

PRODUCT  
**MDR 6**

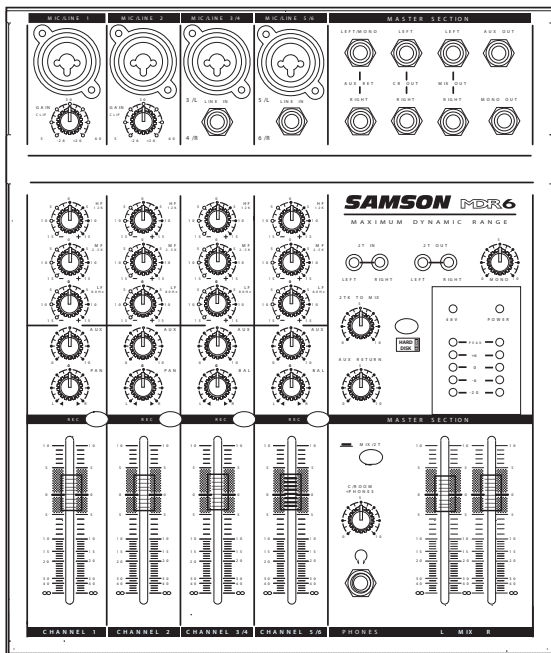
DESCRIPTION  
**MIXER**

SERIES  
**MDR**

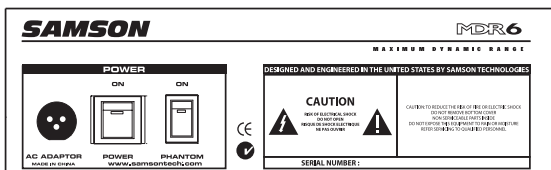
CATEGORY  
**MIXERS**



FRONT PANEL



BACK PANEL



**GENERAL DESCRIPTION**

The MDR6 is a six channel mixer, with four low noise microphone pre-amps. The MDR6 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 packaged in a rugged enclosure, ensure reliable high quality sound from performance to performance. Optimized for recording, live sound reinforcement and commercial installations, the MDR6 is an ideal mixer solution offering big sound in a compact package.

**FEATURES**

- > Six channels – Two Mic/Line plus two Stereo inputs with mic pre's.
- > Flexible design topology ideal for live sound, recording and post production.
- > 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.
- > 2 Track To Mix level 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.
- > One Auxiliary Send for external effects, onstage 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.
- > Quality built and rugged construction ensure reliable performance from venue to venue and session to session.
- > Three-year extended warranty.

**PRODUCT SPECIFICATION SHEET**

**MDR 6**

SERIES  
**MDR**

DESCRIPTION  
**MIXER**

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**MIXERS**

**MDR 6 SPECIFICATIONS**

**Frequency Response** (Trim @ Min, unity gain +0/-1dB)

- 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 Hz 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 ..... -104 dB

**Maximum Voltage Gain**

- Mic to Main ..... 74 dB
- Line to Main (Mono Ch) ..... 56 dB
- Line/Tape to Main (Stereo Ch) 34 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 ..... -87.5 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 0)

- 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** ..... 5 POINT LED METERS (-20, -6, 0, +6dB and PEAK)

**Phantom Power** ..... +48V

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

**Power Consumption** ..... 19 watts

**Dimensions** (W x D x H) ..... 9" x 10 3/4" x 3 1/2"  
(229mm x 273mm x 89mm)

**Weight** ..... 4.5lbs (2.1kg)

**ARCHITECT'S & ENGINEER'S SPECIFICATIONS**

The Samson MDR6 shall be a 6 input, stereo output mixer. It shall have 2 mic channels with trim controls, HF, MF, and LF equalizer controls, 1 aux send, 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. The MDR6 uses an external power supply.

