

802VLZ4

The 8-channel 802VLZ4 features the proven performance of our flagship Onyx mic preamps in a desk-friendly, ultra-compact design, perfect for professional applications with a lower input need.

From every input to every output, the 802VLZ4 is designed to provide the highest headroom and lowest noise possible for maximum signal integrity.

Plus, it truly is “Built-Like-A-Tank” with a ridiculously rugged solid steel chassis and high-contrast controls for ultimate tactile control.

And with features like instrument level inputs, phantom power and level metering, the 802VLZ4 offers a true step-up performance and durability 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:

- 8-channel mixer featuring our signature high-headroom, low-noise design
- 3 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
- Eight high-headroom line inputs
- Selectable instrument inputs on first two channels – no DI box needed
- 3-band EQ (80 Hz, 2.5 kHz, 12 kHz)
- 18 dB/oct 100 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



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802VLZ4

8-Channel Ultra-Compact Mixer

802VLZ4 SPECIFICATIONS

Main Mix Noise

(20 Hz–20 kHz bandwidth, channels 1-3 gain @ unity, channel EQs flat, all channels assigned to main mix, channel 1 panned left, 2 panned right, 3-8 centered.)

Main mix knob down, channel level knobs down:

XLR: -95 dBu
TRS: -101 dBu

Main mix knob @ unity, channel level knobs down:

XLR: -90 dBu
TRS: -96 dBu

Main mix knob @ unity, channel level knobs @ unity:

XLR: -84 dBu
TRS: -90 dBu

Total Harmonic Distortion (THD)

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

Mic pre @ insert <0.001%

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 -100 dBu

Channel level knob down -100 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

Maximum Levels

Mic in +21 dBu

Tape in +22 dBu

All other inputs +22 dBu

Main mix XLR out +28 dBu

All other outputs +22 dBu

Impedances

Mic in	2.55 kΩ
Channel insert return	5 kΩ
All other inputs	17 kΩ or greater
Tape out	1.0 kΩ
Phones out	60 Ω
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

Power Requirements

Power Consumption	13 watts
Input	100-240V- 50/60Hz
Output	12.0VDC 2000mA
External Power Supply	2-pin IEC 250 VAC
Operating Temperature	0° - 40°C 32° - 104°F

Physical Properties (product)

Height	1.8 in / 47 mm
Width	8.9 in / 227 mm
Depth	10.7 in / 273 mm
Weight (with power supply)	5.5 lb / 2.5 kg
Weight (without power supply)	4.5 lb / 2.0 kg

Physical Properties (packaged product)

Height	3.7 in / 94 mm
Width	10.4 in / 264 mm
Depth	12.2 in / 310 mm
Weight	5.7 lb / 2.6 kg

