



Ideal for Large Auditoriums and Worship Venues

This example shows a Dante-enabled solution for a multiple zones with global connectivity on various floors in a university or a church.

Dante allows interconnection with a wide array of available Dante-compatible devices. This keeps the wiring requirements simple (all CAT5 or CAT6) and realizes the benefits of an all-digital signal path- free from noise, EMI interference and ground loops.



All this can run on a single dedicated or existing Ethernet network, using standard network hardware. Ashly's Dante I/O cards now supports Dante v4.0 which is compliant with AES67 standards and offers greater flexibility and compatibility when configuring systems utilizing various digital audio transmission protocols. Dante end-points work with PoE (Power Over Ethernet).

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. With the Dante® network card installed, it can digitally connect to all Dante-equipped components.

DSP Processing and Power for Subs

The nXp 3.04 is a four-channel amplifier and is configured for subs using the on-board DSP. EQ, Crossover, limiting and delay DSP are available for speaker system management. It can deliver up to 4000W per sub into 8 Ohms in bridged mode.

DSP Processing and Power for Line Arrays

The nXp 3.04 is a four-channel amplifier configured for driving the mid-frequency and high-frequency components of the line array. EQ, Crossover, limiting and delay DSP are available for speaker system management.

This system has four (3) array elements per side. Three 16 Ohm drivers would be a 6 Ohm load and 3 8 Ohm drivers would be a 3 Ohm load. The nXp 3.04 selectable outputs can be loaded down to 2 Ohms and can deliver up to 375W on each HF and MF component.

- Extensive protection circuitry
- Remote Power On/Off w/ Disable
- Euroblock Inputs/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. In this case, the stereo mains, 4 monitor (AUX) buses and four Overflow (AUX/Subs) can be transmitted over Dante using simple CAT5 or CAT6 wiring.

Additionally Input sources such as mics and instrument may also be fed to the mixer using available Dante stage boxes or adapters.

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:

Protea DSP includes:

- Matrix Mixer
- Comp/Limiter
- Auto-Leveler
- Auto-Mixing
- Feedback Suppressor
- Ambient Noise Control
- Ducker
- Gate
- Delay
- EQ: 31-Band, Parametric, HPF/LPF
- Crossover (2-way / 3-way / 4-way)



Ashly Remote and digiMIX24 Remote Apps

Users can also have control of all amplifier inputs via the free Ashly Remote app for iPad and also control of digiMIX console using the Free digiMix app (iPad not included. Requires additional wireless router.) Both apps are available for download from the Apple App Store.

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