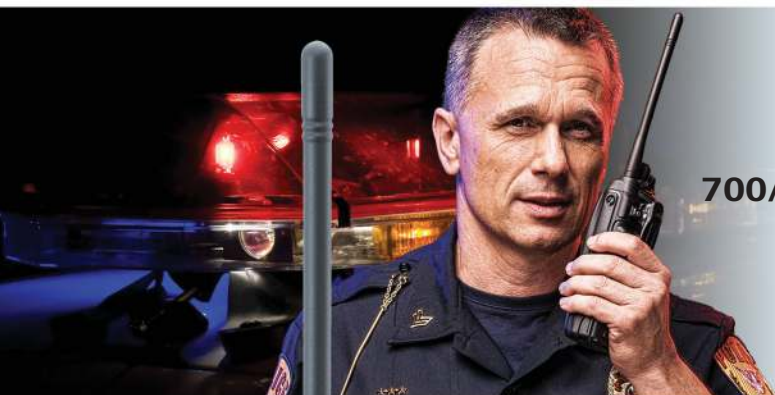


KENWOOD



TK-5410D

700/800MHz FM & P25 Digital Portable Radio



GENERAL FEATURES

- 3 Watt
- 100 Zones / 1024 Channels
- 12-Key Keypad Model
- Personality Lists
- Backlit Dot Matrix LCD
- 16 Character Alphanumeric Aliases
- 3-Digit Sub-Display
- Function / Status LCD Icons
- RSSI Indicator
- Transmit / Busy / Call Alert / Warn LED
- On/Off Volume Knob
- 16-Position Selector Knob
- 2-Position PF Lever Switch
- 3-Position PF Concentric Switch
- 4 Front Menu-Driven PF Keys
- 3 Side PF Keys
- Orange Emergency / AUX Key
- Zone / Ch Voice Announcement
- VOX Ready
- Emergency Features
- Battery Level
- Transceiver Password
- Date & 12/24 Hour Time Clock
- KPG-95DG/DGN Windows(R) FPU
- Flash Firmware Upgrading
- VGS-1 Voice Guide & Storage
- Weather-Sealed Accessory Connector
- MIL-STD-810 C/D/E/F/G
- IP54/55/66 Water & Dust Intrusion
- IP67/68 Immersion

P25 DIGITAL

- P25 Conventional
- P25 Phase 1 Trunking
- P25 Phase 2 Trunking
- AMBE+2™ Enhanced VOCODER
- Talk Group ID Lists
- Individual ID Lists
- Caller ID Display
- Remote Monitor / Check, Radio Inhibit
- Encryption Key Zeroize & Retention
- DES Encryption Module Option
- AES & DES Encryption Module Option
- P25 GPS Location
- P25 OTAR Option

SCAN TYPES (FM & P25)

- Single Zone/Multi-Zone Scan
- Scan Lists
- Conventional Scan
- Limited Talk Group Scan
- Priority Monitor Scan
- Dual Priority Scan

FM

- QT / DQT
- Operator Selectable Tone
- DTMF Encode
- Companded Audio
- NPSPAC Channels



Two models available:

K2: 16-Character LCD, 4 Menu-driven PF Keys

K3: 16-Character LCD, 4 Menu-driven PF Keys, 12-Key DTMF/PF Keypad

(Not actual size)

Options

<ul style="list-style-type: none"> KNB-54N Ni-MH Rechargeable Battery Pack (2500 mAh) 	<ul style="list-style-type: none"> KBP-6 Battery Case 		<ul style="list-style-type: none"> KMC-42WD MIL-STD & IP54/55/67 Speaker Microphone (Future Availability) 		<ul style="list-style-type: none"> KSC-326 Rapid Rate Six Unit Charger for Ni-Cd/Ni-MH/Li-Ion 	
<ul style="list-style-type: none"> KNB-33L Li-ion Rechargeable Battery Pack (2000 mAh) 	<ul style="list-style-type: none"> KSC-32 Tri-chemistry Rapid Charger 		<ul style="list-style-type: none"> KMC-52WD MIL-STD & IP54/55/67 Digital Noise-canceling Speaker Microphone (Future Availability) 		<ul style="list-style-type: none"> KVC-18/20L D.C. Vehicular Charger KVC-18 (for Ni-Cd/Ni-MH) KVC-20L (for Li-ion/Li-Polymer) 	
<ul style="list-style-type: none"> KNB-43L Li-Polymer Rechargeable Battery Pack (3300 mAh) 	<ul style="list-style-type: none"> KPG-93 KVL Device Key Loader Cable 		<ul style="list-style-type: none"> VGS-1 Voice Guide & Storage Unit 		<ul style="list-style-type: none"> KEP-1 Heavy Duty Earphone 	
<ul style="list-style-type: none"> KNB-49PL Primary Lithium Non-Rechargeable Battery (4500 mAh) 	<ul style="list-style-type: none"> KRA-32 700/800 MHz Whip Antenna 				<ul style="list-style-type: none"> KHS-11 2-Wire Palm Mic with Earphone 	

