



Digital Radios

Our Commitment

We offer our customers optimum solutions for wireless communications with exceptional reliability and solid support. *We are firmly committed to:*

- **A Step Ahead** – To drive dynamic evolution through progressive thinking and a willingness to embrace change;
- **The Right Fit** – To create products and services that have an intuitive appeal because they fit customer needs and lifestyles;
- **Fresh Experience** – To foster the spirit of discovery at work and refreshing surprise in daily life;
- **Quality & Performance** – To insist on uncompromising quality and performance in our products, our people and our business practices;
- **Confidence & Trust** – To build confidence in the brand and lasting goodwill through relationships based on trust.

The Brand

Originally established in Japan in 1946, the KENWOOD brand has long been associated with world-class wireless communication systems. It is recognized by customers and industry professionals as a brand built on innovative thinking, close attention to customer input, progressive engineering, adherence to a strong value proposition and precision manufacturing.

The KENWOOD brand symbolizes our commitment to our customers. Our expertise and values are incorporated into every aspect of our business.

Analogue Radios



Amateur Radios



Solutions

A major shift is taking place in radio systems – from analogue to digital. But to completely replace legacy systems is far too costly a burden for many enterprises. Fortunately KENWOOD products offer a smooth migration path: customers can introduce NEXEDGE® digital radios while still making use of existing analogue units. This is another very practical KENWOOD solution that is already proving its worth in countries around the world.

Quality, Reliability and the Environment

KENWOOD products are manufactured at our own factories in Japan, Singapore and China, where every effort is made to enhance quality and reliability. Kenwood Electronics Singapore (KETS) is not just a manufacturing centre for transceivers: it also has its own R&D facility. Engineers are continuously making improvements at every stage, from design through to production. In fact, the firm commitment of the staff to quality won them the MAXA award in 2007 and the Innovation Excellence Award in 2008.

Gruelling tests are implemented to verify that KENWOOD products meet or exceed US military standards for resistance to extreme temperatures, water, dust, vibration, and impact. They are also tested for compliance with the IEC's IP standards for protection against dust and water ingress. In addition, as well as observing RoHS and REACH restrictions on harmful substances, our design and production engineers adhere to an even stricter set of in-house rules governing such substances, thus providing yet greater protection for the environment.

VHF/UHF Radios

NXDN®



NXR-700/800

- 146-174 MHz, 25 W (NXR-700 E)
- 136-154 MHz, 5 W (NXR-700 K2)
- 450-480 MHz, 5 W (NXR-800 K)
- 480-512 MHz, 5 W (NXR-800 K2)
- 440-470 MHz, 25 W (NXR-800 E)
- 400-430 MHz, 25 W (NXR-800 E3)
- 380-400 MHz, 5 W (NXR-800 K4)
- Digital / FM Conventional
- Digital / FM Trunked
- Repeater & Duplex / Simplex Base Operation
- Digital Multi-site Conventional IP Network
- Digital Multi-site Trunking Network
- 30CH Scanning Base (Conventional)



NXR-710/810

- 136-174 MHz
- 400-470, 450-520 MHz
- 50W (VHF) / 40W (UHF) @ 50 % Duty
- 25 W @ 100 % Duty
- 30 CH Scanning Base
- Digital / FM Conventional
- Repeater & Duplex / Simplex Base Operation
- Digital Multi-site Conventional IP Network



NX-700(H)/800(H)



- 136-174 MHz, 30 W / 50W
- 400-470, 450-520 MHz, 30 W/45 W
- 512 Channels / 128 Zones
- Dash & Remote Mount
- 14 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- Over-the-Air Programming
- GPS Connectivity



NX-720H(G)/820H(G)



- 136-174 MHz, 5-50 W
- 400-470, 450-520 MHz, 5-45 W
- 260 Channels / 128 Zones
- 10 Character Alphanumeric Aliases
- Backlit LCD
- Voice Annunciation (Ch No. Speech)
- Over-the-Air Programming
- GPS Connectivity



NX-200/300



- 136-174 MHz, 5 W
- 400-470, 450-520 MHz, 5 W
- 512 Channels / 128 Zones
- 14 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- Intrinsically Safe Option
- Over-the-Air Programming
- GPS Connectivity
- Immersion (IP67) option



NX-220/320



- 136-174 MHz, 5 W
- 400-470, 450-520 MHz, 5 W
- 260 Channels / 128 Zones
- 64 Channels / 4 Zones (Non Display Models)
- 8 Character Alphanumeric Aliases
- Backlit LCD & Keys
- Built-in Motion Sensor
- Over-the-Air Programming
- GPS Connectivity

Model availability may vary depending on the country or region.
nexedge.kenwood.com

800 MHz Radios

NXDN®



NXR-900

- RX: 806-825 MHz, TX: 851-870 MHz
- 360 mW Exciter Output
- Digital / FM Conventional
- Digital Trunked
- Repeater Operation
- Digital Multi-site Conventional IP Network
- Digital Multi-site Trunking Network



NX-900

- 806-870 MHz, 15 W
- 512 Channels / 128 Zones
- Dash & Remote Mount
- 14 Character Alphanumeric Aliases



- Backlit Dot Matrix LCD
- Over-the-Air Programming
- GPS Connectivity



NX-410

- 806-870 MHz, 3 W
- 512 Channels / 128 Zones
- 14 Character Alphanumeric Aliases

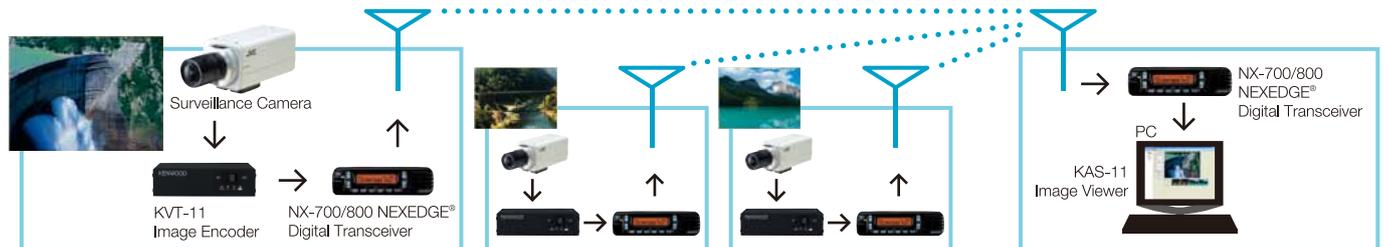


- Backlit Dot Matrix LCD
- Over-the-Air Programming
- GPS Connectivity

Wireless Image System

KENWOOD's Wireless Image System is a still image transmission system that offers a quick and effective way to deploy a 24/7 monitoring system at virtually any location with NEXEDGE® digital radio coverage. Unique advantages of this system are that it provides the "last mile" link when no others is available, offering simple installation, easy operation, and wide coverage.

