KENWOOD

Communications Solutions

Multi-Digital Protocol

NX-5200/5300/5400

P25 NXDN® Gen2 DMR Bluetooth® microSD GPS FleetSync®

- 136-174 MHz, 6W
- 380-470, 450-520 MHz, 5W
- 700/800 MHz, 3W
- Multi-Digital + FM Analog Operation
  - NXDN® Conventional
  - NXDN® Type C Trunked
  - P25 Phase 1 Conventional/Trunked
  - P25 Phase 2 Trunked
  - FM Analog Conventional/Trunked
  - DMR Tier2 Conventional
- 7 (Standard Key Model) / 4 (Full Key Model) Front & 2 Side PF keys
- 12-Key Keypad Models Available
- Maximum Channels per radio = 1,024 (up to 4,000 channels with option)
- Number of Zones = 128
- Maximum Number of P25 Trunked Group ID's = 512
- Maximum Number of P25 Conventional Talkgroup ID's = 1,500
- Color 1.74" (240 x 180 pixel) Transflective TFT Display
- Built-in Bluetooth® Ver. 4.0 BLE

- (2.5mW / up to 10m)
- Active Noise Reduction (ANR)
- 1 W Loud Speaker Audio
- Built-in GPS Receiver w/Internal Antenna
- microSD / microSDHC Memory Card Slot
- Easy to Follow Selectable GUI
- Front Panel Programming
- Intelligent Battery Information Display
- AES/DES Voice & Data Encrytion
- AES/DES Software Keyloader
- OTAP & OTAP Manager
- USB Programming Cable
- Trunking Authentication (AES128)
- Over-The-Air-Alias
- P25 Paging
- P25 Text Data
- P25 Vote Scan
- Built-in Motion Sensor - Man Down
- Emergency / AUX Key
- MDC-1200
- FleetSync®/II
- IP54/55/67/68 & MIL-STD-810 C/D/E/F/G

NX-5700/5800

P25 NXDN® Gen2 DMR Bluetooth® microSD GPS FleetSync®

- 136-174 MHz, 5W - 50W
- 380-470, 450-520 MHz, 5W - 45W
- Multi-Digital + FM Analog Operation
  - NXDN® Conventional
  - NXDN® Type C Trunked
  - P25 Phase 1 Conventional/Trunked
  - P25 Phase 2 Trunked
  - FM Analog Conventional/Trunked
  - DMR Tier2 Conventional
- 6 Front PF keys & 4 Up / Down Selectors
- Dual Remote Control Head
- Multi-Band (Multi RF Deck) Control
- 4 W/4 Ω; 3 W/4 Ω for the Remote Control Head
- Maximum Channels per radio =1,024 (up to 4,000 channels with option)
- Number of Zones = 128
- Maximum Number of P25 Trunked Group ID's = 512
- Maximum Number of P25 Conventional Talkgroup ID's = 1,500

- Color 2.55" (154 x 422 pixel) TFT Display
- Built-in Bluetooth® Ver. 3.0 Class 2 (2.5mW / up to 10m)
- Active Noise Reduction (ANR)
- DB-25 Accessory Connector
- 4 W Speaker Audio
- Built-in GPS Receiver
- microSD / microSDHC Memory Card Slot
- Easy to Follow Selectable GUI
- AES/DES Voice & Data Encrytion
- AES/DES Software Keyloader
- Over-The-Air-Alias
- P25 Paging
- P25 Text Data
- P25 Vote Scan
- Emergency / AUX Key
- MDC-1200
- FleetSync®/II
- IP54/55 & MIL-STD-810 C/D/E/F/G

NX-3200/3300

NXDN Gen2 DMR Bluetooth GPS FleetSync IP54/IP55

- 136-174 MHz, 5W
- 400-520 MHz, 5W
- 128 Zone / 512 Channels Models
- Analog / NXDN / DMR
- Basic, 4-Key & 12-Key / DTMF Models
- 4 Line / 14-Character Alphanumeric LCD
- 4-Front and 3-Side PF Keys
- Emergency Key / AUX Key
- FleetSync® II, MDC-1200
- Active Noise Reduction (ANR)
- Built-In Bluetooth® / GPS
- Intrinsically Safe Option

