

CLOCKAUDIO®

SPECIFICATIONS

INPUT IMPEDANCE	2.4k Ω differential
OUTPUT IMPEDANCE	
BALANCED	50 Ω
PRE-AMP OUT	560 Ω
MAX INPUT LEVEL	
MIC. LEVEL	-23 dBV
LINE LEVEL	+16 dBV
MAX OUTPUT LEVEL	+19 dBV
NOMINAL OUTPUT LEVEL AT 0 dBV ON METER	
PRE-AMP OUT	-10 dBV
BALANCED	-60 dBV to +4 dBV
OUTPUT GAIN CONTROL	0 to -40 dB
FREQUENCY RESPONSE	20Hz to 20kHz
2 BAND EQUALISATION ON EACH INPUT CHANNEL	
ADJUSTABLE OFF ATTENUATION FOR EACH CHANNEL	
THD+N	-70 dB
MAX NOMA ATTENUATION	20 dB
RECORD OUTPUTS FOR EACH CHANNEL	
PHANTOM POWER	+48V
POWER SUPPLY	15V DC
OPERATING TEMPERATURE	0° to 40°C
DIMENSIONS	W483mm(19") x D215mm(8.47") x H44mm(1.74")
WEIGHT	Nett 1.98kg (8.6lb) Shipping 2.7kg (16lb)

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As part of a continuous product improvement programme, we reserve the right to alter specifications without prior notice.

CLOCKAUDIO®

MR88 DIGITAL AUTOMATIC MIXER



PROFESSIONAL
MICROPHONE
SYSTEMS

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MR88 DIGITAL AUTOMATIC MIXER

The MR88 Automatic Microphone Mixer incorporates advanced DSP technology. It has been carefully designed to give outstanding performance and flexibility while maintaining simplicity of set up and use. Eight input channels, fully adjustable for microphone and line level, can be set up to be put on to either or both of the two output channels. Active input channels can be automatically detected. Each input channel can be set to a multi-level priority system. This allows "one at a time operation", "all channels active" or combinations with chairman priorities. When no one is talking, a constant ambient sound can be maintained through the system

by setting the last microphone selected to automatically stay on. Mixers may be chained together to make a large multi-source system with priority and NOMA information extending throughout.

With two independent channel busses provided, the MR88 can be used as a genuine 8 x 2 mixer.

FEATURES

- Easy set up with LCD display of all functions and settings from front panel and by PC through RS232 socket
- Fast, silent automatic microphone selection
- 8 Channel mic/line inputs on XLR connectors
- Record outputs for each input channel
- 2 Channel mic/line outputs on XLR and RCA phono connectors
- Output level LED meter
- 2 Band Equalisation on each input channel
- Compression
- Multi-level channel priority system
- Easy use with mono or stereo inputs
- Dual mono or stereo outputs
- Adjustable limiters on each input prevent channel overloads
- Adjustable 'off' attenuation of each input channel
- Channel LEDs indicate active or locked out channels
- Select NOMA operation on/off
- Simple daisy chain set up for multiple microphone operations
- 48V phantom power individually selectable for each channel
- Remote VCA control and RS232
- External TTL control and monitoring of channel selection
- Security mode
- 1U case size, rack-mounting

The input level control and priority system of this mixer makes it uniquely versatile for many diverse applications. The MR88 Mixer is ideal for places of worship, courtroom proceedings, meetings, seminars, and general A/V applications. It could easily be set up with two prioritised stereo sources and two voice-over microphones for use in pubs and clubs.

What is the MR88?

The MR88 is a DSP microprocessor controlled, automatic switching, 8-channel microphone mixer. The eight microphone/line inputs are XLR-F connectors, balanced with selectable +48V DC phantom power on pins 2 and 3 for microphones. The mixer has a non-inverting, XLR-M connector balanced output, and individual un-mixed, pre-amp outputs for external recording devices etc. Each channel has selectable priority settings, plus the last active microphone stays on, so that ambient sound is never muted. When more than 8 microphones are required, the MR88 also has the ability to be daisy chained with other MR88 mixers via a cable link (available separately), to give a multi-mixer system.

The MR88 uses a microprocessor control and provides full set up and control of the mixer, via a user-friendly LCD interface on the front panel. This allows mixer settings to be selected and adjusted without the need to remove the case. All settings are retained, even if the mixer is disconnected from the main power supply. To prevent the mixer settings being accidentally altered or to 'tamper proof' the settings, the mixer can be easily 'locked' with a three digit adjustable security code.

MR88 REAR PANEL

VCA Connector. Provides access to the open-collector outputs and the external control inputs.

RS232 Connection.

Link In/Out. Used for daisy chaining of multiple MR88 mixers when more than 8 input channels are required.

Balanced Outputs. XLR-M connectors. Level can be set to mic-level or line-level between -60dBV and +16dBV from the front panel.

RCA Outputs. Unbalanced outputs. (-10dB to the level set for the balanced outputs.)

Pre-Amp Outputs. Independent, unbalanced -10dBV outputs from the input channel pre-amps for connection to recording equipment. (e.g. tape recorders.)

Source Inputs. XLR-F connectors. Balanced inputs for low impedance dynamic or condenser mics, line inputs and audio equipment (CD players etc). Input level adjustable over full range from front panel. Can also supply 48V phantom power when selected from front panel.

Power Input. 15V DC power supply.

