



# Options

**KNB-L1/L2/L3**  
Li-ion Battery Pack  
(IP67/68 Immersion)



**KSC-Y32**  
Rapid Charger



**KSC-32/32S**  
Rapid Charger



**KSC-326/326S**  
Rapid Charger



**KAS-12**  
Battery Reader  
(PC Software)

**KRA-26**  
VHF Helical Antenna  
(Standard Length)



**KRA-27**  
UHF Whip Antenna  
(Standard Length)



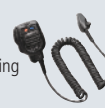
**KRA-32**  
700/800MHz Whip Antenna



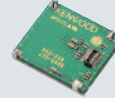
**KMC-41D**  
Speaker Microphone (IP54/55)



**KMC-54W**  
Speaker Microphone  
• 2-mic digital noise cancelling via the radio's DSP  
• 3.5mm-diameter EP jack  
• Complies with MIL-STD 810C/D/E/F/G  
• IP65/67 Dust & Water\*



**KWD-AE30/AE31**  
Secure Cryptographic Module



**KPG-180AP**  
OTAP Manager

**KBH-11**  
Belt Clip



All accessories and options may not be available in all markets. Contact an authorized Kenwood dealer for details and complete list of all accessories and options.

# Main Specifications

	NX-5200	NX-5300	NX-5400
<b>GENERAL</b>			
<b>Frequency Range</b>	136-174 MHz	Type 1: 450-520 MHz Type 2: 380-470 MHz	RX: 763-776, 851-870 MHz TX: 763-776, 793-806, 806-825, 851-870 MHz
<b>Max. Channels Per Radio</b>	1024 (Up to 4000 CH with option)		
<b>Number of Zones</b>	128		
<b>Max. Channels per Zone</b>	512		
<b>Channel Spacing</b>	Analog Digital	12.5/15/20/25*/30* kHz 6.25kHz/12.5kHz	12.5/25 kHz* 12.5 kHz (6.25 kHz)
<b>Power Supply</b>	7.5V DC ± 20%		
<b>Battery Life</b> (5-5-90/10-10-90 duty cycle)	KNB-L1 (2,000 mAh) KNB-L2 (2,600 mAh) KNB-L3 (3,400 mAh)		
<b>Operating Temperature</b>	-22°F to +140°F (-30°C to +60°C)		
<b>Frequency Stability</b>	±2.0 ppm	±1.0 ppm	±1.5 ppm
<b>Dimensions</b> Radio w/Control Head	(W x H x D)		
KNB-L1 (2,000 mAh)	2.28 x 5.47 x 1.52 in. (58 x 139 x 38.8 mm)		
KNB-L2 (2,600 mAh)	2.28 x 5.47 x 1.65 in. (58 x 139 x 41.8 mm)		
KNB-L3 (3,400 mAh)	2.28 x 5.47 x 1.86 in. (58 x 139 x 47.2 mm)		
<b>Weight</b> (net) Radio w/Control Head	KNB-L1 (2,000 mAh) KNB-L2 (2,600 mAh) KNB-L3 (3,400 mAh)		
FCC ID	Type 1 Type 2	K44431400 K44431500 K44431501	ALH442000
<b>IC Certification</b>	Type 1 Type 2	282F-431400 -	282D-442000

\*25 and 30 kHz are not included in the models sold in the USA or US territories. Analog measurements made per TIA 603 and specifications shown are typical. Digital measurements made per TIA 102CAAA and specifications shown are typical. Specifications are subject to change without notice, due to advancements in technology.

