

PRODUCT
MDR 8

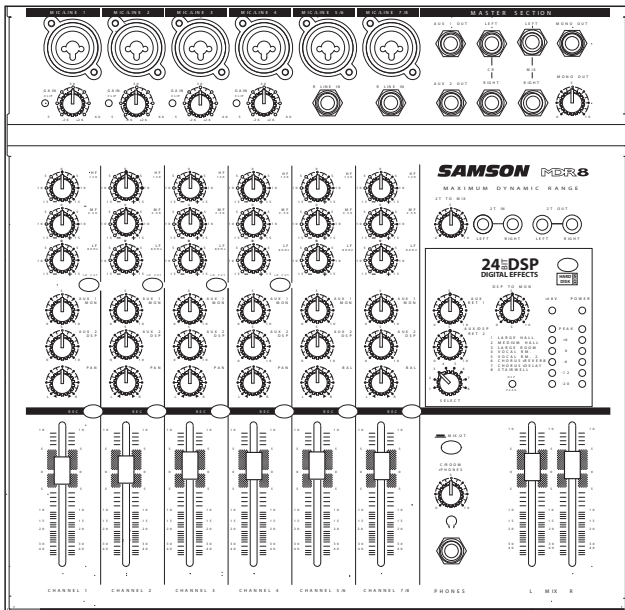
DESCRIPTION
MIXER

SERIES
MDR

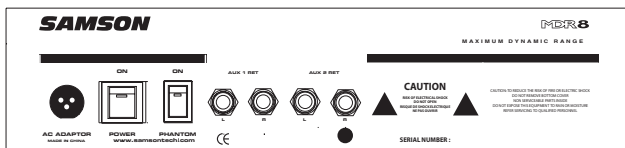
CATEGORY
MIXERS



FRONT PANEL



BACK PANEL



GENERAL DESCRIPTION

The MDR8 is an eight channel mixer, with six low noise microphone pre-amps, and built-in 24 BIT DSP effects processor. The MDR8 also features HDM (Hard Disk Mode), which when engaged, provides a special monitoring and bussing mode ideal for interfacing with a computer based hard disk recorder. Clean, clear sound reproduction with dazzling digital effects including Delay, Chorus and lush Reverb, packaged in a rugged enclosure, ensure reliable high quality sound from performance to performance. Optimized for recording, live sound reinforcement and commercial installations, the MDR8 is an ideal mixer solution offering big sound in a compact package.

FEATURES

- > Eight Channels – Four Mic/Line plus two Stereo inputs with mic pre's.
- > Flexible design topology ideal for live sound, recording and post production.
- > On-board 24 BIT DSP (Digital Signal Processor) multi-effects processor with eight great sounding presets including REVERB, DELAY AND CHORUS.
- > Unique monitoring and bussing in HDM (HARD DISK MODE) provides a seamless interface with computer based, hard disk recording systems.
- > 60 mm audio taper faders on all channels and the master Mix outputs.
- > 2T to Mix control allows you to mix in a CD, DAT, Cassette, Computer Sound Card or Mini Disk with the channel faders.
- > Three-band channel equalizer, +/-15dB at 80Hz, 2.5 KHz and 12KHz provides precise and musical results in sound shaping.
- > Two Auxiliary Sends for built-in or external effects, on stage monitor mix, or headphone mixing.
- > Five segment LED Meter with VU ballistics displays the main MIX output.
- > High quality, low noise, discrete microphone pre-amplifiers with 48-Volt phantom power, provide Maximum Dynamic Range and transparent audio.
- > Advanced circuit design using discrete components and high quality, low noise op-amps carefully selected at each stage of the signal path.

