MACKIE.

1202-VLZ3

PROFESSIONAL COMPACT MIXER

1202-VLZ3

The 1202-VLZ3 continues the evolution of the Mackie VLZ mixers. With improved XDR2™ mic preamps, a re-designed mix bus, and optimized active EQ on every channel, the 1202-VLZ3 is packed with premium features and maximum flexibility.

The 1202-VLZ3 is equipped with four mono mic/line channels and four stereo line-input channels, for a total of 12 input channels. Each channel has a 3-band EQ, Aux 1 and 2 sends, Pan, Mute/Alt, Solo and a Level control. In addition, the mic/line channels have phantom power, an input Gain control with 60 dB of gain, a sharp 18 dB/octave, 75 Hz Low Cut filter and a Channel Insert jack for connecting an external processor.

The Mute/Alt 3-4 switch effectively creates a second stereo bus. The Mute button on each channel mutes that channel in the Main Mix, but also acts as a router to the 3-4 stereo bus, greatly increasing signal routing flexibility.

The Control Room/Phones section has its own level control, outputs and input matrix for selecting any combination of Main Mix, Tape In and Alt 3-4 to create custom headphone mixes, to monitor tape levels and more. A separate switch routes this multi-source signal back into the Main Mix.

Aux Send 1 has a master level control and a switch for selecting pre- or post-fader send, whereas Aux Send 2 is a fixed post-fader send, perfect for effects loops. There are two stereo returns, with a switch to route Stereo Return 2 to Aux Send 1 (to include reverb in the monitors, for example).

Other features include a stereo tape input and output, a 1/4-inch stereo headphone jack, stereo 12-segment LED meters, and TRS and XLR stereo output jacks, with a mic/line level switch on the XLR outs.

Because of its many features and versatility, the 1202-VLZ3 may be used for extra studio-grade preamps, as aux inputs for a mixing console, or as an impedance- or level-matching audio toolkit.

APPLICATIONS

Live sound mixing, houses of worship, clubs, gymnasiums, banquet halls, conference rooms, boardrooms, studio and field recording, multimedia applications, broadcast, and many, many more.

FEATURES:

- Ultra-compact 12-channel mixer featuring Mackie VLZ3's signature low noise, high-headroom design
- Four studio-grade XDR2™ Extended Dynamic Range mic preamps with:
  - Ultra-wide 60 dB gain range
  - 130 dB dynamic range
  - +22 dBu line input handling
  - Extended low-frequency response
  - Distortion under 0.0007% (20 Hz – 20 kHz)
  - Phantom power for studio condenser mics
- 12 high-headroom line inputs
- Advanced DC pulse transformer RF rejection
- Two aux sends, level, pan, and PFL solo on each channel
- Two stereo aux returns with EFX to Monitor switch
- 3-band active EQ (80 Hz, 2.5 kHz, 12 kHz)
- 18 dB/octave, 75 Hz low-cut filter on mic input channels
- Alt 3-4 stereo bus for added versatility
- Control room/phones source matrix
- Rack-mountable design using optional rack ears
- Sealed rotary controls to resist dust and grime
- Multi-voltage power supply for worldwide use
- Rugged steel chassis

1202-VLZ3 SPECIFICATIONS

Noise Characteristics

(Mic in to Insert Send out, max gain)	
150 Ω termination	–129.5 dBu
(20 Hz to 20 kHz bandwidth, 1/4" Main Out, channels 1-4 Gain @ unity gain, channel EQs flat, all channels assigned to Main Mix, channels 1 and 3 panned left, 2 and 4 panned right)	
Main Mix knob down, channel Level knobs down	–100 dBu
Main Mix knob @ unity, channel Level knobs down	–86.5 dBu
Main Mix knob @ unity, channel Level knobs @ unity	–84.5 dBu
Signal-to-Noise Ratio, ref. +4 dBu	90 dBu

Frequency Response

(Mic input to any output)	
20 Hz to 60 kHz	+0 dB / –1 dB
20 Hz to 200 kHz	+0 dB / –3 dB

Distortion (THD+N)

(1 kHz @ 35 dB gain, 20 Hz to 20 kHz bandwidth)	
Mic pre @ insert	0.0007%

Attenuation and Crosstalk

(1 kHz relative to 0 dBu, 20 Hz to 20 kHz bandwidth, Line In, 1/4" Main Out, Gain @ unity)	
Main Mix knob down	–75 dBu
Channel Alt/Mute switch engaged	–85 dBu
Channel Level knob down	–87 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
Tape In	+16 dBu
All other inputs	+22 dBu
Main Mix XLR Out	+28 dBu
All other outputs	+22 dBu

