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 effici...
business? Here's the answer: Kenwood's TK...
Portable Radios. Packed with the latest technol...
operate, you can count on these compact, light...
communications in any application. For absolute...
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.

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optional KDM-7 keypad)

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TK-255

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K-255/355 MPT Trunked
logy and easy to
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.**

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.

nown with
DM-7 keypad)

	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]

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

KRA-4B
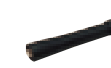VHF Helical Antenna
(162~174 MHz)
[Belgium and Germany only]

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]

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