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PRODUCT SPECIFICATION SHEET

SERIES
MDR

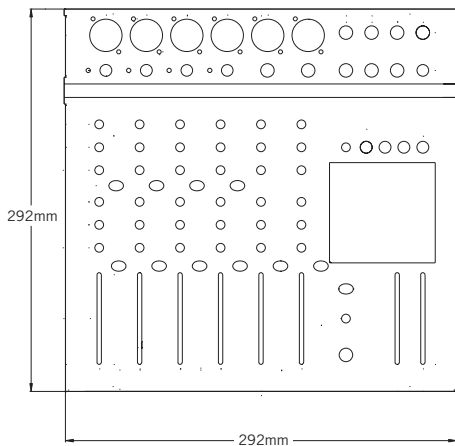
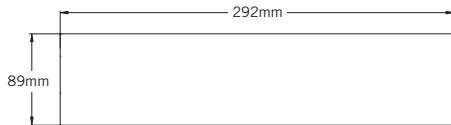
DESCRIPTION
MIXER

CATEGORY
MIXERS

MDR 8

FEATURES (continued)

- > Quality built and rugged construction ensure reliable performance from venue to venue and session to session.
- > Three-year extended warranty.



ARCHITECT'S & ENGINEER'S SPECIFICATIONS

The Samson MDR8 shall be an 8 input, stereo output mixer. It shall have 4 mic channels with trim controls, HF, MF, and LF equalizer controls, 2 aux sends, pan control and a 60mm fader. It shall have 2 mic/line stereo channels with all the same controls as the mic channels except for the trim control. 60mm left and right output faders will be available. Each channel shall have a REC button which when pushed along with the Hard Disk button in the master section allows that channel's output to be sent through the 2TK output and to a computer for recording without getting a loop. A mono output with level control shall be provided. A control room and headphone output and level control shall also be provided. 24 bit DSP effects shall also be provided with 8 presets. The MDR8 uses an external power supply.

MDR 8 SPECIFICATIONS

Frequency Response (Trim @ Min, unity gain +0/-1 dB)
 Mic to Main 10 Hz - 30 kHz
 Line to Main 10 Hz - 30 kHz
 Aux Return to Main 10 Hz - 30 kHz
 Line to Aux Send 10 Hz - 32 kHz

T.H.D. (Trim @ Min, +4dBu output, unity gain, 1 kHz w/30 kHz LPF)
 Mic/Line to Main (Mono Ch) .0.02%
 Line to Main (Stereo Ch) 0.02%
 Line to Aux Send 0.02%

Equivalent Input Noise ("A" filter on, input shorted)
 Mic.....-128 dB
 Line.....-102 dB

Maximum Voltage Gain
 Mic to Main 74 dB
 Line to Main (Mono Ch) 56 dB
 Line/Tape to Main (Stereo Ch) ..20 dB
 Aux Return to Main 20 dB
 Mic to Aux Send 74 dB
 Line to Aux Send (Stereo Ch) ... 34 dB

Residual Noise (30 kHz LPF, all control Min)
 Main.....-89 dBu
 Aux Send-86 dBu

Crosstalk (@ 1 kHz w/ 30 kHz LPF)
 Ch vs. Ch-75 dB
 Input vs. Output -84 dB

Peak LED Sensitivity
 (before clipping) 5 dB

CLIP Indicators Turn on: THD> 0.1%

Headphone output (600 ohm load)..... 100 mW

Maximum Input Level (1 kHz, Ch. & Mix fader set to zero)
 Mic Input (Mono Ch) + 11 dBu
 Line Input (Stereo Ch) + 27 dBu

Input Channel Equalizer (± 2dB)
 High (shelving) 12 kHz ±15 dB
 Mid (peaking) 2.5 kHz ± 15 dB
 Low (shelving) 80 Hz ±15 dB

Meters..... 6 POINT LED METERS (-20, -12, -6, 0, +6dB and PEAK)

Internal DSP Effects 24 bit, - 8 Presets: 1 - Large Hall; 2 - Medium Hall; 3 - Large Room; 4 - Vocal Room; 5-Vocal Room 2; 6-Chorus + Reverb; 7- Chorus + Delay; 8 - Stairwell

Phantom Power +48V

Power Requirement 110V-240V, 50/60Hz

Power Consumption 24W

Dimensions (W x D x H) 11 1/2" x 11 1/2" x 3 1/2"
 292mm x 292mm x 89mm

Weight..... 6.3 lbs. (2.9 Kg)