

Kenwood's new TK-280/380 compact portable offers Trunked Format or Conventional Format configurations along with FleetSync™ Digital Messaging & Signaling, sufficient to be an integral part of any radio system where it counts most — in the field. What's more, the rugged ergonomic design and world-famous Kenwood quality combine to make this high-performance unit perfect for today's demanding applications.

EXTRA-LONG BATTERY LIFE

Kenwood offers KNB-17A 10-hour Ni-Cd batteries and KNB-21N/22N 10/13-hour Ni-MH batteries for a choice of long or extra-long life in any application.

WEATHER-SEALED UNIVERSAL CONNECTOR

The universal accessory connector and battery contacts use spring action gold-alloy elements for excellent contact, conductivity and anti-corrosive properties. The universal connector is designed for compatibility with many other Kenwood audio accessories such as the KMC-25 while maintaining MIL-STD 810C, D & E.



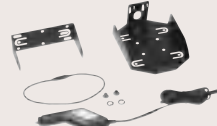
Trunked format operation offers system and group scan to permit monitoring of calls on multiple systems and multiple talk groups per system. Priority scanning is available for within programmed conventional systems. Conventional format operation permits single priority scanning within a single channel group or among multiple channel groups. Talk Back scan permits users to respond immediately to calls regardless of the pre-programmed or selected scan revert channel.

³ FleetSync™ Basic™ dispatch features are available using just 80-Series mobile/portable fleet radios and an 80-Series mobile base/control station. More advanced FleetSync™ dispatch systems may require the FleetSync™ Enhanced option and FleetSync™-compatible peripherals and/or software.

For reassuring performance in hazardous and volatile environments, Kenwood offers options and accessories meeting the highest level of intrinsically safe specifications.

The radio's flash memory can store an electronic message containing owner identification, property I.D. numbers, user and department names, service records, etc. A radio can be electronically identified even if external labels, markings or factory serial numbers have been removed.

Features or specifications marked with an asterisk (*) are only available in version 2.0 or later radio products. Contact Kenwood for details.

OPTIONS				
				
KNB-17A	KNB-17B	KNB-21N	KNB-22N	
Ni-Cd Rechargeable Battery (7.2 V, 1500 mAh)	Ni-Cd Rechargeable Battery — Intrinsically Safe (7.2 V, 1500 mAh)	Ni-MH Rechargeable Battery (7.2 V, 1600 mAh)	Ni-MH Rechargeable Battery (7.2 V, 2100 mAh)	
				
KBP-4	KSC-19	KSC-24	KMB-14	KMB-16
AA Refillable Battery Pack (holds 12 AA-size alkaline cells)	Regular Rate Ni-Cd Charger	Rapid Rate Dual-chemistry Ni-Cd/Ni-MH Charger	Multi-Charger Adapter (holds six KSC-19 chargers)*	Multi-Charger Adapter (holds six KSC-20 or KSC-24 chargers)*
				
KVC-3	KVC-4	KVC-5	KMC-25	KEP-1
Regular Rate Vehicular Charger Adapter (requires KSC-19)	Rapid Rate Vehicular Charger Adapter (requires KSC-20/24)	Heavy-duty D.C. Vehicular Drop-in Charger	MIL-SPEC Speaker Microphone	Heavy-duty Earphone (requires KMC-25)
				
KHS-11BL	KHS-12BL	KHS-14	KHS-15-BH	KHS-15-OH
2-Wire Palm Mic with Earphone (BE- beige models)	3-Wire Mini Lapel Mic with Earphone (BE- beige models)	Lightweight Single Muff Headset	Heavy-duty Behind-the-Head Headset with Noise Canceling Boom Mic	Heavy-duty Overhead-the-Head Headset with Noise Canceling Boom Mic
				
KBH-8	KBH-8DS	KLH-6SW	KLH-75B	KLH-76B
Spring-action Belt Clip	Swivel Belt Loop with D-ring Stud Back Plate	Swivel Case Adapter	Leather Case	Leather Case (for DTMF keypad model)
				
KWR-1	KRA-14	KRA-15	KRA-16	KRA-17
Water-Resistant Bag	VHF Helical Antenna	UHF Whip Antenna	VHF Stubby Antenna	UHF Stubby Antenna

*Chargers sold separately.
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.

