KENWOOD

Listen to the Future

COMPACT VHF/UHF FM Portable Radios

- Tough and Water Resistant with MIL-STD 810 Standards
- Emergency Functions
- Radio Stun
- Lone Worker

FleetSync®

TK-2307/3307

A Model of Excellence

For clear, reliable communications indoors or out, rain or shine, there's no beating Kenwood's compact TK-2307/3307 transceiver. Based on a proven design, but refined and updated with enhanced features, it has the power and performance to satisfy even the toughest job requirements, due in part to the MIL-STD 810 & IP54/55 weather-proofing. A model of ergonomic excellence on the outside, inside it's packed with such intelligent features as emergency function, lone worker, radio stun, priority scan, built-in VOX and a voice scrambler. No wonder the smart new TK-2307/3307 is attracting such attention from the industry.

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Optional Accessories

KNB-45L
Li-Ion Battery Pack (2000 mAh)

KNB-29N
Ni-MH battery Pack (1500 mAh)

KSC-31
Rapid Charger for KNB-29N

KSC-35
Rapid Charger for KNB-45L

KSC-316
6 Pocket Multiple Charger for KNB-29N

KSC-356
6 Pocket Multiple Charger for KNB-45L

KRA-22/23
VHF/UHF Low Profile Helical Antenna

KRA-26/27
VHF/UHF Whip Antenna

KMC-45
Speaker Microphone

KMC-21
Compact Speaker Microphone

KHS-1
Headset with VOX/PTT

KHS-21
Headset

KHS-25
Headset with D-Ring Ear Hanger & Boom Mic/PTT

KHS-26
Clip Microphone with Earphone

KHS-27
Headset with Ear Hanger

KAS-10
AVL & Dispatch Software

KBH-10
Belt Clip

Specifications

	TK-2307	TK-3307
GENERAL		
Frequency Range		
Type 1	136 - 174 MHz	450 - 490 MHz
Type 2	—	440 - 480 MHz
Number of Channels	Max.16	
Channel Spacing		
Wide / Narrow	25 kHz / 12.5 kHz	
Battery Voltage	7.5 V DC ±20 %	
Battery Life (5-5-90 duty cycle, during hi-power battery saver: OFF/ON)		
with KNB-45L (2000 mAh)	Approx. 12 hours / 18 hours	
with KNB-29N (1500 mAh)	Approx. 10 hours / 14 hours	
Operating Temperature Range*	-30°C ~ +60°C	
Frequency Stability	±2.5 ppm (-30°C ~ +60°C)	
Antenna Impedance	50 Ω	
Dimensions (W x H x D), Projections not Included		
with KNB-45L / 29N	54 x 122 x 33.8 mm	
Weight (net)		
Radio only	160 g	
with KNB-45L	280 g	
with KNB-29N	360 g	

*-10°C ~ +60°C when KNB-29N or KNB-45L in use.

	TK-2307	TK-3307
RECEIVER		
Sensitivity		
EIA 12 dB SINAD	0.25 µV / 0.28 µV	
Wide / Narrow		
Adjacent Channel Selectivity		
Wide / Narrow	70 dB / 60 dB	
Intermodulation		
Wide / Narrow	65 dB / 60 dB	
Spurious Response Rejection	65 dB	60 dB
Audio Output (4 Ω impedance)	500 mW with less than 10 % distortion	
Measurement	TIA/EIA-603	
TRANSMITTER		
RF Power Output (High/Low)	5 W / 1 W	4 W / 1 W
Modulation Limiting	±5.0 kHz at 25 kHz ±2.5 kHz at 12.5 kHz	
Spurious Emission	65 dB	
Modulation		
Wide / Narrow	16K0F3E / 11K0F3E	
FM Noise (EIA)		
Wide / Narrow	45 dB / 40 dB	
Modulation Distortion	Less than 5 %	
Microphone Impedance	2 kΩ	
Measurement	TIA/EIA-603	

Kenwood follows a policy of countinuous advancement in development.
For this reason specifications may be changed without notice.
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Applicable MIL-STD

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	500.3/Procedure I	500.4/Procedure I, II
High Temperature	501.1/Procedure I, II	501.2/Procedure I, II	501.3	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, II
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 II	507.2/Procedure II	507.3/Procedure II	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 Cat. 8	514.4/Procedure I Cat. 8	514.5/Procedure I Cat. 20
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 IP54/55, the 2-pin connector cover has to be connected on the radio; the locking bracket has to be attached to the KMC-45 external speaker microphone.

ISO9001 FM34304 JQA-1205
Communications Equipment Division
Kenwood Corporation
ISO9001 certification