NX-3220/3320

NXDN Gen2 DMR Bluetooth GPS FleetSync IP54/IP55

- 136-174 MHz, 5W
- 400-520 MHz, 5W
- 128 Zone / 260 Channels Models
- Analog / NXDN / DMR
- Basic, 4-Key & 12-Key / DTMF Models
- 4 Line / 14-Character Alphanumeric LCD
- 4-Front and 3-Side PF Keys
- Emergency Key / AUX Key
- Active Noise Reduction (ANR)
- FleetSync® II, MDC-1200
- Built-In Bluetooth® / GPS
- Intrinsically Safe Option

NX-3720HG/3820HG

NXDN Gen2 DMR Bluetooth GPS FleetSync IP54

- 136-174 MHz, 50W
- 450-520, 400-470 MHz, 45W
- 128 Zone / 512 Channels Models
- Analog / NXDN / DMR
- 4 Line / 14-Character Alphanumeric LCD
- 7-color LED indicator
- Built-In GPS
- Built-In Bluetooth®
- 4W Speaker Audio
- Active Noise Reduction (ANR)
- FleetSync® II, MDC-1200

TK-5220/5320

P25 FleetSync®

- 136-174 MHz, 5W
- 400-470, 450-520 MHz, 5W
- 128 Zones / 512 Channels
- P25 Conventional
- P25 Trunked Option
- 12-Keypad Models
- 14-Character Alphanumeric LCD
- 8 Programmable Function/LCD menu keys

- 16-Position Selector Knob with detent feel & mechanical stop
- FleetSync® II, MDC-1200
- Emergency Features
- AES & DES Encryption Module
- Remote Monitor/Check/Inhibit
- Immersion Option
- CSA-US Intrinsically Safe Option

TK-5720/5820

P25 FleetSync®

- 136-174 MHz, 50W
- 400-470, 450-520 MHz, 45W
- 128 Zones/512 Channels
- P25 Conventional
- P25 Trunked Option
- Backlit Dot Matrix LCD
- 6 Programmable Function keys
- Dual Priority Scan
- Limited Talk Group Scan
- Priority Monitor Scan

- Remote Monitor/Check/Inhibit
- FleetSync® II, MDC-1200
- Emergency Call Functions
- DTMF Decode / Encode / Stun
- Two-Tone Decode / Encode
- OST
- AES & DES Encryption Module
- Ignition Sense
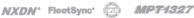- Encryption / ANI Control (FM)
- D-25 and 9-Pin Accessory Connector

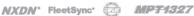### NX-200G/300G

NXDN® FleetSync® **MPT1327**

- 136-174 MHz, 5W
- 450-520, 400-470 MHz, 5W
- 512 CH-GID / 128 Zones
- 14-Character Alphanumeric LCD
- NXDN® Digital Conventional / Trunked
- 6.25 & 12.5 kHz Channels
- Over-the Air Alias
- Over-the Air Programming
- NXDN® Scrambler Included
- AES & DES Encryption
- Built-in GPS Receiver

NX-210G/410/411

NXDN® FleetSync® **MPT1327**

- 136-174 MHz, 5W
- 806-870 MHz, 3W
- 896-941 MHz, 2.5W
- 512 CH-GID / 128 Zones
- 14-Character Alphanumeric LCD
- NXDN® Digital Conventional / Trunked
- 6.25 & 12.5 kHz Channels
- Over-the Air Alias
- Over-the Air Programming
- NXDN® Scrambler Included
- AES & DES Encryption
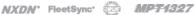- Built-in GPS Receiver (NX-210G only)

NX-240V/340U

NXDN® FleetSync®

- 136-174 MHz, 5W
- 450-520, 400-470 MHz, 5W
- Max. 16 CH per Zone
- 2 Conventional Zones
- On/Off Volume Knob
- 2 PF Keys
- Emergency Call Features
- NXDN® Digital Air Interface
- 6.25 & 12/5 kHz Channels
- Over-the-Air Alias (TX Only)

NX-700(H)/800(H)/900/901

NXDN® FleetSync® MPT1327

- 136-174 MHz, 30 & 50W
- 450-520, 400-470 MHz, 30 & 45W
- 806-870, 896-941 MHz, 15W
- 512 CH-GID /128 Zones
- 14-Character Alphanumeric LCD
- Dash & Remote Mount
- NXDN® Digital Conventional / Trunked
- 6.25 & 12.5 kHz Channels
- Over-the Air Alias
- Over-the Air Programming
- NXDN® Scrambler Included
- AES & DES Encryption

