


# KENWOOD

Listen to the Future

## TK-2200P/3200P

Compact VHF/UHF FM Portable Radios



The compact ProTalk® models TK-2200/3200, Kenwood's latest envoy for professional grade job site portables sets the standard on ruggedness, features and performance. The perfect solution for construction, retail, hospitality, warehousing, industrial, facilities management and rental fleet applications. The modern design contours present a functional and attractive form factor.

### COMPACT DESIGN

The ergonomic contours of the ProTalk® naturally fit the hand for a superbly comfortable hold. The non-slip elastomer channel knob and switch torque ensures positive selection and resists accidental changing.

### 2 & 8 CHANNEL MODELS

The ProTalk® 2-channel models satisfy the most common two-way requirements. The 8-channel models provide plenty of capacity for multiple channels or radio systems.

### FREQUENCY & QT/DQT

The ProTalk® VHF (TK-2200) 2 or 8 channel model has 27 pre-stored frequencies while the ProTalk® UHF (TK-3200) 2 or 8 channel model has 56 pre-stored frequencies. Both models have 39 QT tones and 83 DQT codes. Users can program a ProTalk® to any of the pre-stored frequencies and QT/DQT's, assuring compatibility with other brand radios.

\*QT & DQT may also be referred to under other brand acronyms as PL, CG, CTCSS & DPL, DCG, DCS.

### SUPER LOCK

Managers can "Super Lock" all user controls (except PTT and volume) to prevent accidental channel changes.

### WIRELESS CLONING

This wireless feature simplifies the setup of several Protalk® radios to function identically and eliminates repetitive setup actions of individual radios.

### CALLING ALERT

Pressing on the Calling Alert key while transmitting causes an alert tone to sound from the other radio's speaker. This is a useful function to signal staff in noisy environments.

### INTERNAL VOX/HANDS FREE READY

VOX (voice-operated transmission) is invaluable for specialized tasks or events that require repetitive hands-free communications. The radio itself provides automatic PTT action, so the user simply talks. VOX works with a Kenwood-compatible headset.

### TOUGH & WATER RESISTANT

Built tough for rugged work environments, the ProTalk® has been designed to pass industrial drop tests, international IP54/55 water and dust intrusion tests and 11 categories of the U.S. Department of Defense MIL-STD 810 C, D, E & F environmental standards tests.

### 2 WATTS TRANSMIT POWER / RANGE UP to 6 MILES

The ProTalk® offers 2 watts\* of power to enable direct radio-to-radio communication on the same frequency (simplex) for up to 6 miles\*\*.

### ACCESSORIES INCLUDED

- 18-Hour Ni-MH with Battery Pack
- 3-Hour Fast Charger
- Spring Action Belt Clip
- Removable Antenna

### OTHER FEATURES

- Time Out Timer
- Battery Save and Low Battery Warning
- Scan



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# Options

<p>■ <b>KNB-29N</b> Ni-MH Battery Pack (1,500mAh)</p> 	<p>■ <b>KMC-17</b> Speaker Microphone</p> 	<p>■ <b>KHS-8BL</b> 2-wire Palm Mic with Earphone (Black)</p> 	<p>■ <b>KHS-23</b> 2-wire Palm Mic</p> 
<p>■ <b>KSC-31</b> Fast Charger (3-Hour)</p> 	<p>■ <b>KMC-21</b> Compact Speaker Microphone</p> 	<p>■ <b>KHS-8BE</b> 2-wire Palm Mic with Earphone (Beige)</p> 	<p>■ <b>KHS-25</b> Behind-the-head Headset with PTT</p> 
<p>■ <b>KRA-23</b> UHF Low Profile Helical Antenna</p> 	<p>■ <b>KEP-2</b> Earphone Kit for KMC-17 (2.5mm plug)</p> 	<p>■ <b>KHS-22</b> Behind-the-head Headset with PTT</p> 	<p>■ <b>KMB-25</b> Six Unit Charger Adapter (for six KSC-31 chargers; (chargers not included)</p> 
<p>■ <b>KRA-27</b> UHF Whip Antenna</p> 	<p>■ <b>KHS-7</b> Single Muff Headset</p> 	<p>■ <b>EMC-3</b> Clip Microphone with Earphone</p> 	<p>■ <b>KBH-10</b> Belt Clip</p> 
<p>■ <b>KRA-17</b> UHF Stubby Antenna</p> 	<p>■ <b>KHS-7A</b> Single Muff Headset with In-line PTT</p> 	<p>■ <b>HMC-3</b> Headset with PTT Built-in Vox</p> 	<p>■ <b>KWR-1</b> Water Resistance Bag</p> 
			<p>■ <b>KLH-126</b> Nylon Case</p> 