Options

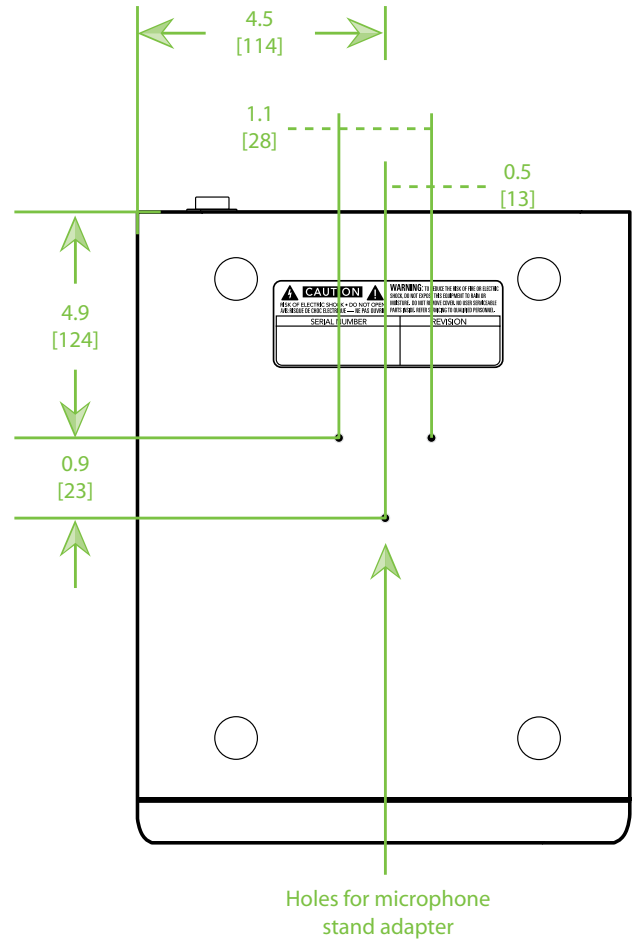
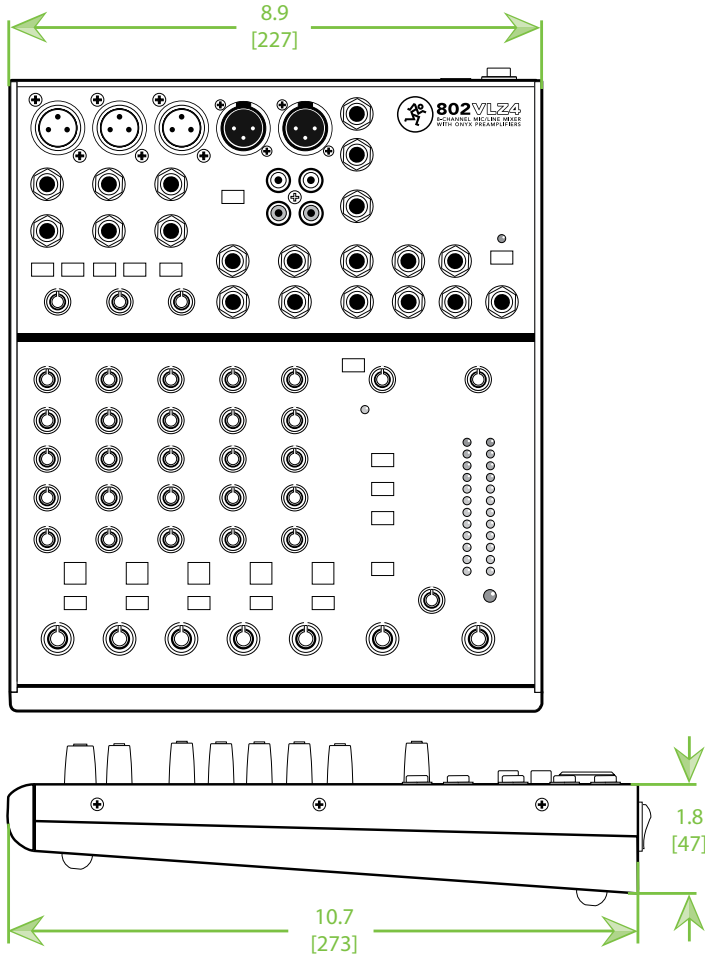
802VLZ4 Mixer Bag	P/N 2036809-09
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Ordering Information

802VLZ4 8-Channel Ultra-Compact Mixer, US	P/N 2040767-00
802VLZ4 8-Channel Ultra-Compact Mixer, EU	P/N 2040767-01
802VLZ4 8-Channel Ultra-Compact Mixer, JP	P/N 2040767-02
802VLZ4 8-Channel Ultra-Compact Mixer, UK	P/N 2040767-03
802VLZ4 8-Channel Ultra-Compact Mixer, AU	P/N 2040767-04
802VLZ4 8-Channel Ultra-Compact Mixer, CN	P/N 2040767-05
802VLZ4 8-Channel Ultra-Compact Mixer, BZ	P/N 2040767-06



802VLZ4 DIMENSIONS



MICROPHONE STAND

The bottom panel of the 802VLZ4 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 strangely-complex set of preferences.

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

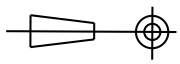
Use three Trilobular thread rolling screws 6-32 x 1/4" long to secure the adapter to the bottom of the 802VLZ4 [see below].



