



TK-7302/8302

VHF/UHF Compact FM Mophe har os









Kenwood's new TK-7302/8302 delivers reliable mobile performance with extra wideband coverage (UHF: 70MHz) and such features as QT/DQT signalling, multiple scan functions and a voice inversion scrambler. Yet this tough IP54/MIL-STD-compliant radio is decidedly user-friendly, providing high-quality audio, voice announcement, and a large display with adjustable brightness for simple operation, day and night.

16 CHANNELS, 2 ZONES

The TK-7302/8302 offers ample capacity for multiple channels and radio systems: 16 channels and 2 zones. And once it is programmed, users can select specific channels within a set range.

ENHANCED KENWOOD AUDIO

As an audio specialist, Kenwood can draw on decades of expertise at every step: component selection, construction, optimization, evaluation and analysis. The resulting audio performance - specially engineered for transceivers and with frequency response optimized the human voice – is undeniably clearer and c sper.

EXTERNAL D-SUB 15-PIN INTER 'ACE

A D-sub 15-pin terminal enables the sing. Innection of various types of external equipment. It can e used for Ignition sense, External with, Horn Alert, and

External Mic, among others. A Molex interface is a 30 available with the optional KCT-60M cable



MULTIPLE SIGNALLING I QT/DQT/DTMF

Encoder/decoder function uses QT/DQT to segregate talk groups, so users only hear calls from their own group. DTMF PTT ID is included for dispatch operations or fo a simple remote control application.

■ FleetSync® PTT ID, SelCall & Status

Utilizing Kenwood's FleetSync® signalling protunt, the TK-7302/8302 has PTT ID (ANI: auton tic , mbei identification) and Selective Calling cap bilities for managed dispatch operations Program d Status (by FPU) can also be sent.

■ 5-Tone

The TK-7302/8302 includes _ The selective calls in 6-different for: 5 s, EIA, EEA, CCIR, ZVEI, ZVEI2 and the Kenwood format, and it also can include GPS position data.

Eme gency alert

Frazar stile duty environments, a PF key can be programmed for emergency use to alert the dispatcher or other group members via DTMF, FleetSync®.

ROGRAMMABLE VOICE INVERSION SCRAMBLER"

The built-in programmable voice inversion scrambler provides basic protection against casual eavesdropping. It is possible to have a unique scrambler setting for each channel by picking the voice inversion frequency from one of 16 tables.

GPS FEATURE

Connected to an external GPS receiver, the TK-7302/8302 can transmit accurate vehicle location data to the central base station for fleet management purposes. Designated scrambler and GPS modules can be installed internally.

PROGR, MAR ABLE BLUE LED

.... uue ED indicator can be custo lized to provide useful status information. For example, it can be used combination with the o inge LED for Selective call differentiation.



LONE WORKER

This ingenious feature provides an extra layer of security for individuals who work in remote or hazardous areas. If there is a long lapse (programmable), it will sound an alert. And if the user does not respond to the alert, the TK-7302/8302 will place an emergency call to a predetermined person or group.

OTHER FEATURES

- · Multiple Scan Functions, including Priority Scan · Voting (automatic repeater search & selection) • Independent Setting Per Channel (compander, scrambler) • BCL (Busy Channel Lockout) • 9 Programmable Function Keys • Talk Around • Horn Alert Function • Companded Audio (narrow/wide) • 3-colour LED (red, orange, green)
- language between English, Spanish, French, German, Italian, Dutch, Russian and Chinese) • Password Protection
- Time-out Timer Minimum Volume Setting (by FPU)
- Operator Selectable Tone Settings
 Embedded Message
- 8 Programmable Accessory Ports (for external control)
- Scan Del/Add Function
 Kenwood ESN (Electronic Serial Number) • Radio Stun • Adjustable Microphone Gain (FPU only): High/Normal . Microsoft Windows® PC Programming & Tuning
- *1 This function cannot be used in certain countries Please contact your Kenwood dealer for further information,



Options



■ KMB-10

Key Lock Adapter



All accessories and option hay not a wailable in all markets. Contact an authorized Kenwood dealer for detail and comple and of all accessories and options.

Specifications

■ KMC-32 16-key Keypad Microphone

	TK-7302	TK-8302	
GENERAL			
Frequency Range Type 1 Type 2	136~174 MHz -	_ 400~470 MHz	
Number of Channels Zone Channel	2 Max.16		
Channel Spacing	12.5 / 20 / 25 kHz		
Operating Voltage	13.6 V DC±15 %		
Current Drain Standby Receive Transmit	03A 10A 80A		
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	160 mm x 43 r	mm x 122.6 mm	
Weight (net)	1.18 kg		
Applicable Standards ETSI R & TTE ETSI Safety		, N 300 19, EN 01 489	

Measurements made per EN Standards. Specifications shown are typical. Radios meet applicable equilatory requirements

	Th = 32	TK-8302		
RECEIVER	Manager Manage			
Sensitivity EIA 12 dB SINAD EN 20 dB SINAC	0.28 μV / 0.28 μV / 0.35 μV -3 dB μV (0.35 μV) / -3 dB μV (0.35 μV) / -2 dB μV (0.40 μV)			
Selectivity Wide / 4K / Nai. v	70 dB / 70	70 dB / 70 dB / 60 dB		
Intermodulat on Dia ortion	65 dB			
Spullius Re. onse	70 dB			
Audio tout (4 \(\text{mpe} \) nce)	4 W with less than 5 % distortion			
TRAN MITI R				
hi 'tu't Power	5 W ~ 25 W			
Spurious 'esponse	-36 dBm -30 dBm			
1 Hum & Noise Wide / 4K / Narrow	45 dB / 43	dB / 40 dB		
Audio Distortion (EIA)	Less that	an 3 %		
Modulation	16K0F3E,14K0F3E,8K50F3E 14K0F2D,12K0F2D,7K50F2D			

Kenwood reserves the right to change specifications and features without prior notice. FleetSync® is a trademark of Kenwood Corporation. Windows® is a registered trademark of Microsoft Corporation in the United States and other countries.

Applicable MIL-STD & IP

Standard	MIL 310C Met ods/F ocedures	MIL 810D Methods/Procedures	MIL 810E Methods/Procedures	MIL 810F Methods/Procedures
Low Pressure	50 \.1 /edure	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. / Procedure I	502.2 / Procedure I, II	502.3 / Procedure I, II	502.4 / Procedure I, II
Temperature Shoc	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*2	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 ^{*2}	509.1 / Procedure I	509.2 / Procedure I	509.3 / Procedure I	509.4
Dust*2	510.1 / Procedure I	510.2 / Procedure I	510.3 / Procedure I	510.4 / Procedure I, III
Vibrat. on	514.2 / Procedure VIII, X	514.3 / Procedure I	514.4 / Procedure I	514.5 / Procedure I
Shock	516.2 / Procedure I, II, III, V	516.3 / Procedure I, IV, V	516.4 / Procedure I, IV, V	516.5 / Procedure I, IV, V
I iter. htio.ial Protection!	Standard			
ust & Vater Protection	IP54* ²			

*2: Ne ssary conditions are: (1) KMC-35/36 microphone is connected; (2) cap is installed on speaker connector; (3) cover is installed on D-sub 15-pin connector; and (4) neither KCT cable nor SP cable is connected.

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.

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