

Product Spec Sheet from Rentex

Mackie 1604-VLZ3 16-Channel Mic/Line Mixer

Download Spec Sheet @ www.rentex.com/spec/MXR1600.pdf

Rentex Product No. MXR1600



Mfr Part No. 1604-VLZ3

Features

- New ultra-low noise VLZ3 design with highest possible headroom
- 16 studio-grade XDR2 Extended Dynamic Range mic preamps
- Advanced DC pulse transformer RF rejection
- 16 high-headroom line inputs, 16 channel inserts
- Extended low frequency response
- Balanced 1/4" inputs and outputs
- Distortion under 0.0007% (20Hz-20kHz)
- Advanced DC pulse transformer RF rejection
- Ultra-wide 60dB gain range

Detailed Specifications

Main Mix Noise

(20 Hz–20 kHz bandwidth, 1/4" Main out, channel gains @ unity gain, channel EQs flat, all channels assigned to Main Mix, odd channels panned left, even channels panned right.)

Main Mix fader unity, channel faders down: –88.5 dBu

(92 dB Signal to Noise Ratio, ref +4 dBu)

Main Mix fader unity, channel faders @ unity: –82.5 dBu

Total Harmonic Distortion (THD)

(1 kHz 35 dB gain, 20 Hz–20 kHz bandwidth)

Mic in to insert send: <0.0007%

Mic in to Main Out: <0.005%

Attenuation (Crosstalk)

(1 kHz relative to 0 dBu, 20 Hz–20 kHz bandwidth, Line in, 1/4" Main Out, Gain @ unity.)

Channel Mute switch engaged: –84 dBu

Channel Gain knob down: –84 dBu

Frequency Response

(Mic input to any output.)

20 Hz to 60 kHz: +0 dB/–1 dB

20 Hz to 100 kHz: +0 dB/–3 dB

Equivalent Input Noise (EIN)

(Mic in to Insert Send out, max gain.)

150 ohm termination: –129.5 dBu

Common Mode Rejection Ratio (CMRR)

(Mic in to Insert Send out, max gain.)

1 kHz: better than –70 dB

Maximum Levels

Mic in: +22 dBu

All other inputs: +22 dBu

Main Mix TRS out: +28 dBu

All other outputs: +22 dBu

Impedances

Mic in: 2.5 kilohms

Channel Insert return: 2.5 kilohms

All other inputs: 10 kilohms or greater

Tape out: 1.1 kilohms

All other outputs: 120 ohms

EQ

High Shelving ±15 dB @ 12 kHz

Mid Peaking ±15 dB sweep 100 Hz–8 kHz

Low Shelving ±15 dB @ 80 Hz

Low Cut Filter 18 dB/octave, –3 dB @ 75 Hz

Power Consumption

120 VAC, 50/60 Hz, 50 watts

Fuse Ratings

100–120 VAC 1A Slo Blo, 5 x 20 mm

220–240 VAC 0.5A Slo Blo, 5 x 20 mm

Dimensions (H x W x D) in Normal Pod Position

17.5" x 17.3" x 5.1" (445 mm x 440 mm x 129 mm)

Weight

20.0 lb (9.1 kg)