



This versatile handheld radio supports both NXDN and DMR digital protocols as well as mixed digital & FM analogue operation, enabling it to serve with distinction in a wide range of enterprise - and operation-critical applications. Compact yet designed with durability in mind, it's packed with convenient features like Bluetooth® for hands-free operation and built-in GPS. Additionally, for expansion capability a software license certification system facilitates extensive customisation.

PRODUCT HIGHLIGHTS

- **Multi-protocol digital** radio: Designed to operate under an NXDN or DMR digital, and FM analogue protocols
- **Mixed Digital & FM Analogue Operation** allows gradual migration at your own pace
- **4-Line Basic Frame** (2 lines of icon & key guide) / 14 Characters
- **5-Line Text Message Frame** (3 Lines of Text, icon & key guide)*
- **7-Colour Light Bar Indicator** on the top panel
- **4-way Directional-pad (D-pad)** for intuitive control and operation
- **Built-in GPS Receiver/Antenna** for effective fleet management
- **Built-in Bluetooth** for hands-free operation – Applicable Bluetooth profiles: HSP (Headset Profile provided) and SPP (Serial Port Profile available as an option)
- Renowned **KENWOOD Audio Quality** with **Active Noise Reduction (ANR)** that utilises built-in DSP
- Software **DES** and **AES** Encryptions for Digital protocols
- **Built-in Motion Sensor** (Man-down, Stationary and Motion Detection)
- **MIL-STD-810 C/D/E/F/G**

*The number of lines may vary depending on the display language (character set).

GENERAL FEATURES

- Universal Audio Connector with 14 contacts to connect with a variety of options, as well as loud audio output and dual mic Active Noise Reduction (ANR) capabilities
- Audio Output Power: 1 Watt
- Intrinsically Safe Option
- Paging Call
- Emergency Call
- Status/Text Message
- Remote Stun/Kill/Check

DIGITAL - NXDN MODE

- NXDN Type-C & Gen2 Trunked
- NXDN Conventional
- 6.25 & 12.5 kHz Channels
- All Group Call
- Over-the-Air Alias (OAA)
- Over-the-Air Programming (OTAP)

DIGITAL - DMR MODE

- DMR-S Trunking
- DMR Tier III Trunking
- DMR Tier II conventional, DMR Auto Slot Select & Site Roaming
- 12.5 kHz Two-slot TDMA channels
- Call Interruption
- Dual-slot Direct Mode
- Enhanced Encryption
- Energy Efficient

ANALOGUE - FM MODE

- Conventional & LTR Trunking
- FleetSync/II: PTT ID ANI / Caller ID Display, Selective Group Call, Emergency Status / Text Messages
- MDC-1200: PTT ID ANI / Caller ID Display, Selective Call, Emergency, Radio Check / Inhibit
- QT / DQT, DTMF, 5-tone
- Built-in Voice Inversion Scrambler



Full Keypad Model

Standard Keypad Model

Basic Model



OPTIONAL ACCESSORIES

- **KNB-55L/57L/78L**
Li-ion BATTERY PACK
(7.4 V/1480 mAh,
7.4 V/2000 mAh,
7.4 V/2860mAh)
- **KNB-56N**
Ni-MH BATTERY PACK
(7.2 V/1400 mAh)
- **KNB-79LC**
Li-ion BATTERY PACK
(7.4 V/2860 mAh,
Intrinsically Safe)
- **KBP-5**
BATTERY CASE (6 AA)



KNB-57L

- **KSC-25LS/25S**
RAPID CHARGER
(Li-ion Only/Tri-Chem)



KSC-25S

- **KSC-256A**
MULTIPLE CHARGER
(6-pocket)



KSC-256

- **KRA-22/23**
VHF/UHF HELICAL
ANTENNA
(Low Profile)



KRA-22

KRA-23

- **KRA-26**
VHF HELICAL ANTENNA
(Standard Length)



- **KRA-27**
UHF WHIP ANTENNA
(Standard Length)



- **KRA-41/42**
VHF/UHF STUBBY
ANTENNA



KRA-41

KRA-42

- **KBH-11**
BELT CLIP (2.5 in)



- **KMC-41D**
SPEAKER MICROPHONE [IP54/55]*



KMC-41D

*To be discontinued

- **KMC-54WD**
SPEAKER MICROPHONE [IP67]*
(DSP Active Noise Reduction)



KMC-54WD

- **KMC-70**
SPEAKER MICROPHONE
[IP68]
(3-button, DSP Active Noise
Reduction; Green Housing)
[GR] version is also available



KMC-70



KMC-70GR

- **KMC-72**
SPEAKER MICROPHONE [IP67]
(2-button, Built-in noise canceler)



KMC-72

- **KPG-180AP**
OTAP MANAGER (PC software)