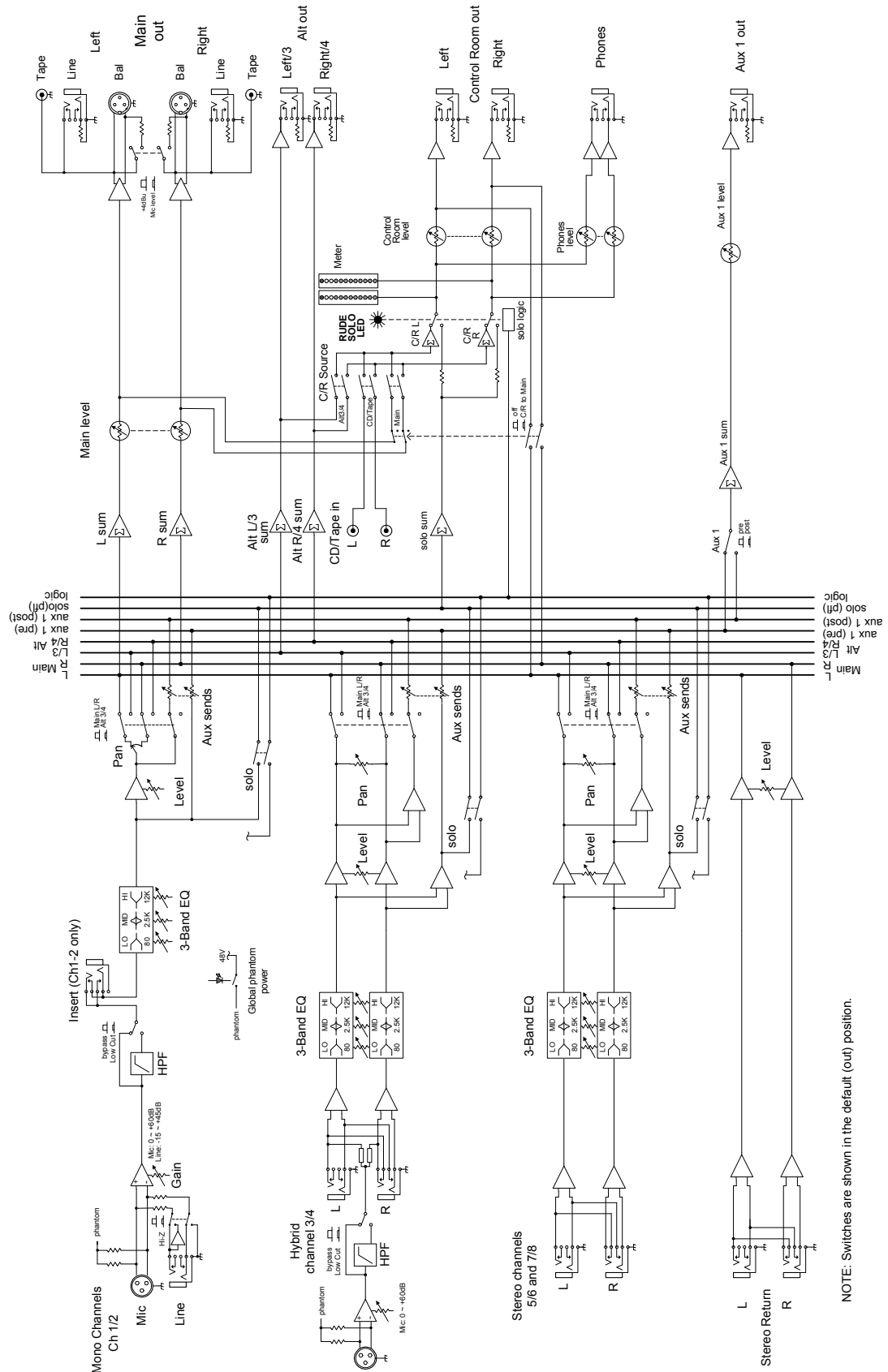
Do not use screws longer than 1/4", as these could damage the circuit boards. Do not use screws shorter than 1/4", or the adapter will not be securely fixed to the mixer.

NOTES:

1. WEIGHT APPROX. 5.5 lb [2.5 kg] – with power supply
2. WEIGHT APPROX. 4.5 lb [2.0 kg] – without power supply
3. SHIPPING WEIGHT APPROX. 6.8 lb [3.1 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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802VLZ4 BLOCK DIAGRAM



NOTE: Switches are shown in the default (out) position.

