



Digital Wireless Audio Solution



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XIRIUM PRO

SOLUCIÓN INALÁMBRICA DE TRANSMISIÓN DIGITAL DE AUDIO

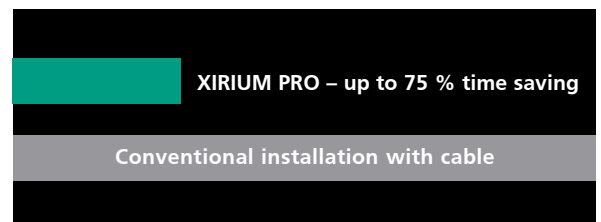
Regardless of the event, live sound, or house of worship: XIRIUM PRO provides the perfect audio solution. As a true replacement for cable bound systems it eliminates the often difficult and time consuming task of running cables.

NEUTRIK – the vision

The vision of a wireless transmission system between two connectors and to transmit audio signals in studio quality has led to the development of the innovative DiWA technology. DiWA (Digital Wireless Audio) provides FCC license-free, compression-free, studio quality, full bandwidth audio with extremely low latency.

XIRUM PRO – time and money saver

With XIRIUM PRO Neutrik introduces a new, innovative product, allowing for easy adoption of DiWA technology. With just two devices, namely the transmitter (TX) and the receiver (RX), audio transmission can be established quickly, and more cost effectively than using traditional audio cables or other wireless systems. Engineers, artists, and project designers can now think beyond the physical limitations of the traditional audio cable. Equipment such as loudspeakers, amplifiers, and mixing consoles can now be positioned for optimal audio performance and what makes the most acoustic sense allowing artistry and sonic performance to take priority over venue logistics.





PURE SOUND

- Superior audio quality
- 5 GHz band
- Digital Transmission



ROBUST TRANSMISSION

- Proprietary protocol
- Correction algorithm
- Repeater unit
- XROC mode
- Software App



PLUG & PLAY

- Easy setup
- Modular I/O concept
- Flexible power supply



Innovative technology – studio sound quality

With XIRIUM PRO, a digital wireless audio system based on DiWA technology, Neutrik sets a new standard in professional wireless audio transmission.

