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Mobile Radio Station Kenwood TK-7302E

TK-7302

Kenwood's TK-7302 delivers reliable mobile performance with features as QT/DQT signalling, multiple scan functions and a voice inversion scrambler. Yet this 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.

Key Features:

- Frequency Range: 136-174 MHz
- 16 Channels
- 25 Watts RF Output
- Emergency Mode
- DTMF,QT & DQT Signalling
- PTT ID and Electronic Serial Number
- Voice Annunciation In Eight Languages
- MDC-1200 Signalling (requires special license ID)
- D-Sub Interface Connector
- Requires Optional Microphone

Technical specifications

Supplied With

D.C. Cable	Yes
Fuse	Yes, 10Amp
Instruction Manual	Yes, English, Spanish, French, German, Italian, Dutch & Turkish
Mounting Bracket	Yes
Screw Set	Yes

PMR General Features

Blue colour LED	Yes
3-colour LED (Red, Orange, Green)	Yes
5-Tone Signalling formats	ZVEI, ZVEI2, CCIR, EIA, EEA and "Kenwood" in normal 5-Tone. 2-Frames 5-Tone, 3-Frames 5-Tone plus up to 8-Tone formats
Busy Channel Lock-out	Yes
Character Display (Numeric)	2 Characters
Compact Design	Yes
Companded Audio	Yes
DB-15 Accessory Connector	Yes; can also be programmed as 8 individual Accessory Ports
DTMF PTT ID	Yes
Ease of Operating Use	Yes
Emergency Call Function	Yes
Emergency Key	Yes
Enhanced Kenwood Audio	Yes
FleetSync	Yes
Front-mounted Loudspeaker	Yes
GPS Compatible	Yes
Horn Alert/PA Function	Yes
Independent Setting per Channel	Compander, Wide/Mid/Narrow & Scrambler
Kenwood ESN (Electronic Serial Number)	Yes
Key Lock	Yes
Lone Worker Function	Yes
MDC-1200	Yes
Minimum-Volume Setting	Yes
Monitor Button	Yes
Multiple Scanning Function	Yes
Operator Selectable Tone	Yes
Pre-programmed Status Messages	Yes, Status messages are pre-programmed 2-digit codes from 10 - 99 (numbers 80 - 99 are reserved for special messages).
Programmable Function Keys	9 Programmable Function Keys
PTT ID	Yes
QT (CTCSS) / DQT (digital)	Yes
Remote Stun and Revive	Yes
SelCall Function	Yes
Selectable Microphone Gain	Yes
Switchable Display Backlighting	Yes
Talk Around	Yes
"Talk Back" Scanning Function	Yes

Time-Out Timer	Yes
Transceiver Password	Yes
Voice Annunciation	Yes - Radio Status and Mode, in your choice of English, French, German, Italian, Dutch, Spanish, Russian or Chinese.
Voice Inversion Scrambler	Yes
Voting Function	Yes
Windows PC Programming and Tuning	Yes
Wired Cloning Function	Yes

FleetSync Signalling Features

Emergency Status	Yes
PTT ID Digital ANI	Yes
Selective Calling	Yes

MDC1200 Signalling Features

Emergency Encode	Yes
PTT ID Encode	Yes
Radio check Decode	Yes
Stun/Revive Decode	Yes

Options

Internal GPS Board	Yes - NMEA 0183 V2 compatible
Internal Scrambler Board	Yes - KW21-460 available from Transcrypt
"Molex" interface	Via KCT-60M Cable

Applicable Standards

IP54	Yes
MIL-STD 810 C/D/E/F	Yes

Technical Specifications

Frequency Range - E Type	136-174 MHz
Number of Channels	16
Number of Zones	2
Channel Frequency Spread	38 MHz
Channel Spacing	Wide: 25 kHz Mid: 20 kHz Narrow: 12.5 kHz
Antenna Impedance - 50 Ohm	Yes
Antenna Connector	BNC
Current Drain	Standby: ≤ 0.4 A Receive: ≤ 1.0 A Transmit: ≤ 8.0 A
Frequency Stability	± 2.5 ppm (-30 °C to + 60 °C)
Operating Temperature Range	-30 °C to + 60 °C
Operating Voltage	13.6 V DC ± 15%
PLL Channel Steps	2.5 kHz/5.0 kHz/6.25 kHz/7.5 kHz
Dimensions	160 x 43 x 122.6 mm - Projections not included -
Weight (net)	1.18 kg

Receiver Specifications

Adjacent Channel Selectivity	70 dB at 25 kHz 70 dB at 20 kHz 60 dB at 12.5 kHz
Audio Output	4 W with less than 5% distortion
Intermodulation	65 dB
Sensitivity - EIA 12 dB SINAD	0.28 µV at 25 kHz 0.28 µV at 20 kHz 0.35 µV at 12.5 kHz
Sensitivity - EN 20 dB SINAD	-3 dBµV at 25 kHz -3 dBµV at 20 kHz -2 dBµV at 12.5 kHz
Spurious Response Rejection	70 dB

Transmitter Specifications

RF Power Output	5 W - 25 W
FM Noise (EIA)	45 dB at 25 kHz 43 dB at 20 kHz 40 dB at 12.5 kHz
Modulation Distortion	Less than 3%
Spurious Emission (EN)	-36 dBm ≤ 1 GHz -30 dBm > 1 GHz