Monitor Stations



KVT-11 Image Encoder Unit



KAS-11 Image Viewer Software



KTI-3 Network Interface Unit for the NXR-710/810



KTI-4 Interconnect Adapter for NEXEDGE® Digital Trunking System

800MHz Radios



TK-5410



- 763-806 MHz / 3 W
- 806-870 MHz / 3 W
- 1024 Channels / 100 Zones
- 16 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- P25 Digital Conventional
- P25 Digital Trunked
- Immersion (IP66/67/68) Option
- Intrinsically Safe Option



TK-5910



- 763-806 MHz / 30 W
- 806-870 MHz / 35 W
- 1024 Channels / 100 Zones
- P25 Digital Conventional
- P25 Digital Trunked

VHF/UHF Radios



TK-5220/5320



- VHF: 136-174 MHz / 5 W
- UHF: 400-470, 450-520 MHz / 5 W
- 512 Channels / 128 Zones
- 14 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- P25 Digital Conventional
- Immersion (IP67) Option
- Intrinsically Safe Option



TK-5720/5820



- VHF: 136-174 MHz / 50 W
- UHF: 400-470, 450-520 MHz / 45 W
- 512 Channels / 128 Zones
- 14 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- P25 Digital Conventional

MPT Trunking Radios



TK-2180/3180MPT



- VHF: 136-174 MHz / 5 W
- UHF: 450-520, 400-470 MHz / 5 W
- 12 Character Alphanumeric Aliases
- MPT 1327 / 1343
- Intrinsically Safe (FM) Option



TK-2178/3178MPT



- VHF: 136-174 MHz / 5 W
- UHF: 440-480, 400-430, 350-390 MHz / 4 W
- 128 Channels / 128 Zones
- 8 Character Alphanumeric Aliases
- MPT 1327 / 1343
- Intrinsically Safe (CQST) Option



TK-7180/8180MPT, TK-8185



- VHF: 136-174 MHz / 30-50 W
- UHF: 450-520, 400-470 MHz / 30-45 W
- TK-8185: 350-390 MHz / 25 W
- 12 Character Alphanumeric Aliases
- MPT 1327 / 1343

LTR® Trunking Radios



TK-2180/3180



- VHF: 136-174 MHz / 5 W
- UHF: 450-520, 400-470 MHz / 5 W
- 512 Channels / 128 Zones
- 12 Character Alphanumeric Aliases
- LTR® Trunking
- Intrinsically Safe (FM) Option



TK-3170



- UHF: 440-480, 400-430 MHz / 4 W
- 128 Channels / 128 Zones
- 8 Character Alphanumeric Aliases
- LTR® Trunking
- Intrinsically Safe (USTC) Option



TK-7360(H)/8360(H)



- VHF: 136-174 MHz / 25, 50 W
- UHF: 450-520, 400-470 MHz / 25, 45 W
- 128 Channels / 128 Zones
- 10 Character Alphanumeric Aliases
- LTR® Trunking



TK-7180(H)/8180(H)



- VHF: 136-174 MHz / 30, 50 W
- UHF: 450-520, 400-470 MHz / 30, 45 W
- 512 Channels / 128 Zones
- 12 Character Alphanumeric Aliases
- LTR® Trunking

MPT/LTR® Trunking Radios



NX-200/300/410



- 136-174 MHz, 5 W; 400-470, 450-520 MHz, 5 W (NX-200/300)
- 806-870 MHz, 3 W (NX-410)
- 512 Channels / 128 Zones
- 14 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- Intrinsically Safe Option
- Over-the-Air Programming
- GPS Connectivity
- Immersion (IP67) option (NX-200/300)



NX-220/320



- 136-174 MHz, 5 W
- 400-470, 450-520 MHz, 5 W
- 260 Channels / 128 Zones
- 64 Channels / 4 Zones (Non Display Models)
- 8 Character Alphanumeric Aliases
- Backlit LCD & Keys
- Built-in Motion Sensor
- Over-the-Air Programming
- GPS Connectivity



NX-700(H)/800(H)/900



- 136-174 MHz, 30 W / 50 W (NX-700(H)/800(H))
- 400-470, 450-520 MHz, 30 W/45 W (NX-700(H)/800(H))
- 806-870 MHz, 15 W (NX-900)
- 512 Channels / 128 Zones
- Dash & Remote Mount
- 14 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- Over-the-Air Programming
- GPS Connectivity



NX-720H(G)/820H(G)



- 136-174 MHz, 5-50 W
- 400-470, 450-520 MHz, 5-45 W
- 260 Channels / 128 Zones
- 10 Character Alphanumeric Aliases
- Backlit LCD
- Voice Announcement (Ch No. Speech)
- Over-the-Air Programming
- GPS Connectivity

Model availability may vary depending on the country or region.

FM Analogue Conventional

Portable Radios



TK-2170/3170/3178

FleetSync  

- VHF: 136-174 MHz / 5 W
- UHF: 440-480, 400-430 MHz / 4 W
- 350 MHz: 350-390 MHz / 4 W
- 128 Channels / 128 Zones
- 8 Character Alphanumeric Aliases
- LTR® Trunking (TK-3170 only)
- GPS Connectivity (KMC-48GPS)



TK-2360/3360

FleetSync  

- VHF: 136-174 MHz / 5 W
- UHF: 400-470 MHz / 5 W
- 16 Channels
- 70 MHz for UHF
- MDC-1200 Signalling
- 4-colour LED Indicator
- GPS Connectivity (KMC-48GPS)



TK-2317/3317

FleetSync  

- VHF: 136-174 MHz / 5 W
- UHF: 450-520, 400-470 MHz / 5 W
- 128 Channels / 128 Zones
- 70 MHz for UHF
- GPS Connectivity (KMC-48GPS)
- 8 Character Alphanumeric Aliases
- 4-colour LED Indicator
- Built-in MDC-1200 Signalling



TK-2307/3307

FleetSync  

- VHF: 136-174 MHz / 5 W
- UHF: 450-490, 440-480 MHz / 4 W
- 350 MHz: 350-390 MHz / 4 W
- 16 Channels
- 3-colour LED Indicator
- Built-in MDC-1200 Signalling



TK-2000/3000



- VHF: 136-174 MHz / 5 W
- UHF: 440-480, 400-430, 350-390 MHz / 4 W
- 16 Channels
- All-in-One Package
- 3-colour LED Indicator



