

KENWOOD

Listen to the Future



ProTalk[®]

TK-2202LV16P/3202LU16P

Compact VHF/UHF FM Portable Radio



Kenwood's compact TK-2202LV16P/TK-3202LU16P transceivers, based on a proven design, represents ergonomic excellence. Pick one up and you'll immediately appreciate how easy it is to use. Powerful too: equipped with scan, and built-in VOX, it offers reliable performance in all conditions, thanks to MIL-STD 810 & IP54/55 weather-proofing. Indoors or out, rain or shine, the smart new high powered ProTalk on-site radios are star performers!

COMPACT DESIGN

The ProTalk's rounded ergonomic contours naturally fit the hand for a superbly comfortable hold, while the non-slip elastomer channel knob with improved torque characteristics ensures positive select operation.

INTERNAL VOX/HANDS FREE READY

Enjoy the convenience of hands-free operation using any optional headset accessory. The internal VOX (voice-operated transmission) provides PTT control with the simple act of talking. VOX is great for specialized tasks and events where hands-free, constant or repetitive communications are necessary (10-level sensitivity adjustment).

FUNCTION KEYS

The two side PF1 and PF2 keys make functions easily available on the TK-2202LV16P/TK-3202LU16P, with PF1 key for activating the Lock function and PF2 key for Scan w/temp delete function permitting a custom usage for specific users.

LOCK

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

SCAN

Scanning is a simple way to monitor multiple channels and the TK-2202LV16P/TK-3202LU16P (16-channel capacity) offers scan modes.

VOICE ANNUNCIATION

When you select different channels, these ProTalk radios can be set to provide voice annunciation channel numbers.

WIRELESS CLONING

This wireless feature simplifies the setup of several radios to function identically and eliminates repetitive setup actions of individual radios. (Dealer function only)

ACCESSORIES INCLUDED

- 12-Hour Li-Ion Battery
- 3-Hour Fast Charger
- Spring Action Belt Clip
- Removable Antenna

OTHER FEATURES

- Weights only 9.9 oz
- Time Out Timer
- Low Battery Warning
- 2 Year Warranty

Options

<ul style="list-style-type: none"> KNB-45L Li-Ion Battery Pack (2000 mAh) KSC-35K Fast Charger (3-Hour) KRA-17 UHF Stubby Antenna KRA-22 VHF Low Profile Helical Antenna KRA-23 UHF Low Profile Helical Antenna KRA-26 VHF Helical Antenna KRA-27 UHF Whip Antenna 	<ul style="list-style-type: none"> KMC-17 Speaker Microphone KMC-21 Compact Speaker Microphone KEP-2 Earphone Kit for KMC-17 (2.5mm plug) KHS-7 Single-Muff Headset KHS-7A Single-Muff Headset with In-line PTT KHS-8BL 2-wire Palm Mic with Earphone (Black) 	<ul style="list-style-type: none"> KHS-8BE 2-wire Palm Mic with Earphone (Beige) KHS-22 Behind-the-head Headset with PTT KHS-23 2-wire Palm Mic KHS-25 D-Ring Ear Hanger with PTT & Boom Mic KHS-26 Earbud In-line PTT Headset KHS-27 D-Ring In-line PTT Headset 	<ul style="list-style-type: none"> HMC-3 Headset with PTT Built-in Vox KMB-25 Six Unit Charger Adapter KMB-28 Six Unit Charger Adapter for six KSC-35K chargers KBH-10 Belt Clip KWR-1 Water Resistance Bag KLH-126 Nylon Case
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Specifications

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.

Model	TK-2202LV16P	TK-3202LU16P
GENERAL		
Frequency Range	Type 1 136-174 MHz	450-490 MHz
Number of Channels	16	
Channel Spacing	Wide/Narrow 25, 30 kHz/12.5, 15 kHz	25 kHz/12.5 kHz
Channel Step	2.5, 5, 6.25, 7.5 KHz	5, 6.25 KHz
Operating Voltage	7.5V DC±20%	
Battery Life (5-5-90 duty cycle with battery saver off)	Approx. 12 hours	
Operating Temperature Range	-22°F ~ +140°F (-30°C ~ +60°C)	
Frequency Stability	±2.5ppm (-22°C ~ +140°C)	
Antenna Impedance	50 Ω	
Channel Frequency Spread	Type 1 38 MHz	40 MHz
Dimensions (W x H x D), Projections not included	Radio Only 2.13" x 4.8" x 0.83" (54x122x21.1 mm)	
	with KNB-45L 2.13" x 4.8" x 1.30" (54x122x33 mm)	
Weight (Net)	Radio Only 5.6oz (160g)	
	with KNB-45L 9.9oz (280g)	
FCC ID	Type 1 ALH36913210	ALH36923210
IC Certification	Type 1 282D-36913210	282D-36923210

Model	TK-2202LV16P	TK-3202LU16P
RECEIVER (Measurements made per TIA/EIA-603)		
Sensitivity (12dB SINAD)		
Wide	0.25 μV	
Narrow	0.28 μV	
Selectivity		
Wide	70 dB	
Narrow	60 dB	
Intermodulation Distortion		
Wide	65 dB	
Narrow	60 dB	
Spurious Response	65 dB	60 dB
Audio Output	500mW with less than 10% distortion	
TRANSMITTER (Measurements made per TIA/EIA-603)		
RF Power Output		
High	5 W	4 W
Low	1 W	1 W
Spurious Response	65 dB	
Modulation		
Wide	16KØF3E	
Narrow	11KØF3E	
FM Noise		
Wide	45 dB	
Narrow	40 dB	
Audio Distortion	Less than 5%	

Applicable MIL-STD & IP

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

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
International Protection Standard				
Dust & Water Protection	IP54/55			

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

TK-2202LV16P Frequencies

Channel	Frequency	Code (Hz)	Channel	Frequency	Code (Hz)
1	151.6250	67.0	9	151.9550	179.9
2	151.6250	77.0	10	151.9550	100.0
3	151.6250	88.5	11	154.4900	67.0
4	151.6250	179.9	12	154.5150	67.0
5	151.6250	100.0	13	151.5125	67.0
6	151.9550	67.0	14	151.6850	67.0
7	151.9550	82.5	15	151.7000	67.0
8	151.9550	94.8	16	151.7600	67.0

TK-3202LU16P Frequencies

Channel	Frequency	Code (Hz)
1	464.5000	67.0
2	464.5000	77.0
3	464.5000	88.5
4	464.5000	179.9
5	464.5000	100.0
6	464.5500	67.0
7	464.5500	82.5
8	464.5500	94.8
9	464.5500	179.9
10	464.5500	100.0
11	467.8125	67.0
12	467.8500	67.0
13	467.8750	67.0
14	467.9000	67.0
15	461.1875	67.0
16	461.2125	67.0

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