NX-740HV/840HU

NXDN® FleetSync®

- 136-174 MHz, 50W
- 450-520 MHz. 45W
- Max. 16 CH per Zone
- 9 Programmable Function Keys
- GPS Receiver Option
- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias (TX Only)
- NXDN® Scrambler Included

TK-D240V/340U

DMR FleetSync® MPT1327

- 136-174 MHz VHF
- 450-520, 400-470 MHz UHF
- Max. 32 CH per Rado / 16 CH per Zone
- 2 Conventional Zones
- IP54/55 & MIL-STD 810 C/D/E/F/G
- Select Call Alert LED
- FleetSync® II
- DMR Tier II Conventional
- 12.5 kHz Channels
- Call Interrupt (Direct & Repeater Mode)

TK-D740HV/840HU

DMR FleetSync®

- 136-174 MHz, 50W
- 450-520, 400-470 MHz, 45W
- Max. 32 CH per Radio / 16 CH per Zone
- 9 Programmable Function Keys
- GPS Receiver Option
- DMR Tier II Conventional
- AMBE+2™ VOCODER
- 12.5 kHz Channels
- Over-the-Air Alias (TX Only)
- Call Interrupt (Direct & Repeater Mode)

TK-2170/3170

FleetSync®

- 136-174 MHz, 5W
- 450-490, 400-430 MHz, 4W
- 128 Channels / 128 Zones
- Priority Scan
- 8-Character Alphanumeric LCD
- 7 PF Keys
- DTMF & Two-Tone Decode / Encode
- FleetSync®
- Voice Inversion Scrambler Built-In
- Encryption / ANI Control
- Intrinsically Safe Option

TK-2312/3312

FleetSync®

- 136-174 MHz, 5W
- 450-520, 400-470 MHz, 5W
- 128 Channels / 128 Zones
- Priority Scan
- 8-Character Alphanumeric Aliases
- 7 Front / 2 Side PF Keys
- DTMF & Two-Tone Decode / Encode
- FleetSync®, MDC-1200
- Voice Inversion Scrambler Built-In

TK-2360/3360

FleetSync®

- 136-174 MHz, 5W
- 450-520, 400-470 MHz ,5W
- 16 Channels
- Single Priority / Normal Scan
- 3 PF Keys (w/Hold Function)
- DTMF Decode / Encode
- Two-Tone Decode
- FleetSync® II, MDC-1200
- Voice Inversion Scrambler Built-in

TK-2400/3400

FleetSync®

- 136-174 MHz, 2W
- 450-520 MHz, 2W
- 16 Channel Models
- Single Priority / Normal Scan
- 2 PF Keys
- 1.0 W Speaker Audio
- FleetSync®
- DTMF Encode / Decode
- VOX Ready
- Voice Inversion Scrambler Built-In
- Voice Annunciation

TK-2402V/3402U

FleetSync®

- 136-174, MHz, 5W
- 450-520 MHz, 5W
- 16 Channels Models
- Single Priority / Normal Scan
- 2 PF Keys
- 1.0 W Speaker Audio
- FleetSync®
- DTMF Encode / Decode
- VOX Ready
- Voice Inversion Scrambler Built-In
- Emergency Call Features

TK-7302HV/8302HU

FleetSync®

- 136 -174 MHz, 25W/50W
- 450 -520 MHz, 25W/45W
- 16 Channels / 2 Zones
- 2 Digit LED Channel Display
- 9 PF Keys
- Single Priority Scan
- FleetSync® II, MDC-1200
- DTMF & Two-Tone Decode / Encode
- Voice Inversion Scrambler Built-In
- Encryption Board Control
- DB-15 Accessory Connector

TK-3173

FleetSync®

- 450-490 MHz, 4W
- 128 Channels / 128 Zones
- Priority Scan
- 8-Character Alphanumeric LCD
- 7 PF Keys

- DTMF & Two-Tone Decode / Encode
- FleetSync®
- Voice Inversion Scrambler Built-In
- Encryption / ANI Control
- Intrinsically Safe Option