TK-3230



- 460-470 MHz / 1.5 W
- All-in-One Package
- 4 Character Alphanumeric Aliases

Mobile Radios



TK-7360(H)/8360(H) FleetSync



- VHF: 136-174 MHz / 25, 50 W
- UHF: 450-520, 400-470 MHz / 25, 45 W
- 350 MHz: 350-400 MHz / 25 W
- 128 Channels / 128 Zones
- 70 MHz for UHF
- 10 Character Alphanumeric Aliases
- External D-Sub 15-pin Interface
- Built-in MDC-1200 Signalling
- 4-colour LED Indicator
- GPS Connectivity



TK-7302(H)/8302(H) FleetSync



- 16 Channels / 2 Zones
- VHF: 136-174 MHz / 25, 50 W
- UHF: 450-520, 400-470 MHz / 25, 45 W
- 350 MHz: 350-400 MHz / 25 W
- 100 Channels / 4 Zones
- VHF: 136-174MHz / 50 W
- UHF: 400-470MHz / 45 W
- 350 MHz: 350-400 MHz / 25 W
- External D-Sub 15-pin Interface
- Built-in MDC-1200 Signalling
- 4-colour LED Indicator
- GPS Connectivity
- 2 Character Alphanumeric Aliases

Model availability may vary depending on the country or region.

FM Analogue 800 MHz / HF & Repeaters

800 MHz Radios



TK-480



- 806-870 MHz / 2.5 W
- Max. 600 Channels (Conventional)
- LTR® Trunked Systems
- Conventional Systems
- 32 Systems / 250 Groups (LTR®)
- 10 Character Alphanumeric Aliases



TK-980



- 806-870 MHz / 15 W
- Max. 600 Channels (Conventional)
- LTR® Trunked Systems
- Conventional Systems
- 32 Systems / 250 Groups (LTR®)
- 10 Character Alphanumeric Alias

HF & Repeaters



TK-90



- RX: 0.5-30 MHz
 - TX: 1.8-30 MHz
 - 100 W (SSB/CW/FSK)
 - 25 W (AM)
 - 300 Channels
 - Remote Control Head Option
 - GPS Connectivity
- *Remote Control Head Only



TKR-750/850

- VHF: 146-174 MHz, 136-150 MHz, 50 W to 25 W
- UHF: 450 - 480 MHz, 480 - 512 MHz, 400-430 MHz, 350-390 MHz, 40 W to 25 W
- 100 % Duty @ 25 W
- Simplex or Duplex Base Operation
- 16 Full-Duplex Channels

License Free Radios

PMR446



TK-3301



- 0.5 W RF Output
- 16 Channels, 8 pre-stored PMR446 frequencies
- Voice announcement
- Long battery operation
- 500 mW Audio Output



UBZ-LJ8

- 0.5 W RF Output
- 8 Channels
- Available 3 AA Alkaline Batteries
- 90 mW Audio Output

CB Transceiver

TK-2310R ProTalk245



- 80 CB Channels, compliant with Thailand CB Regulations
- 5/1 W RF Output



Model availability may vary depending on the country or region.

Amateur Radios

Base Stations



TS-2000 All Mode Multibander

- HF / 50 / 144 / 430 MHz
- 1200 MHz with Optional UT-20
- Built-in TCXO
- Built-in 1200 / 9600 bps TNC with AX.25 Protocol
- Satellite Communications
- Optional RC-2000 Mobile Controller
- Kenwood Skycommand System II



TS-590S HF/50 MHz All Mode Transceiver

- HF / 50 MHz
- 500 Hz / 2.7 kHz Roofing Filter
- 32-bit Floating Point DSP
- 100 W Heavy-Duty
- Automatic Antenna Tuner
- Optional TCXO
- USB Port for PC Connectivity
- Kenwood Skycommand System II



TS-480HX/SAT HF/50 MHz All Mode Transceiver

- HF / 50 MHz
- 200W RF Output, 100w @ 50 MHz (TS-480HX)
- 100 W RF Output (TS-480SAT)
- All Amateur Bands (1.8 MHz to 50 MHz) for TX
- 16-bit AF DSP
- Twin Cooling Fans (TS-480HX)
- Separate LCD Control Panel

Mobile Radios



TM-D710A 144/430 MHz FM Dual Bander

- 144 / 430 MHz
- 50 W RF Output
- Built-in 1200 / 9600 bps TNC with AX.25 Protocol
- APRS® Ready
- Separate Panel
- Simple Node Access with EchoLink® Memory
- Dual Receive on Same Band (VxV, UxU)
- Kenwood Skycommand System II



TM-V71A 144/430 MHz FM Dual Bander

- 144 / 430 MHz
 - 50 W RF Output
 - Dual Receive on Same Band (VxV, UxU)
 - Simple Node Access with EchoLink® Memory
 - Wide Reception: 118-524MHz, 800-1300MHz*
 - Invertible Front Panel
- *Excluding cellular blocked + frequencies



TM-281A/481A FM Mono Band Transceiver

- 136-174 MHz (TM-281A), 400-470 MHz (TM-481A)
- 65 W/25 W (TM-281A), 45 W/25 W (TM-481A) RF power
- Large 58 x 35mm oval speaker
- 200 Memory Channels + 1 Call-Channel
- Multiple Scan Modes
- 42 CTCSS & 104 DCS Sub-tone Frequency Coverage



Portable Radios



TH-D72A 144/430 MHz FM Dual Bander



- 5 W RF Output
- Built-in High Performance GPS Receiver
- Built-in APRS® Firmware
- USB (Mini-B) Port
- Built-in 1200 / 9600 bps TNC with AX.25 Protocol
- Stand-alone Digipeater
- Simple Node Access with EchoLink® Memory
- Kenwood Skycommand System II



TH-F7E 144/430 MHz FM Dual Bander



- 5 W RF Output
- Dual Receive on Same Band (VxV, UxU)
- 0.1-1300 MHz Wideband Receiver
- 1200 / 9600 bps Packet Function (ext. TNC)
- Built-in VOX



TH-K20A/K40A

144/430 MHz Mono Band FM Transceiver



- 5.5 W (TH-K20A), 5 W (TH-K40A) RF Output
- 200 Channels with 6-Digit Memory Name
- High Sound Pressure for Audio Clarity
- 11 Pre-programmed Direct Function Keys and 1 Customizable Function Key
- Supplied Li-ion Battery & Cradle Charger
- Built-in VOX



TH-255A 144 MHz FM Transceiver



- 5.5 W RF Output
- 400 mW Speaker
- 100 Memory Channels
- 8-hour Continuous Operation

Model availability may vary depending on the country or region.

