

PRODUCT  
**MDR 624**

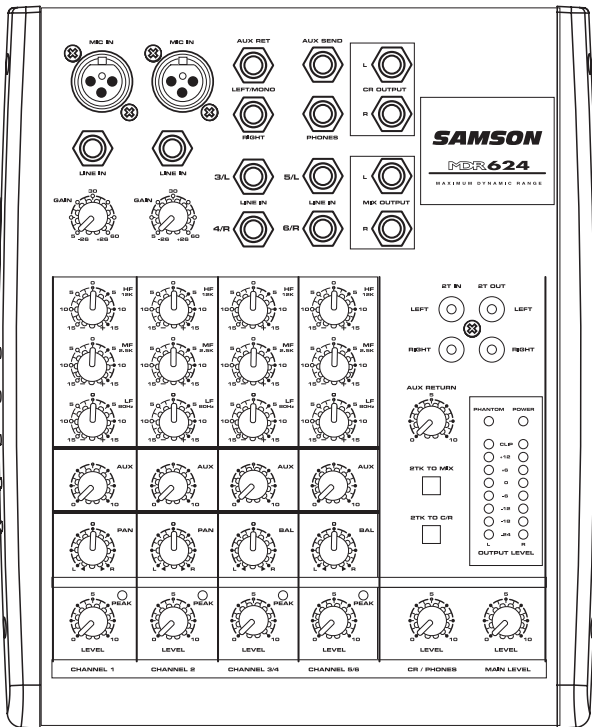
DESCRIPTION  
**MIXER**

SERIES  
**MDR**

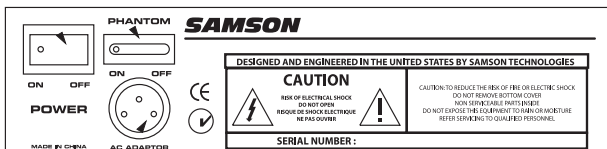
CATEGORY  
**MIXERS**



FRONT PANEL



BACK PANEL



**GENERAL DESCRIPTION**

The MDR624 is a six channel mixer, with two low noise microphone pre-amps. In addition to the two mono Mic/line inputs, there are two channels with left and right inputs to handle stereo signals. For added flexibility, you can change the tone quality of your microphones or other line inputs by using the three-band channel equalizers. Connecting external effects like a reverb or digital delay to the MDR624 is easy thanks to the Aux send on each channel along with the stereo Aux Return in the master section. LED indicators for Power, Phantom, Peak and Main Output Level make it easy to keep your levels set correctly and minimize distortion. Clean, clear sound reproduction, packaged in a rugged enclosure, ensure reliable high quality sound from performance to performance. Optimized for recording, live sound reinforcement and commercial installations, the MDR624 is an ideal mixer solution offering big sound in a compact package.

**FEATURES**

- > Six channels – Two Mic/Line plus two Stereo inputs.
- > Flexible design topology ideal for live sound, recording and post production.
- > 2 Track Input and Output allows you to mix in a CD, DAT, Cassette, Computer Sound Card or Mini Disk.
- > Three-band channel equalizer, +/-15dB at 80Hz, 2.5 KHz and 12KHz provides precise and musical results in sound shaping.
- > An Auxiliary Send for external effects, on stage monitor mix, or headphone mixing.
- > Eight 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 build and rugged construction ensure reliable performance from venue to venue and session to session.
- > Three-year extended warranty.

**PRODUCT SPECIFICATION SHEET**



SERIES  
**MDR**

DESCRIPTION  
**MIXER**

CATEGORY  
**MIXERS**

**MDR 624 SPECIFICATIONS**

**Mono input channels**

- Microphone input..... electronically balanced, discrete input configuration
- Frequency response ..... 10Hz to 50kHz, +/-0.4dB
- Distortion (THD&N) ..... 0.05% at +4dBu, 1kHz
- Gain range ..... 5dB to 60dB(MIC)
- SNR (Signal to Noise Ratio) . 110dB
- Line input ..... electronically balanced
- Frequency response ..... 10Hz to 50kHz, +/-0.5dB
- Distortion (THD&N) ..... 0.04% at +4dBu, 1kHz
- Sensitivity range ..... -26dBu to +26dBu

**Stereo input channels**

- Line input ..... balanced
- Frequency response ..... 10Hz to 55kHz,+/-0.05dB
- Distortion (THD&N) ..... 0.05% at +4dBu, 1kHz

**Impedances**

- Microphone input..... 3.6Kohm
- All other inputs ..... 10Kohm or greater
- Tape out..... 1Kohm
- All other outputs..... 120ohm

**Equalization**

- Hi shelving ..... +/- 15dB @12kHz
- Mid bell ..... +/- 15dB @2.5kHz
- Low shelving..... +/- 15dB @80Hz

**Main Mix Section**

- Noise(Bus noise) ..... Fader 0 dB, channels muted: -100dB (ref.:+4dBu); Fader 0dB, all input channels assigned and set to UNITY gain: -89dB(ref.: 4dBu)
- Max output..... +22dBu balanced
- AUX Return gain range ..... 0 to +15dB
- AUX Send max out..... +22dBu

**Power supply**..... (AC/AC Adaptor)

- Main Voltage ..... USA/Canada 95-120V~,60Hz
- Europe..... 210-230V~,50Hz
- U.K./Australia..... 240V~,50Hz
- Power Consumption ..... 10 Watts

**Physical**

- Dimension (W, D, H) ..... 220mm x 250mm x 52mm
- Net weight ..... 3.7 lb. (1.7 kg) Without Adaptor

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

The Samson MDR624 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, level control and LED peak indicators. It shall have 2 line input stereo channels with all the same controls as the mic channels without the trim control and the pan control will be a stereo balance control. Output level controls will be available. A stereo main control room and headphone output and level control shall also be provided. The MDR624 uses an external power supply.