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-2200 VHF	TK-3200 UHF
<b>GENERAL</b>		
Frequency Range	150-174 MHz	450-470 MHz
Number of Channels		
K Type		2
K2 Type		8
Channel Spacing		
Wide/Narrow	25, 30kHz/12.5, 15kHz	25kHz/12.5kHz
Channel Step	2.5, 5, 6.25, 7.5kHz	5, 6.25kHz
Operating Voltage	7.5V DC±20%	
Battery Life (5-5-90 duty cycle) with KNB-29N (1500mAh)	14 hours (Battery Saver Off) 18 hours (Battery Saver On)	
Operating Temperature Range	-22°F ~ +140°F (-30°C ~ +60°C)	
Frequency Stability	±2.5ppm (-22°F ~ +140°F)	
Antenna Impedance	50 Ω	
Channel Frequency Spread	24MHz	20MHz
Dimensions (W x H x D), Projections not Included		
Radio Only	2.13" x 4.8" x 0.83" (54 x 122 x 21.1mm)	
with KNB-29N	2.13" x 4.8" x 1.30" (54 x 122 x 33mm)	
Weight (net)		
Radio Only	5.6oz (160g)	
with KNB-29N	12.7oz (360g)	
FCC ID	ALH36913120	ALH36923130
FCC Compliance	Parts 22/74/90	Parts 90/95

Model	TK-2200 VHF	TK-3200 UHF
<b>RECEIVER (Measurements made per TIA/EIA-603)</b>		
Sensitivity (12dB SINAD)		
Wide/Narrow		0.25µV/0.28µV
Selectivity		
Wide/Narrow		70dB/60dB
Intermodulation Distortion		
Wide/Narrow		65dB/60dB
Spurious Response	65dB	60dB
Audio Output	500mW with less than 10% distortion	
<b>TRANSMITTER (Measurements made per TIA/EIA-603)</b>		
RF Power Output		
High/Low	2W/1W	2W/1W
Spurious Response	65dB	
Modulation		
Wide/Narrow	16K0F3E/11K0F3E	
FM Noise		
Wide/Narrow	45/40dB	
Audio Distortion	Less than 5%	

Kenwood follows a policy of continuous advancement in development.  
For this reason specifications may be changed without notice.

FleetSync® is a registered trademark of Kenwood Corporation.  
All other trademarks are property of their respective owners.

# Applicable MIL-STD & IP

Standard	MIL 810C Methods/Procedures	MIL 810D Methods/Procedures	MIL 810E Methods/Procedures	MIL 810F Methods/Procedures
Low Pressure	500.1/Procedure I	500.2/Procedure I, II	500.3/Procedure I, II	500.4/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
Low Temperature	502.1/Procedure I	502.2/Procedure I, II	502.3/Procedure I, II	502.4/Procedure I, II
Temperature Shock	503.1/Procedure I	503.2/Procedure I	503.3/Procedure I	503.4/Procedure I, II
Solar Radiation	505.1/Procedure I	505.2/Procedure I	505.3/Procedure I	505.4/Procedure I
Rain	506.1/Procedure I, II	506.2/Procedure I, II	506.3/Procedure I, II	506.4/Procedure I, III
Humidity	507.1/Procedure I, II	507.2/Procedure II, III	507.3/Procedure II, III	507.4
Salt Fog	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4
Dust	510.1/Procedure I	510.2/Procedure I	510.3/Procedure I	510.4/Procedure I, III
Vibration	514.2/Procedure VIII, X	514.3/Procedure I	514.4/Procedure I	514.5/Procedure I
Shock	516.2/Procedure I, II, V	516.3/Procedure I, IV	516.4/Procedure I, IV	516.5/Procedure I, IV
<b>International Protection Standard</b>				
Dust & Water Protection	IP54/55			

\*To meet MIL 810 and IP grade, the 2-pin connector cover has to be connected.

# KENWOOD

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