23	155.88	12.97	
14	UHF Whip Antenna	<b>5</b> U	7.49	56.94	9.49	
15	Leather Carry Case	0 4	4.49	56.94	67.6	
	Leather Swivel beltloop clip/w port. D-Ring	Q	28.99	173.94	28.99	·,
1.6	attachment	37	16.99		(	
17	Installation- hourly rate	Chy		37.8	(6.2)	· .
	TOTAL RID	OIII.	%10.00/hr.	420.00	70.00	
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Tor more details/ explanation Kenwood USA Corp. 15 Responsible prinction or call حدر مدحد mothers まってる Special

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tem #		Estimated			Future Unit Price for
	District	Initial Order	Unit Price	Extended Price	One (1) Each
7	Digital 5 Watt Kadio	110	599 60	20000 30	70000
2	3-wire mini-lapel mic/w earphone	50	2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	05.90	212.22
3	Standard Speaker Microphone	25	2527	5,979,50	119.99
4	Multi Unit Charger Non Display	3,0	161.47	2,149,145	66.99
'n	Multi Unit Charger With Display	מ	408,99	3,680,91	408.99
9	High Canacity Lithium los kattani	C	66.700	1,639,97	609.93
1	25 Watt Reposter in 2011 Calledy	77	(9:39	9.59,88	29.39
0	2 water those capities	<b>(-1</b>	5199 99	66 6615	87.99 99
٥	ripergiass Antenna	•	20.00	82.00	0000
S)	Cable 1/2" LDF Heliax Poly Jkt per ft	100	7 200	2000	27.77
70	40 Watt Control Station & Arrescories		1000	047.47	THE BULL
11	Fiberolass Antanna for Contaction	7	247.99	1699.98	849.77
13	Poplace of the training of control station	2	66.637	295,982	66 641
77	nepracement beit cip	12	56 C/	15 20	10 00
13	UHF Stubby Antenna	9	091 6	33	9.0
14	UHF Whip Antenna	, y		26.76	444
15	Leather Carry Case		7.97	56.74	9.49
	Leather Swivel beltloop clip/w norr D-Ripg		68.83	175.99	28.99
16	attachment	r K	16.99		00.77
17	Installation- hourly rate	2,43		3:25	16.77
	TOTAL BID	OIII.	4.10.00/hr.	490.00	70.00
	IOIAL BID			\$ 89 1,37.00	
			7	,	

# PROMOTION

# KENWOOD

PR-09-60LM

September 15, 2009

# NEXEDGE<sup>TM</sup> End User Rebates

Up to \$75 on NX Series Portables and Mobiles

From September 15th - December 31st, 2009





NEXEDGE<sup>™</sup> End User Rebates are a powerful sales tool!

Kenwood's NX Series End User Rebate program offers \$60 per unit on all NEXEDGE™ NX Series portables and \$75 per unit on all NEXEDGE™ NX Series mobiles sold between September 15<sup>th</sup>, 2009 and December 31<sup>st</sup>, 2009 (valid up to 150 units per end user customerminimum of 5 units purchase required). See the below table for exact models/amounts.

To apply for rebate redemption, simply provide the attached Rebate Form, bill of sale, and original UPC Bar Codes (from the box) with instructions to your customer at the time of delivery. \*Please review tables for a listing of eligible models.

X-200K Portable	136-174 MHz 5W, 6 Control Keys	Rebate Amou
X-200K2 Portable	136-174 MHz 5W Full Keypad	\$60.00
X-300K Portable	450-520 MHz 5W, 6 Control Keys	\$60.00
X-300K3 Portable	450-520 MHz EW Eull Kouned	\$60.00
X-700K/HK Mobiles		\$60.00
	450 520 MH- 20(45)N 542 CH/128 Zone	\$75.00
X-700K/HK Mobiles X-800K/HK Mobiles	450-520 MHz 5W, Full Keypad 136-174 MHz 30/50 W, 512 CH/128 Zone 450-520 MHz 30/45W, 512 CH/128 Zone	

