



Line Up 2025

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Audio DSP



Neutrino Series

The Neutrino series have an open, freely programmable architecture. Design the processor to your liking using the drag & drop software on Windows or macOS. Create your own personal DSP circuit diagram for your individual project requirements from a large selection of audio and logic DSP modules. Create up to 70 presets for individual modules (e.g. matrix mixer) or the entire project.

Optionally, the processors can be controlled by one or more TP8 touch panels and XWP Control (PoE). The app (ACX-Touch) available for download for Windows, macOS, iOS and Android can also be used for control. 3rd party devices such as video matrix switchers, scalars, projectors or other devices can be conveniently controlled via the app.

Key Features

- Open Architecture-Drag & Drop DSP
- Innovative ACX Designer software for MAC & PC
- Premium Grade Mic Pre-Amps
- Mic/Line Input Selection per Input with 48V Phantom Power
- Ethernet Connectivity and Control
- Use our Free ACXTouch Software on your Android Device to Control Neutrino
- Third Party Control

Specifications

- Input impedance - $>10k\Omega$
- Output impedance - 50Ω
- Maximum level - $+20\text{dBu}$
- Frequency response - $\pm 0.15\text{dB}$ (20 to 20kHz)
- Dynamic range - 110dB
- Distortion - 0.002%(1kHz @ $+4\text{dBu}$)
- Processor - 40-bit Floating point
- Sampling rate - 48kHz
- Analog converters - High-performance 24-bit
- Power - 90-240 VAC(50-60Hz)
- Dimensions - 19"x1.75"x9"(483x44x229mm)
- Weight - 11lbs/ 5kg

Audio DSP



XD Series

Designed for the highest sound quality, intuitive control and excellent performance. The XD-4080 professional matrix DSP system controller is the big brother of the XP series and the flagship of the family. With a powerful DSP, FIR filter brick wall and AES / EBU. By using up-to-date DSP electronics and hardware technologies, the XD series is positioned among the top players in the pro audio industry.

Key Features

- AES-EBU digital I/O using DB-25 multi-pin connector to suit larger digital deployments
- High performance FIR crossover filters
- Phase correction
- Dual IIR crossover per input /output
- Xconsole GUI software for MAC & PC or front panel control
- USB, RS232 and Ethernet connectivity
- 32 presets stored on device
- 24 bit AD/ DA conversion, 40 bit floating point DSP, 96 KHz sampling rate guarantees high end quality audio
- All inputs offer 650ms delay , 31 band graphic EQ, 8 parametric EQ's , a complete filter section (max 48dB) and a compressor
- All outputs offer 650 ms delay, 8 band parametric EQ's, a complete filter section(max 48dB) And a true RMS limiter
- Works with ACX touch app

Specifications

- Input impedance - $>10k\Omega$
- Output impedance - 50Ω
- Maximum level - +20dBu
- MFrequency response - $\pm 0.1\text{dB}$ (20 to 30kHz)
- Dynamic range - 115dB
- Distortion - 0.002%(1kHz @ +4dBu)
- Sampling rate - 96kHz
- Analog converters - High-performance 24-bit
- Power: 90-265 VAC (50/60Hz) – 20VA
- Dimensions - 19"x1.75"x9"(483x44x229mm)
- Weight - 10 lbs / 4.6 Kg

Audio DSP



XP Series

Professional Audio matrix DSP system controller, delivering great value-to-price, Reliable and backed by years of legacy. XP 4080 provides 4 Line inputs and 8 Line outputs true XLR. Easily controlled by ACX Console by USB or Ethernet. Software is Windows and macOS supported.