Intrinsically Safe

ATEX

TK-2260EX/3360EX + KNB-58LEX/64LEX

- ATEX Certified to EU 94/9/EC:-
- Gas: II2G Ex ib IIC T4
- Dust: II2D Ex tD ibD A21 IP6X T110C
- Mining: IM2 Ex ib I
- Frequency: 136-174, 440-470 MHz
- 16 Channels
- 1.2 Watt RF Output
- Built-In Voice Scrambler
- FleetSync® Digital Signalling
- 5-Tone Signalling
- Emergency Features
- Immersion IP64/65
- KNB-58LEX Li-ion Battery 7.4V/1880mAh
- KNB-64LEX Li-ion Battery 7.4V/1030mAh



CSA

NX-410 + KNB-41NC

- CSA Certificate
- IS /I, II, III/1/DEFG/T3C
- Frequency: 806-870 MHz
- 128 Zones / 512 Channels
- 3 Watts RF Output
- Analogue FM and NXDN® Dual mode
- NXDN® Digital Conventional
- NXDN® Digital Trunking
- FleetSync® Digital Signalling
- Emergency Features
- KNB-41NC Ni-MH Battery 7.2V/2500mAh



FM

TK-5220/5320 + KNB-50NC



- FM Approvals
- IS /I, II, III/1/CDEFG/T3C
- Frequency: 136-174, 400-470, 450-520 MHz
- 128 Zones / 512 Channels
- 5 Watts RF Output
- Emergency Features
- Analogue FM and P25 Dual mode
- P25 Digital Conventional
- P25 Digital Trunking
- FleetSync® / MDC-1200 Digital Signalling on Analogue FM
- KNB-50NC Ni-MH Battery 7.2V/2000mAh



NX-200/300 + KNB-50NC



- FM Approvals
- IS /I, II, III/1/CDEFG/T3C
- Frequency: 136-174, 400-470, 450-520 MHz
- 128 Zones/ 512 Channels
- 5 Watts RF Output
- Emergency Features
- Analogue FM and NXDN® Dual mode
- NXDN® Digital Conventional
- NXDN® Digital Trunking
- FleetSync® / MDC-1200 Digital Signalling on Analogue FM
- KNB-50NC Ni-MH Battery 7.2V/2000mAh



TK-2180/3180 + KNB-41NC



- FM Approvals
- IS /I, II, III/1/CDEFG/T3C
- Frequency: 136-174, 400-470, 450-520 MHz
- 128 Zones/ 512 Channels
- KNB-41NC Ni-MH Battery 7.2V/2500mAh



Worldwide Directives/ Certifications for IS Radios

ATEX directives are EU standards covering equipment to be used where there is a potential risk from explosive atmospheres; certified products eliminate the risk of ignition and ensure safe operation.

FM Approvals is a notified body (a third-party certification agency) for ATEX and is accredited by the Standards Council of Canada (SCC); it also participates in the international IECEx certification scheme. In China **CQST** is a safety certification scheme for electrical products to be used in hazardous areas. And in North America, **USTC** certification assure conformity with relevant US and Canadian standards.

CQST (China national Quality Supervision and Test centre for explosion protected electrical products)

TK-2178/3178 + KNB-40LC (CQST)



- CQST Approvals
- Gas: ExIIIBT3
- Dust: DIP A22 TA, T3
- Frequency: 136-174 MHz (TK-2178)
- Frequency: 400-430, 440-480, 350-390 MHz (TK-3178)
- 3 Watts RF Output
- Conventional Software Version
- MPT1327 Trunking Software Version
- KNB-40LC Li-ion Battery 7.4V/2000mAh



TK-2360/3360 + KNB-40LC (CQST)



- CQST Approvals
- Gas: ExIIIBT3
- Dust: DIP A22 TA, T3
- Frequency: 136-174, 400-470 MHz
- 3 Watts RF Output
- KNB-40LC Li-ion Battery 7.4V/2000mAh



USTC (ANSI / UL 913)

NX-220/320 + KNV-40LCV (USTC)



- SGS USTC Confirmation
- IS / I, II, III / 1 / C,D,F,G
- NI / I, II, III / 2 / A,B,C,D,F,G
- Frequency: 136-174 (NX-220), 400-470, 450-520 MHz (NX-320)
- 128 Zones / 260 CH-GID (LCD Models)
- 4 Zones / 64 CH-GID (Non-LCD Models)
- 5 Watts RF Output
- FleetSync® / MDC-1200 Digital Signalling on Analogue FM
- KNV-40LCV Li-ion Battery 7.4V/2000mAh



TK-2170/3170 + KNB-40LC (USTC)



- SGS USTC Confirmation
- IS / I, II, III / 1 / A,B,C,D,E,F,G
- NI / I, II, III / 2 / A,B,C,D,F,G
- Frequency: 136-174, 400-430, 450-490 MHz
- 128 Zones / 512 Channels
- 5 Watts RF Output (TK-2170)
- 4 Watts RF Output (TK-3170)
- FleetSync® Digital Signalling
- Emergency Features
- KNB-40LC Li-ion Battery 7.4V/2000mAh



TK-2360/3360 + KNB-40LCV (USTC)



- SGS USTC Confirmation
- IS / I, II, III / 1 / C,D,E,F,G
- NI / I, II, III / 2 / A,B,C,D,F,G
- Frequency: 136-174, 400-470, 450-520 MHz
- 128 Zones / 512 Channels
- 5 Watts RF Output
- KNB-40LCV Li-ion Battery 7.4V/2000mAh



Note: Please read the IS Manual very carefully before using the IS radio. The radio/battery combination must be strictly observed. There must be no substitution of items, even if the substitute has been previously approved for use with other KENWOOD communications equipment. Do not use the radio with any battery or accessories or options in a hazardous atmosphere unless they are specifically certified for such use; otherwise, an explosion or fire could result. Charge batteries only in areas known to be non-hazardous (in fresh air).

Model availability may vary depending on the country or region.

