

News Release

One-"K"-Fits-All Solution: Meet the New NXR-1000 Series Compact Multi-mode Conventional Repeaters Supporting DMR/NXDN(OP) and FM Analog

Yokohama, Japan (June 30, 2022) — JVCKENWOOD Corporation (<https://www.jvckenwood.com/en>) is pleased to announce the launch of new NXR-1000 Series repeaters – initially the NXR-1700 VHF model, to be followed by the NXR-1800 UHF model in the near future. As a compact One-"K"-Fits-All solution, these worthy successors to KENWOOD's proven DMR and NXDN repeaters offer multiprotocol support options, including the choice of digital CAI – either DMR or NXDN – as well as mixed-mode operation to ensure seamless integration with legacy radios and existing systems while smoothing the onward migration path to digital.

Optional NXDN CAI and some functions will be later available and req. version upgrade.



DMR NXDN™
NXR-1000 Series Repeaters

Product concept

Repeaters represent key digital communications equipment – a specialty of KENWOOD, famously experienced at harnessing advanced technologies for both audio and wireless applications. And the NXR-1700/1800 represent an evolutionary improvement, offering the latest digital protocols plus the ability to satisfy a wide range of user requirements.

Product details

The NXR-1700/1800 are very space efficient: 2 repeaters will fit in a 1U height 19-inch rack. Yet the OLED screen provides ample numeric information and icons, so that operational status is clear at a glance. The built-in IP network adapter extends their capability, providing Advanced IP remote management and an IP interface to external applications. Moreover, they support SIP IF without an external IP console or gateway (digital only), and are IP networking compatible with TKR-D710/D810 and NXR-710/810 Series repeaters. Also, flexible redundancy configuration choices ensure continuous operation, while compliance with MIL-STD 810F/G/H environmental standards for High/Low Temperature and Temperature Shock assures rugged and reliable 24/7 performance. Depending on the CAI specified when ordering, individual NXR-1700/1800 units are set up for either DMR or NXDN Conventional, with the option of keeping the factory default setting of FM analog. Look for new software options for enhanced functionality and expanded area availability in the coming months.

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Media Contact:

Marketing & Planning Group, International Marketing Dept., Communications Systems Division,
E-mail: kenwood-com-global@jvckenwood.com
URL: comms.kenwood.com

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