

Now multiplex four listening position measurements into one RTA “spatial averaged” measurement to quickly optimize the overall frequency response of a listening area.

MX399 SoundPro

Microphone Multiplexer:

- Provides a single, spatially-averaged acoustic input from up to four microphone positions for Real Time Analyzer measurements
- Provides a continuously-updated average measurement of the overall response of the listening area to allow easy equalization adjustments and average response documentation
- Avoids the problem of making room adjustments based on the acoustic response of just a single point in the room, or of manually averaging measurements to determine needed adjustments
- Performs four microphone multiplexed sampling, as used by all major cinema/sound reinforcement/home theater organizations, for a good average of overall room response
- Measures the averaged output of two, three, or four attached XLR microphones, or monitors individual microphones for gain equalization
- Provides internal microphone supply voltages and preamps to eliminate the need for extra boxes and simplify setup
- Portable, battery-operated design eliminates the need for AC power connections
- Unit power automatically controlled by connection to an SP395 or SP495 ‘SoundPro’



The MX399 is a companion to the Sencore SP395 or SP495 SoundPro to help test, adjust, and document the acoustically averaged frequency response of cinema theaters, home theaters, churches, halls, banquet rooms, meeting rooms, clubs, or any



other venue in which great sound in the least amount of time is a requirement.

The MX399 Microphone Multiplexer provides measurements of the average response of a listening room. This allows you to position subwoofers or adjust equalizers as you immediately see the measured results of your adjustments. When you complete your adjustments, you can store one RTA measurement to document the average response of the room.

MX399 Specifications

Frequency Response: 20 Hz-20 kHz +/- 2 dB
Dynamic Range: 25 dB to + 120 dB (SPL) input

Microphone Switching: Variable
 Minimum Range: 0.5 sec. to 1.5 sec
 (Factory adjust to approximately 1 second)

Inputs
Microphone Inputs: Four (matched to SoundPro microphones)
Connector: Balanced XLR Female
Input Impedance: 40 kohms nominal
Gain/Cal. Adjustment: ±4 dB
Phantom Mic Power: +48 Volts

Power
Internal battery pack (Six AA cells)
Power Switching: Controlled by SoundPro Phantom voltage output (-48V)

Output
Output: One (matched to SoundPro Microphone Input)
Connector: Balanced XLR Male (pins 2 & 3 signal, pin 1 ground)
Output Impedance: 110 ohms +/-20%

General
Case: Metal
Size: 3.25" x 7.5" x 4.25" (HWD)
Weight: 1 lb. 5oz. w/supplied battery installed

Microphone Selection:
 Manual selection of Mic 1, Mic 2, Mic3, or Mic 4.
 Automatic alternating switched selection of attached microphones by sensing microphone phantom current

MX399 Inputs and Output



MX399 Supplied Accessories

- Four Microphone cables 12 ft. XLR male to XLR female (#13G122):** Connects the individual microphones to the MIC INPUTS of the MX399. Four cables are supplied.
 Note: The SP395 or SP495 is shipped with an identical cable that is used to connect the MX399 to the SoundPro.
- Three Standard Measurement Microphones (#39G1156):** Measurement microphones that connect to the MIC Inputs of the MX399. Microphones meet or exceed ANSI S1.4 Type 2 specifications. These microphones match the microphones supplied with the Sencore SP395 or SP495. Three microphones are supplied.



Call 1.800.SEN.CORE (736-2673)
 for more information
 or email:sales@sencore.com