

AIXpressor – All your audio needs, all in one place

AIXpressor is our flagship audio processor with unparalleled processing power and incredible flexibility. It is lifting the legendary Jünger Audio performance and sound quality to the next level, combining the concepts of a reliable hardware basis for real-time operation and the flexibility of software defined applications to a whole new concept of audio processing



Processing Power House

AIXpressor comes in a compact one rack unit high 19" housing, packed with a high-performance processing system and comprehensive media interfacing. Powered by an x86 CPU based processor board, AIXpressor is open for future upgrades increasing its capabilities as technology evolves. To give an example of its current performance, the new processing core is powerful enough to compute over 500 instances of Level Magic in a single device. All audio decoding, processing and encoding is performed by the unit's main core without any need for additional DSP cards or codec boards.

But the AIXpressor is not just a single digital audio processor. Instead it is Jünger Audio's most flexible audio processing solution to date with almost unlimited possibilities.

flexAI – Any Process, All Platforms

Our R&D team set up a whole new audio processing infrastructure called flexAI. With flexAI new tools and applications can be created like plug-ins in a traditional DAW. This concept of software defined products enables us to create user specific audio solutions without considering the hardware as a primary factor. All flexAI based applications can run on the AIXpressor and Jünger Audio's range of servAI audio processing servers. Or even on a spanned array of multiple units. The hardware backs out from being the defining

aspect of our portfolio. With flexAI you decide for a system that suits your needs and offers a solution to your specific demands. The decision for the actual processing device and its interfacing can be made almost independently. Decide for a solution, not just a machine.

Interface Chamaeleon

To guarantee maximum compatibility with your projects, AIXpressor is equipped with a plethora of on-board media interfaces and four expansion slots for maximum flexibility. AIXpressor comes with redundant Ethernet ports as well as independent dual Audio-over-IP interfaces. It is capable of serving IP based formats such as AES67, SMPTE ST2110-30 and other multimedia stream types. With its three USB ports AIXpressor can be connected as host or client to a computer. MADI, AES3 and analog I/Os complete its comprehensive range of built-in interfaces with classic audio connections. Four expansion slots can be equipped with additional expansion cards, such as 3G HD-SDI with UHD support, Audinate's Dante AoIP, microphone inputs, optical and coaxial MADI, AES3 and analog inputs and outputs.

Cascading Made Simple

AIXpressor is a fully featured stand-alone audio processor which was designed with scalability in mind. Not only in terms of fea-

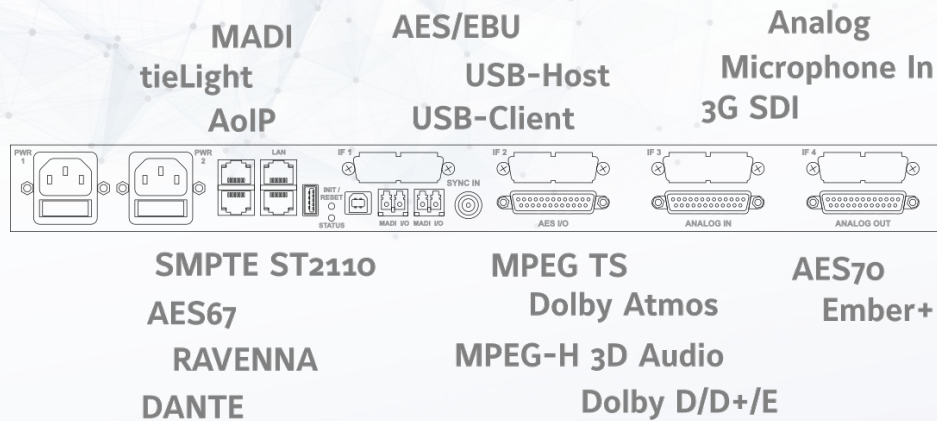
tures and upgrades, but also in participating in larger systems. AIXpressor and servAI devices can become part of a processing array to provide distributed processing or load balancing and allow for high-channel count applications. To exchange audio and data between participants of a spanned installation, we developed tieLight as a multichannel, low latency point-to-point connection for cascading several devices. One optical tieLight interface is capable of transporting up to 1024 audio channels in each direction. And as flexAI takes good care to distribute all necessary audio to where it is required, the system still feels as if everything is processed in a single device. TieLight is our large scale optical tie-line.

Functionality Merged with Elegance

A premium black gloss design with the characteristic blue lit Jünger Audio company logo and all tools for daily operation – AIXpressor establishes an exciting symbiosis of form and function. The front panel is made of industry strength glass and features a 16.5 cm wide touch sensitive display for easy operation and on-site supervision. A powerful headphone amplifier allows for signal monitoring and a USB host connector can be used for backups, configuration import or export of critical system data.

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ALL FORMATS



ALL PROTOCOLS

Smart Operation

Following Jünger Audio's tradition of comprehensive remote control and automation, all functionality is operated from a completely new designed web interface. With different layers of parameter access users of all qualification levels can easily be instructed to use and maintain the system. Jünger Audio's smart audio approach removes all unnecessary steps and drastically facilitates daily operation.

Eco and Budget Friendly

Considering its processing power and capabilities, AIXpressor is low on power consumption and helps reducing the carbon footprint of your facility. With its high efficiency redundant power supplies, AIXpressor is a processing power house without being a power waster.

Key Features

- Powerful x86 based processing core
- On board interfaces:
 - 2x Ethernet, 2x Audio-over-IP,
 - 2x MADI or tieLight with SFP modules,
 - 8x AES3, 8x Analog in,
 - 8x Analog out, Sync in
- I/O modularity via 4 interface slots
- 2x USB host, 1x USB client
- Native AES67 and SMPTE ST2110-30 support (license)
- tieLight interface with 1024 channels in each direction
- 16.5 cm touch sensitive display
- Powerful headphone output
- 19", 1 RU device
- Dual redundant PSUs

Interface Options

- License Option 64ch AES67 Audio over IP
- Option Board 16ch SDI I/O (3G/HD/SD)
- Option Board 4ch analog I/O
- Option Board 8ch analog Out
- Option Board 8ch AES/EBU I/O
- Option Board 64ch Dante™ Audio over IP
- Option Board 64ch MADI I/O
- Option Board 8x8 GPI/O
- Network Option 8x8 GPI/O



Headquarters Sales · Service & Support · Jünger Audio GmbH · Justus-von-Liebig-Straße 7 · 12489 Berlin; Germany
 phone +49 (30) 67 77 21-0 fax +49 (30) 67 77 21-46 sales@jungeraudio.com www.jungeraudio.com

www.facebook.com/jungeraudio www.twitter.com/jungeraudio www.youtube.com/user/Jungeraudio