

## 802-VLZ3

The 802-VLZ3 is a feature-packed, but ultra-compact model in the VLZ3 line of compact mixers, specially designed for applications that require fewer inputs but demand professional features and sound.

The 802-VLZ3 is equipped with two mono mic/line channels, one mono mic/stereo line channel and two stereo line-input channels, for a total of eight input channels. Each mic/line channel has phantom power, an input Gain control with 60 dB of gain, a Hi-Z instrument switch (channels 1 and 2), a channel Insert jack (channels 1 and 2), a sharp 18 dB/octave, 100 Hz Low Cut filter, Aux send, 3-band EQ, Pan, Mute/Alt, Solo and a Level control. The stereo line-input channels have all the features of the mic/line channels except phantom power, an input Gain control, a Hi-Z instrument switch, a channel Insert jack and a Low Cut filter.

Mute/Alt 3-4 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/Submix 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.

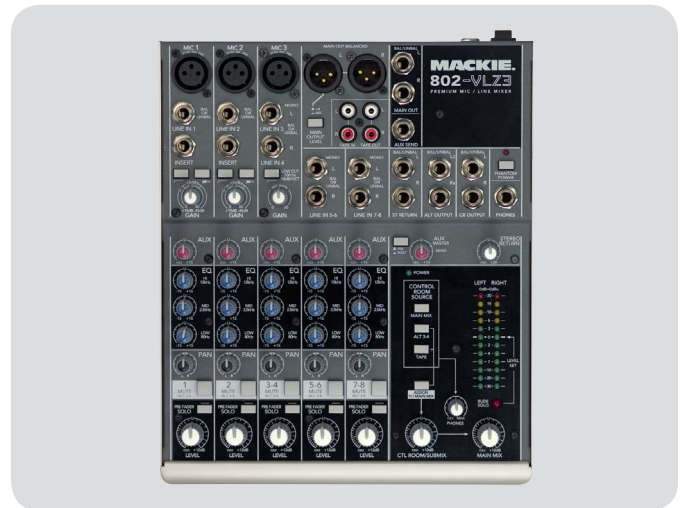
Aux Send 1 has a master level control and a switch for selecting pre- or post-fader send. There is a stereo return, with its own level control.

Other features include a 1/4-inch stereo headphone jack with Level control, stereo 12-segment LED meters, and TRS and XLR stereo output jacks, with a mic/line level switch on the XLR outs (perfect for field recordings).

The 802-VLZ3 is a great sounding mixer, full of professional features that are simply not found on competitive compact mixers. The versatile design and extremely small footprint make it the ideal mixer for space-constrained or mobile applications.

## 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 8-channel mixer featuring Mackie VLZ3's signature low noise, high-headroom design
- 3 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
- 8 high-headroom line inputs
- Advanced DC pulse transformer RF rejection
- Aux send, level, pan, and PFL solo on each channel
- Selectable Instrument inputs on first two channels – no DI box needed
- Stereo Return for connecting effects processor or other stereo source
- 3-band active EQ (80 Hz, 2.5 kHz, 12 kHz)
- 18 dB/octave, 100 Hz low-cut filter on mic input channels
- ALT 3/4 stereo bus for added versatility
- Control Room/Phones source matrix
- High-resolution 12-segment stereo meters
- Sealed rotary controls to resist dust and grime
- Sleek, rugged steel chassis
- Includes Tracktion 3 Basic Bundle for Mac/PC

## 802-VLZ3 SPECIFICATIONS

### Main Mix Noise

(20 Hz to 20 kHz bandwidth, channels 1-3 Gain @ unity gain, channel EQs flat, channel 1 panned left, channel 2 panned right, channels 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 @ 35 dB gain, 20 Hz to 20 kHz bandwidth)

Mic pre @ insert	0.001%
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### Attenuation/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	-100 dBu
Channel Level knob down	-100 dBu

### Frequency Response

(Mic In to any output @ 60 dB gain)

+0 dB/-1 dB	30 Hz to 30 kHz
(Mic In to any output @ unity gain)	
+0 dB/-3 dB	10 Hz to 100 kHz

### Equivalent Input Noise (EIN)

(Mic In to Insert Send out, max gain)

150 ohm termination, 20 Hz to 20 kHz bandwidth	-129.5 dBu
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### Common Mode Rejection Ratio (CMRR)