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

SPECIFICATIONS

GENERAL		NX-3200	NX-3300	RECEIVER	
Frequency Range		136-174 MHz	400-520 MHz		
Max. Channels per Radio		Up to 1000 channels with option			
Number of Channels		512 (64 for no LCD models)			
Number of Zones		128 (4 for no LCD models)			
Channel Spacing	Analogue	12.5 / 20 / 25 kHz			
	Digital	6.25 / 12.5 kHz			
Power Supply		7.5 V DC ±20 %			
Battery Life (FDMA/TDMA) 5-5-90	KNB-55L (1,480 mAh)	Approx. 8 hours/Approx. 9.5 hours			
	KNB-56N (1,400 mAh)	Approx. 8 hours/Approx. 9 hours			
	KNB-57L (2,000 mAh)	Approx. 11 hours/Approx. 13.5 hours			
	Operating Temperature	-30°C to +60°C			
Frequency Stability (-30°C to +60°C; +25°C Ref.)		± 0.5 ppm			
Dimensions (W x H x D) *Projections not included	Radio only	56 x 119.6 x 36.4 mm*1			
	With KNB-55L (1,480 mAh)	56 x 119.6 x 36.4 mm*1			
	With KNB-56N (1,400 mAh)	56 x 119.6 x 42.7 mm*1			
	With KNB-57L (2,000 mAh)	56 x 119.6 x 39 mm*1			
Weight (net)	Radio only	220 g*2			
	With KNB-55L (1,480 mAh)	315 g*2			
	With KNB-56N (1,400 mAh)	410 g*2			
	With KNB-57L (2,000 mAh)	340 g*2			
Applicable Standards	ETSI (EMC)	EN 301 489-1, EN 301 489-3, EN 301 489-5, EN 301 489-17			
	ETSI (Spectrum)	EN 300 086, EN 300 113, EN 300 219, EN 300 328, EN 300 440, EN 301 166			
	ETSI Safety	EN 60215, EN 60950-1, EN62368-1			
				Sensitivity	
				NXDN 3 % BER (6.25 kHz/12.5 kHz)	0.20 µV / 0.25 µV
				NXDN 1 % BER (6.25 kHz/12.5 kHz)	-4.0 dBµV (0.32 µV) / -1 dBµV (0.45 µV)
				DMR 12.5 kHz Digital, 5 % BER	-4.5 dBµV (0.30 µV)
				DMR 12.5 kHz Digital, 1 % BER	-1 dBµV (0.45 µV)
				Analogue, EIA 12 dB SINAD (12.5/20 & 25 kHz)	0.25 µV
				Analogue, EN 20 dB SINAD (12.5/20 & 25 kHz)	-1 dBµV (0.45 µV) / -3 dBµV (0.35 µV) / -3 dBµV (0.35 µV)
				Analogue 12.5 kHz	68 dB
				Analogue 20 kHz	74 dB
				Analogue 25 kHz	76 dB
				Intermodulation	65 dB
				Spurious Rejection	65 dB
				Audio Distortion	3 %
				Audio Output 3 % Distortion	500 mW/8 Ohms
				(Internal Speaker) 5 % Distortion	1000 mW/8 Ohms
				TRANSMITTER	
				RF Power Output	5 W / 4 W / 1 W
				Spurious Emission	-36 dBm ≤1 GHz, -30 dBm >1 GHz
				FM Hum & Noise	
				Analogue @ 25 kHz	45 dB
				Analogue @ 20 kHz	45 dB
				Analogue @ 12.5 kHz	40 dB
				Audio Distortion	3 %
				Digital Protocol	ETSI TS 102 361-1, -2, -3
				Emission Designator	16K0F3E, 14K0F2D, 14K0F3E, 12K0F2D, 8K50F3E, 8K30F1E, 8K30F1D, 8K30F7W, 7K50F2D, 7K60FXE, 7K60FXD, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D

*1 Dimensions for Full Keypad/Std Keypad Models *2 Weight for Full Keypad Model
Specifications are measured according to applicable standards.
Specifications shown are typical and subject to change without notice, due to advancements in technology.

APPLICABLE MIL-STD & IP

MIL Standards	Methods / Procedures				
	810C	810D	810E	810F	810G
Low Pressure	500.1/I	500.2/I, II	500.3/I, II	500.4/I, II	500.5/I, II
High Temperature	501.1/I, II	501.2/I, II	501.3/I, II	501.4/I, II	501.5/I, II
Low Temperature	502.1/I	502.2/I, II	502.3/I, II	502.4/I, II	502.5/I, II
Temp. Shock	503.1/I	503.2/I	503.3/I	503.4/I, II	503.5/I
Solar Radiation	505.1/I	505.2/I	505.3/I	505.4/I	505.5/I
Rain	506.1/I, II	506.2/I, II	506.3/I, II	506.4/I, III	506.5/I, III
Humidity	507.1/I, II	507.2/II, III	507.3/II, III	507.4	507.5/II
Salt Fog	509.1/I	509.2/I	509.3/I	509.4	509.5
Dust	510.1/I	510.2/I	510.3/I	510.4/I, III	510.5/I
Vibration	514.2/VIII, X	514.3/I	514.4/I	514.5/I	514.6/I
Shock	516.2/I, II, V	516.3/I, IV	516.4/I, IV	516.5/I, IV	516.6/I, IV
International Protection Standards					
Dust & Water	IP54, IP55, IP67				

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