TASCAM MX-8A 8x8 Matrix Mixer with DSP Processing

The TASCAM MX-8A is a Matrix Mixer equipped with 8 mic / line inputs and 8 line outputs as well as integrated DSP for audio optimization in various environments and configurations Custom control apps are also available to allow easy setup and adjustment by both system integrators and end users.

Structuring small to mid-scale systems

The TASCAM MX-8A is possible to mix mic and playback equipment audio signals into 8 different zones. This function can be used in installation systems for small to medium scale stores, restaurants or banquet rooms, etc.

Powerful Integrated DSP

The onboard DSP provides a full set of audio processing for mic and line inputs including Compressor, 4 parametric EQ, auto level, ducking and more. On line level outputs, the DSP delivers 10 band EQ, high pass filters, low pass filters, delay and limiter effects.

Remote Control Software

Control of the TASCAM MX-8A via either of the two available control software applications

- TASCAM MX CONNECT, designed for integrators and providing control over the configuration and settings of an entire system.

- TASCAM EZ CONNECT, designed for end-users and providing easy control over a variety of settings.

Configurable Input Modules

Allows mic / line inputs levels to be configured and modified by the onboard DSP.

Input module functions:

- Mic/line input switching
- Phantom power (+48V) ON/OFF (mic input)
- PAD (mic input)
- Mic gain (mic input)
- Compressor
- 4 band EQ2 band parametric EQ
  Low shelving EQ / High pass filter
  High shelving EQ
- Auto level control
- Mute
- Fader
- Fader / Mute grouping

Phantom Power and Remote Gain Control

The integrated mic preamps support phantom power (+48V) and the input gain may also be controlled remotely via the TASCAM MX CONNECT software; RS-232C or Ethernet compatible control systems.

TASCAM Studio Quality Mic Preamps

The MX-8A features high grade TASCAM borne of years of designing professional audio equipment. Input range covers -70 dBu to +26 dBu, with equivalent input noise achieving less than -126 dB, and a signal-noise ratio of over 108 dB.

Built-in 10 in/10 out matrix mixer

The MX-8A is able to mix 10 different sources (8-channel mic/line inputs with stereo USB audio interface) and set mix configurations for each of the 8 different output zones, plus the stereo USB audio interface output zone.

Matrix mixer functions:

- Mute
- Fader
- Fader / Mute grouping
- Ducking function
- Ambient noise compensator function

Auto audio configuration functions for a clearer sound

With the ducking function and/or the ambient noise compensator function, users will be able to have a much clearer sound when making announcements or when playing some background music. These can be configured different on each output zone of the matrix mixer.

- **Ducking**
  This function detects the level of a mic input and simultaneously turns down the level of the selected output zone. This can be used to increase intelligibility of announcements when background music is present.
- **Ambient Noise Compensator**
  The Ambient Noise Compensator (ANC) function also detects input source level and automatically configures the level of the selected output zone. Whenever there is fluctuation on the noise level of a field environment, this function will automatically compensate the volume for clearer background music or announcements.

Output Routing

8 different mixes can be flexibly routed to the 8 line outputs.

Configurable Output Modules

The powerful DSP of the TASCAM MX-8A will also allow processing of signals routed to the output for easy optimization for different spaces and audio playback systems throughout the installation.

Output module functions:

- 10 band EQ
  8 band parametric EQ
  Low shelving EQ / high pass filter
  High shelving EQ / low pass filter
- Delay
- Limiter
- Phase switching
- Test tone
- Mute
- Fader
- Fader / Mute grouping

Compatible with Audio Playback / Recording software

The built-in 2 in / 2 out USB audio interface also enables the TASCAM MX-8A to function as powerful and flexible audio recording interface, compatible with a variety of operating systems including: Windows / macOS / Android / iOS.

Features

- 8-channel mic / line input with phantom power (+48v) support
- Supports remote mic gain control
- 8 line output
- Equipped with Euroblock connectors for signal input / output
- Compatible with external software (Windows / macOS / Android / iOS) for audio playback / recording via USB audio interface function
- Includes a variety of DSP functions for optimal use in different scenes / environments
- Flexible scene preset function allows recall of a variety of configurations (Up to 50 presets)
- Timer event function allows to automatically switch scenes at a specified time (planned to be compatible on a future version update)
- 2 types of user control software available for Windows / Mac / iOS / Android devices:
  TASCAM MX CONNECT (For integrators); Input / output routing selection, DSP / design / scene settings of the complete system, etc.
  TASCAM EZ CONNECT (For end-users); Simple app design with only the necessary functions such as area volume settings, etc.
- Equipped with a RS-232C connector to support serial remote control systems
- Equipped with an RS-485 connector to remote control the MX-8A via dedicated wall-mount remote control (optional accessory, launch date TBA)
- Supports remote control via Ethernet
- 1U rack-mountable size
- Installed indicators display operating status and control software connection status