

# KENWOOD

## TK-255/355

MPT Trunked Portable Radios



TK-355 (shown with optional KDM-7 keypad)

**L**ooking for a sure-fire way to improve efficiency in your business? Here's the answer: Kenwood's TK-255/355 Portable Radios. Packed with the latest technology, they operate, you can count on these compact, lightweight radios for reliable communications in any application. For absolute reliability, the first choice is as always . . . *Kenwood*.



### User Features

#### Large 4-character alphanumeric LCD display

provides clear legibility under any lighting conditions from bright sunshine to total darkness (with backlight on). It also shows status information.



#### Reversible display

greatly enhances operating convenience — whether you're holding the unit or have it attached to your waist — by enabling the display to be inverted to the desired viewing position.



**Extremely tough and compact construction** means the TK-255/355 will provide dependable performance in the field.

The textured polycarbonate case shuns scratches, impacts and scrapes so it remains looking good even through rough treatment, and the small size makes it easy to 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

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

TK-355 (shown with optional keypad)

# Efficiency in your TK-255/355 MPT Trunked Technology and easy to install weight units for sure performance,



**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
<b>GENERAL</b>		
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
<b>RECEIVER</b>		
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
<b>TRANSMITTER</b>		
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]



**KRA-4A**  
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]

**KENWOOD ELECTRONICS UK LIMITED**

Kenwood House, Dwight Road, Watford, Herts., WD1 8EB, United Kingdom



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