Key Features

- Xconsole GUI software for MAC & PC or front panel control
- USB, RS232 and Ethernet connectivity
- 32 presets stored on device
- 24 bit AD/ DA conversion, 40 bit floating point DSP, 96 KHz sampling rate guarantees high end quality audio
- All inputs offer 650ms delay, 31 band graphic EQ, 8 parametric EQ's, a complete filter section (max 48dB) and a compressor
- All outputs offer 650 ms delay, 8 band parametric EQ's, a complete filter section (max 48dB) And a true RMS limiter
- Works with ACX touch app

Specifications

- Input impedance - $>10k\Omega$
- Output impedance - 50Ω
- Maximum level - +20dBu
- MFrequency response - $\pm 0.1dB$ (20 to 30kHz)
- Dynamic range - 115dB
- Distortion - 0.002% (1kHz @ +4dBu)
- Processor - 40-bit Floating point
- Sampling rate - 96kHz
- Analog converters - High-performance 24-bit
- Power: 90-265 VAC (50/60Hz) – 20VA
- Dimensions - 19"x1.75"x9" (483x44x229mm)
- Weight - 10 lbs / 4.6 Kg

Power Amplifiers



D1660

The 16 channels D1660 amplifier, can deliver a power of 60W at 4 Ohm loads. The perfect solution for installed Multi-Zone audio distribution systems, with great simplicity in use and installation.

All done in double rack space, steel 19" rack mount housing. Inputs and outputs are all performed with 3-pin Euro-Terminal block connectors, allowing balanced input signals. Each individual channel is fitted with a separate gain control potentiometer. Stereo Bridge & Parallel via a switch to avoid cable clutter when distributing the input signal. Built-in multipurpose protection circuit protecting against DC malfunction, short circuit, overheating, overload, and limits the signal when necessary.

Key Features

- 16 channel amplifier giving 16x 60 Watt at 4 Ohm impedance
- Simple in use and easy to install
- Perfect for multizone solution
- Independent volume knob for each channel
- Independent switch to select stereo/ bridge to avoid signal interference when assigning input channels
- Built in protection mode by limiting output signal, preventing overheating and overload

Specifications

- Channel number: 16 analog input, 16 speaker output
- Phoenix connectors on Input/output ports
- Output power(1% THD+N, 1kHz @ 4Ω): 60Wx16
- Output power(1% THD+N, 1kHz @ 8Ω): 30Wx16
- Total system efficiency(2 x 250W@ 8Ω): 88%
- Peak Output Current: 9.2A
- THD+N (1kHz @ 1W): 0.1%
- Dynamic range: 110dB(A)
- Idle Noise: 100μV(A)
- Impedance (1kHz): 200 mΩ
- Main input voltage: 90VAC – 240VAC
- Power Supply: IEC
- Dimensions : 483x325x88 mm
- Weight : 8,6 kg

Power Amplifiers



NP4-300

The ACX NP4-300 is a high-quality Class D power amplifier designed for the fixed installation market. With a circuit structure based on the company's independent development of multi-loop control technology and excellent technical indicators, ACX thus guarantees high quality and reliability. The NP4-300 power amplifier can drive both low-impedance and 100-volt speaker systems.

Key Features

- High energy efficiency, in line with the trend towards energy saving and emission reduction
- Can drive a low impedance load ($8\ \Omega/4\ \Omega$) or a high impedance distributed load (100 V constant voltage)
- Low fan noise, which meets the requirements of the near field
- Stereo, parallel, bridge mode
- Temperature power control and overheating protect

Specifications

- Rated Power $8\ \Omega$ /Stereo: 4x300 W
- Rated Power $4\ \Omega$ /Stereo: 4x450 W
- Rated Power $16\ \Omega$ /Bridge: 2x600 W
- Rated Power $8\ \Omega$ /Bridge: 2x900 W
- Rated Power Constant Pressure: 2x900 W/100 V
- Input sensitivity: 1 Vrms, 0.7 VRMS selectable
- THD+N: 0.05%
- IMD-SMPTE: 0.05%
- DIM30: 0.05%
- Crosstalk suppression: $\geq 75\ \text{dB}$
- Frequency Response: $\leq \pm 0.2\ \text{dB}$
- Input impedance: $20\ \text{k}\Omega$ (balance) $10\ \text{k}\Omega$ (unbalance)
- Damp Coefficient($8\ \Omega$, 20Hz-200Hz): ≥ 1000
- SNR(A weighted 20Hz-22kHz): $\geq 100\ \text{dB}$
- Size(W×H×D): 480x44x290mm
- Net Weight: 8kg