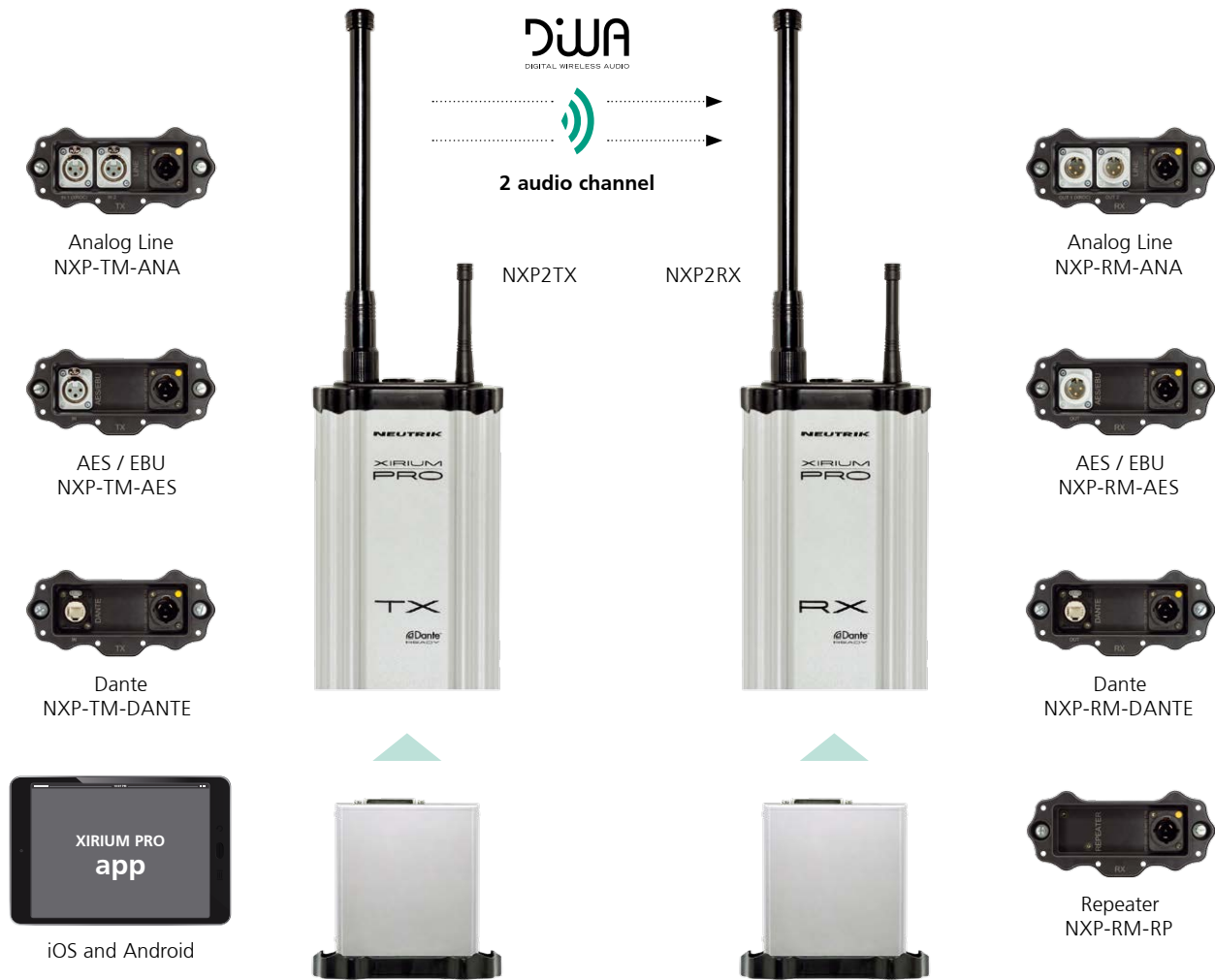
XIRIUM PRO – the product

XIRIUM PRO combines digital transmission facilitating the highest possible sound quality, reliability, and outstanding performance in one unique solution. Neutrik, known as the global leader in manufacturing connector technology for the professional entertainment industry, completes the innovation circle in audio connectivity, by providing solutions with copper connectors, fiber optic systems and now wireless solutions.



XIRIUM PRO – the system components ...

... with 2 base stations, 7 modules and the XIRIUM PRO software app



A XIRIUM PRO unit consists of a TX or RX base station and an input or output module. XIRIUM PRO offers the greatest flexibility available in a wireless audio system today. In order to make this flexibility possible, XIRIUM PRO offers a combination of 7 different input and output audio modules and 2 base stations. There are modules for analog (line-level), digital (AES/EBU), Dante, as well as a repeater module (RX only). All the modules contain

a rechargeable lithium- Ion battery and can be operated either on battery power or on direct mains power. These modules can be mixed and matched within each base station allowing for a signal conversion from one type of signal to another. No matter which audio signal type, XIRIUM PRO can handle it.

Interference-free transmission

Using the 5 GHz band for transmission, XIRIUM PRO offers an alternative to the reduced availability of VHF/UHF channels and congestion found in the 2.4 GHz band.

Exceeding boundaries

The repeater is the perfect extension of the system: When used, the system range can be doubled, and walls, corners, or other obstacles may be overcome.

Extended true diversity for even more reliable reception

Since the repeater duplicates and forwards the signals received from the transmitter it becomes a second, redundant audio source for every receiver. Each receiver automatically selects the best signal and switches between them without interruption.

Channel occupation

The constant DiWA data flow prevents interference from other devices occupying the 5 GHz frequency band.

Reliable operation/Forward error correction

Specially developed and patented data protocols transmit redundant data packets assuring trouble-free transmission.


Using advanced error correction ensures uninterrupted signal reception, eliminating delays or loss of the audio transmission. In fact, as many as 17 data packets may be lost without harming the signal.

XROC (Extreme Ruggedized One Channel)


When RF congestion at a venue or event is at its worst, activate the exclusive Xirium Pro XROC feature and eliminate any opportunity for offending RF traffic to affect your wireless audio signal.

XIRIUM PRO software app

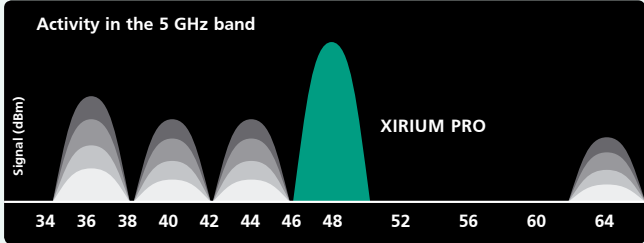
Available for iPad and Android tablets, the user friendly XIRIUM PRO app provides enhanced setup functions and allows monitoring and control of XIRIUM PRO devices.