TK-7180/8180

FleetSync®   MPT1327

- 136-174 MHz, 30/50W
- 450-520, 400-470 MHz, 30/45W
- 512 Channels / 128 Zones / 512 GID
- 12 Character Alphanumeric LCD
- 6 PF Keys
- Dual Priority Scan
- FleetSync® II

- DTMF & Two-Tone Decode/Encode
- Voice Inversion Scrambler Built-In
- Encryption / ANI Control
- DB-25 Accessory Connector
- PassPort™ NTS Option
- Remote Mount Option

TK-7360HV/8360HU

FleetSync®

- 136 -174 MHz, 50W
- 450 -520 MHz, 45W
- 128 Channels / 128 Zones
- 10 Alphanumeric LCD
- 10 PF Keys
- Single Priority Scan

- FleetSync® II, MDC-1200
- DTMF & Two-Tone Decode / Encode
- Voice Inversion Scrambler Built-In
- Encryption Board Control
- DB-15 Accessory Connector

ProTalk®
TK-2400V4P/V16P
TK-3400U4P/U16P

- 151-159, 451-470 MHz, 2W
- 4 & 16 Channel Models
- 27 VHF & 90 UHF Pre-Stored Frequencies
- 39 QT Tones / 168 DQT Codes
- 2 PF Keys, Key Lock
- 1.0 W Speaker Audio
- Normal Scan
- VOX Ready
- Voice Inversion Scrambler Built-In
- Voice Annunciation

ProTalk® XLS
TK-3230DX

- 6 Channel, 1.5W, 460-470 MHz
- 64 User-Programmable Frequencies
- 39 QT/83 DQT Coded Squelch
- Super Lock
- Scan Function
- VOX Ready, Privacy Talk Scrambler
- 10-Call Alert Tone
- 4-Digit 7-Segment LCD with Backlight
- 3 Level battery Indicator

ProTalk® LT
PKT-23

- 1.5 Watts Transmit Power
- 4 Channels
- 39-QT/168-DQT Coded Squelch
- Super Lock (Manager Key Lock)
- Scan Function
- 2 PF Keys
- Enhanced Kenwood Audio
- VOX Ready
- Voice Announcement
- LED Battery Status Indicator
- 1,430 mAh Li-Ion battery with up to 15 hours of talk time (5-5-90*) and 3 hour fast charge
- IP54 & MIL-STD 810 C/D/E/F/G 11 items
- 2-year Radio Warranty

ProTalk DIGITAL
NX-P500

NXDN® **FleetSync®**

- Dual Mode NXDN Digital & FM Analog
- 2 Watt Transmit Power
- 6 Channels 16 (BRS)
- 750 mW Loud Speaker
- 7-color LED Indicator
- Individual Call / Group Call
- Second PTT
- Wireless Cloning Mode
- FleetSync®
- LED Battery Status Indicator
- 2,200 mAh Li-Ion battery with up to 15 hours of talk time (5-5-90*) and 3 hour fast charge
- IP57 & MIL-STD 810 C/D/E/F/G 11 items
- 2-year Radio Warranty

NXR-5700/5800/5900/5901
NXDN

- 136-174 MHz, 25W
- 400-470, 450-520 MHz, 25W
- 806-825/821-870 MHz, 360mW
- 896-902/935-941 MHz, 360mW
- Built-in 0.5ppm TCXO
- SNMP ready
- Analog/NXDN Mixed Mode

- NXDN Conventional
- NXDN COnventional IP Networks
- NXDN Conventional Simulcast
- NXDN Type-C Trunking
- NEXEDGE Gen2 Trunking
- External LTR Controller compatible
- External MPT1327 Controller compatible

NXR-710/810
NXDN

- 136-174 MHz, 50W
- 400-470, 450-520 MHz, 40W
- 50 / 40W @ 50% Duty
- 25 / 25W @ 100% Duty
- Repeater or Duplex / Simplex Base

- 30 CH Scanning Base (Conventional)
- 6 Programmable Function Keys
- External Speaker Audio
- Program / Modem Interface
- DTMF PF Key & AUX I/O Mon/Control

KA-160/450/500
NXDN

- 136-174 MHz, 25W
- 400-470 MHz, 25W
- 450-512 MHz, 25W
- Light weight
- Analog FM 12.5 kHz
- DMR Tier 2 Conventional