Optional Accessories for LMR Portable Radios

● Antenna

	KRA-22			KRA-23			KRA-26			KRA-27			KRA-32	KRA-35
	VHF Helical Antenna Short Type			UHF Helical Antenna Short Type			VHF Helical Antenna (Capless)			UHF Whip Antenna (Capless)			700/800 MHz Whip Antenna	UHF Whip Antenna (Capless, 335-400MHz)
														
	M	M2	M3	M	M2	M3	M	M2	M3	M	M2	M3	K	W
Colour	RED	ORANGE	BROWN	WHITE	GREEN	EMERALD GREEN	RED	ORANGE	BROWN	RED	GREEN	BROWN	—	BLUE
Frequency (MHz)	146-162	162-174	136-150	440-490	470-520	400-450	146-162	162-174	136-150	440-490	470-520	400-450	763-870	335-400
Length (mm)	110	110	110	80	80	80	167.5	167.5	167.5	150	140	171	183	110
NX-200/300	●	—	—	—	●	—	—	—	—	—	—	—	—	● (for NX-300[K5/K6])
NX-220/320	●	—	—	—	●	—	—	—	—	—	—	—	—	—
NX-410	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TK-5410	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TK-5220/5320	●	—	—	—	●	—	—	—	—	—	—	—	—	—
TK-2180/3180	●	—	—	—	●	—	—	—	—	—	—	—	—	—
TK-2178/3178	●	—	—	—	●	—	—	—	—	—	—	—	—	—
TK-2170/3170	●	—	—	—	●	—	—	—	—	—	—	—	—	—
TK-2360/3360	●	—	—	—	●	—	—	—	—	—	—	—	—	—
TK-2317/3317	●	—	—	—	●	—	—	—	—	—	—	—	—	—
TK-2307/3307	●	—	—	—	●	—	—	—	—	—	—	—	—	—
TK-3230	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TK-2000/3000	●	—	—	—	●	—	—	—	—	—	—	—	—	—
TK-480	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TK-3301	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TK-2310R	—	—	—	—	—	—	—	—	—	—	—	—	—	—

● Batteries

	KNB-48L	KNB-47L	KNB-57L	KNB-56N	KNB-55L	KNB-54N	KNB-33L																																										
	Li-ion Battery 7.4V/2550mAh	Li-ion Battery 7.4V/1950mAh	Li-ion Battery 7.2V/2000mAh	Ni-MH Battery 7.2V/1400mAh	Li-ion Battery 7.2V/1480mAh	Ni-MH Battery 7.2V/2500mAh	Li-ion Battery 7.4V/1700mAh																																										
																																																	
NX-200/300	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																
NX-220/320	—	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—																																
NX-410	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																
TK-5410	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																
TK-5220/5320	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																
TK-2180/3180	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																
TK-2178/3178	—	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—																																
TK-2170/3170	—	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—																																
TK-2360/3360	—	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—																																
TK-2317/3317	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																
TK-2307/3307	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																
TK-3230	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																
TK-2000/3000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																
TK-480	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																
TK-3301	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																
TK-2310R	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																

	KNB-26N	KNB-45L	KNB-53N	KNB-29N	KNB-63L	KNB-65L	KNB-21N																																										
	Ni-MH Battery 7.2V/2000mAh	Li-ion Battery 7.4V/2000mAh	Ni-MH Battery 7.2V/1400mAh	Ni-MH Battery 7.2V/1500mAh	Li-ion Battery 7.2V/1100mAh	Li-ion Battery 7.4V/1520mAh	Ni-MH Battery 7.2V/1600mAh																																										
																																																	
NX-200/300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																
NX-220/320	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																
NX-410	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																
TK-5410	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																
TK-5220/5320	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																
TK-2180/3180	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																
TK-2178/3178	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																
TK-2170/3170	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																
TK-2360/3360	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																
TK-2317/3317	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																
TK-2307/3307	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																
TK-3230	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																
TK-2000/3000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																
TK-480	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																
TK-3301	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																
TK-2310R	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—																																

Batteries

	KNB-52N Ni-MH Battery 7.2V/1400mAh	KNB-46L Li-ion Battery 3.7V/2000mAh	BT-16 Battery Case (AAA x 6)	KBP-7 Battery Case (AA x 6)	KBP-6 Battery Case (AA x 6)	KBP-5 Battery Case (AA x 6)
						
NX-200/300	—	—	—	●	—	—
NX-220/320	—	—	—	—	—	●
NX-410	—	—	—	—	●	—
TK-5410	—	—	—	—	●	—
TK-5220/5320	—	—	—	—	—	—
TK-2180/3180	—	—	—	—	●	—
TK-2178/3178	—	—	—	—	—	●
TK-2170/3170	—	—	—	—	—	●
TK-2360/3360	—	—	—	—	—	●
TK-2317/3317	—	—	—	—	—	—
TK-2307/3307	—	—	—	—	—	—
TK-3230	—	●	—	—	—	—
TK-2000/3000	—	—	●	—	—	—
TK-480	●	—	—	—	—	—
TK-3301	—	—	—	—	—	—
TK-2310R	—	—	—	—	—	—

Chargers

	KSC-326 Multiple Rapid Charger	KSC-32S Rapid Charger	KSC-30 Standard Charger	KSC-256 Multiple Rapid Charger	KSC-25/L Rapid Charger	KVC-22 Vehicular Charger
						
NX-200/300	●	●	—	—	—	—
NX-220/320	—	—	—	●	●	—
NX-410	●	●	—	—	—	—
TK-5410	●	●	—	—	—	—
TK-5220/5320	●	●	—	—	—	—
TK-2180/3180	●	●	—	—	—	—
TK-2178/3178	—	—	● (for KNB-56N)	●	●	—
TK-2170/3170	—	—	● (for KNB-56N)	●	●	—
TK-2360/3360	—	—	● (for KNB-56N)	●	●	—
TK-2317/3317	—	—	—	—	—	—
TK-2307/3307	—	—	—	—	—	—
TK-3230	—	—	—	—	—	—
TK-2000/3000	—	—	—	—	—	●
TK-480	—	—	—	—	—	—
TK-3301	—	—	—	—	—	—
TK-2310R	—	—	—	—	—	—

	KSC-356 Multiple Rapid Charger	KSC-35S Rapid Charger	KSC-316 Multiple Standard Charger	KSC-31 Standard Charger	KSC-24 Rapid Charger
					
NX-200/300	—	—	—	—	—
NX-220/320	—	—	—	—	—
NX-410	—	—	—	—	—
TK-5410	—	—	—	—	—
TK-5220/5320	—	—	—	—	—
TK-2180/3180	—	—	—	—	—
TK-2178/3178	—	—	—	—	—
TK-2170/3170	—	—	—	—	—
TK-2360/3360	—	—	—	—	—
TK-2317/3317	● (for KNB-45L)	● (for KNB-45L)	● (for KNB-29N/53N)	● (for KNB-29N/53N)	—
TK-2307/3307	● (for KNB-45L)	● (for KNB-45L)	● (for KNB-29N/53N)	● (for KNB-29N/53N)	—
TK-3230	—	—	—	—	—
TK-2000/3000	—	●	—	—	—
TK-480	—	—	—	—	●
TK-3301	● (for KNB-45L)	● (for KNB-45L)	● (for KNB-29N/53N)	● (for KNB-29N/53N)	—
TK-2310R	● (for KNB-45L)	● (for KNB-45L)	● (for KNB-29N/53N)	● (for KNB-29N/53N)	—

Model availability may vary depending on the country or region.