## NX Series End User Rebate Form



Model Description	Rebate Amount
136-174 MHz 5W, 6 Control Keys	\$60.00
136-174 MHz 5W Full Keypad	\$60.00
450-520 MHz 5W, 6 Control Keys	\$60.00
450-520 MHz 5W, Full Keypad	\$60.00
136-174 MHz 30/50 W, 512 CH/128 Zone	\$75.00
450-520 MHz 30/45W, 512 CH/128 Zone	\$75.00
	136-174 MHz 5W, 6 Control Keys 136-174 MHz 5W Full Keypad 450-520 MHz 5W, 6 Control Keys 450-520 MHz 5W, Full Keypad 136-174 MHz 30/50 W, 512 CH/128 Zone

#### To Claim Rebate:

- 1) Send Original Rebate Form completely filled in
- Send a copy of the invoice from your Authorized Kenwood Dealer dated between 9/15/09 and 12/31/09
   NOTE: Include ORIGINAL UPC Bar Code Labels for each radio purchased

Mail to: Kenwood Rebate (09-60LM-69920) C/o ACB PO Box 1919 Memphis, TN 38101

INODEL .	SERIAL NUMBER	DELIVERED ON
		-
·.		
		· .

Total Rebate Requested: \$\_\_\_\_\_

#### Dealer Signature:

I certify that all information provided is true and accurate,

# THIS SECTION MUST BE FILLED IN FOR VALID REBATE!

These radios will	be used in the following industry.
School Equipment	Security, Alarm, Sound Equipment
Retail	HVAC Products
Restaurant	Industry Safety Equipment
Manufacturing	Contractor & Tradesman Tools
Healthcare	Fork Lifts, Material Handling
Travel	Warehouse Equipment
Construction	Industrial/Manufacturing Specialty Tool
Hotel/Motel/Resort	Landscaping, Golf Course Equip Produc
Real Estate	Maintenance Repair Operation Supplies
Government	Agriculture
Hospitality	Other:

Your Company Name:			
Attention	-		
Telephone:		· · · · · · · · · · · · · · · · · · ·	
Malling Address:			
Street			
City	State _	Zlp	
Purchased from Authorize	Tribes a sale in teacher and before the life one		
Company Name			
City	State_	Zip	
Email Address:			

#### TERMS

Radios must be sold, delivered and involced to an end user during the promotion period (Sept 15, 2009 through December 31st, 2009). Limit 150 Rebates per end user, 5 unit minimum purchased required.

- NO rebate will be paid on radios delivered before or after the promotion period, regardless of invoice date.
- A rebate check will be mailed to the end user within 8 weeks from submission of rebate request. All official rebate forms must be received by January 15<sup>th</sup>, 2010.
- 3. An original rebate form, copy of customer's receipt and original UPC Bar Code must accompany the rebate request Product stickers or copies of UPC Bar Codes will not be accepted.
- Model and serial numbers must be listed. Forms that are not completely filled in or do not have the appropriate attachments will be voided and ineligible for the rebate.
- S: If there is not enough room to fill in all your purchases, attach another form or list the additional purchases (i.e., model, serial #, delivered on date) on the back of this form.

# KENWOC

Listen to the Future

# NEXEDE

KENWOOD

# NX-200/300

NEXEDGE™ VHF/UHF Digital & FM Portable Radios FleetSync® NXDN®

#### 🌑 GENERAL FEATURES

- 5 W (136-174 MHz) Models
- 5 W (400-470, 450-520 MHz) Models
- 512 CH-GID / 128 Zones
- 12-Key Keypad Models
   14 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- 3-Digit Sub-Display
- Function/Status LCD Icons
- RSSI Indicator
   Date & 12/24 Hour Time Clock
- Transmit/Busy/Call Alert/Warn LED
- On/Off Volume Knob
- 16-Position Mechanical Selector

- 6 Front PF & Menu Keys
   2 Side PF Keys
   Emergency/AUX Key
- 500 mW Speaker Audio

- VOX Ready
   Emergency Call Features
   Emergency Man-Down Option
   Lone Worker
- Multi-Language Display
- Programmable TX/RX Indication (On/Off)
- Special Alert Tone Patterns
   Time Out Timer
- Busy Channel Lockout
- LCD Battery Status Indicator
- Low Battery Alert
- Battery Saver
- Weather-sealed ACC Connector
- MIL-Spec Speaker, Mic Options
- KMC-38GPS Speaker Mic Option
- KPG-111D Windows\* FPU
- Flash Firmware Upgrading
   Front Panel Test & Tune
- Cloning

