

1202VLZ4

The 12-channel 1202VLZ4 delivers the outstanding quality of our flagship Onyx preamps in a compact mixer design with the high-headroom/low-noise performance your professional application demands.

From every input to every output, you can count on the industry-proven performance you expect from a VLZ mixer. Plus, it is truly “Built-Like-A-Tank” with a ridiculously rugged solid-steel chassis plus high-contrast controls for ultimate tactile control.

And with features like a dedicated control room section, the 1202VLZ4 offers a true step up in flexibility and performance that’s ideal for your professional application.

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:

- 12-channel mixer featuring our signature high-headroom, low-noise design
- 4 boutique-quality Onyx mic preamps
 - Ultra-wide 60 dB gain range
 - 128.5 dB dynamic range
 - +22 dBu line input handling
 - Extended frequency response
 - Distortion under 0.0007% [20 Hz – 50 kHz]
- Improved RF rejection, perfect for broadcast applications
- Phantom power for condenser mics
- 12 high-headroom line inputs
- 3-band EQ (80 Hz, 2.5 kHz, 12 kHz)
- 18 dB/oct 75 Hz low-cut filter on mic input channels
- Aux send, level, pan and PFL solo on each channel
- Stereo return for connecting FX processor or other stereo source
- ALT 3/4 stereo bus for added routing flexibility
- Control room / phones source matrix
- High-resolution 12-segment stereo meters
- Sealed rotary controls resist dust and grime
- “Built-Like-A-Tank” rugged steel chassis with powder-coat finish
- High-visibility, high-contrast controls deliver convenient “at-a-glance” visual feedback
- Rack-mountable design using an optional rack ear kit
- Multi-voltage power supply for worldwide use



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1202VLZ4

12-Channel Compact Mixer

1202VLZ4 SPECIFICATIONS

Main Mix Noise

(20 Hz–20 kHz bandwidth, 1/4" main out, channels 1–4 gain @ unity, 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 gain knobs down:	–100 dBu
Main mix knob @ unity, channel gain knobs down:	–86.5 dBu
(90 dB Signal to Noise Ratio, ref +4 dBu)	
Main mix knob @ unity, channel gain knobs @ unity:	–84.5 dBu

Total Harmonic Distortion (THD)

(1 kHz @ 30 dB gain, 20 Hz–20 kHz bandwidth)

Mic pre @ insert	<0.0007%
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Attenuation / Crosstalk

(1 kHz relative to 0 dBu, 20 Hz–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 gain knob down	–87 dBu

Frequency Response

Mic input to main output (gain @ unity)
+0, –1 dB, 20 Hz to 50 kHz
+0, –3 dB, <10 Hz to >100 kHz

Equivalent Input Noise (EIN)

(Mic input to insert send out, max gain)

150 Ω termination	–128.5 dBu
20 Hz–20 kHz	

Common Mode Rejection Ratio (CMRR)

1 kHz	better than –70 dB
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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	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

EQ

High Shelving	±15 dB @ 12 kHz
Mid Peaking	±15 dB @ 2.5 kHz
Low Shelving	±15 dB @ 80 Hz

AC Power Requirements

Power Consumption	25 watts
US, JP	100 – 120 VAC, 50 – 60 Hz
EU, UK, AU, CN	200 – 240 VAC, 50 – 60 Hz
Operating Temperature	0° – 40°C
	32° – 104°F

Fuse Rating

100-120V	500 mA slo blo, 5 x 20 mm
220-240V	250 mA slo blo, 5 x 20 mm

Physical Properties (product)

Height	10.7 in / 273 mm
Depth	3.0 in / 75 mm
Width	11.9 in / 303 mm
Weight	6.5 lb / 3.0 kg

Physical Properties (packaged product)

Height	6.1 in / 155 mm
Depth	14.0 in / 356 mm
Width	13.2 in / 335 mm
Weight	8.0 lb / 3.6 kg

