

# KENWOOD

Listen to the Future

## TK-3202LU16P

Compact UHF FM Portable Radio

Kenwood's compact TK-3202LU16P transceiver, 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 weatherproofing. Indoors or out, rain or shine, the smart new TK-3202LU16P is a star performer!

### COMPACT DESIGN

The TK-3202LU16P'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-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-3202LU16P (16-channel capacity) offers scan modes.

### VOICE ANNUNCIATION

When the channel turns and selected other channel, TK-3202LU16P will tell you channel number.

### 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

- 22-Hour Li-Ion with Battery Save Mode On
- 3-Hour Fast Charger
- Spring Action Belt Clip
- Removable Antenna

### OTHER FEATURES

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



## Options

### ■ KNB-45L

Li-Ion Battery Pack  
(2000 mAh)



### ■ KSC-35K

Fast Charger (3-Hour)



### ■ KRA-23

UHF Low Profile  
Helical Antenna



### ■ KRA-27

UHF Whip Antenna



### ■ KRA-17

UHF Stubby Antenna



### ■ 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)



### ■ KHS-8BE

2-wire Palm Mic  
with Earphone (Beige)



### ■ KHS-22

Behind-the-head  
Headset with PTT



### ■ EMC-3

Clip Microphone  
with Earphone



### ■ HMC-3

Headset with PTT  
Built-in Vox



### ■ KHS-23

2-wire Palm Mic



### ■ KMB-25

Six Unit Charger  
Adapter (for six  
KSC-35K chargers;  
chargers not included)



### ■ KBH-10

Belt Clip



### ■ KWR-1

Water Resistance Bag



### ■ KLH-126

Nylon Case



## 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-3202LU16P
<b>GENERAL</b>	
Frequency Range	
Type 1	450-490 MHz
Number of Channels	16
Channel Spacing	
Wide/Narrow	25kHz/12.5kHz
Channel Step	5, 6.25kHz
Operating Voltage	7.5V DC±20%
Battery Life (5-5-90 duty cycle)	
with KNB-45L (2000mAh)	22 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	
Type 1	40MHz
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-45L	2.13" x 4.8" x 1.30" (54 x 122 x 33mm)
Weight (net)	
Radio Only	5.6oz (160g)
with KNB-45L	9.9oz (280g)
FCC ID	
Type 1	ALH36923210
IC Certification	
Type 1	282D-36923210

Model	TK-3202LU16P
<b>RECEIVER (Measurements made per TIA/EIA-603)</b>	
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	60dB
Audio Output	500mW with less than 10% distortion
<b>TRANSMITTER (Measurements made per TIA/EIA-603)</b>	
RF Power Output	
High	4 W
Low	1 W
Spurious Response	65dB
Modulation	
Wide	16KØF3E
Narrow	11KØF3E
FM Noise	
Wide	45 dB
Narrow	40 dB
Audio Distortion	Less than 5%

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

## 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.

## Frequency/Code Table

Channel	Frequency	Code (Hz)
	<b>TK-3202U8P-UHF</b>	
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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