Walkie /Talkie set specification



applied With

Antenna Yes, KRA-27M

Battery Yes, KNB-63L

Belt Clip Yes

Charger Yes, KSC-35SE

Instruction Manual Yes, English, Spanish, German, French, Dutch, Italian,

Portugese, Turkish and Greek

Screw Set Yes

PMR General Features

3-colour LED (Red, Orange, Green) Yes **Battery Saver Mode** Yes **Battery Status Indicator** Yes **Busy Channel Lock-out** Yes Compact Design Yes Companded Audio Yes **DTMF Function** Yes **Enhanced Audio** Yes ESN (Electronic Serial Number) Yes **Multiple Scanning Function** Programmable Function Keys 1 Programmable Function Keys QT (CTCSS) / DQT (digital) Yes Yes Talk Around **Time-Out Timer** Yes Adjustable 10 levels plus "Off" VOX Windows PC Programming and Tuning Yes

Yes

Applicable Standards

Wired Cloning Function

R&TTE: Yes, EN 300 086, 300 219, 301 489

EU Safety: EN60065, 60950-1, 60215

Factory Quality Certification and Location ISO 9001. Manufactured in Shanghai

For use in the EU Yes Yes Measurement - EIA Standards Yes MIL-STD 810 C/D/E/F/G Yes

Technical Specifications

Frequency Range 440 - 470 MHz

Number of Channels 16

Channel Frequency Spread 30 MHz

Channel Spacing - Analogue - Wide/Mid/Narrow 25 kHz/20 kHz/12.5 kHz

Antenna Impedance - 50 Ohm Yes

With KNB-63L: 9 hours Battery Life

- 5-5-90 duty cycle, with battery saver off

Battery Voltage $7.5 \text{ V DC} \pm 20\%$

 ± 2.5 ppm (-20 °C to +60 °C) Frequency Stability

-20 °C to +60 °C Operating Temperature Range

5.0 kHz/6.25 kHz PLL Channel Steps

Radio with KNB-63L:

W x H x D - 54 x 113 x 24.9 mm

Projections not included

Radio only: 130 g Weight (net) With KNB-63L: 203 g

Receiver Specifications

Dimensions

70dB at 25 kHz 70dB at 20 kHz Adjacent Channel Selectivity 60dB at 12.5 kHz

500 mW Audio Output

65dB Intermodulation

0.28 µV at 25 kHz 0.28 µV at 20 kHz Sensitivity - EIA 12 dB SINAD 0.35 µV at 12.5 kHz

0.35 µV at 25 kHz

0.35 µV at 20 kHz Sensitivity - EN 20 dB SINAD 0.45 µV at 12.5 kHz

Spurious Reponse Rejection (Analogue) 70 dB

nansmitter Specifications

6. Some operations (1111)

A VOIL (DIA)

Transport Sections

MARINE SERVICE

Bearing Smith O. 1.

4 11 111

48 All 16 11/11/11

44 / 14 114 114 114 144 144

White the taken

11/11/11/11

Her Hilly ray !

BASE STATION - SPECIFICATION





Key Features

NNDN Digital Air Interface

AMBE+2 Vocoder for Natural Sounding Digital Voice

Operates in NXDN Digital Conventional and FM Analogue Modes, even on the same channel

Autosenses Received Mode (Digital or Analogue)

30 Channel Scanning Base Station (Conventional Mode)

Digital - Single-Site Trunking (future upgrade)

Multi-Site IP Network Mode (via KTI-3 option)

Supplied With

Cushion

D.C. Cable

Yes, 15A

Handle

Yes, English, Spanish, French, Italian, German, Dutch,

Yes

Instruction Manual Turkish & Greek

Screw Set Yes

Base Station & Repeater Features

16 CTCSS/DCS Repeater Controller Built-In Yes

19" Rack Mount Design Yes

Audio Distortion Less Than 2.5%

. /		
"Base Station" or "Repeater" Mode Operation	Yes	
Base Station Features	Yes	
CW ID	Yes	
DTMF AUX Input Monitoring	Yes	
DTMF AUX Output Control	Yes	
DTMF Front Panel PF-Key Control	Yes	
EIA Voter Tone Generation	Yes	
External FM Controller Interface	Yes	
External MPT Controller Interface	Yes	
Flash ROM for Future Upgrades	Yes	
Front Mounted Speaker	Yes	
Full-Duplex Operation	Yes	
Hang Timer	Yes	
LED Display & Indicators	Yes	
Microphone Jack on Front Panel	Yes	
Program/Modem Interface	Yes	
Programmable AUX I/Os	Yes	
Programmable Function Keys	6	
Remote Termination Interface	Yes	
Repeater Features	Yes	
Time-Out Timer	Yes	

Windows Programming and Tuning Software

Yes

Yes

NEXEDGE Features

FM Analogue Conventional Included

Yes

NXDN Conventional Included

Yes

NEXEDGE Base + Repeater Features

16 RAN Repeater Controller Built-In - Conventional Mode	Yes	
Conventional IP Interface	Yes, From V2.00 Firmware	
External Reference-Frequency Connection	Yes	
GIDs Per Site	1000 in Conventional Mode	
Mixed FM/Digital Operation - Conventional Mode	Yes	
NXDN Scrambler built-In	Yes	
UIDs Per Site	1000 in Conventional Mode	

Applicable Standards

R&TTE: EN300 086, 300 113, 300 219, 301 489, 301 166	Yes	
EU Safety: EN60065, 60950-1, 60215	Yes	
Measurement - EIA Standards	Yes	

Technical Specifications

Frequency Range 136 - 174 MHz

Number of Channels 30

Channel Frequency Spread 38 MHz

Analogue: 25 kHz/20 kHz/12.5 kHz Channel Spacing

Channel Spacing - Digital - Wide/Narrow 12.5 kHz/6.25 kHz

Yes Antenna Impedance - 50 Ohm

RX: BNC Antenna Connector TX: N

Stand-By: 0.5 A Receive: 1.0 A Current Drain Transmit: 11.0 A

100% at 25 Watts, 50% at maximum power **Duty Cycle**

 \pm 0.5 ppm (-30 °C to + 60 °C) Frequency Stability

-30 °C to +60 °C Operating Temperature Range

13.6 V DC (10.8 ~ 15.6 V DC) Operating Voltage

2.5 kHz/3.125 kHz PLL Channel Steps

483 x 88 x 340 mm - Projections not included -Dimensions

9.7 kg Weight (net)

Receiver Specifications

Analogue: 83 dB at 25 kHz Adjacent Channel Selectivity 81 dB at 20 kHz 77 dB at 12.5 kHz

4 Watts with less than 5% distortion **Audio Output**

Intermodulation Analogue: 72 dB

3% BER: 0.28 µV at 12.5 kHz $0.22 \mu V$ at 6.25 kHz. Sensitivity 1% BER:

-4 dB μV at 12.5 kHz -6 dB μ V at 6.25 kHz.

Digital:

 $0.28 \mu V$ Sensitivity - EIA 12 dB SINAD

-3dB µV Sensitivity - EN 20 dB SINAD

85 dB Spurious Reponse Rejection (Analogue)

Transmitter Specifications

5 W - 40 W RF Power Output

55 dB at 25 kHz 53 dB at 20 kHz FM Noise (EIA) 50 dB at 12.5 kHz

Less than 1% Modulation Distortion

Analogue:

 \pm 5.0 kHz at 25 kHz **Modulation Limiting** ± 4.0 kHz at 20 kHz

± 2.5 kHz at 12.5 kHz

-36 dBm ≤ 1 GHz Spurious Emission (EN) -30 dBm > 1 GHz