- DMR Conventional IP Network
- Multi-mode Analog/Digital Repeater
- Optional Soft Diversity Reception
- Analog / Digital Simulcast Option
- System Redundancy
- Optional POCSAG Capability
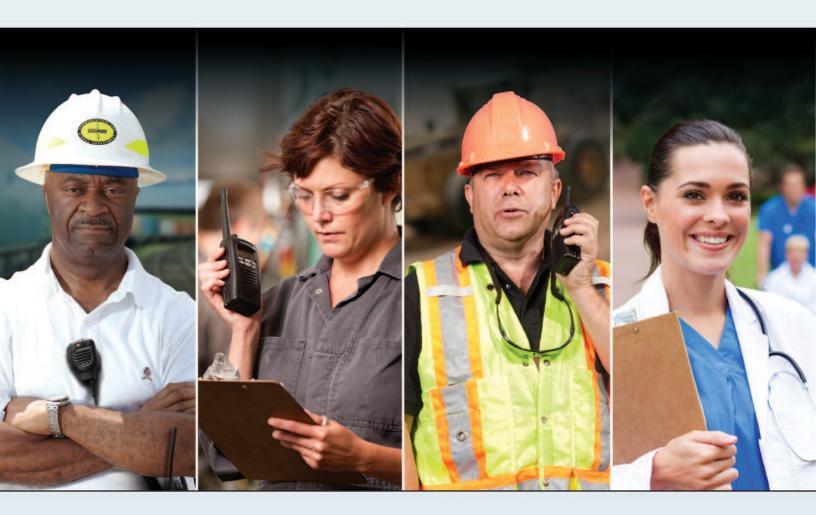
TKR-D710/810
DMR

- 136-174 MHz, 50W
- 400-470, 450-520 MHz, 40W
- 50 / 40W @ 50% Duty
- 25 / 25W @ 100% Duty
- Analog FM 12.5 kHz
- DMR Tier 2 Conventional

- DMR Conventional IP Network
- Mixed-mode Analog/Digital Repeater
- 6 Programmable Function Keys
- External Speaker Audio
- Program / Modem Interface

When the complexities and geographic scope of a radio communication solution requires a custom system, the Kenwood Systems Division is prepared to analyze, engineer and install a system crafted specifically for those unique requirements. Customers served by the Kenwood Systems Division include counties and large municipalities and major manufacturing, education and hospitality campuses throughout the U.S.

The Kenwood Systems Division team is prepared to evaluate the customer site and make recommendations for the optimum solution in a variety of analog and digital protocols, including MPT 1327, DMR, LTR®, P25, NEXEDGE® and others. After completing a rigorous engineering review, the Systems Division will design a custom solution to optimize coverage, including in-building coverage, creating a robust system backbone ideally matched to the customer's precise requirements.

What Our Customers Are Saying

"These KENWOOD radios change our ability to communicate. I can reach anyone without a problem. Before we had that reliability, we had lag time and that cold be serious for us as first responders."

"With KENWOOD NEXEDGE digital radios, our public safety channels have the security blanket of no one talking over them. It's exclusive."

"Adequate radio communications is critical for public safety during an emergency. An important question in any after action review is whether or not the lines of communications were open. Did the communications plan work or didn't it?"

"With KENWOOD radios, now I can reach campus administrators and officers consistently. This is important."

Lt. Casey Davis, Emergency Management, Cypress-Fairbanks ISD Police Department

"You can't beat a two-way radio. You cannot manage a critical incident with a cell phone. Been there, tried that. It's impossible. No more game of telephone, when meanings gets changed as the message goes from person to person. It's right there, live. With a radio, everyone knows the same thing, at the same time, the exact same message, and, no dropped calls."

"I have been pleasantly surprised with the excellent coverage and how the radios hold up. They may be economically priced, but they are not built that way. We're three years into this system and I've not replaced radios. Facility guys are hard on radios and we are simply not having to replace these KENWOOD radios."

"JVCKENWOOD understands that we are a school district. We are a public-school district. We don't have gold bars laying around. Here's the decision we made. We can get a system that performs better than the others available, but this one is less. It's an easy decision to buy KEN-WOOD."

Kevin Wren, CSSM, Risk, Security and Emergency Management Rock Hill School District, Rock Hill, SC

Specifications are subject to change without notice, due to advancements in technology.

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NEXEDGE® is a registered trademark of JVCKENWOOD Corporation.

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