KENWOOD

Compact Synthesized FM Portable Radios

TK-260G/360G

- SIMPLE OPERATION
- MULTI-MODE WIDE/NARROW BANDWIDTH PER CHANNEL
- WEATHER-RESISTANT SEALS
- COMPANDED AUDIO
- PTT ID PER CHANNEL
- BUILT-IN QT/DQT
- DTMF AND 2-TONE
- DIE-CAST CHASSIS
- UP TO 8-CHANNEL CAPACITY
- FLASH MEMORY ADVANTAGE
- MIL-STD 810 C/D/E

The Next Generation in Pu

Productivity takes a giant leap forward as performance extra operating ease and versatility. Along with world-f incorporates superior features such as multi-mode wid audio, and PTT unit ID (digital ANI option modules). When premium radio product can provide, the choice is obvio

Elements of a Premium Radio Product

STRENGTH & DURABILITY

Kenwood's facilities are proud to be internationally recognized as ISO-9001 certified and this means that our radio products follow a strict adherence to high standards in design, manufacturing and quality assurance. Whatever the requirement, the excellent performance and reliability of our communications equipment — exemplified by the TK-260G/360G portables — make Kenwood the premier choice.

MIL-STD 810 C/D/E

The TK-260G/360G are manufactured along Kenwood's demanding technical and industrial standards, meeting or exceeding the tough environmental standards used by the U.S. Department of Defense.

DIE-CAST CHASSIS AND POLYCARBONATE CASE

The monocoque aluminum die-cast chassis-heat sink borrows a principal from aircraft construction for rigid strength. Surrounding this and forming an integral part of the chassis, is the super-tough polycarbonate case to provide years of durability. The heavy-duty belt clip and antenna mount are also integrated into the chassis for strengthened unit construction.

WEATHER-RESISTANT

Integrated elements like gasket seals and the polyvinyl speaker cone prevent moisture penetration for confident wet weather use.

PERFORMANCE

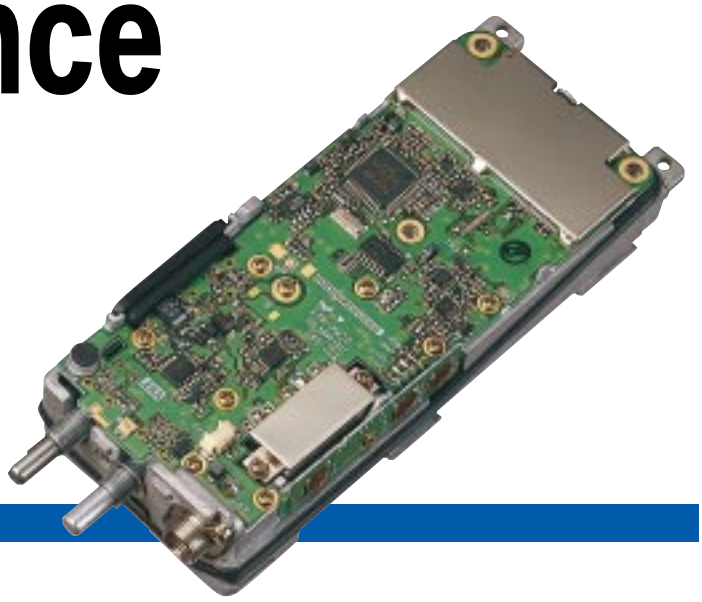
A premium radio design like the TK-260G/360G portables use state-of-the art surface mount technology, multiple layer epoxy PC boards, high-level integrated circuits and hybrid components to create a symphony of compact, rugged and power-efficient performance.

COMPANDED AUDIO

The compandor noise-reduction feature enhances audio clarity on narrow bandwidth systems and is programmable per channel. Voice intelligence components are amplified and compressed at the transmit end then re-expanded on the receive end to reproduce the original audio signal.

ure Performance

e enhancements in the TK-260G/360G deliver famous Kenwood quality, this rugged unit e/narrow bandwidth (per channel), companded your operations need a boost that only a us — Kenwood.



HEAVY-DUTY ANTENNA MOUNT
The antenna's industry-standard SMA connector provides improved mechanical and electrical performance.

HIGH OUTPUT AUDIO
A large 1-3/4 inch speaker provides 500 mW audio output. This enables the user to hear transmissions clearly even in the noisiest environments.