Optional Accessories for LMR Portable Radios

• Audio Accessories

	KHS-11BL	KHS-14	KHS-15-BH	KHS-15-OH	KEP-1	KHS-12BL	KHS-8BL/8BE	KHS-9BL/9BE	KHS-21
	2-Wire Palm Microphone with Earphone	Lightweight Single Muff Headset with PTT	Behind-the-Head Heavy Duty Headset	Over-the-Head Heavy Duty Headset	3.5mm Earphone Kit	3-Wire Mini Lapel Microphone with Earphone	2-Wire Palm Microphone with Earphone	3-Wire Lapel Microphone with Earphone	Headset
NX-200/300	●	●	●	●	● (for KMC-25)	—	—	—	—
NX-220/320	—	—	—	—	—	—	●	●	●
NX-410	●	●	●	●	● (for KMC-25)	●	—	—	—
TK-5410	●	●	●	●	● (for KMC-25)	—	—	—	—
TK-5220/5320	●	●	●	●	● (for KMC-25)	●	—	—	—
TK-2180/3180	●	●	●	●	● (for KMC-25)	●	—	—	—
TK-2178/3178	—	—	—	—	—	—	●	●	●
TK-2170/3170	—	—	—	—	—	—	●	●	●
TK-2360/3360	—	—	—	—	—	—	●	●	●
TK-2317/3317	—	—	—	—	—	—	●	●	●
TK-2307/3307	—	—	—	—	—	—	●	●	●
TK-3230	—	—	—	—	—	—	●	●	—
TK-2000/3000	—	—	—	—	—	—	—	—	●
TK-480	●	●	●	●	● (for KMC-25)	●	—	—	—
TK-3301	—	—	—	—	—	—	—	—	●
TK-2310R	—	—	—	—	—	—	●	●	●

	KHS-22	KHS-23	KEP-2	EMC-7	KHS-1	KHS-7/7A	EMC-3	KHS-27	KHS-25
	Behind-the-Head Lightweight Headset	2-Wire Palm Microphone	2.5mm Earphone Kit	Clip Microphone with Earhanger and PTT	Headset with VOX/PTT	Lightweight Single Muff Headset	Clip Microphone with Earhanger and PTT	Heavy Duty Behind the Headset	Ear Hanger Headset
NX-200/300	—	—	—	—	—	—	—	—	—
NX-220/320	●	●	● (for KMC-17/21)	●	—	—	—	—	—
NX-410	—	—	—	—	—	—	—	—	—
TK-5410	—	—	—	—	—	—	—	—	—
TK-5220/5320	—	—	—	—	—	—	—	—	—
TK-2180/3180	—	—	—	—	—	—	—	—	—
TK-2178/3178	●	●	● (for KMC-17/21)	●	●	●	●	—	—
TK-2170/3170	●	●	● (for KMC-17/21)	●	●	●	●	—	—
TK-2360/3360	—	—	—	●	●	—	—	—	—
TK-2317/3317	—	●	● (for KMC-17/21)	●	●	●	—	●	●
TK-2307/3307	●	●	● (for KMC-17/21)	●	●	●	—	●	●
TK-3230	●	●	● (for KMC-17/21)	●	—	●	●	●	●
TK-2000/3000	—	—	—	—	●	—	●	—	—
TK-480	—	—	—	—	—	—	●	—	—
TK-3301	—	—	—	●	●	—	●	—	—
TK-2310R	—	●	● (for KMC-17/21)	●	●	●	—	●	●

	KHS-26	KMC-41	KMC-42W	KMC-47GPS	KMC-25(S)	KMC-48GPS	KMC-45	KMC-21
	Clip Microphone with Earphone	IP55 Speaker Microphone	IP67 Speaker Microphone	GPS Speaker Microphone	Speaker Microphone	GPS Speaker Microphone	Speaker Microphone	Compact Low-Profile Speaker Microphone
NX-200/300	—	●	●	●	●	—	—	—
NX-220/320	—	—	—	—	—	●	●	●
NX-410	—	●	●	●	●	—	—	—
TK-5410	—	●	●	●	●	—	—	—
TK-5220/5320	—	●	●	●	●	—	—	—
TK-2180/3180	—	—	—	—	—	—	—	—
TK-2178/3178	—	—	—	—	—	●*	●	●
TK-2170/3170	—	—	—	—	—	●*	●	●
TK-2360/3360	—	—	—	—	—	—	●	●
TK-2317/3317	●	—	—	—	—	—	●	●
TK-2307/3307	●	—	—	—	—	—	●	●
TK-3230	—	—	—	—	—	—	●	●
TK-2000/3000	—	—	—	—	—	—	●	●
TK-480	—	●	●	—	●	—	—	—
TK-3301	—	—	—	—	—	—	—	●
TK-2310R	●	—	—	—	—	●	●	●

*Depend on the Production Lot

• Belt Clips, Others

	KBH-11	KBH-12	KBH-10	KBH-14	KBH-18	VGS-1	KPG-36U	KPG-22U
	Belt Clip	Voice Guide & Storage Unit	USB Programming Interface Cable (14-pin Universal Connector)	USB Programming Interface Cable (2-pin F-type Jack)				
								
NX-200/300	●	—	●	—	—	●	●	—
NX-220/320	—	●	—	—	—	—	—	●
NX-410	—	—	—	—	—	●	●	—
TK-5410	●	—	—	—	—	●	●	—
TK-5220/5320	●	—	—	—	—	●	●	—
TK-2180/3180	●	—	●	—	—	●	●	—
TK-2178/3178	—	●	—	—	—	—	—	●
TK-2170/3170	—	●	—	—	—	—	—	●
TK-2360/3360	—	●	—	—	—	—	—	●
TK-2317/3317	—	—	●	—	—	—	—	●
TK-2307/3307	—	—	●	—	—	—	—	●
TK-3230	—	—	—	●	—	—	—	●
TK-2000/3000	—	—	—	—	●	—	—	●
TK-480	—	—	●	—	—	—	●	—
TK-3301	—	—	●	—	—	—	—	●
TK-2310R	—	—	●	—	—	—	—	●

Optional Accessories for LMR Mobile Radios & Repeaters

• Audio Accessories

	KMC-35	KMC-36	KMC-30	KMC-32	KMC-9C	KMC-28	KMC-27
	Microphone (IP55 approved)	12Keys Microphone (IP55 approved)	Microphone	16Keys Microphone	Desktop Microphone	Microphone with 12Keys Pad	Microphone with 12-pin Connector
							