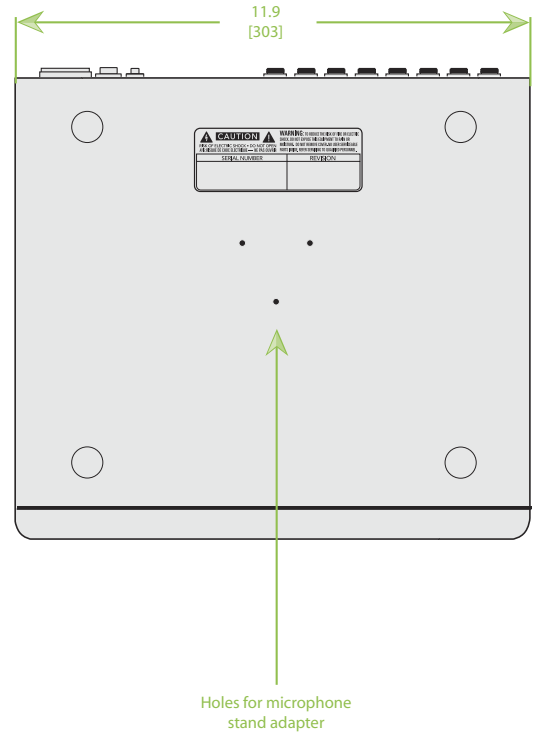
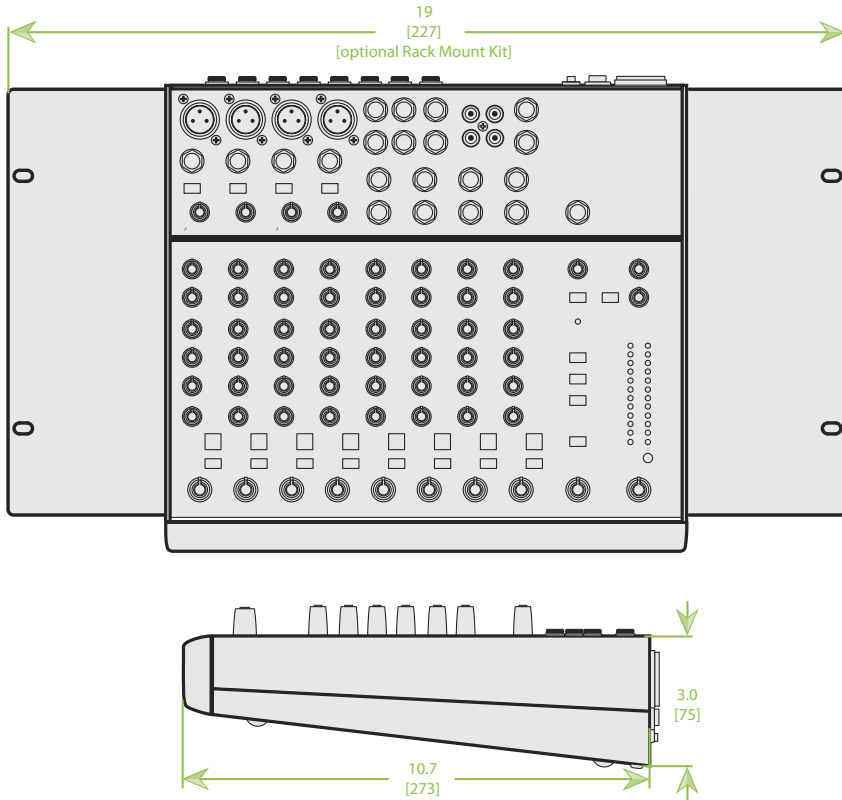
Options

1202VLZ4 Mixer Bag	P/N 093-004-00
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Ordering Information

1202VLZ4 12-Channel Compact Mixer, US	P/N 2040763-00
1202VLZ4 12-Channel Compact Mixer, EU	P/N 2040763-01
1202VLZ4 12-Channel Compact Mixer, JP	P/N 2040763-02
1202VLZ4 12-Channel Compact Mixer, UK	P/N 2040763-03
1202VLZ4 12-Channel Compact Mixer, AU	P/N 2040763-04
1202VLZ4 12-Channel Compact Mixer, CN	P/N 2040763-05
1202VLZ4 12-Channel Compact Mixer, BZ	P/N 2040763-06

1202VLZ4 DIMENSIONS



NOTES:

1. WEIGHT APPROX. 6.5 lb [3.0 kg]
2. SHIPPING WEIGHT APPROX. 8.0 lb [3.6 kg]

<p>THIRD ANGLE PROJECTION</p>	<p>UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES DUAL (MM) DIMENSIONS FOR REF ONLY</p> <p>TOLERANCE IN INCHES LINEAR ± 0.13 in / ± 3.3 mm ANGLES ± 1°</p> <p>(X.XX) = REF DIMS NO TOLERANCE IMPLIED</p> <p>TSC = THEORETICAL SHARP CORNER</p> <p>DIMENSIONS ACROSS CENTERLINES TO BE SYMMETRICAL</p>
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MICROPHONE STAND

