

Mini-Sam II Digital SOUND AND MOTION CONTROLLER

The Mini-SAM II Rev. 2 digitally records and plays back synchronous digital audio and control information. Its compact size and efficient design make it perfect for message repeating and control applications where cost and space are a concern. It can play back 2.1 channels of digital audio (1 stereo channel with subwoofer or two independent mono channels), along with synchronous control information. A multi-channel polyphony feature allows numerous audio sounds to play on the same channel. Audio and control information are stored on Compact Flash Cards (not provided). Files can be efficiently transferred to and from CF cards using a PC with CF card reader/writer. Professional quality audio ranges from 16 to 24bits of resolution with audio selectable sampling rates of up to 48.1Khz. The powerful on-board power amplifier provides 50W (25W x 2 channels) of rock-solid power. Audio line outs and provisions for line and microphone inputs are also provided. Eight optically isolated trigger inputs, 16 direct output controls, and DMX-512 in/out for additional control are all included. Programming the MS-2 is simple with a PC and the FREE (with purchase of hardware) SKE Software. The Mini-SAM II can be used in countless applications including robotics, animated characters, messages on hold, annunciators, public address systems and public safety. Playback can be triggered from several sources including motion sensors, switches, logic signals, door and pressure sensors, and much more. The unique design behind the Mini-SAM II is patented.



Mini-SAM II (Model MS-2 Rev. 2) Features and Specifications

- 2.1 stereo or two mono audio outputs. Multi-channel polyphony feature.
- 16 to 24-bit PCM Audio. Up to 48.1 KHz sampling. Maximum number of messages limited only by CF card size.
- Embedded digital signal processing (DSP) including seven-band EQ, compression/expansion, subwoofer crossover, ducking, cross-fading, independent track and channel volume controls.
- On-board two-channel power amplifier. 25W x 25W into 4 ohms (4 ohms or higher recommended speaker impedance).
- Audio line outputs, provisions for audio line and microphone inputs with on-board analog to digital converters.
- Compact Flash Interface (CF cards sold separately).
- 16 discrete bits of digital output control, low-side switching via open-collector transistors 125mA typical.
- 8 optically isolated input triggers with high or low-side triggering.
- RS-232/RS-485 interfaces allow programming, triggering and additional control. DMX-512 in and out for control expansion.
- Powerful Sequence Programming and emulation for user scripting of event triggering, 2.1 channel and multi-track audio, output control, DMX-512, audio channel and track volume and ducking, and many other functions.
- On-board real-time clock with backup battery. Real-time event triggering through sequence programming.
- Operating system can be upgraded in the field.
- Sequence programming language capability: 32 concurrent processes.
- Recommended Power Supply: 12-26 Volts DC @ 3 Amps (5 Amps Max).
- Compact Enclosure; 5.125" L x 5.5" W x 1.5" D. Weight 1 lb 2oz. Several possible mounting configurations. One year warranty.

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