- MIL-STD-810 C/D/E/F
  MIL-STD "Driven-Rain"
  IP-54/55 Water & Dust Intrusion
- Easy Option Port
- PC Serial Interface
- SDM Manual Input
- Transparent Data Mode!
- Intrinsically Safe Option
   VGS-1 Voice Guide/ Voice & GPS Data
- Storage Option

#### DIGITAL – COMMON

- NXDN\* Digital Air Interface
   AMBE+2\* VOCODER
- 6.25 & 12.5 kHz Channels Over-the- Air Alias
- Paging Call
- Emergency Call
- All Group Call
   Status Messaging
- Remote Stun/Kill Remote Check<sup>i</sup>

- Short & Long Data Messages'
   GPS Location with Voice'
- NXDN® Scrambler Included (Conventional: per CH)

#### **DIGITAL - CONVENTIONAL MODE**

- 64 Radio Access Numbers (RAN)
- DTMF (Encode/Decode)
- Individual & Group Selective Call
- Mixed FM/Digital Operation

#### **B** DIGITAL - TRUNKING MODE

- Individual Private Call
- Group Call
- Broadcast Call
- a Transmission Trunked Mode
- Message Trunked Mode<sup>z</sup>
- Call Queuing with Priority<sup>1</sup>
- Call Queue Pre-emption<sup>3</sup>
   Late Entry (UID & GID)<sup>2</sup>
   4 Priority Monitor ID's<sup>2</sup>
- Remote Group Add¹
- Failsoft Mode
- Multi-Site IP Network Compatible

#### SCAN

- Single Zone / Multi-Zone / List Scan
- · Dual Priority Scan (Conventional)

#### FM MODES – GENERAL

- 25 & 12.5 kHz Channels
- FleetSync\*/II
- DTMF Encode / Decode
- Companded Audio
- Voice Inversion Scrambler
   Encryption/ANI Board Control

#### **FM CONVENTIONAL ZONES**

- QT / DQT
- Two-Tone Decode
- Single/Two-Tone Encode
- Call Key 1-6
- Operator Selectable Tone

#### FM LTR® TRUNKED ZONES

Kenwood LTR\* Features

#### FleetSync\*/II (FM)

- PTT ID Digital ANI
- Selective Call & Group Call
- Status Messaging
- Emergency Status
   Caller ID Display
- Short Text Messages'
- Power On/Off Status Messages
- Send/Display GPS (KMC-38GPS)
   PTY ID & Emergency GPS Reporting
   Status Message Block GPS Reporting

# Options



KNB-48L **図 KNB-50NC** Ni-MH Battery (2000mAh) Intrinsically Safe



**図 KSC-326** Rapid Rate Six Unit Charge for Ni-Cd/Ni-MH/Li-lon 图 KMC-41M MIL-STD & IP 54/55 Speaker Microphone

MKMC-38GPS GPS Speaker Microphone

Heavy Duty Earphon

Heavy Duty Earphone

**■** KHS-11

₩ KEP-1



**図** KRA-22/23 VHF/UHF Helical Anten

**図 KRA-26/27** VHF/UHF Whip Antenna

**國 KRA-16/17** VHF/UHF Stubby Antenn

**図 KRA-25** VHP High Gain Antenna **継 KRA-28** V) (F Broad Band Antenna

W VG5-1 Voice Guide & Storage Unit

**図 KBH-11** Belt Clip (2.5")

All accessories and options may not be available in all markets.

Contact an authorized Kenymod dealer for details and complete list of all accessories and options.