DIGITAL WIRELESS AUDIO



www.xirium.net



Activity in the 5 GHz band





Definitions, Abbreviations & Useful Information

ELEMENTS

| | |
|----|-----------------|
| Ag | Silver |
| Al | Aluminium |
| Au | Gold |
| Co | Cobalt |
| Cr | Chromium |
| Cu | Copper |
| Ni | Nickel |
| P | Phosphorus |
| Pb | Lead |
| Pd | Palladium |
| Sn | Tin |
| Zn | Zinc |
| SS | Stainless Steel |

ALLOYS, PLASTICS, POLYMERS

| | |
|----------------|----------------------------------|
| Brass (Alloy) | CuZn39Pb3 |
| Bronze (Alloy) | CuSn6 |
| Ck 67 | Carbon Steel |
| EPDM | Ethylene Propylene |
| GR | Glass Reinforced |
| PA | Polyamide |
| PBTP | Polybutylene Terephthalate |
| POM | Polyacetal |
| PTFE | PolyTetraFluoroEthylene (TEFLON) |
| PUR | Polyurethane |

MEASUREMENT LEGEND

| | |
|----------|------------------|
| N | Newton |
| Ω | Ohm |
| μ | Micro |
| OD | Outside Diameter |
| m | Meter(s) |
| k | Kilo |




ENGLISH TO METRIC CONVERSIONS

| | | |
|-----------|---------|------------------|
| 1/8 inch | 3.175 | millimeters (mm) |
| 1/4 inch | 6.35 | millimeters (mm) |
| 1 inch | 25.4 | millimeters (mm) |
| | 2.54 cm | 1 inch |
| 1 foot | 30.48 | centimeters (cm) |
| | 0.305 | meter (m) |
| 6 foot | 1.828 | meters (m) |
| 50 foot | 15.24 | meters (m) |
| 100 foot | 30.48 | meters (m) |
| 1000 foot | 304.8 | meters (m) |

METRIC TO ENGLISH CONVERSIONS

| | | |
|--------------|---------|--------|
| 1 centimeter | 0.3937 | inches |
| 1 meter | 39.37 | inches |
| 3.281 meter | 10 | feet |
| 10 meters | 32.808 | feet |
| 50 meters | 164.041 | feet |
| 100 meters | 328.084 | feet |

OTHER ABBREVIATIONS

| | |
|---|---|
| UL® | Underwriters Laboratories |
| IP Rating | Ingress Protection rating for objects and water ACC IEC529/EN60529 |
| IEC | International Electrotechnical Commission is the international standards and conformity assessment body for all fields of electrotechnology |
|  | UL Recognized Component Mark |
|  | ENEC – European norms electrical certification, demonstrates compliance with European safety standards. |
|  | VDE Association for Electrical, Electronic and Information Technologies e.V. |
| AWG | American Wire Gauge |

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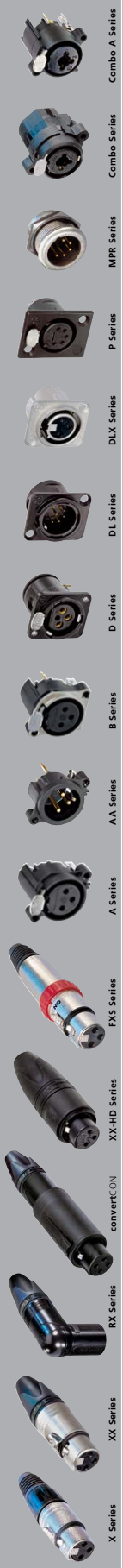
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Neutrik Product Line

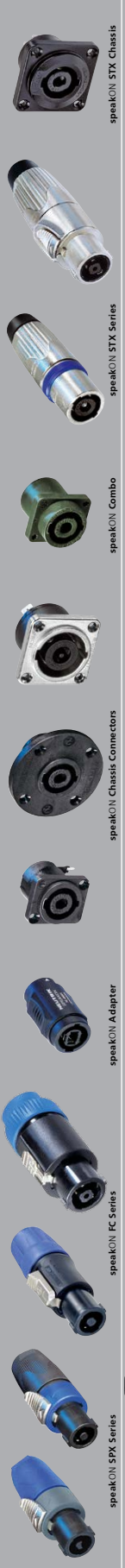
XLR Connectors



Plugs & Jacks



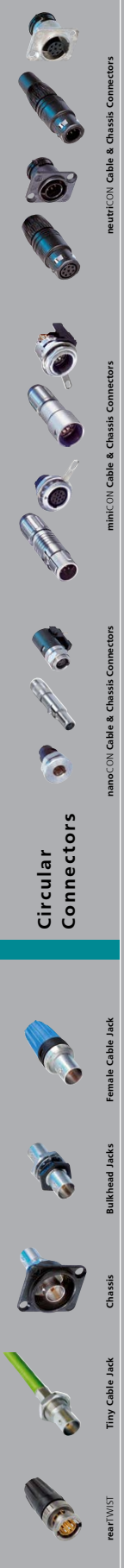
Loudspeaker Connectors



Data Connectors



75 Ohm BNC Connectors



powerCON Connectors



Accessories