■ Specifications

	TK-280	TK-380
GENERAL		
Frequency range		
Type 1	146 ~ 174 MHz	450 ~ 490 MHz
Type 2	136 ~ 162 MHz	470 ~ 512 MHz
Type 3		400 ~ 430 MHz
System (Trunked mode)	Max. 32	
Group (Trunked mode)	Max. 250	
Channels		
Trunked/Conventional	Max. 600/Max. 250	
Channel spacing		
Wide	25, 30 kHz	25 kHz
Narrow	12.5, 15 kHz	12.5 kHz
PLL step	1.25, 2.5, 5, 6.25, 7.5 kHz	5, 6.25 kHz
Battery voltage	7.5 V DC ± 20 %	
Battery life (5-5-90 duty cycle)		
KNB-17A (1500 mAh)	More than 10 hours	
KNB-21N (1600 mAh)	More than 10.5 hours	
KNB-22N (2100 mAh)	More than 13 hours	
Operating temperature range	-22° F ~ +140° F (-30° C ~ +60° C)	
Frequency stability	±0.00025 % (-22° F ~ +140° F)	
Antenna impedance	50 Ω	
Channel frequency spread		
Type 1	28 MHz	40 MHz
Type 2	26 MHz	42 MHz
Type 3		30 MHz
Dimensions (W x H x D) [projections not included]	2-5/16 x 5-5/16 x 1-5/16 in. (58 x 135 x 34 mm) with KNB-21N battery	
Weight (net)	17.3 oz. (490 g) with KNB-21N battery, antenna and belt hook	
FCC ID		
Type 1	ALH24613110	ALH24623110
Type 2	ALH24613120	ALH24623120
Type 3		ALH24623130
FCC compliance		
Type 1	FCC parts 22, 74, 80, 90, 90.210	FCC parts 22, 74, 80, 90, 95
Type 2	FCC parts 22, 74, 90, 90.210	FCC parts 90, 90.210
Type 3		FCC parts 90, 90.210
IC certification		
Type 1	282195462A	282195463A
Type 2	282195536A	
Type 3		282195524A

■ Applicable MIL-STD

Standard	MIL 810C Methods/Procedures	MIL 810D Methods/Procedures	MIL 810E Methods/Procedures
Low Pressure	500.1/Procedure I	500.2/Procedure I	500.3/Procedure I
High Temperature	501.1/Procedure I, II	501.2/Procedure I, II	501.3/Procedure I, II
Low Temperature	502.1/Procedure I	502.2/Procedure I, II	502.3/Procedure I, II
Temperature Shock	503.1/Procedure I	503.2/Procedure I	503.3/Procedure I
Solar Radiation	505.1/Procedure I	505.2/Procedure I	505.3/Procedure I
Rain	506.1/Procedure I, II	506.2/Procedure I, II	506.3/Procedure I, II
Humidity	507.1/Procedure II	507.2/Procedure II	507.3/Procedure II
Salt Fog	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I
Dust	510.1/Procedure I	510.2/Procedure I	510.3/Procedure I
Vibration	514.2/Procedure VIII, X	514.3/Procedure I	514.4/Procedure I
Shock	516.2/Procedure I, II, V	516.3/Procedure I, IV	516.4/Procedure I, IV

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JQA-1205 ISO 9001
Communications Equipment Division
Kenwood Corporation
ISO9001 certification



TK-280		TK-380
RECEIVER (Measurements made per EIA-RS 316B)		
Sensitivity (12 dB SINAD)		0.25 µV
Selectivity		
Wide	70 dB	70 dB
Narrow	65 dB	62 dB
Intermodulation distortion		
Wide	70 dB	70 dB
Narrow	65 dB	62 dB
Spurious response		70 dB
Audio output		500 mW with less than 5% distortion
TRANSMITTER (Measurements made per EIA-RS 316B)		
RF power output		
HI	5 W	4 W
LO	1 W	1W
Spurious response		70 dB
Modulation		
Wide	16KØF3E	
Narrow	11KØF3E	
FM noise		
Wide	45 dB	
Narrow	40 dB	
Audio distortion		
Wide	Less than 3%	
Narrow	Less than 5%	
Kenwood reserves the right to change specifications and features without prior notice. GE-STAR is a registered trademark of Ericsson Inc. MDC-1200 is a registered trademark of Motorola Inc. LTR® is a registered trademark of Transcript International. FleetSync™ is a registered trademark of Kenwood Corporation.		

Intrinsically Safe Approvals

Certified under safety regulation ANSI/UL-913 for Class I, II and III, Division 1, Groups C, D, E, F and G, as well as Non-Incendive use in Class I, II and III, Division 2, Groups C, D, F and G.

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KENWOOD

TK-280/380 Version 2.0 **FleetSync™**

VHF/UHF FM Portable Radios



■ **TRUNKED FORMAT (TRUNKED & CONVENTIONAL SYSTEMS)**

■ **CONVENTIONAL FORMAT (CONV. WITH PRIORITY SCAN)**

■ **FleetSync™ DIGITAL MESSAGING & SIGNALING**

■ **MULTIPLE SCAN FUNCTIONS**

■ **12 CHARACTER DOT MATRIX LCD**

■ **10 CHARACTER ALPHANUMERIC ALIAS**

■ **BACKLIGHTED KEYS & LCD**

■ **QT & DQT CODED SQUELCH**

■ **SECURITY FEATURES**

■ **FLASH MEMORY ADVANTAGE**