EASY USER INTERFACE

A premium radio product must be easy to setup, use and maintain. The TK-260G/360G is a perfect example of this philosophy as it combines user-friendly ergonomics in a lightweight and well-balanced package.

BUILT-IN QT AND DQT SIGNALING
Encoder/decoder function segregates talk groups so users only hear calls from their own group.

SIGNALING AND/OR LOGIC
For improved response when using combinations of signaling systems, squelch is opened when either one, or all, signal requirements are met.

BUSY CHANNEL LOCKOUT
Lockout further improves channel management by preventing transmission if another talk group is already on the air.

BUILT-IN 2-TONE DECODER AND ENCODER
The decoder and encoder functions offer a 2-tone paging code assignable to any channel. An incoming message is signaled with audible and visible alerts.

TWO-COLOR LED
The two-color LED provides traditional transmit/warning (red), receive (green), and alert (orange) visual indications. This LED is recessed to limit omni-directional visibility to everyone except the radio operator.

VERSATILITY

A premium radio like the TK-260G/360G must be flexible enough to answer any application and offer the room to expand as system or user needs grow.

POWER OUTPUT SETTINGS
High/Low settings can be input for each channel by your dealer. The TK-260G can be set for 5W/1W and the TK-360G for 4W/1W.

FLASH MEMORY ADVANTAGE
Flash memory permits updates, advanced feature sets and system architectural changes to be made electronically without ever opening the unit. This means fast changes for the system operator and less down time for users.

WIDE/NARROW CHANNEL BANDWIDTH
The TK-260G/360G can be programmed for wide or narrow bandwidth operation per channel to accommodate all channel allocations now and in the future.

MAXIMUM 8-CHANNEL MEMORY
On-board memory stores frequency and configuration settings that can be programmed using a personal computer. The mechanical encoder utilizes a special pin for the setting of 2-, 4-, 6- or a maximum of
8-channel (default) capacity for customized performance.

PC PROGRAMMING AND TUNING
Radio parameter programming and tuning can be accomplished via the accessory connector from a PC-compatible computer without ever having to open the radio to save both time and expense (requires optional programming cable and software).

DTMF ANI FUNCTION
A DTMF code can be encoded by two methods: "PTT ID" or "DIAL ID" operation. "PTT ID" — the traditional DTMF ANI unit ID — is programmable per channel and sends ANI automatically on every PTT (begin of transmit leading edge code and EOT trailing edge code are both independently programmable). Additionally, each channel can have its own unique DTMF ANI number to suit a variety of custom applications. Dial ID permits sending the DTMF ANI codes (BOT or EOT codes) manually via the front keypad for remote control or system-access applications.

EMBEDDED MESSAGE
The radio's flash memory can store an electronic message containing owner identification, property I.D. numbers, user and department names, service records, etc. A radio can be electronically identified even if external labels, markings or factory serial numbers have been removed..

OTHER FEATURES
▮ TIME-OUT TIMER ▮ BATTERY POWER SAVE ▮ LOW BATTERY ALERT
▮ MONITOR/VOLUME SET ▮ BUSY LED CONTROL

Options

KNB-14
Ni-Cd Battery
(7.2 V, 600 mAh)

KNB-15A
Ni-Cd Battery
(7.2 V, 1100 mAh)

KBP-1
Battery Case

KSC-15
Regular Rate Charger

KSC-16
Rapid Charger

KSC-21R
Conditioning Rapid
Battery Charger
(Charges only)

KMB-14
Multi-Charger Adapter
(for KSC-15/16)

KVC-3
Regular Rate Vehicular
Charger Adapter
(for KSC-15)

KVC-4
Rapid Rate Vehicular
Charger Adapter
(for KSC-16)

KMC-17
Speaker Microphone

KMC-21
Compact Low-Profile
Speaker Microphone

KEP-2
Earphone Coil Cord Kit
(for KMC-17/21)

KHS-1
Headset with VOX/PTT

KHS-7
Lightweight Single
Speaker Headset

KHS-7A
Light Weight Single
Muff Headset

KHS-8BL
2 Wire-Palm Mic with
Earphone (Black)

KHS-8BE
2 Wire-Palm Mic with
Earphone (Beige)