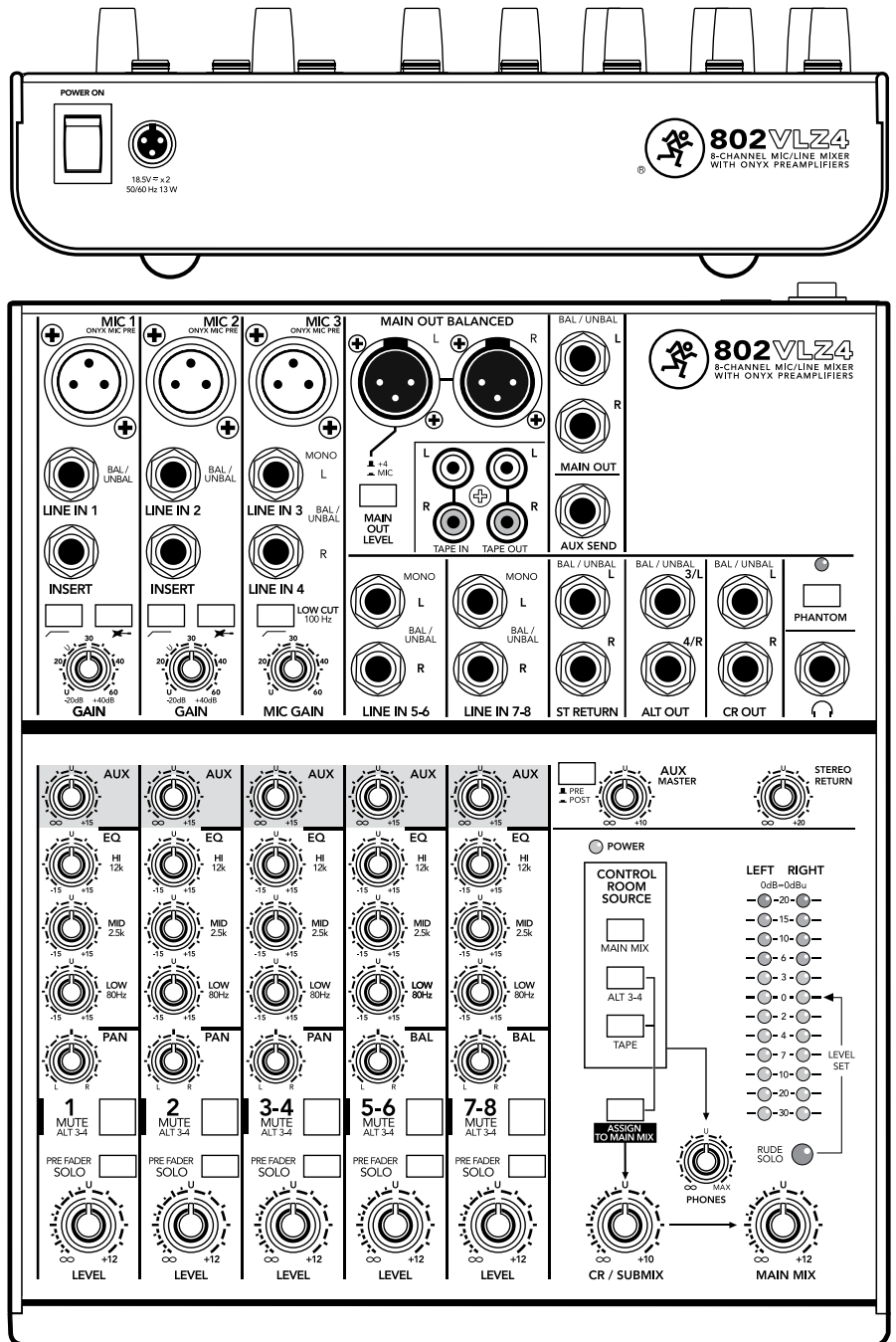


MACKIE

802VLZ4

**8-Channel
Ultra-Compact Mixer**

802VLZ4 FRONT AND REAR PANEL



LOUD Audio, LLC. 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

802VLZ4_SS.PDF

Owner's Manual

802VLZ4_OM.PDF



www.mackie.com

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