	NX-5200	NX-5300	NX-5400
<b>RECEIVER</b>			
<b>Sensitivity</b>	NXDN® 6.25 kHz Digital (3% BER) NXDN® 12.5 kHz Digital (3% BER) P25 Digital (5% BER) P25 Digital (1% BER) Analog (12dB SINAD)	0.20 µV 0.25 µV 0.25 µV 0.40 µV 0.24 µV	- -
<b>Selectivity</b>	P25 Digital Analog @ 25 kHz Analog @12.5 kHz	67 dB 73 dB	64 dB
<b>Intermodulation</b>	73 dB		75 dB
<b>Spurious Rejection</b>	80 dB	75 dB	
<b>Audio Distortion</b>	3%		
<b>Audio Output Power</b>	500 mW/8Ω (3% Distortion) / 1,000 mW /8Ω (5% Distortion)		
<b>TRANSMITTER</b>			
<b>RF Power Output Power</b>	5 W to 1 W		3 W to 1 W
<b>Spurious Emission</b>	-70 dB		
<b>FM Hum &amp; Noise</b>	Analog @ 25 kHz Analog @ 12.5 kHz	40 dB 45 dB	
<b>Audio Distortion</b>	2%		
<b>Modulation</b>	16K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W, 8K30F1E, 8K30F1D, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D	16K0F3E, 14K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W, 8K30F1E, 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D	

The Bluetooth word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. SD and microSD are trademarks of SD-3C, LLC in the United States, and/or other countries. AMBE+2™ is a trademark of Digital Voice Systems Inc. Windows® is a registered trademark of Microsoft Corporation. NXDN® is a trademark of JVCKENWOOD Corporation and Icom Inc. NEXEDGE® is a registered trademark of JVCKENWOOD Corporation.

# Applicable MIL-STD & IP

MIL Standard	MIL 810C Methods/Procedures	MIL 810D Methods/Procedures	MIL 810E Methods/Procedures	MIL 810F Methods/Procedures	MIL 810G Methods/Procedures
<b>Low Pressure</b>	500.1/Procedure I	500.2/Procedure I, II	500.3/Procedure I, II	500.4/Procedure I, II	500.5/Procedure I, II
<b>High Temperature</b>	501.1/Procedure I, II	501.2/Procedure I, II	501.3/Procedure I, II	501.4/Procedure I, II	501.5/Procedure I, II
<b>Low Temperature</b>	502.1/Procedure I	502.2/Procedure I, II	502.3/Procedure I, II	502.4/Procedure I, II	502.5/Procedure I, II
<b>Temperature Shock</b>	503.1/Procedure I	503.2/Procedure I	503.3/Procedure I	503.4/Procedure I, II	503.5/Procedure I
<b>Solar Radiation</b>	505.1/Procedure I	505.2/Procedure I	505.3/Procedure I	505.4/Procedure I	505.5/Procedure I
<b>Rain</b>	506.1/Procedure I, II	506.2/Procedure I, II	506.3/Procedure I, II	506.4/Procedure I, III	506.5/Procedure I, III
<b>Humidity</b>	507.1/Procedure I, II	507.2/Procedure II, III	507.3/Procedure II, III	507.4	507.5/Procedure II
<b>Salt Fog</b>	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4	509.5
<b>Dust</b>	510.1/Procedure I	510.2/Procedure I	510.3/Procedure I	510.4/Procedure I, III	510.5/Procedure I
<b>Vibration</b>	514.2/Procedure VIII, X	514.3/Procedure I	514.4/Procedure I	514.5/Procedure I	514.6/Procedure I
<b>Shock</b>	516.2/Procedure I, II, V	516.3/Procedure I, IV	516.4/Procedure I, IV	516.5/Procedure I, IV	516.6/Procedure I, IV
<b>International Protection Standard</b>					
<b>Dust &amp; Water Protection</b>	IP54/55				
<b>Immersion</b>	IP67/68*				

\*IP68=1m/2H or 2m/0.5H

# KENWOOD

Kenwood U.S.A. Corporation  
Communications Sector Headquarters  
3970 Johns Creek Court, Suite 100, Suwanee, GA 30024

Order Administration/Distribution  
P.O. BOX 22745, 2201 East Dominguez St., Long Beach, CA 90801-5745  
[www.kenwood.com/usa](http://www.kenwood.com/usa)

Kenwood Electronics Canada Inc.  
Canadian Headquarters and Distribution  
6070 Kestrel Road, Mississauga, Ontario, Canada L5T 1S8  
[www.kenwood.ca](http://www.kenwood.ca)



ISO9001 Registered  
Professional Systems Business Group  
JVCKENWOOD Corporation

ADS#34914 Printed in USA