EQ

High Shelving	±15 dB @ 12 kHz
Mid Peaking	±15 dB @ 2.5 kHz
Low Shelving	±15 dB @ 80 Hz
Low Cut Filter	18 dB/octave, –3 dB @ 75 Hz

Input and Output Impedance

Mic In	2.5 kΩ
Channel Insert Return	2.5 kΩ
All other inputs	10 kΩ or greater
Tape Out	1.1 kΩ
All other outputs	120 Ω

AC Power Requirements

Power Consumption	25 watts
US, JP Fuse rating	100 – 120 VAC, 50 – 60 Hz 500 mA slo blo, 5 x 20 mm
EU Fuse rating	200 – 240 VAC, 50 – 60 Hz 250 mA slo blo, 5 x 20 mm
Operating Temperature	0˚ – 40˚C 32˚ – 104˚F

Physical Properties (packaged product)

Height	14.0 in / 356 mm
Width	14.0 in / 356 mm
Depth	7.0 in / 178 mm
Shipping Weight	11.5 lb / 5.2 kg

Physical Properties (product)

Height	11.2 in / 284 mm
Width	11.9 in / 303 mm
Depth	3.0 in / 75 mm
Net Weight	6.5 lb / 3.0 kg

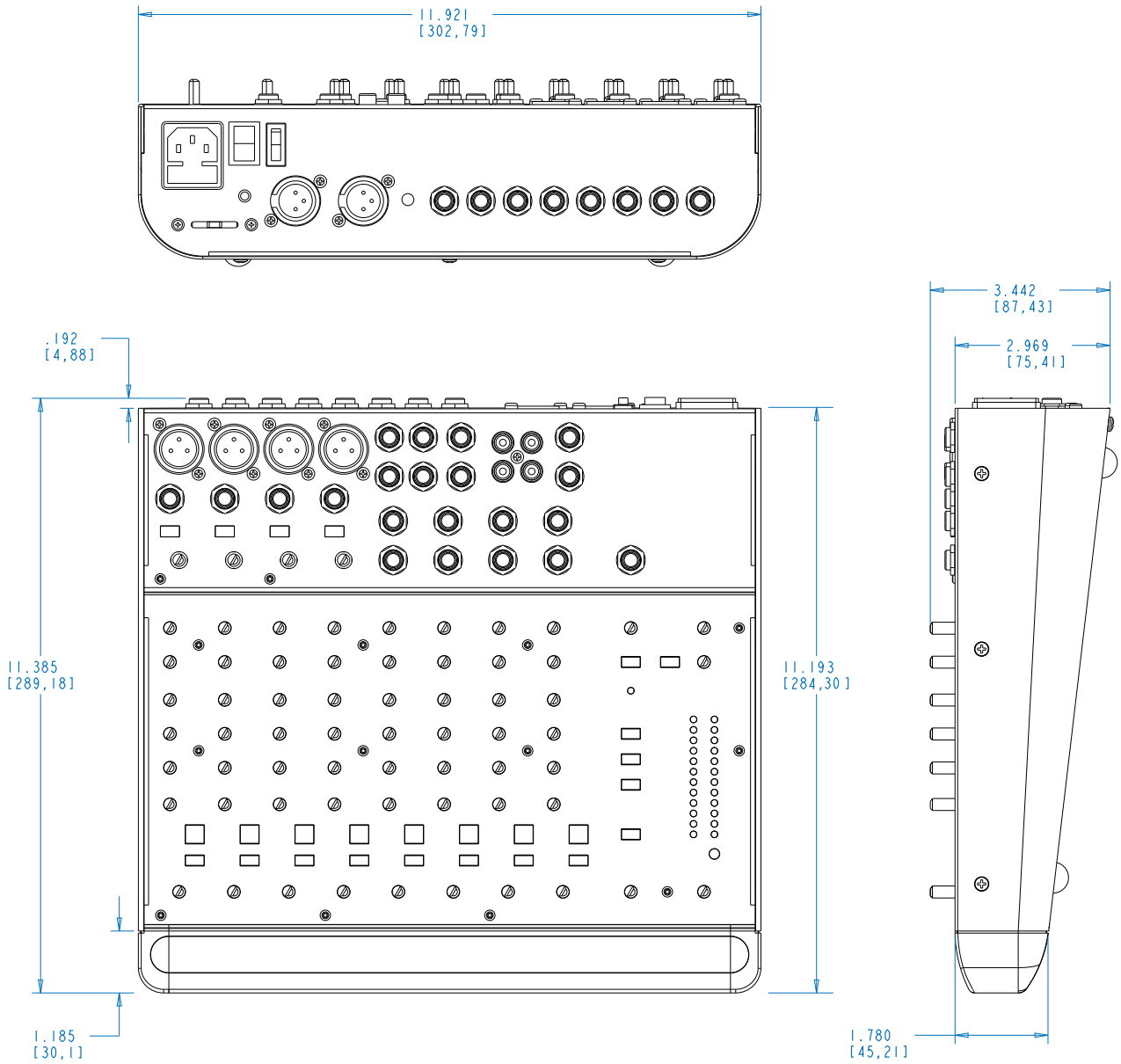
Options

Rackmount Bracket Set	090-046-90
Mixer Bag	093-004-00

Ordering Information

1202-VLZ3 12-Ch. Compact Recording/SR Mixer, US	P/N 0018452-00
1202-VLZ3 12-Ch. Compact Recording/SR Mixer, EU	P/N 0018452-01
1202-VLZ3 12-Ch. Compact Recording/SR Mixer, JP	P/N 0018452-02

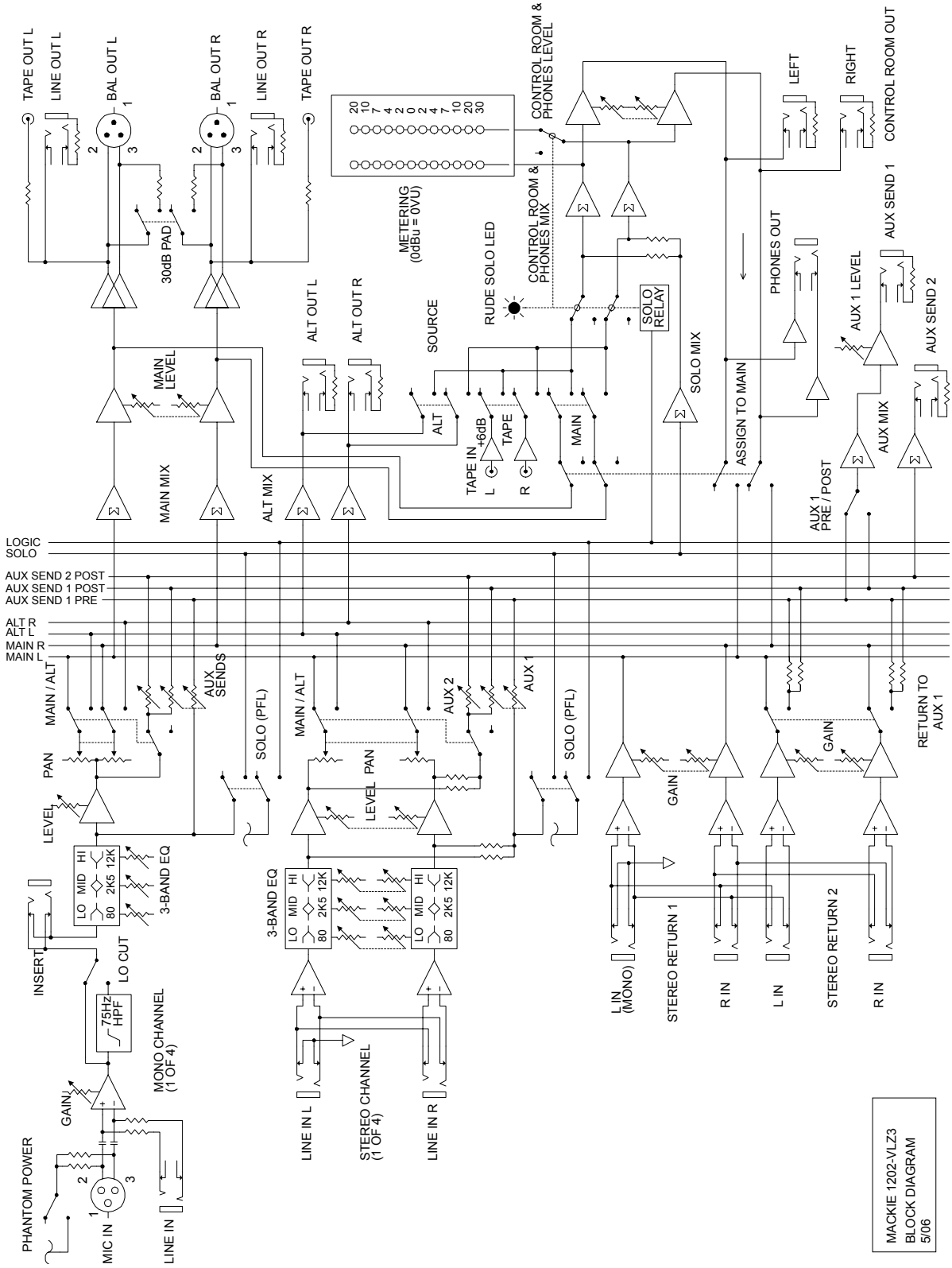
1202-VLZ3 DIMENSIONS



NOTES:
1. WEIGHT APPROX. 6.5 lb [3.0 kg].
2. SHIPPING WEIGHT APPROX. 11.5 lb [5.2 kg].

UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES, DUAL [MM] DIMENSIONS FOR REF ONLY

1202-VLZ3 BLOCK DIAGRAM



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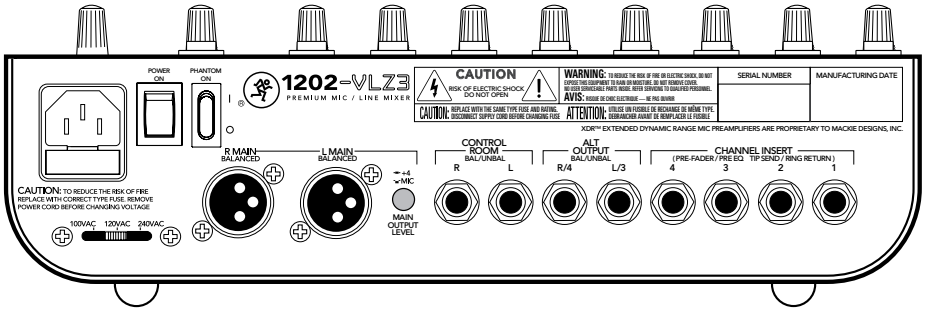
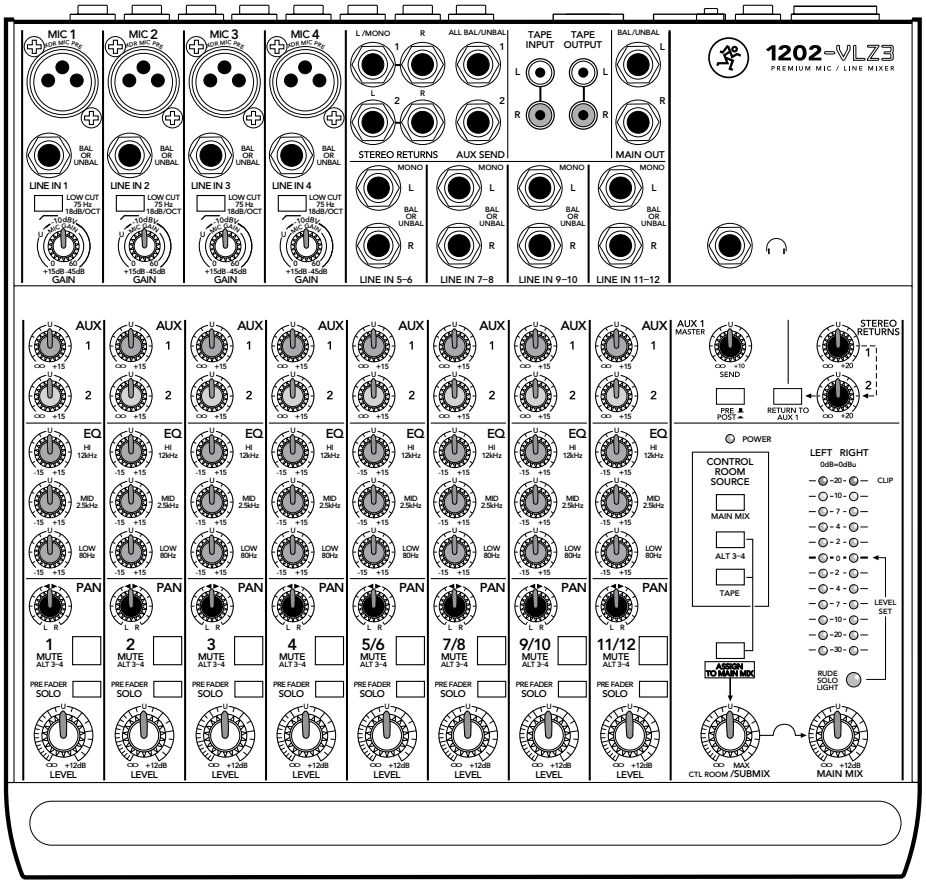
1202-VLZ3 FRONT AND REAR PANELS





Electronic files for this product are available at:
www.mackie.com

Specification Sheet	1202VLZ3_SS.PDF
Owner's Manual	1202VLZ3_OM.PDF

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