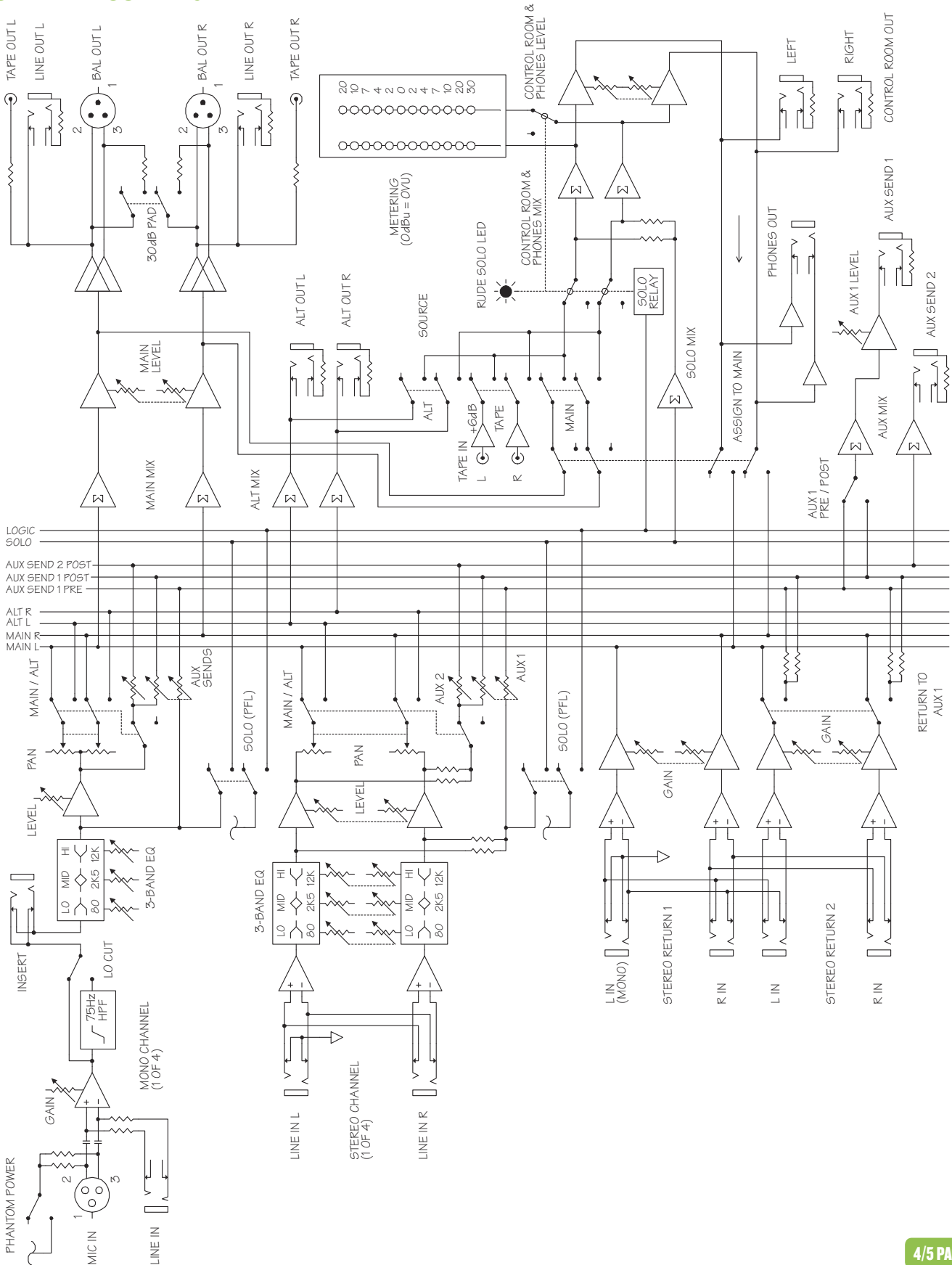
The bottom panel of the 1202VLZ4 has three non-threaded holes that allow it to be fitted with an optional microphone stand adapter. This lets you support the mixer on a standard mic stand and adjust its height and level to whatever suits your preferences.

The Atlas AD-11B mic stand adapter is available at many music stores. It is made and distributed by Atlas Sound.

Use three self-tapping machine screws 6-32 x 1/4" long to secure the adapter to the bottom of the 1202VLZ4.

