ASHLY

4-Sided Audio System (Gymnasium)

Input Source

Ashly Remote for iPad®

Ashly WR-5 Programmable Wall Remote

Mic

Mp3

- Preset Scroll
- Preset Recall
- Input / Output Gain
- Source Select
- Matrix Gain

Dante®

PoE Switch

Wireless Router

ne4800 Digital Signal Processor w/ Dante®

nX8004 Multi-Mode Power Amplifier w/ Dante®

Home

Visitor

Center Floor

Center Floor

Home End

Visitor End

DSP Matrix Mixing

The above diagram illustrates a Gymnasium system simplified with Ashly's nX Series power amplifier and Ashly signal processing.

The ne8800 Digital Signal Processor offering 8 inputs that can be configured for automatic mic mixing. Auto-mixing is a real plus when the system has multiple wireless microphone inputs in addition to the wired mic inputs.

- 8 x 8 DSP Processor
- Mic / Line Inputs
- Extensive DSP
- Automatic Microphone Mixer
- Feedback Suppressor
- Speaker DSP on outputs (crossover, delay, graphic EQ, limiter)

Power Amplification

The nX8004 multi-mode amplifier can be programmed for 70V and will easily support the 200W tap on each of the three speakers connected on each channel. Based on speaker preference one could use various low impedance speakers with a total load 2 Ohms.

Use rear panel DIP switches to program each channel output for either High-Z (70V or 100V Constant Voltage) or Low-Z (stable down to 2 Ohms) operation. When in Sleep Mode, the nX amplifiers draw less than 1 Watt.

- 4 x 800W Power Amplifier
- Multi-mode, Selectable Outputs
- Extensive Protection Circuitry
- Remote Power On/Off
- Disable Front Panel

Two stereo inputs are summed at the wall plate and connected to the ne4800. Two mic-level inputs are also connected. A portable cart can be used to expand inputs. The inputs have eq and limiting as needed.

Intuitive Remote Control

A WR-5 wall remote in each meeting room provides user adjustments for microphone and music playback levels. Another WR-5 wall remote located in a secure location provides selection of room configuration (pre-set). A WR-5 wall remote gives the operator limited level control of each input from floor.

This system can be supported with an iPad® by simply adding a WiFi router and downloading Ashly Remote Free iPad App. (Apple iPad not supplied by Ashly.)

Dante®-Enabled System

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, EM 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.