

KENWOOD

Listen to the Future



TK-2260EX/3260EX

VHF/UHF FM Portable Radios



ATEX Radios for Reliable Communications in Potentially Explosive Atmospheres

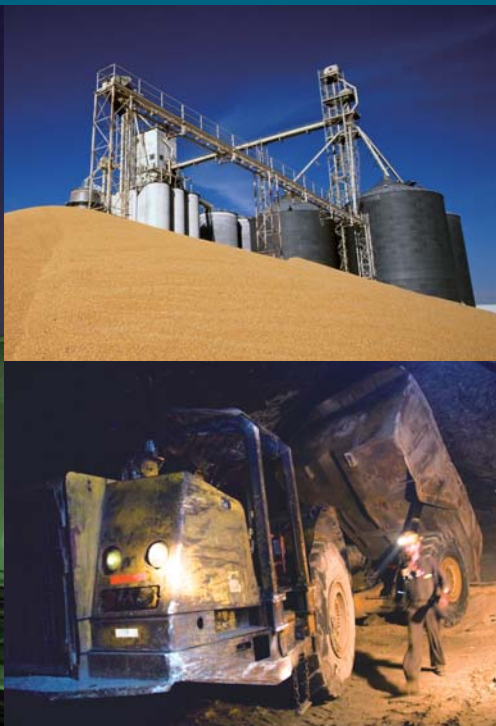
ATEX Certifications

Gas : II 2 G Ex ib IIC T4

Dust : II 2 D Ex tD ibD A21 IP6x T110°C

Mining : I M2 Ex ib I

5-tone FleetSync® by KENWOOD **Lone Worker** You'll never work alone. **Staff Safe**)))



TK-2260EX

TK-3260EX

Intrinsic safety backed by Kenwood quality

Kenwood's TK-2260EX/3260EX portables are expressly designed to provide clear communications with intrinsic safety in potentially explosive duty environments such as oil refineries, chemical plants and grain silos. Kenwood radios are valued by professionals worldwide for their simple operation and reliable performance, and these new ATEX/IECEx-certified models boast such features as Lone Worker and Man-down Detection to further enhance employee safety.

INTRINSIC SAFETY

Special enclosure and circuitry designs ensure that these portables meet ATEX requirements for intrinsic safety. Antistatic resin is used for the casing, battery and belt hook. Also, effective RF output is 1.2W, maintained within the upper limit set by ATEX directive.

STAFF SAFE FUNCTIONS (MAN-DOWN / STATIONARY / MOTION DETECTION)

Three different staff safe functions are available that make use of the built-in motion sensor. When activated, a "man-down" alert is generated automatically if the radio (and user) is not upright for a length of time. Similarly alerts can be sent if the radio is stationary for a preset period or if it is being shaken/swung violently as when someone is running.

LONE WORKER

This ingenious feature provides an extra layer of security and safety for individuals who work remotely or in hazardous areas. If the buttons are not operated for a certain time (programmable), it will sound an alert. If there is still no response from the user, the TK-2260EX/3260EX will place an emergency call to a predetermined person or group.

VOTING

The Voting function (Intelligent Scanning) looks for and locks onto the best repeater station automatically in a multi-site system.

PRIORITY SCAN & TALK BACK

Scanning is a simple way to monitor multiple channels and the TK-2260EX/3260EX (16-channel capacity) offers both standard and priority scan modes. Another convenience is Talk Back, which allows immediate response to a call without having to manually search or change channels.

FleetSync® PTT ID, SELCALL & EMERGENCY

Utilising Kenwood's FleetSync® digital signalling protocol, the TK-2260EX/3260EX has PTT ID (ANI: automatic number identification) and Selective Calling capabilities for managed dispatch operations. The orange key can also be programmed for Emergency status to alert the dispatcher.

Options

■ KNB-58LEX*1

Li-ion Battery Pack
(7.4V/1,880mAh)



■ KMC-46EX*1

Speaker Microphone
(Future Available)



■ KBH-16EX*1

2.5" Belt Clip



■ KLH-168EX*1

Leather Case



■ KRA-22*1

VHF Low Profile
Helical Antenna



■ KRA-23*1

UHF Low Profile
Helical Antenna



■ KRA-26*1

VHF Helical Antenna



■ KRA-27*1

UHF Whip Antenna



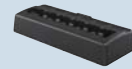
■ KSC-32*2

Tri-Chemistry Rapid
Rate Charger



■ KSC-326*2

Multiple Rapid
Rate Charger



*1 ATEX/IECEx-certified accessories only when used with the TK-2260EX/3260EX.
*2 No approval in ATEX/IECEx and must not be used in a potentially explosive atmosphere.

All accessories and options may not be available in all markets. Contact an authorized Kenwood dealer for details and complete list of all accessories and options.