Power Amplifiers



NP Series

NP Series of digital power amplifiers have excellent technical indicators, especially for the power amplification technology in the case of low impedance and high current, so that the amplifier has more 95% Efficiency and excellent stability; switching power supply adopts active PFC With the soft switching technology and Audio Power Amplifier optimized design, it can adapt to the harsh power grid environment, and provide the power amplifier with continuous surging power.

The NP series amplifiers have the characteristics of high reliability, full power, superior timbre, and strong adaptability. have 2 Channel, 4 Channel 2 variety, stable and reliable 2Ω Drive capability, perfect for line arrays.

Key Features

- High energy efficiency, in line with the trend towards energy saving and emission reduction
- Adopt international high-end manufacturers device, first-class quality; temperature control fan, quiet operation
- Low fan noise, which meets the requirements of the near field
- Stereo, parallel, bridge mode
- Temperature power control and overheating protect

Specifications

- Rated Power 8Ω/Stereo: 2×2000 W
- Rated Power 4Ω/Stereo: 2×3400 W
- Rated Power 2Ω/Stereo: 2×4760 W
- Rated Power 16Ω/Bridge: 1×4000 W
- Rated Power 8Ω/Bridge: 1×6800 W
- Rated Power 4Ω/Bridge: 1×1156 W
- Output RMS voltage: 126.5V
- Gain: Selectable: 41dB, 38dB, 35dB, 32dB
- THD+N: 0.01%
- IMD-SMPTE: 0.01%
- DIM30: 0.01%
- Cross-talk: ≥90 dB
- Frequency Response: ≤±0. 2db
- Input impedance: 20kΩ(balance) 10kΩ(unbalance)
- Damp factor(8Ω,20Hz-200Hz): ≥5000
- SNR(A weighted 20Hz-22kHz): ≥112dB
- Size(W×H×D): 483×44×370mm
- Net Weight: 9kg

User Interfaces



XWP

Easy-to-use panel with a 1.5" OLED display and a rotary switch with push function, from which up to 32 control parameters can be controlled. Programming is done in the ACX Console via drag and drop. Simply drag the desired functions such as volume control, on/off switch, source selection, presets, 3rd party control commands, etc. onto the panel.

Key Features

- Wall panel for EU sockets (1-gang)
- Simple drag & drop programming in ACX Console
- Up to 32 control parameters (presets, zones, on / off, 3rd party, ...)
- PoE and DHCP compatible
- Password protection possible

Specifications

- Screen size : 1.5 inch OLED
- Display: 128x128 resolution
- Connectors : RJ45 Ethernet
- Power : PoE
- Wall mount: EU/UK 1 gang standard electrical box
- Module dimensions : 38,1x55.9x63.5mm
- Weight : 0.2 kg

User Interfaces



TP Touch Panel

5" and 8" programmable touch control. Surface mounts onto EU,UK 1-gang boxes and low voltage brackets using the included mounting bracket. PoE powered. Optional external power supply.

Key Features

- 5" and 8" programmable touch control
- Simple drag & drop programming in ACX Console
- Surface mounts onto EU,UK 1-gang boxes
- PoE powered
- Landscape or Portrait display modes

Specifications

- Display : IPS technology, 16.7M colors
- Resolution: 1280x720
- Brightness : 400 Nits
- Panel Orientation : Landscape / Portrait
- Rear Panel: RJ-45, LAN, 1000Mbps
- Dimensions : 132x81x34mm(TP-5)
223.5x148.4x36.8mm(TP-8)
- Weight : 0.2 kg(TP-5), 0.5kg(TP-8)