

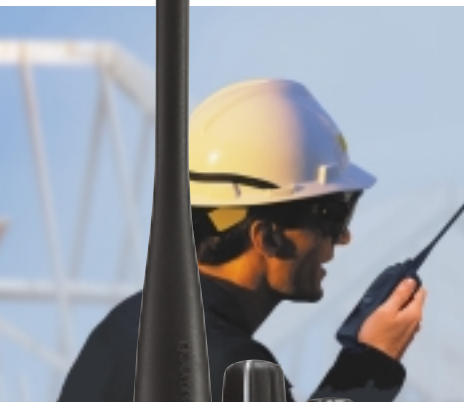
KENWOOD

ProTalk®

TK-2200/3200

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. *(Dealer function only)*

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**.

Conditions	ProTalk®
Open areas without obstructions	Up to 6 miles (9.6 km)
Residential areas (near buildings)	Up to 1.5 miles (2.4 km)
In steel and/ or concrete reinforced buildings	Up to 250,000Sq. Ft (23,220 Sq. m)
In high-rise buildings	Up to 20 floors

*For some frequencies, power may be limited to 1 watt.

**Talk range will vary based on terrain, conditions and type of radio.
























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
- Low Battery Warning
- Scan

Options

<p>KNB-29N Ni-MH Battery Pack (1,500mAh)</p> 	<p>KRA-16 VHF Stubby Antenna</p> 	<p>KHS-7A Single Muff Headset with In-line PTT</p> 	<p>HMC-3 Headset with PTT Built-in Vox</p> 
<p>KSC-31 Fast Charger (3-Hour)</p> 	<p>KRA-17 UHF Stubby Antenna</p> 	<p>KHS-8BL 2-wire Palm Mic with Earphone (Black)</p> 	<p>KHS-23 2-wire Palm Mic</p> 
<p>KRA-22 VHF Low Profile Helical Antenna</p> 	<p>KMC-17 Speaker Microphone</p> 	<p>KHS-8BE 2-wire Palm Mic with Earphone (Beige)</p> 	<p>KMB-21 Six Unit Charger Adapter (for six KSC-31 chargers; (chargers not included)</p> 
<p>KRA-23 UHF Low Profile Helical Antenna</p> 	<p>KMC-21 Compact Speaker Microphone</p> 	<p>KHS-22 Behind-the-head Headset with PTT</p> 	<p>KBH-10 Belt Clip</p> 
<p>KRA-26 VHF Helical Antenna</p> 	<p>KEP-2 Earphone Kit for KMC-17/21 (2.5mm plug)</p> 	<p>EMC-3 Clip Microphone with Earphone</p> 	<p>KWR-1 Water Resistance Bag</p> 
<p>KRA-27 UHF Whip Antenna</p> 	<p>KHS-7 Single Muff Headset</p> 	<p>KLH-126 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
GENERAL		
Pre-set Frequencies	27	56
Number of Channels		
K Type		2
K2 Type		8
Channel Spacing		
Wide/Narrow	25, 30kHz/12.5, 15kHz	25kHz/12.5kHz
Operating Voltage	7.5V DC±20%	
Battery Life (5-5-90 duty cycle) with KNB-29N (1500mAh)	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	50Ω	
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)	
FCCID	ALH36913120	ALH36923130
FCC Compliance	Parts 22/74/90	Parts 90/95

Model	TK-2200 VHF	TK-3200 UHF
RECEIVER (Measurements made per TIA/EIA-603)		
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	
TRANSMITTER (Measurements made per TIA/EIA-603)		
RF Power Output*		
High/Low	2W/1W	2W/1W
Spurious Response	65dB	
Modulation		
Wide/Narrow	16KØF3E/11KØF3E	
FM Noise		
Wide/Narrow	45/40dB	
Audio Distortion	Less than 5%	

*For some frequencies, only lower power may be selected.

Kenwood reserves the right to change specifications and features without prior notice.

ProTalk® is a registered trademark of Kenwood Corporation in the United States and/or other countries.

Applicable MIL-STD

Military Standards	Methods/Procedures MIL-STD 810C	Methods/Procedures MIL-STD 810D	Methods/Procedures MIL-STD 810E	Methods/Procedures MIL-STD 810F
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

*Rain (Drip/Blowing Rain): assumes that the supplied accessory jack cover or a Kenwood audio accessory is installed.

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