Mic In to Insert Send out, max gain @ 1 kHz	better than -60 dB
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### 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	3.4 kohms
Channel Insert Return	5 kohms
All other inputs	20 kohms or greater
Tape Out	1.0 kohms
Phones Out	60 ohms
All other outputs	120 ohms

### EQ

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

### Power Consumption

120 VAC, 50/60 Hz	13 watts
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### Power Supply

US Adapter (18.5 VAC x 2, 350 mA, US)	P/N 0028090-00
EU Adapter (18.5 VAC x 2, 350 mA, EU)	P/N 0028090-01
JP Adapter (18.5 VAC x 2, 350 mA, JP)	P/N 0028090-02
UK Adapter (18.5 VAC x 2, 350 mA, UK)	P/N 0028090-03
AU Adapter (18.5 VAC x 2, 350 mA, AU)	P/N 0028090-04
CN Adapter (18.5 VAC x 2, 350 mA, CN)	P/N 0028090-05

### Physical Properties (packaged product)

Height	15.8 in / 400 mm
Width	12.0 in / 305 mm
Depth	4.5 in / 114 mm
Shipping Weight	6.8 lb / 3.1 kg

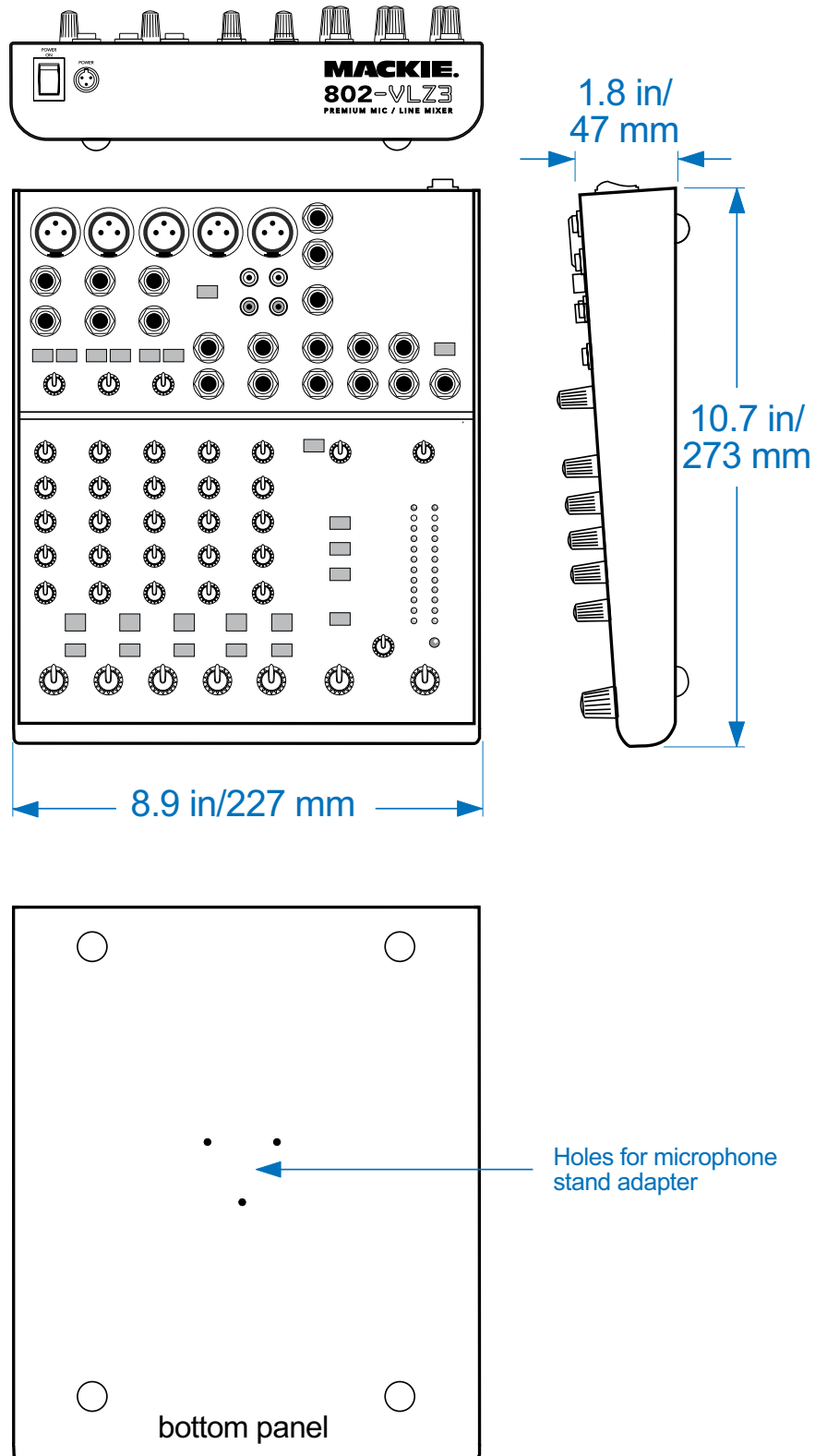
### Physical Properties (product)

