

The AUDIX Novacore NCR1 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.



**APPLICATIONS**

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

**SUPPLIED ACCESSORIES**



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

**OPTIONAL ACCESSORIES**



**Single and Dual Rack Mount Kit**



**T50K**  
Impedance Matching Transformer



**NCPC**  
USB to RJ11 Adapter

**FEATURES**

- Supports simultaneous operation of over 30 independent systems, ensuring seamless and uninterrupted performance even in challenging RF environments.
- Delivers uncolored, high-fidelity sound through a wide 118 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 panel provides metering for all critical functions, displaying group/channel information, RF and AF levels, diversity status, battery condition, squelch, transmitter lock, and software address.
- 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 half-rack chassis engineered for demanding professional audio environments and long-term reliability.

**SPECIFICATIONS**

**ARCHITECT & ENGINEERING SPECS**

<b>Model</b>	NCR1
<b>Description</b>	UHF Digital Single-Channel Receiver
<b>RF Frequency Range</b>	UHF 494-542 MHz (country dependent)
<b>RF Bandwidth</b>	48 MHz
<b>Display</b>	LCD
<b>Control Interface</b>	Power button, Sync button, Jog dial
<b>Encryption</b>	AES 256-bit
<b>Frequency Response</b>	20 Hz-20 kHz (< -2 dB)
<b>Latency</b>	< 3 ms
<b>Audio Processing</b>	44.1 kHz / 24-bit digital sampling
<b>Dynamic Range</b>	> 110 dBA
<b>Receiving Mode</b>	Digital Diversity
<b>RF Input</b>	Spurious Rejection: > 80 dB Antenna Type: 1/4-wave; adjustable Connector Type: Detachable; 50 Ω BNC Female connector provides bias for antenna systems Sensitivity: 12 dBμV @ S/N > -85 dBm
<b>Audio Output</b>	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
<b>Networking</b>	RJ11 × 2 for PC software control Recommended Connection Distance: < 100 meters
<b>Power Requirements</b>	12 VDC @ 300 mA (supplied by external power supply - tip positive)
<b>Chassis</b>	1U Half-rack (9.5")
<b>Materials / Finish</b>	Steel / Black Finish
<b>Weight</b>	Approx. 0.9 kg / 2 lbs (without antennas)
<b>Dimensions</b>	210 × 44 × 163 mm (W × H × D)

The digital wireless receiver shall be engineered to facilitate the simultaneous operation of more than 30 independent systems. 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 receiver shall be housed within a compact metal half-rack 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 NCR1.

**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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