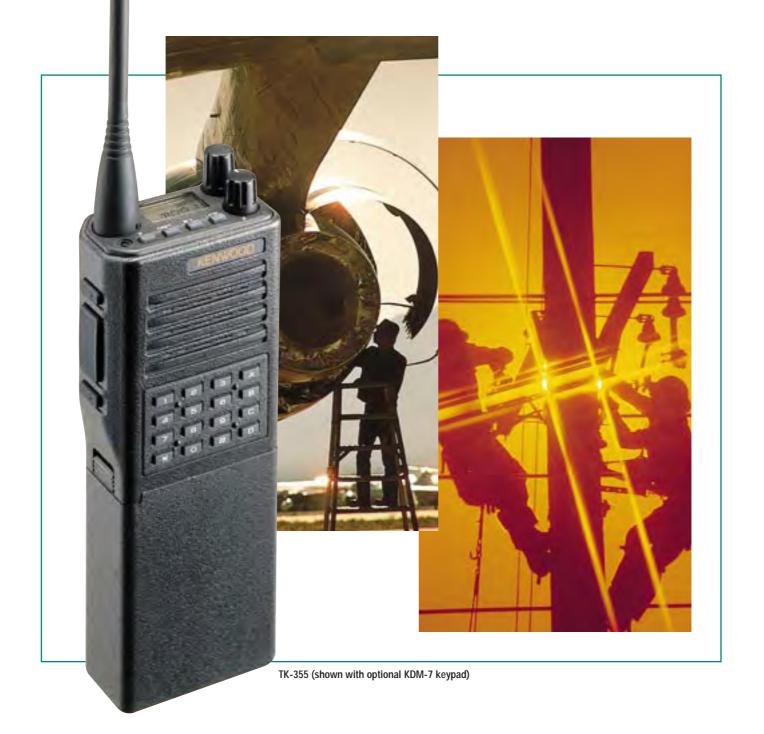
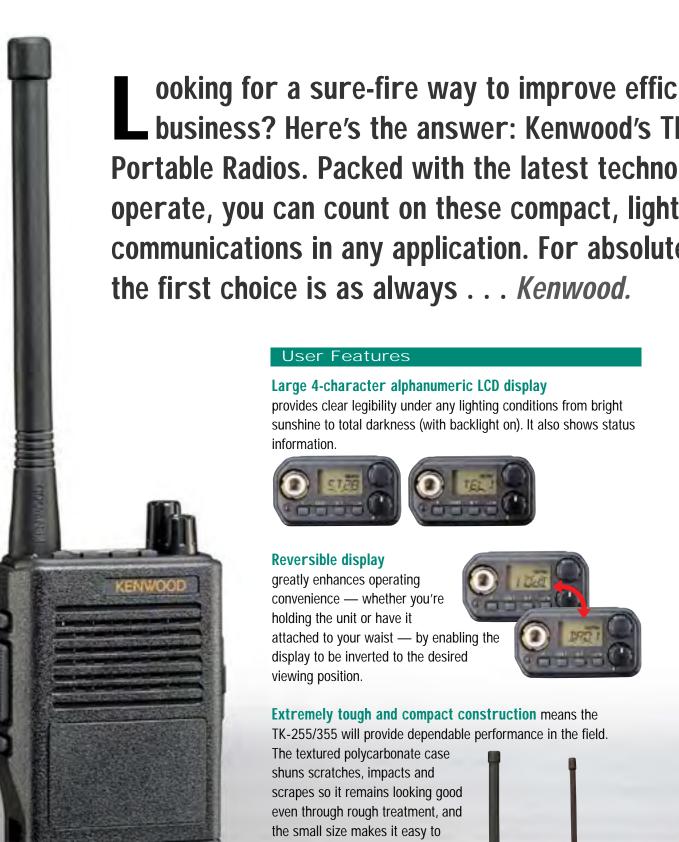
KENWOOD

TK-255/355

MPT Trunked Portable Radios





handle and conceal if necessary.

Compatibility with MPT trunking systems gives you individual and group calling. Optional telephone interconnect offers PSTN calling to the public telephone network where available, or PABX access to your company's in-house phone system.

> TK-255 (shown with optional KDM-7 keypad)



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Simplified fleet management means that the TK-255/355 automatically transmits 30 different status codes to keep the dispatcher and others in your network informed, for example, when a driver is on a break, off-duty, or ready for a new assignment. This makes it easier than ever to manage your field personnel.

The tri-color LED gives you four instantly recognisable status indications: red for transmit, green for channel busy, flashing amber for selective call alert.