## Main Specifications

CENERAL		NX-200	NX-300	
Frequency Range	Type 1	136-174 MHz	450-520 MHz	
	Type 2		400-470 MHz	
Number of Channels		512		
Zones		128		
Max. Channels per Zone		250		
Channel Spacing	Analog	12.5 / 15 / 25 / 30 kHz	12.5 / 25 kHz	
	Digital	6,25 / 12,5 kHz	6.25 / 12.5 kHz	
Operating Voltage		7,5V DC ± 20%		
Battery Life ( with KN9-48i) 5-5-90		Approx. 14.5 hours		
,	10-10-80	Approx. 9.0 hours		
Operating Temperature Range		-22" F to +140" F (-30" C to +60" C)		
Frequency Stability		± 2.0 ppm	± 1.0 ppm	
Antenna Impedance		50 Ω		
Dimensions (W x H x	D) Projections not included			
	Radio only	2.28 x 5.02 x 1.63 in	(58 x 127.5 x 41.3 mm	
	with KNB-471	2.28 x 5.02 x 1.63 in	(58 x 127.5 x 41.3 mm	
	with KNB-48L	2,28 x 5.02 x 1.91 in	(58 x 127.5 x 48.5 mm	
Weight (net)	Radio only	8.82 oz (250 g)		
= -	with KNB-47L	13.23 oz (375 g)		
	with KNB-48L	14.29 oz (405 g)		
FCC ID	Type 1	ALH378400	ALH378500	
	Type 2		ALH378501	
IC Certification	Type 1 .	2820-378400	282D-378500	
	Type 2	1	282D-378501	

iensitivity	Digital @ 6.25kHz (3% BER)	. 0.20 µV
• •	Digital @ 12.5kHz (3% BER)	0.25 μV
	Analog (12 dB SINAD)	0.25 μV
Selectivity	Analog @ 25 kHz	72 d8
	Analog @ 12.5 kHz	65 d8
Intermodulation Distortion	Analog	70 dB (±50,100 kHz)
Spurious Response	Analog	70 d8
Audio Distortion		Less than 3%
Audio Output		500 mW / 8 Ω
TRANSMITTER	tanagan taga barataga	हरका विकेश अपन्य प्रभावना है। इन्हें जेंद्र
RF Power Output		5W/1W
Spurious Response		70 dB
FM Hum & Noise	Analog @ 25 kHz	45 dB
	Analog @ 12,5 kHz	40 dB
Audio Distortion		Less than 3%
Modulation		16K0F3E, 11K0F3E, 8K30F1E,
		8K30F1D, 8K30F7W, 4K00F1E,
		4K00F1D, 4K00F7W, 4K00F2D

Analog measurements made per JIA/EIA 603 and specifications shown are typical. Kenwood reserves the right to change specifications without prior notice or obligation.

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Windows® is a registered trademark of Microsoft Corporation.
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# Applicable MIL-STD & IP

MIL Standard	MIL 810C Methods/Procedures		MIL 810E Methods/Procedures	MIL 810F Methods/Procedures
Low Pressure	500:1/Procedure I	500.2/Procedure 1, II	500.3/Procedure I, II	500.4/Procedure I, II
High Temperature	501.1/Procedure I, II	501,2/Procedure J, II	501.3/Procedure I, II	501.4/Procedure I, II
Low Temperature	502.1/Procedure I	502.2/Procedure I, II	502.3/Procedure I, II	502.4/Procedure I, II
Temperature Shock	503,1/Procedure I	503.2/Procedure I	503,3/Procedure I	503.4/Procedure I, II
Solar Radiation	505.1/Procedure I	505.2/Procedure I	505.3/Procedure	505.4/Procedure I
Rain	506,1/Procedure I, II	506.2/Procedure I, II	506.3/Procedure I, II	506.4/Procedure I, III
Humidity -	507.1/Procedure I, II	507,2/Procedure II, III	507.3/Procedure II, III	507.4
Salt Fog	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4
Dust	510,1/Procedure I	510.2/Procedure I	510,3/Procedure I	510.4/Procedure I. III
Vibration	514,2/Procedure VIII. X	514.3/Procedure I	514.4/Procedure	514.5/Procedure I
Shock	516.2/Procedure I, II, V	516.3/Procedure I, IV	516.4/Procedure I, IV	516.5/Procedure I, IV
International Protection Stand		医有效流动脉络线		
Dust & Water Protection	IP54/55			

footnates from Front:

footnotes from Front:

Requires IXX subscriber unit PC Setial
Interface compatible software application
(e.g. Kenwood AVI, & Dispatch Messaghry
software) of hardware (e.g. constole).

These tunked features are primarily
system programming and operational
dependent. Priority Monitor also requires
IXX subscriber settings.

Listen to the Future

Kenwood has always connected with people through sound. Now we want to expand the world of sound in ways that only Kenwood can, listening to our customers and to the pulse of the coming age as we head toward a future of shared discovery, inspiration and enjoyment.

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