NX-700(H)/800(H)	●	●	●	●	●	—	—
NX-720H(G)/820H(G)	●	●	●	●	—	—	—
NX-900	●	●	●	●	●	—	—
TK-5910	—	—	—	—	—	●	●
TK-5720/5820	●	●	●	●	●	—	—
TK-7180/8180	●	●	●	●	●	—	—
TK-8185	●	●	●	●	●	—	—
TK-7360(H)/8360(H)	●	●	●	●	●	—	—
TK-7302(H)/8302(H)	●	●	●	●	●	—	—
TK-980	—	—	●	●	—	—	—
TK-90	●	●	●	●	—	—	—
NXR-700/800	●	—	●	—	●	—	—
NXR-710/810	●	—	●	—	●	—	—
NXR-900	●	—	●	—	●	—	—
TKR-750/850	●	—	●	—	●	—	—

	KMC-9B	KCH-15	KCH-14	KES-5	KES-3	KRA-40G
	Desktop Microphone	Full-featured Remote Control Head	Basic Remote Control Head	'External Speaker (40W)	External Speaker (3W)	GPS Active Antenna
						
NX-700(H)/800(H)	—	—	—	●	●	—
NX-720H(G)/820H(G)	—	—	—	●	●	●
NX-900	—	—	—	●	●	—
TK-5910	●	●	●	●	—	—
TK-5720/5820	—	—	—	●	—	—
TK-7180/8180	—	—	—	●	●	—
TK-8185	—	—	—	●	●	—
TK-7360(H)/8360(H)	—	—	—	●	●	—
TK-7302(H)/8302(H)	—	—	—	—	●	—
TK-980	—	—	—	●	●	—
TK-90	—	—	—	—	●	—
NXR-700/800	—	—	—	●	—	—
NXR-710/810	—	—	—	●	—	—
NXR-900	—	—	—	●	—	—
TKR-750/850	—	—	—	●	—	—

Model availability may vary depending on the country or region.

Optional Accessories for LMR Mobile Radios & Repeaters

• Power Supply, Cables and Others

	KPG-46U	KPG-43U	KCT-46	KCT-23 M,M3	KCT-39
	USB Programming Interface Cable (8-pin Modular Connector)	USB Programming Interface Cable (12-pin Universal Connector)	Ignition Sense Cable	DC Cable for Under-dash Mount (M:3m length, M3:7m length)	Connection Cable
					
NX-700(H)/800(H)	●	—	●	●	—
NX-720H(G)/820H(G)	●	—	—	—	—
NX-900	●	—	●	●	—
TK-5910	—	●	—	●	—
TK-5720/5820	●	—	●	●	—
TK-7180/8180	●	—	●	●	—
TK-8185	●	—	●	●	—
TK-7360(H)/8360(H)	●	—	—	—	—
TK-7302(H)/8302(H)	●	—	—	—	—
TK-980	●	—	—	—	—
TK-90	●	—	—	—	●
NXR-700/800	—	—	—	—	—
NXR-710/810	●	—	—	—	—
NXR-900	—	—	—	—	—
TKR-750/850	●	—	—	—	—

	KCT-31	KCT-18	KCT-60	KCT-22M	KCT-22 M2
	Interface Cable	Ignition Sense Cable	Connection Cable (DB15 to Molex15)	Control Cable (2.4m)	Control Cable (5.2m)
					
NX-700(H)/800(H)	—	—	—	—	—
NX-720H(G)/820H(G)	—	—	●	—	—
NX-900	—	—	—	—	—
TK-5910	—	●	—	●	●
TK-5720/5820	—	—	—	—	—
TK-7180/8180	—	—	—	—	—
TK-8185	—	—	—	—	—
TK-7360(H)/8360(H)	—	● (requires KCT-60)	●	—	—
TK-7302(H)/8302(H)	—	●	—	—	—
TK-980	●	●	—	—	—
TK-90	●	●	—	●	●
NXR-700/800	—	—	—	—	—
NXR-710/810	—	—	—	—	—
NXR-900	—	—	—	—	—
TKR-750/850	—	—	—	—	—

	KCT-22 M3	PG-20	KRK-10	KRK-5	KRK-6DH
	Control Cable (7.6m)	DC Cable (7m)	Remote Panel Kit (7m)	Single Control Head Remote Kit	Dual Control Head Remote Unit
					
NX-700(H)/800(H)	—	—	●	—	—
NX-720H(G)/820H(G)	—	—	—	—	—
NX-900	—	—	●	—	—
TK-5910	●	—	—	●	●
TK-5720/5820	—	—	●	—	—
TK-7180/8180	—	—	●	—	—
TK-8185	—	—	●	—	—
TK-7360(H)/8360(H)	—	—	—	—	—
TK-7302(H)/8302(H)	—	—	—	—	—
TK-980	—	—	—	—	—
TK-90	●	●	—	●	—
NXR-700/800	—	—	—	—	—
NXR-710/810	—	—	—	—	—
NXR-900	—	—	—	—	—
TKR-750/850	—	—	—	—	—

	KMB-10	KMB-19	KMB-9	KAP-2	KLF-2
	Key Lock Adaptor	Installation Kit (except Mic.)	Mounting Bracket	PA, HA Unit	Line Filter
					
NX-700(H)/800(H)	●	—	—	●	●
NX-720H(G)/820H(G)	●	—	—	—	—
NX-900	●	—	—	●	●
TK-5910	●	—	●	—	●
TK-5720/5820	●	—	—	●	●
TK-7180/8180	●	—	—	●	●
TK-8185	●	—	—	●	●
TK-7360(H)/8360(H)	●	—	—	—	●
TK-7302(H)/8302(H)	●	●	—	—	●
TK-980	●	—	—	—	●
TK-90	●	—	●	—	●
NXR-700/800	—	—	—	—	—
NXR-710/810	—	—	—	—	—
NXR-900	—	—	—	—	—
TKR-750/850	—	—	—	—	—

	VGS-1	KAT-1	KIF-2	KPE-2	KXK-3
	Voice Guide & Storage Unit	External Auto Antenna Tuner	SSB Filter (2.7 kHz)	ALE Unit	0.1 ppm OCXO
					
NX-700(H)/800(H)	●	—	—	—	—
NX-720H(G)/820H(G)	—	—	—	—	—
NX-900	●	—	—	—	—
TK-5910	●	—	—	—	—
TK-5720/5820	●	—	—	—	—
TK-7180/8180	●	—	—	—	—
TK-8185	●	—	—	—	—
TK-7360(H)/8360(H)	●	—	—	—	—
TK-7302(H)/8302(H)	—	—	—	—	—
TK-980	—	—	—	—	—
TK-90	●	●	●	●	—
NXR-700/800	—	—	—	—	●
NXR-710/810	—	—	—	—	—
NXR-900	—	—	—	—	●
TKR-750/850	—	—	—	—	—