Other Features

- Meets MIL-STD 810 C/D/E covering physical and temperature shock, vibration, humidity, dust, rain, salt fog, high/low temperature, low pressure, and solar radiation.
- Optional KDM-7 keypad allows users to input free dial PABX network access numbers and permits access to up to 99 prestored MPT1343 PSTN dialling codes.
- PSTN longform up to 20 digits allows PSTN calls to only four pre-set numbers, preventing unauthorised calls and keeping costs down.
- Call-in-absence can store up to nine individual calls.
- Abbreviated calling for one-touch dialling of frequently called units.
- MPT small fleet and large fleet dialling supported.

Technology Features

Flash ROM makes it easy to upgrade software functions in the future.

Programmable radio functions can be created with a personal computer. Computerised alignment also allows all



transmit and receive adjustments to be made through the PC, including squelch, RF power output, and deviation.

Sleeve construction lets your technician get at the heart of the radio by simply undoing two screws — the internal



chassis then slides out of the case for rapid servicing. This approach also increases durability because the external case is cast as a one-piece shell, providing the highest degree of structural rigidity.

Kenwood Radios Mean Business.

Specifications

	TK-255	TK-355
GENERAL		
Frequency range	Type NE2 (Spain): RX 229 ~ 232 MHz TX 223 ~ 226 MHz Type NM3 (South Africa): RX 254 ~ 260 MHz TX 262 ~ 268 MHz Type NE3 (BAND III): RX 176.5 ~ 183.4875 MHz 200.5 ~ 207.4875 MHz TX 184.5 ~ 191.4875 MHz 192.5 ~ 199.4875 MHz	Type NE3 (TRAXYS): RX/TX 406 - 430 MHz Type NE5 (REGIONET43): RX/TX 406 - 430 MHz
Channel spacing	12.5 kHz	12.5 kHz
Battery voltage	7.5 V DC	7.5 V DC
Battery life (5-5-90 duty cycle with KNB-12A)	More than 8 hours at 4 W (NE3: more than 8 hours at 5 W)	More than 8 hours at 4 W
Temperature range	-30° C ~ +60° C	-30° C ~ +60° C
Dimensions (W x H x D)	57.5x 155 x 30.5 mm with KNB-12A battery	57.5x 155 x 30.5 mm with KNB-12A battery
Weight (net)	500 g with KNB-12A battery	500 g with KNB-12A battery

	TK-255	TK-355	
RECEIVER			
Sensitivity (12 dB SINAD)	0.25 μV	0.25 μV	
Selectivity EIA ETS	-63 dB -60 dB	-63 dB -60 dB	
Intermodulation	-65 dB	-65 dB	
Spurious & image rejection	-70 dB	-70 dB	
Audio power output	500 mW at less than 5% distortion	500 mW at less than 5% distortion	
Channel frequency spread	3 MHz (NE2, NE3) 6 MHz (NM3)	24 MHz	
TRANSMITTER			
RF power output	4 W/1 W (NE3: 5 W/1 W)	4 W/1 W	
Spurious & harmonics	-70 dB	-70 dB	
Modulation	F3E, ±2.5 kHz for 100% at 1 kHz	F3E, ±2.5 kHz for 100% at 1 kHz	
FM noise	-40 dB	-40 dB	
Audio distortion	5%	5%	
Frequency stability	±0.0004% (-30° C ~ +60° C)	±0.0004% (-30° C ~ +60° C)	
Channel frequency spread	3 MHz (NE2, NE3) 6 MHz (NM3)	24 MHz	

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

Options



KMC-17 Speaker Microphone



KNB-11A NiCd Battery (7.2 V, 800 mAh)



KNB-12A NiCd Battery (7.2 V, 1100 mAh)



KSC-14 Rapid Charger



KSC-17 Regular Charger



KSC-18 Rapid Charger



KSC-8A Regular Rate Charger



KSC-76 Rapid Rate Multi Charger (6 units) [UK only]



KSC-86 Regular Rate Multi Charger (6 units) [UK only]



KPG-22 Programming Interface Cable (powered through PC's serial port)



KPG-8 Programming Interface Cable (requires external DC power supply)



KBH-6 Spring-Action Belt Hook



KWR-1 Water-Resistant Bag

KDM-7

Keypad



KLH-65/66* Leather Case (*with keypad access) [UK only]



VHF Helical Antenna (150~162 MHz) KRA-4B

VHF Helical Antenna (162~174 MHz) [Belgium and Germany only]

KRA-5A UHF Stubby Antenna (450~480 MHz)

KRA-5C UHF Stubby Antenna (400~430 MHz)

[Belgium and Germany only] KRA-6A VHF Stubby Antenna

(150~162 MHz) KRA-6B

VHF Stubby Antenna (162~174 MHz) KRA-7B

UHF Stubby Antenna (400~450 MHz) [Belgium and Germany only]