KHS-9BL
3 Wire-Lapel Mic with
Earphone (Black)

KHS-9BE
3 Wire-Lapel Mic with
Earphone (Beige)

KRA-14
VHF Helical Antenna

KRA-15
UHF Whip Antenna

KRA-16
VHF Stubby Antenna

KRA-17
UHF Stubby Antenna

KBH-8
Spring-Action Belt Hook

KLH-70
Leather Case

KLH-6SW
Swivel Case Adapter

KBH-8DS
Swivel Belt Loop with
D-stub Backplate

KWR-1
Water-Resistant Bag

Specifications

	TK-260G	TK-360G
GENERAL		
Frequency range	150 ~ 174 MHz	450 ~ 470 MHz
Number of channels	Max. 8	Max. 8
Channel spacing Wide /Narrow	25, 30 kHz / 12.5, 15 kHz	25 kHz / 12.5 kHz
PLL step	2.5, 5, 6.25, 7.5 kHz	5, 6.25 kHz
Channel frequency spread	24 MHz	20MHz
Antenna impedance	50 Ω	50 Ω
Operating voltage	7.5 V DC (±20%)	7.5 V DC (±20%)
Battery life (5-5-90 duty cycle with battery saver off) with KNB-14 (600mAh) with KNB-15A (1100mAh)	 More than 4 hours More than 8 hours	 More than 4 hours More than 8 hours
Operating temperature range	-22° F ~ +140° F (-30° C ~ +60° C)	-22° F ~ +140° F (-30° C ~ +60° C)
Frequency stability	± 3 ppm (-22° F ~ +140° F) (-30° C ~ +60° C)	± 2.5 ppm (-22° F ~ +140° F) (-30° C ~ +60° C)
Dimensions (W x H x D)	2-5/16 x 5-5/16 x 1-1/4 in. (58 x 135 x 32 mm) with KNB-14 battery 2-5/16 x 5-5/16 x 1-3/8 in. (58 x 135 x 35 mm) with KNB-15A battery	2-5/16 x 5-5/16 x 1-1/4 in. (58 x 135 x 32 mm) with KNB-14 battery 2-5/16 x 5-5/16 x 1-3/8 in. (58 x 135 x 35 mm) with KNB-15A battery
Weight (net)	0.49 lbs. (220 g), main body only without antenna) 0.88 lbs. (400 g) with KNB-14 battery & antenna	0.49 lbs. (220 g), main body only without antenna 0.88 lbs. (400 g) with KNB-14 battery & antenna
FCC ID	ALH29463110	ALH29473110
FCC compliance	FCC parts 22, 74, 80, 90, 95	FCC parts 22, 74, 80, 90, 95
IC certification	282195581A	282195580A

	TK-260G	TK-360G
RECEIVER (Measurements made per EIA standard EIA-RS 316B)		
Sensitivity (12 dB SINAD) Wide / Narrow	0.25 µV / 0.28µV	0.25 µV / 0.28µV
Selectivity Wide / Narrow	70 dB / 65 dB	70 dB / 65 dB
Intermodulation distortion Wide /Narrow	65 dB / 60 dB	65 dB / 60 dB
Spurious response	65 dB	60 dB
Audio output	500 mW at less than 10% distortion	500 mW at less than 10% distortion
TRANSMITTER (Measurements made per EIA- RS 316B)		
RF power output (Hi/Low)	5W/1W	4W/1W
Spurious & harmonics	70 dB	70 dB
Modulation Wide / Narrow	16KøF3E / 11KøF3E	16KøF3E / 11KøF3E
FM noise Wide/Narrow	45 dB / 43 dB	45 dB / 40 dB
Modulation distortion	Less than 5%	Less than 5%

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

Applicable MIL-STD

Standard	MIL 810C Methods/Procedures	MIL 810D Methods/Procedures	MIL 810E Methods/Procedures
Rain	506.1/Procedure II	506.2/Procedure II	506.3/Procedure II
Humidity	507.1/Procedure II	507.2/Procedure II	507.3/Procedure II
Dust	510.1/Procedure I	510.2/Procedure I	510.3/Procedure I
Vibration	514.2/Procedure VIII, X	514.3/Procedure I	514.4/Procedure I
Shock	516.2/Procedure I, II, V	516.3/Procedure I, IV	516.4/Procedure I, IV

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