

Complete Audio Solution

Creating and controlling a council chamber system has now been simplified with one nX754 Multi-mode amplifier, one nX752 Multi-mode amplifier, one ne8800m digital signal processor with mic inputs. NE processors offers ease of use, setup and control using standard 10/100 Ethernet protocol and Protea NE Software.

The ne8800m has an advanced automatic feedback suppressor and a mix-matrix used to create a "mix-minus" function. "Mix-minus" can lower, or remove, the level of a microphone that is near a specific loudspeaker to achieve maximum gain-before-feedback. Microphones can be custom tailored to the user with the powerful DSP on each input. Loudspeakers can be custom tailored with the DSP on each output. This design uses microphones with a push-to-mute button (for private discussion).

The Ashly WR-5 is used to control AUX input levels for audio/video playback.

All inputs except the audience mic are routed to this speaker. There are speakers over the council members and over the seating area (audience).

Power Amplification w/ Mic Mixing and DSP

• ne8800m Signal Processing

- 8 total inputs (requires mic input option cards)
- 8 total outputs
- 10/100 Ethernet and RS232 computer interface is standard
- Microphone preamps w/ phantom power
- Advanced automatic feedback suppression
- Mix Matrix = "Mix-Minus"
- Extensive DSP available
- Easy and intuitive user interface

• WR-5 Remote Control

- Remote level control for in/outs
- Simple Preset Recall
- Add fader control option for mics (RD-8C)

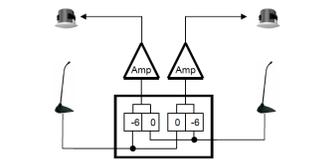


Figure 1

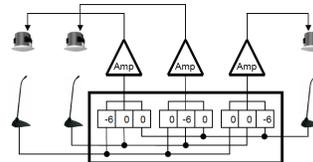


Figure 2

"Mix-Minus" is a function that reduces or removes specific content in individual or groups of loudspeakers.

Figure 1: This is an example of how mix-minus can minimize feedback by reducing the level of a microphone physically close to a specific loudspeaker. Both microphones always appear in both loudspeakers. The nearest microphone to a loudspeaker is -6dB down to reduce gain-before-feedback.

Figure 2: "Mix-minus" can be expanded for more microphones and loudspeakers.

System diagrams are for reference only to illustrate typical installation practices. Any questions about the performance or configuration of our products should be directed to our technical support staff.