Do not use screws longer than 1/4" as these could damage the circuit boards. Do not use screws shorter than 1/4", or the adapter will not be securely fixed to the mixer.

I202VLZ4 BLOCK DIAGRAM

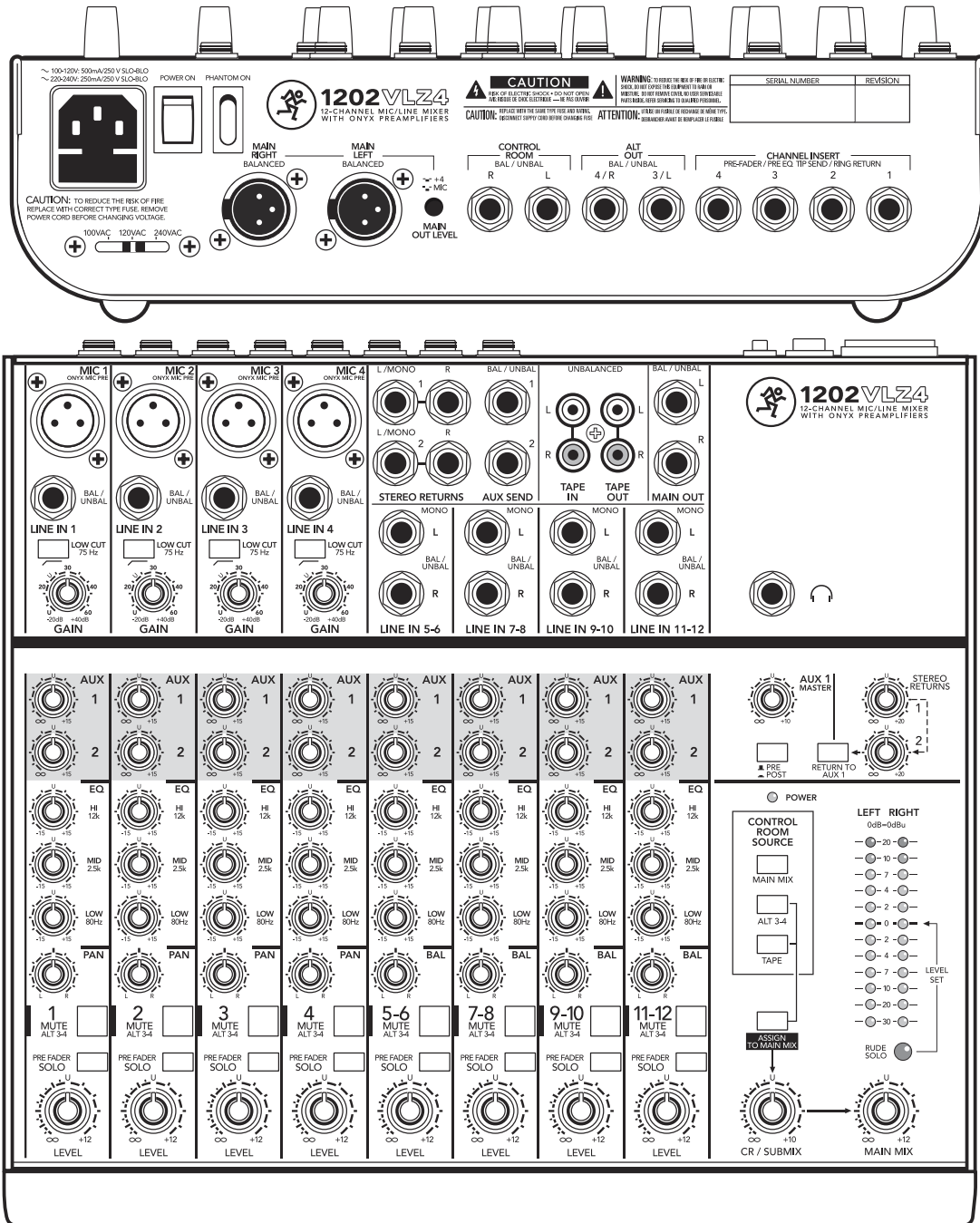




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12-Channel Compact Mixer

1202VLZ4 FRONT AND REAR PANEL



LOUD Technologies Inc. is always striving to improve our products by incorporating new and improved materials, components, and manufacturing methods. Therefore, we reserve the right to change these specifications at any time without notice.

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

Specification Sheet	1202VLZ4_SS.PDF
Owner's Manual	1202VLZ4_OM.PDF



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