	YF-107C	KAS-10	KAS-11	KVT-11	KTI-3
	CW Filter (500Hz)	AVL/Dispatcher Software	Image Viewer	Image Encoder	Network Interface Unit
					
NX-700(H)/800(H)	—	● (Base, Fleet)	●	●	—
NX-720H(G)/820H(G)	—	—	—	—	—
NX-900	—	—	—	—	—
TK-5910	—	—	—	—	—
TK-5720/5820	—	● (Base, Fleet)	—	—	—
TK-7180/8180	—	● (Base, Fleet)	—	—	—
TK-8185	—	—	—	—	—
TK-7360(H)/8360(H)	—	Fleet Radio	—	—	—
TK-7302(H)/8302(H)	—	Fleet Radio	—	—	—
TK-980	—	—	—	—	—
TK-90	●	—	—	—	—
NXR-700/800	—	—	—	—	—
NXR-710/810	—	—	—	—	●
NXR-900	—	—	—	—	—
TKR-750/850	—	—	—	—	—

Model availability may vary depending on the country or region.

Optional Accessories for Amateur Radios & License Free Radios

• Base Station

	DRU-3A	HS-5	HS-6	LF-30A	MB-430	MB-480	MC-43S
	Digital Recording Unit	Deluxe Headphones	Small Headphones	Low-Pass Filter	Mobile Mount	Mobile Mount	Hand Microphone
							
TS-2000	●	●	●	●	●	—	●
TS-590S	—	●	●	●	●	—	●
TS-480HX/SAT	—	●	●	●	—	●	● (requires MJ-88)

	MC-47	MC-60A	MC-90	MJ-88	PG-2Z	PG-20	PG-4Z
	Multi-Function Hand Microphone	Deluxe Desktop Microphone	DSP-Compatible Desktop Microphone	Modular Plug Adapter	DC Power Cable (2m)	DC Power Cable (7m)	Panel Extension Cable Kit (4m)
							
TS-2000	●	●	●	—	●	—	—
TS-590S	●	●	●	—	—	●	—
TS-480HX/SAT	● (requires MJ-88)	● (requires MJ-88)	● (requires MJ-88)	●	—	●	●

	SO-3	SP-23	SP-50B	VGS-1	VS-3	YF-107C	YF-107CN	YF-107SN
	TCXO	External Speaker	Mobile Speaker	Voice Guide & Storage Unit	Voice Synthesiser Unit	CW Filter (500Hz)	CW Narrow Filter (260Hz)	SSB Narrow Filter (1.8kHz)
								
TS-2000	—	●	●	—	●	—	—	—
TS-590S	●	●	●	●	—	—	—	—
TS-480HX/SAT	●	●	●	●	—	●	●	●

*Amateur Radio products software download website
http://www.kenwood.com/i/products/info/amateur/software_download.html

• Mobile

	DFK-3D	KMC-30	KMC-32	MC-59	MC-60A	MJ-88	PG-2N
	Detachable Front Panel Kit (3m)	Microphone (8-pin Modular)	16 Keys Microphone (8-pin)	16 Keys Microphone (8-pin)	Deluxe Desktop Microphone	Modular Plug Adapter	DC Power Cable (2m)
							
TM-D710	●	—	—	●	● (requires MJ-88)	●	●
TM-V71	●	—	—	●	● (requires MJ-88)	●	●
TM-281A/481A	—	●	●	—	● (requires MJ-88)	●	●

	PG-3B	PG-5A	PG-5F	PG-5G	PG-5H	SP-50B	VGS-1
	DC Line Noise Filter	Data Cable	Extension Cable Kit (4m)	Programming Interface Cable	PC Interface Cable Kit	Mobile Speaker	Voice Guide & Storage Unit
							
TM-D710	●	●	●	●	●	●	●
TM-V71	●	●	●	●	●	●	●
TM-281A/481A	●	●	—	—	—	●	—

● **Portable**

	KNB-63L	KNB-65L	PB-45L	PB-42L	PB-43N	BT-16	BT-15	BT-13	BT-14
	Li-ion Battery (7.4V/1130mAh)	Li-ion Battery (7.4V/1520mAh)	Li-ion Battery (7.4V/1800mAh)	Li-ion Battery (7.4V/2000mAh)	Ni-MH Battery (7.2V/1100mAh)	Alkaline Battery Case (AAA x 6)	Alkaline Battery Case (AAA x 6)	Alkaline Battery Case (AA x 4)	Alkaline Battery Case (AA x 6)
									
TH-D72A	—	—	●	—	—	—	●	—	—
TH-F7E	—	—	—	●	—	—	—	●	—
TH-K20A/K40A	●	●	—	—	—	●	—	—	—
TH-255A	—	—	—	—	●	—	—	—	●

	EMC-3	EMC-7	HMC-3	KHS-21	KSC-24	KSC-35S
	Clip Microphone with Earphone and PTT	Clip Microphone with Earphone and PTT	Headset with VOX/PTT	Headset	Rapid Charger	Rapid Charger
						
TH-D72A	●	—	●	●	—	—
TH-F7E	●	—	●	●	—	—
TH-K20A/K40A	—	—	—	●	—	●
TH-255A	●	●	—	●	●	—

	KVC-22	PG-2W	PG-3J	SMC-32	SMC-33	SMC-34
	Vehicular Charger Adapter	DC Power Cable	Filtered Cigarette Lighter Cord	Speaker Microphone	Speaker Microphone	Speaker Microphone
						
TH-D72A	—	●	●	●	●	●
TH-F7E	—	●	●	●	●	●
TH-K20A/K40A	● (for KSC-35S)	—	—	●	●	●
TH-255A	—	—	—	●	●	●

● **UBZ-LJ8**

	UPB-5N	UBC-2	UBC-4	KHS-21	KHS-29F
	Ni-MH Battery	Twin Charger	Charger	Headset	Clip Microphone with Earhanger
					
UBZ-LJ8	●	●	●	●	●

	EMC-3	EMC-7	HMC-3	SMC-32	SMC-33	SMC-34
	Clip Microphone with Earphone	Clip Microphone with Earphone and PTT	Headset with VOX / PTT	Speaker Microphone	Speaker Microphone	Speaker Microphone
						
UBZ-LJ8	●	●	●	●	●	●

Model availability may vary depending on the country or region.

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