Specifications

	TK-2260EX	TK-3260EX		TK-2260EX	TK-3260EX
GENERAL			RECEIVER		
Frequency Range	136-174 MHz	440-470 MHz	Sensitivity	EIA 12 dB SINAD	0.25 μV / 0.25 μV / 0.32 μV (-6 dBμV / -6 dBμV / -4 dBμV)
Number of Channels		Max. 16 ch	EN 20 dB SINAD		0.32 μV / 0.32 μV / 0.36 μV (-4 dBμV / -4 dBμV / -3 dBμV)
Channel Spacing		25 kHz / 20 kHz / 12.5 kHz	25 kHz / 20 kHz / 12.5 kHz		
Channel Step		2.5 kHz / 5 kHz / 6.25 kHz / 7.5 kHz	Selectivity		
Operating Voltage		6 V ~ 8.4 V	25 kHz / 20 kHz / 12.5 kHz	70 dB / 70 dB / 62 dB	
Battery Life (5-5-90 duty cycle)			Intermodulation Distortion		65 dB
Battery Saver On		23 hours	Spurious Response		70 dB
Battery Saver Off		18 hours	Audio Distortion		3 % typ
Operating Temperature Range		-20°C ~ +50°C	Audio Output		400 mW / 16 Ω
Frequency Stability		±3.0 ppm	TRANSMITTER		
Antenna Impedance		50 Ω	RF Power Output		1.2 W
Current Drain			Modulation Limiting		
Standby		77 mA	25 kHz / 20 kHz / 12.5 kHz		±5.0 kHz / ±4.0 kHz / ±2.5 kHz
RX		250 mA	Spurious Response		-36 dBm (≤1 GHz)
TX		1.0 A			-30 dBm (>1 GHz)
Dimensions (W x H x D), Projections Not Included			FM Hum & Noise		
Radio Only		61.8 x 128.3 x 42.7 mm	25 kHz / 20 kHz / 12.5 kHz		45 dB / 43 dB / 43 dB
with Battery		61.8 x 128.3 x 49.5 mm	Audio Distortion		5 % typ
Weight (net)			Modulation		16K0F3E, 14K0F3E, 8K50F3E
Radio Only		279 g			14K0F2D, 12K0F2D, 7K50F2D
with Battery		484 g			

Note: Analogue measurements made per EN Standards or TIA/EIA 603 and specifications shown are typical. Kenwood reserves the right to change specifications and features without prior notice. FleetSync® is a registered trademark of Kenwood Corporation. Windows® is a registered trademark of Microsoft Corporation in the United States and other countries.

Approved Standard

Standard	Detail	ID
Low Voltage Directive	EN 60065, EN 60950-1, EN 60215	
R&TTE Directive	EN 300 086-2, EN 300 113-2, EN 300 219-2, EN 301 489-5, EN 301 489-1	CE0168 Ø
ATEX Directive		TÜV 09 ATEX 7759 X
Gas: II 2G Ex ib IIC T4	EN 60079-0, EN 60079-11, EN 61241-0, EN 61241-1, EN 61241-11	
Dust: II 2D Ex tD ibD A21 IP6X T110°C		
Mining: I M2 Ex ib I		
IECEx Scheme		IECEx TUR 09.0004X
Gas: Ex ib IIC T4 Gb	IEC 60079-0, IEC 60079-11, IEC 61241-0, IEC 61241-1, IEC 61241-11	
Dust: Ex ib tD C T110°C Db IP6X		
Mining: Ex ib I Mb		
International Protection Standard		
Dust & Water Protection:	IP 64	

Applicable MIL-STD

Military Standards	Methods/Procedures MIL-STD 810C	Methods/Procedures MIL-STD 810D	Methods/Procedures MIL-STD 810E	Methods/Procedures MIL-STD 810F
Low Pressure	500.1/Procedure I	500.2/Procedure I, II	500.3/Procedure I, II	500.4/Procedure I, II
High Temperature	501.1/Procedure I, II	501.2/Procedure I, II	501.3/Procedure I, II	501.4/Procedure I, II
Low Temperature	502.1/Procedure I	502.2/Procedure I, II	502.3/Procedure I, II	502.4/Procedure I, II
Temperature Shock	503.1/Procedure I	503.2/Procedure I	503.3/Procedure I	503.4/Procedure I, II
Solar Radiation	505.1/Procedure I	505.2/Procedure I	505.3/Procedure I	505.4/Procedure I
Rain	506.1/Procedure I, II	506.2/Procedure I, II	506.3/Procedure I, II	506.4/Procedure I, III
Humidity	507.1/Procedure I, II	507.2/Procedure II, III	507.3/Procedure II, III	507.4
Salt Fog	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4
Dust	510.1/Procedure I	510.2/Procedure I	510.3/Procedure I	510.4/Procedure I, III
Vibration	514.2/Procedure VIII, X	514.3/Procedure I cat. 8	514.4/Procedure I cat. 8	514.5/Procedure I cat. 20
Shock	516.2/Procedure I, II, V	516.3/Procedure I, IV	516.4/Procedure I, IV	516.5/Procedure I, IV

Listen to the Future

Kenwood has always connected with people through sound. Now we want to expand the world of sound in ways that only Kenwood can, listening to our customers and to the pulse of the coming age as we head toward a future of shared discovery, inspiration and enjoyment.

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