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

Model	TK-5410D
GENERAL	
Models	
4-key w/LCD Model	TK-5410DK2
Full key w/LCD Model	TK-5410DK3
Frequency Range	
Receive	763-776, 851-870 MHz
Transmit	763-776, 793-806, 806-825, 851-870 MHz
Number of Channels	
Zones	1024 100
Max. Channels per Zone	
Channel Spacing	
Analog	12.5 / 25 KHz
Digital	12.5 kHz
PLL Channel Steps	
Operating Voltage	12.5 kHz 7.5 VDC ± 20 %
Battery Life 5-5-90 (10-10-80) duty cycle	
KNB-54N, 7.5 VDC, 2500 mAh	12 hours (8 hours)
KBP-6, AA Alkaline x6 Batteries (@ 1W)	8 hours (5 hours)
Operating Temperature Range	
Frequency Stability	-22° F to +140° F (-30° C to +60° C) ± 1.5 ppm (-22° F to +140° F)
Antenna Impedance	50 Ω
Dimensions (W x H x D) (projections not included)	
with KNB-54N	2.28 x 6.10 x 1.80 in. (58 x 155 x 45.7 mm.)
with KBP-6	2.36 x 6.10 x 1.84 in. (60 x 155 x 46.7 mm.)
Weight (Radio only)	
4-key w/LCD Model	11.64 oz. (330 g)
Full key w/LCD Model	11.64 oz. (330 g)
Weight w/Antenna & Belt Clip (4-Key w/LCD Model)	
with KNB-54N	23.28 oz. (660 g)
FCC ID	ALH468800
IC Certification	282D-468800

Model	TK-5410D
RECEIVER	
Sensitivity	
Digital (5 % BER)	0.25 μV
Digital (1 % BER)	0.40 μV
Analog 12 dB SINAD	0.25 μV
Selectivity	
Digital	-60 dB
Analog @ 25 kHz	-75 dB
Analog @ 12.5 kHz	-64 dB
Intermodulation Distortion	-75 dB
Spurious & Image	-75 dB
Audio Distortion	
Digital	Less than 1.0 %
Analog	Less than 2.0 %
Audio Output	500 mW / 8 Ω
TRANSMITTER	
RF Power Output	3 W / 1 W
Spurious & Harmonics	70 dB
FM Hum & Noise	
Analog @ 25 kHz	45 dB
Analog @ 12.5 kHz	40 dB
Audio Distortion	Less than 2 %
Modulation Limiting	
Analog @ 25 KHz	± 5 kHz
Analog @ NPSKAC	± 4 kHz
Analog @ 12.5 KHz	± 2.5 kHz
Modulation	16K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1V, 14K0F3E

Analog measurements made per TIA/EIA 603 and specifications shown are typical. Digital measurements made per TIA/EIA 102CAA and specifications shown are typical.

Specifications are subject to change without notice, due to advancements in technology.

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Applicable MIL-STD & IP

Standard	MIL 810C Methods/Procedures	MIL 810D Methods/Procedures	MIL 810E Methods/Procedures	MIL 810F Methods/Procedures	MIL 810G Methods/Procedures
Low Pressure	500.1/Procedure I	500.2/Procedure I, II	500.3/Procedure I, II	500.4/Procedure I, II	500.5/Procedure I, II
High Temperature	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
Low Temperature	502.1/Procedure I, II	502.2/Procedure I, II	502.3/Procedure I, II	502.4/Procedure I, II	502.5/Procedure I, II
Temperature Shock	503.1/Procedure I	503.2/Procedure I	503.3/Procedure I	503.4/Procedure I, II	503.5/Procedure I
Solar Radiation	505.1/Procedure I	505.2/Procedure I	505.3/Procedure I	505.4/Procedure I	505.5/Procedure I
Rain	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
Humidity	507.1/Procedure I, II	507.2/Procedure II, III	507.3/Procedure II, III	507.4	507.5/Procedure II
Salt Fog	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4	509.5
Dust	510.1/Procedure I	510.2/Procedure I	510.3/Procedure I	510.4/Procedure I, III	510.5/Procedure I
Vibration	514.2/Procedure VIII, X	514.3/Procedure I	514.4/Procedure I	514.5/Procedure I	514.6/Procedure I
Shock	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
Immersion	512.1/Procedure I	512.2/Procedure I	512.3/Procedure I	512.4/Procedure I	512.5/Procedure I
International Protection Standard					
Dust & Water	IP54/55				
Dust & Water Jet Intrusion	IP66				
Immersion	IP67/68*				

*IP68: 3.3 feet (1m) depth @ 2 hours.

KENWOOD

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