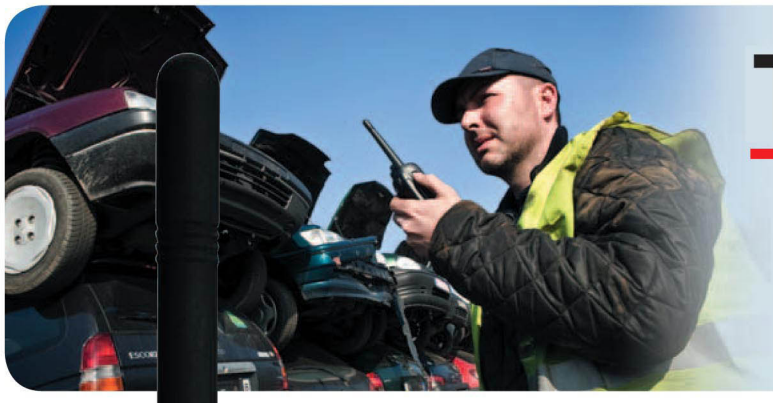
KENWOOD

Listen to the Future



TK-2317/3317NS

VHF/UHF FM Portable Radios

IP54/55 COMPLIANT · US MIL-STD 810C/D/E/F/G COMPLIANT · FleetSync® by KENWOOD

The new TK-2317/3317NS is thin and compact yet packed with features for intuitive operation, impressive performance, and all-weather reliability. Nine programmable function keys allow for customized convenience, and Kenwood's renowned audio clarity means the message gets through loud and clear.

UHF WIDE BAND COVERAGE

Offering extensive frequency coverage – 70MHz for UHF – the TK-2317/3317NS is ideal for a wide range of applications.

128 CHANNELS / 128 ZONES

The 128-channel, 128-zone capacity is ample for any current or future requirement in any radio system.

5W OUTPUT POWER

Output is 5W for both VHF and UHF.

GPS CONNECTIVITY

Combined with the optional KMC-48GPS Speaker Mic, the TK-2317/3317NS can function as a mobile station for Kenwood's AVL system.

9 PF KEYS

9 programmable functions keys (7 in the front and 2 on the side) allow operation to be customized to fit specific requirements.

EASY OPERATION

Seven frontal PF keys provide easy one-touch operation. And the 8-character, 13-segment backlit LCD with icons – including a new RSSI display – makes channel information or FleetSync® messaging easy to read, day or night.

4-COLOR LED INDICATOR

In addition to the red/orange/green LED indicators, a blue LED has been added for quick visual confirmation.

SIGNALING

▮ QT / DQT / DTMF ▮ FleetSync® PTT ID, SelCall
▮ 2-tone (encode/decode) ▮ Built-in MDC-1200 signaling

FleetSync® and MDC-1200 signaling can be independently selected for each zone. Switching between them is as simple as changing zones.

EMERGENCY FUNCTION

For hazardous/hostile environments, side PF keys can be programmed for Emergency use to transmit an alert to a predetermined person or group using DTMF, FleetSync® or MDC-1200 signaling.

ROBUST & WATER-RESISTANT

The tough TK-2317/3317NS has passed the demanding IP54/55 tests, even with the optional speaker microphone KMC-45 attached (locking bracket required). It also meets or exceeds 11 MIL-STD 810 C/D/E/F/G environmental standards, including "blowing rain".

CLEAR & CRISP, ENHANCED AUDIO

As an experienced audio specialist, Kenwood has decades of expertise that is reflected in every Kenwood radio – from component selection and construction to optimization, evaluation and analysis. The resulting audio performance, specially engineered for transceivers, is undeniably clearer and crisper. Just listen to the difference.

