

# CENTRUM SOUND

## Four-channel Automatic Mixer

AT-MX341a



### What is the SmartMixer?

The AT-MX341a SmartMixer® Automatic Microphone Mixer is a microprocessor controlled, automatic switching, four-channel microphone mixer.

The microphone inputs are XLR-F-type balanced, with 12-volt phantom power available on pins 2 and 3. The output is XLR-M-type balanced, non-inverting.

AT-MX341a mixers can be daisy-chained via the included AT8325/1.0 Link Cable and special connectors on the rear panel. The control bus and the audio are carried between mixers by the link cable. The result is that all microphones on a multi-mixer system can be controlled by one microphone connected to any mixer. Since all of the mixers are independently powered, there is no practical limit to the number of SmartMixers that can be daisy-chained.

### Features

To custom-tailor conferencing needs, the mode of each microphone channel can be independently switched via the front panel "priority pre-select" DIP switches. The combination of switch settings results in three different modes of priority selection/operation.

In any of the three modes of automatic operation, when everyone stops talking, the last microphone "on" will remain "on." In a teleconferencing, recording, or broadcast application, this feature will provide continuous room ambience. This feature is cascaded throughout all linked mixers so that only one microphone in the entire system will remain on.

Each input channel has an independent gain control on the front panel. Substantial gain reserve and adjustment range permits microphones of widely differing sensitivities to be used together successfully.

When a microphone is "off," its input is only attenuated. This attenuation is factory set at 8 dB. The amount of "off" attenuation can be internally adjusted between 6 dB and 20 dB if desired. (See page 8, "Adjusting 'Off' Attenuation.")

A "manual" setting on the front panel bypasses the AT-MX341a's automatic switching and attenuation functions, causing the unit to behave like a conventional 4-channel mixer. In this mode, the relative level of each microphone is strictly a function of the position of its respective front-panel gain control.

**CENTRUM SOUND** - *Your Source for Assistive Listening & Sound Reinforcement Systems*

572 La Conner Drive • Sunnyvale • CA • 94087

Tel: 408-736-6500 • Fax: 408-736-6552 • e-mail: [sales@centrumsound.com](mailto:sales@centrumsound.com)

Website: <http://centrumsound.com>