

The AUDIX Novacore NCR2 digital wireless receiver is meticulously engineered to satisfy the rigorous demands of complex RF deployments. Utilizing a sophisticated state-of-the-art digital architecture, Novacore delivers unparalleled audio quality characterized by crystal-clear sound reproduction and minimal latency. This advanced design philosophy not only ensures sonic fidelity but also contributes to exceptional spectral efficiency, allowing for a greater number of simultaneous operating channels within increasingly crowded radio frequency spectra.

The system's robust performance guarantees rock-solid wireless stability, making it a dependable choice across a diverse range of professional applications. Novacore is perfectly suited for intimate settings such as houses of worship, where audio clarity and reliability are paramount for spoken word and musical performances. Furthermore, its secure and interference-resistant transmission capabilities make it an ideal solution for critical corporate meetings, as well as high-stakes governmental and legislative events where every word must be captured without fail. On the grand scale, Novacore systems possess the power and flexibility necessary to handle the complex, high-channel-count requirements of large-scale professional tour sound productions, providing world-class performance night after night in challenging live environments. The combination of pristine digital audio, spectral efficiency, and unwavering reliability positions the AUDIX Novacore as a premier choice for audio professionals demanding the very best in digital wireless technology.

AUDIX NCR2 receivers include both balanced analog and Dante outputs. By integrating Dante, a single Ethernet cable can route signals from multi-channel receivers, which simplifies connections with Dante-enabled mixers and peripherals. This configuration supports easy system expansion while ensuring compatibility with AES67-compliant devices.



APPLICATIONS

- Professional Live Sound
- Theater
- Corporate Events
- Houses of Worship
- Education
- Government/Secure Comms
- Sports/Fitness
- Broadcast Media (ENG/FP)
- Film/Video Production
- Multi-Room Installations

SUPPLIED ACCESSORIES



Global Power Supply
(100-240VAC / 50/60Hz) with country specific mains cable.

OPTIONAL ACCESSORIES



T50K
Impedance Matching Transformer



NCPC
USB to RJ11 Adapter

FEATURES

- Supports simultaneous operation of up to 24 independent systems per band, ensuring seamless and uninterrupted performance even in challenging RF environments.
- Delivers uncolored, high-fidelity sound through a wide 110 dB dynamic range with flat frequency response.
- Provides AES-256 encryption to guarantee private and protected audio transmission.
- Enables effortless configuration via easy on-board frequency scanning and quick, one-touch IR synchronization with NCHH (handheld) and NCBP (bodypack) transmitters.
- The clear front LCD panels provide metering for all critical functions, displaying group/channel information, RF and AF levels, diversity status, battery condition, squelch, transmitter lock, and software address.
- Dante/AES67 and Balanced XLR Audio outputs
- Dedicated front panel headphone jack with a selector switch and volume control for direct monitoring of individual channels.
- AUDIX Frequency Coordination software provides comprehensive monitoring and management. Connectivity is simplified through an RJ11 daisy chain, eliminating the need for a separate network switch.
- Compact, rugged metal chassis engineered for demanding professional audio environments and long-term reliability.

SPECIFICATIONS

ARCHITECT & ENGINEERING SPECS

Model	NCR2
Description	UHF Digital Two-Channel Receiver
RF Frequency Range	UHF 494-542 MHz (country dependent)
RF Bandwidth	48 MHz
Display	LCD
Control Interface	Power button, Sync button, Jog Dial, Channel Select Buttons, Headphone Monitoring Control
Encryption	AES 256-bit
Frequency Response	20 Hz-20 kHz (< -2 dB)
Latency	< 3 ms
Audio Processing	44.1 kHz / 24-bit digital sampling
Dynamic Range	> 110 dBA
Receiving Mode	Digital Diversity
RF Input	Spurious Rejection: > 80 dB Antenna Type: 1/4-wave Connector Type: Detachable; 50 Ω BNC Female connector provides bias for antenna systems Sensitivity: -85 dBm
Audio Output	Level Switch: -6 dB, 0 dB, +16 dB, Switch: Ground / Lift Connector: XLR; Balanced (1 = ground, 2 = audio +, 3 = audio -) Impedance: XLR Line Level : 600 Ω Output: +18 dBV Dante/AES67 via RJ45
Networking	RJ11 × 2 for PC software control Recommended Connection Distance: < 100 meters
Power Requirements	12 VDC @ 300 mA (supplied by external power supply - tip positive)
Chassis	1U (19")
Materials / Finish	Steel / Black Finish
Weight	Approx. 2.0 kg / 4.5 lbs (without antennas)
Dimensions	419 × 44 × 216 mm (W × H × D)

The 2-channel digital wireless receiver shall be engineered to facilitate the simultaneous operation of up to 24 independent systems per band. Audio transmission shall be secured through AES-256 encryption. Configuration shall be managed via on-board frequency-scanning capabilities. The receiver shall incorporate one-touch IR synchronization functionality with AUDIX Novacore transmitters. The system shall provide Dante/AES67 digital outputs utilizing standard Ethernet cables, alongside balanced XLR connectors for analog audio output. The receiver shall be housed within a standard 1U metal chassis. Communication with frequency-coordination software shall be accomplished through dual rear-mounted RJ11 connections, permitting the cascading of multiple units. Power shall be supplied via an external 12 VDC source with a 100-240 VAC input-voltage range. The digital wireless receiver shall be the AUDIX NCR2.

SERVICE AND WARRANTY: This product is under warranty for a period of 1 year to be free of defects in material and workmanship. In the event of a product failure due to materials or workmanship, AUDIX will repair or replace said product at no charge with proof of purchase. AUDIX does not pay or reimburse shipping costs for warranty repairs or returns. The warranty excludes any causes other than manufacturing defects, such as normal wear, abuse, environmental damage, shipping damage, or failure to use or maintain the product per the supplied instructions. No Implied Warranties: All implied warranties, including but not limited to implied warranties of merchantability and fitness for a particular purpose are hereby excluded. The liability of AUDIX, if any, for damages relating to allegedly defective products shall be limited to the actual price paid by Dealer for such products and shall in no event include incidental or consequential damages of any kind. Should your product fail in any way, please contact the AUDIX Service department at 503.682.6933. A Return Authorization is required before returning any product.

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