OTHER FEATURES

- Radio stun • Priority scan
- Channel / Zone delete & add • Key lock
- Compander / VOX / Setting per channel
- VOX • T.O.T • Busy channel lockout
- Operator-selectable tone • Password protection
- Wireless clone • Self-programming mode
- Talk around • Compatible with TK-2212/3212 batteries

Options

- **KNB-45L** Li-Ion Battery Pack (2,000 mAh)
- **KNB-53N** Ni-MH Battery Pack (1,400 mAh)
- **KNB-29N** Ni-MH Battery Pack (1,500mAh)
- **KSC-31** Charger for KNB-53N/29N
- **KSC-35** Rapid Charger for KNB-45L
- **KSC-316/356** 6 Pocket Multiple Charge
- **KRA-22/23** VHF/UHF Low Profile Helical Antenna
- **KRA-26/27** VHF Helical Antenna/ UHF Whip Antenna
- **KMC-48GPS** GPS Speaker Microphone
- **KMC-45** Speaker Microphone
- **KMC-21** Compact Speaker Microphone
- **KHS-1** Headset with VOX/PTT
- **KHS-7/7A** Single-Muff Headset
- **KHS-8BL** 2-Wire Palm Microphone (Black)
- **KHS-9BL** 3-Wire Lapel Microphone with Earphone (Black)
- **KHS-10-OH** Noise-Reduction Headset with Noise-Cancelling Microphone
- **KHS-21** Headset
- **KEP-2** Earphone Kit (2.5 mm plug)
- **KWR-1** Water Resistant Bag
- **KBH-10** Belt Clip

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

	TK-2317	TK-3317
GENERAL		
Frequency Range		
Type 1	136 - 174 MHz	450 - 520 MHz
Type 2	—	400 - 470 MHz
Number of Channels / Zones	128 / 128	
Channel Spacing		
Wide / Narrow	25 / 12.5 kHz	
Operating Voltage	7.5 V DC ±20 %	
Battery Life (5-5-90 duty cycle, save off / on)		
with KNB-45L (2000 mAh)	Approx. 12 hours / Approx. 18 hours	
with KNB-53N (1400 mAh)	Approx. 9 hours / Approx. 12 hours	
with KNB-29N (1500 mAh)	Approx. 10 hours / Approx. 14 hours	
Operating Temperature Range	-30°C ~ +60°C	
Frequency Stability	±2.5 ppm (-30°C ~ +60°C)	
Antenna Impedance	50 Ω	
Channel Frequency Spread	38 MHz	70 MHz
Dimensions (W x H x D), Projections not Included		
Radio only	54 x 122 x 21 mm	
with Battery	54 x 122 x 33.7 mm	
Weight (net)		
Radio only	Approx. 180 g	
with KNB-45L	Approx. 300 g	
with KNB-53N	Approx. 365 g	
with KNB-29N	Approx. 380 g	
FCC ID		
Type 1	ALH413700	ALH413800
Type 2	—	ALH413801
FCC Compliance	Parts 22 / 74 / 90	Parts 22 / 74 / 90
Australia / New Zealand	AS / NZS 4295	

	TK-2317	TK-3317
RECEIVER		
Sensitivity (12 dB SINAD)		
Wide / Narrow	0.25 µV / 0.28 µV	
Selectivity		
Wide / Narrow	70 dB / 60 dB	
Intermodulation Distortion		
Wide / Narrow	70 dB / 60 dB	
Spurious Response	70 dB	
Audio Distortion	Less than 5 %	
Audio Output	500 mW / 8 Ω	
TRANSMITTER		
RF Output Power (High / Low)	5 W / 1 W	
Spurious Response	70 dB	
FM Hum & Noise		
Wide / Narrow	45 dB / 40 dB	
Audio Distortion	Less than 5 %	
Modulation		
Wide / Narrow	16K0F3E / 11K0F3E	

Measurements made per TIA/EIA 603 and specifications shown are typical.
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.

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	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

International Protection Standard	
Dust & Water Protection	IP54
	IP55

Listen to the Future

Kenwood has always connected with people through sound. Now we want to expand the world of sound in ways that only Kenwood can, listening to our customers and to the pulse of the coming age as we head toward a future of shared discovery, inspiration and enjoyment.

Kenwood Electronics U.K. Ltd.
Kenwood House, Dwight Road, Watford, Herts, WD18 9EB, United Kingdom
www.kenwood-electronics.co.uk

ISO9001 Registered
Communications Equipment Division
Kenwood Corporation