

# MIXER SPECIFICATIONS SECTION

## 1202-VLZ PRO Specifications

### Main Mix Noise

20Hz–20kHz bandwidth, 1/4" Main out, channels 1–4 Trim @ unity gain, channel EQs flat, all channels assigned to Main Mix, channels 1 and 3 Pan left, 2 and 4 Pan right.

Main Mix knob down, channel Gain knobs down: –100 dBu

Main Mix knob unity, channel Gain knobs down: –86.5 dBu

(90dB Signal to Noise Ratio, ref +4 dBu)

Main Mix knob @ unity, channel Gain knobs @ unity: –84.5 dBu

### Total Harmonic Distortion (THD)

1kHz @ +14 dBu, 20 Hz–20 kHz.

Mic Pre @ insert : 0.0007 %

### Attenuation (Crosstalk)

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

Main Mix knob down: –85 dBu

Channel Alt / Mute switch engaged: –84 dBu

Channel Gain knob down: –83 dBu

### Frequency Response

Any input to any output

20Hz to 60kHz: +0 dB/–1 dB

20Hz to 100kHz: +0 dB/–3 dB

### Equivalent Input Noise (EIN)

Mic in to Insert Send out, max gain

150 ohm termination: –129.5 dBm unweighted

### Common Mode Rejection (CMR)

Mic in to Insert Send out, max gain

1kHz: better than –90 dB

### Maximum Levels

Mic in: +22 dBu

Tape in: +16 dBu

All other inputs: +22 dBu

Main Mix XLR out: +28 dBu

All other outputs: +22 dBu

### Impedances

Mic in: 1.3 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

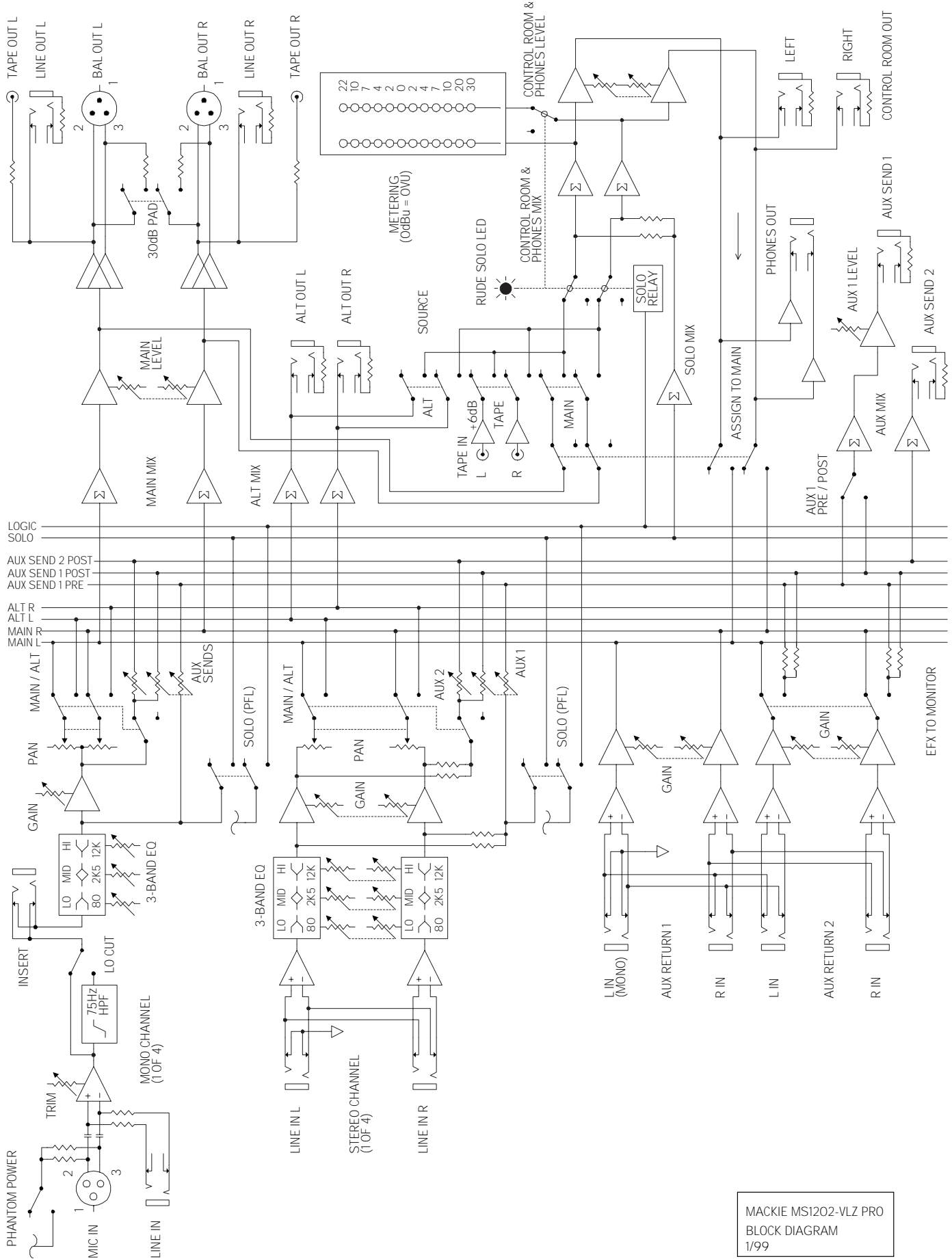
High Shelving ±15 db @ 12 kHz

Mid Peaking ±12 dB @ 2.5 kHz

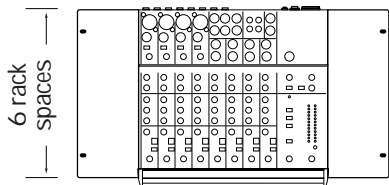
Low Shelving ±15 db @ 80 Hz

### Power Consumption

120 VAC, 50/60 Hz, 25 W



MACKIE MS1202-VLZ PRO  
BLOCK DIAGRAM  
1/99



with optional rack ears (RM1202-VLZ)

