



KENWOOD

**NX-1700/1800, NX-3720/3820,
& NX-5700/5800/5900**

Portable Radio Series Comparison

Quick guidance: Choose the NX-1700H/1800H for straightforward, cost-conscious VHF/UHF mobile communications with FM analog and a software-selectable path to NXDN or DMR. Choose the NX-3720HG/3820HG when you need higher channel capacity, NXDN and DMR capability, built-in GPS and Bluetooth, a multi-line display, and flexible installation. Choose the NX-5000 Series when P25 interoperability, support for three digital air interfaces, 700/800 MHz availability, a color display, and very high channel capacity are required.

Feature Comparison

Feature	NX-1700H/1800H	NX-3720HG/3820HG	NX-5700/5800/5900
Best for	Cost-conscious commercial and operation-critical users needing essential mobile features and a manageable migration from analog	Enterprise and operation-critical fleets needing multi-protocol flexibility, connectivity, a richer display, and more channels	Public safety and complex enterprise systems requiring P25, broad interoperability, multiple bands, and maximum capacity
Frequency bands	NX-1700H: 136–174 MHz; NX-1800H: 400–470 MHz	NX-3720: 136–174 MHz; NX-3820: 450–520 MHz or 400–470 MHz, depending on type	NX-5700: VHF; NX-5800: UHF; NX-5900: 700/800 MHz
Protocols	FM analog plus NXDN or DMR digital; digital/analog capability is software-upgradable	FM analog, NXDN, and DMR; supports mixed digital/analog operation	FM analog plus NXDN, DMR Tier II, and P25 Phase 1/Phase 2; two digital protocols



Channel capacity	260 channels; 128 zones; up to 250 channels per zone	512 channels; 128 zones; up to 1,000 channels with option	1,024 channels; up to 4,000 with option; 128 zones; up to 512 channels per zone
Display and controls	White-backlit alphanumeric LCD with 10 digits, 13-character frame, and 7-color status LED	256 × 82-dot monochrome display with four-line basic and text-message frames; front panel supports remote-head use with the applicable option	2.55-inch, 65,536-color TFT display with automatic backlight adjustment and up to five lines of text; detachable control-head configurations
Audio	Up to 6 W audio, with equalizer, TX/RX auto gain control, and microphone-type settings	4 W audio output with Active Noise Reduction	4 W audio output at the radio, 3 W at the remote control head, with Active Noise Cancelling
Connectivity and installation	15-pin D-sub GPIO/audio connection; external GPS connectivity; horn alert, public address, ignition sense, and external-speaker jack	Built-in GPS and Bluetooth; front panel can be used as a remote control head with the applicable upgrade	Built-in GPS and Bluetooth; microSD/microSDHC support; flexible single- or multi-deck control-head configurations
Safety and remote functions	Orange emergency button, customizable emergency functions, Lone Worker, and remote stun/kill/check	Emergency features and protocol-dependent remote functions, with GPS-enabled fleet and incident-management support	Protocol-dependent emergency and remote functions for operation-critical and public-safety deployments
Ruggedness	IP54 and MIL-STD-810 C/D/E/F/G/H	IP54 for the radio unit; tested to MIL-STD-810 C/D/E/F/G methods	IP54 RF deck and IP55 remote control head; designed and tested for demanding mobile use
RF power	NX-1700H: 50/25/5 W; NX-1800H: 45/25/5 W	NX-3720: 50/30/5 W; NX-3820: 45/30/5 W	NX-5700: 50–5 W; NX-5800: 45–5 W; NX-5900: 30–2 W (700 MHz) or 35–2 W (800 MHz)

Which Radio Should You Choose?

Choose the NX-1700H/1800H for essential, economical mobile communications

The NX-1700H/1800H fits organizations that need dependable VHF or UHF mobile voice communications, straightforward controls, strong 6-watt audio, and a practical software-upgradable path from FM analog to either NXDN or DMR. Its 260-channel capacity, emergency button, Lone Worker function, remote stun/kill/check, and useful vehicle interfaces make it a solid choice for commercial fleets and operation-critical applications.

Choose the NX-3720HG/3820HG for advanced enterprise flexibility

The NX-3720HG/3820HG is the mid-tier choice for fleets that need FM analog plus NXDN and DMR capability, a multi-line display, built-in GPS and Bluetooth, Active Noise Reduction, and substantially more channel capacity than the NX-1700H/1800H. Its removable front panel also supports more flexible vehicle installations when the applicable option is used.

Choose the NX-5700/5800/5900 for maximum interoperability

The NX-5000 Series is the strongest choice when P25 Phase 1/Phase 2 support is required alongside NXDN, DMR Tier II, and FM analog operation. The NX-5700, NX-5800, and NX-5900 cover VHF, UHF, and 700/800 MHz respectively, while the color display, high channel capacity, built-in GPS and Bluetooth, memory-card support, Active Noise Cancelling, and flexible control-head configurations suit complex public-safety and large enterprise systems.

Product capabilities and available options vary by model, band, configuration, and licensing. Confirm final system compatibility, accessories, and feature licensing before purchase.

