Additional Digital Amplifiers

nXp1.52 Multi-Mode Amplifier w/ Dante

SUB   SUB

nXp1.54 Multi-Mode Amplifier w/ Dante

MF   MF

HF   HF

Wireless Router

digiMIX24 24-Input Digital Mixer w/ Dante

Network Control

Ashly digiMIX iPad® App

Dante®

Ideal for Auditoriums and Worship Venues

This Line Array system is designed with a digiMIX24 mixing console and nXp Series power amplifiers. This application uses one digiMIX24 (w/ Dante-32) one nXp 1.52 (2 x 1500W) , one nXp 1.54 (4 x 1500W) , with a Dante® option (OPDC4).

Live Digital Mixing Console

The **digiMIX24** is a 24-Channel Digital Mixing Console with two performance modes: 24x8 AUX channels, or 24x4 AUX channels and 24x4 SUB-group channels with 6x DCA fader groups. Dante® network audio installed.

DSP Processing and Power for Subs

The **nXp1.52** is a two-channel amplifier and is configured as a subwoofer using the on-board DSP. Crossover, limiting and delay DSP are available for speaker system management. It can deliver up to 1250W into 8 Ohms, 1500W into 2 or 4 Ohms.

DSP Processing and Power for Line Arrays

The **nXp1.54** is a four-channel amplifier configured and drives the high-frequency and mid-frequency components. Crossover, limiting and delay DSP are available for speaker system management.

This system has four (4) array elements. Four 16 Ohm drivers would be a 4 Ohm load and four 8 Ohm drivers would be a 2 Ohm load.

The nXp 1.54 selectable outputs can be loaded to 2 or 4 Ohms and deliver up to 375W on each HF and MF component.

- Extensive protection circuitry
- Remote Power On/Off w/ Disable
- Euroblock Inputs/Outputs
- AUX Outputs
- FIR Filtering

Digital Connectivity with Dante®

Audio transmitted over analog cables can be adversely affected by signal degradation due to electromagnetic interference, high-frequency attenuation, and voltage drop over long cable runs.

Using a stereo console with Dante, digital network output is connected to a router and distributed to the nXp power amplifiers. Digital audio provides several advantages over traditional analog audio distribution.

Power Plus Intelligence

All controlled with our proprietary **Protea™ Software Suite**, 32-bit SHARC DSP processing is standard equipment for comprehensive audio processing in nX amplifiers. Extensive DSP includes:

-48kHz / 96kHz sampling rates
-FIR Filtering
-Matrix Mixer
-Comp/Limiter
-Autoleveler
-Gate
-Feedback Suppressor
-EQ: 31-Band, Parametric, HP/LP,
-All Pass, Bandpass, FIR
-Crossover (2-way / 3-way / 4-way)
-Delay

digiMIX24 Remote App

Users can also have control of all amplifier inputs via the free **Ashly Remote for iPad** (shown) that allows control of digiMIX functions of the console (iPad not included. Requires additional wireless router. Not shown.)

Additional notable features:

- Serial data control
- Aux preamp outputs
- Instant standby mode
- Preset recall
- Fault condition logic outputs
- Digital audio capability
- Network audio
- Built-in signal generator for test tone and noise-masking
- Precision load impedance monitoring on each amplifier channel output