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

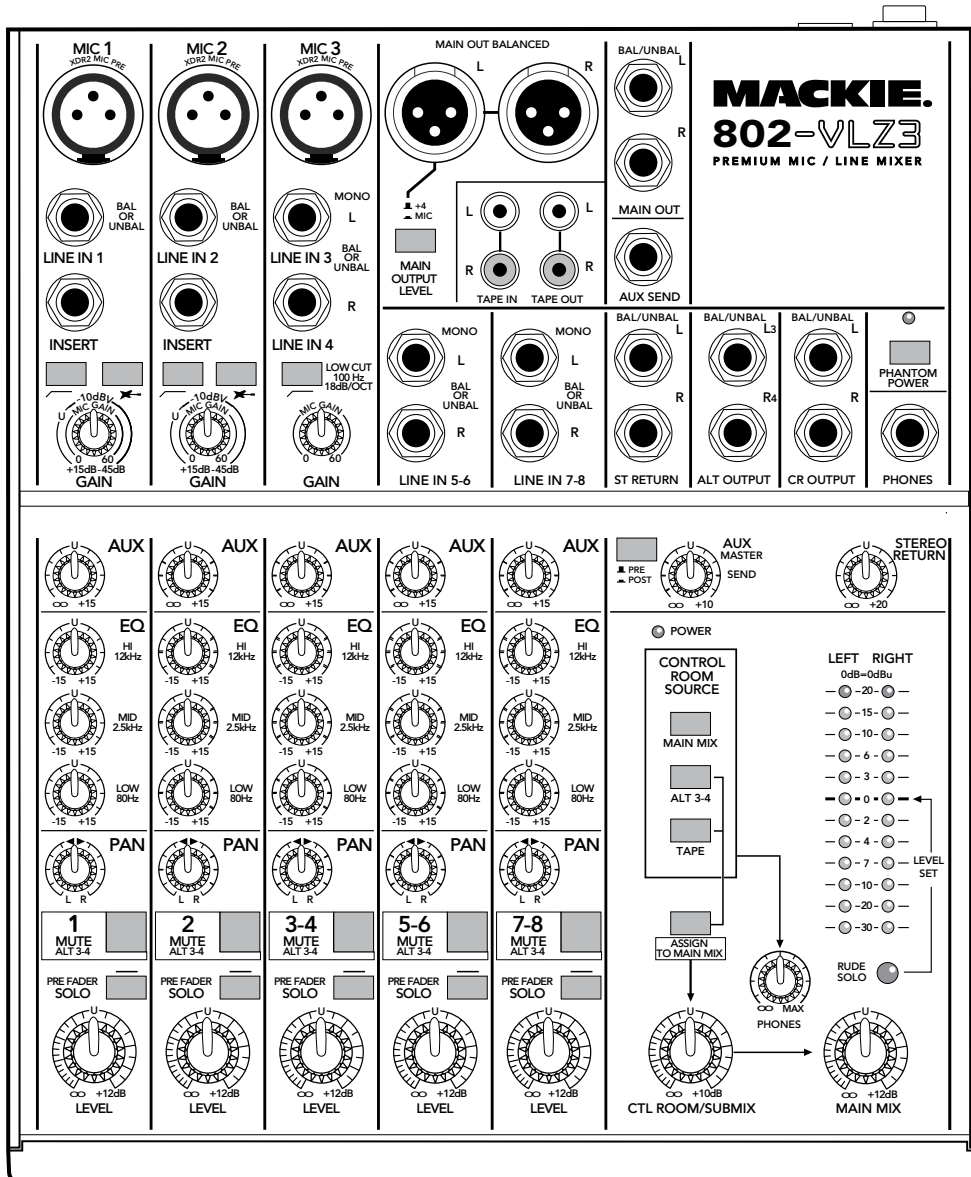
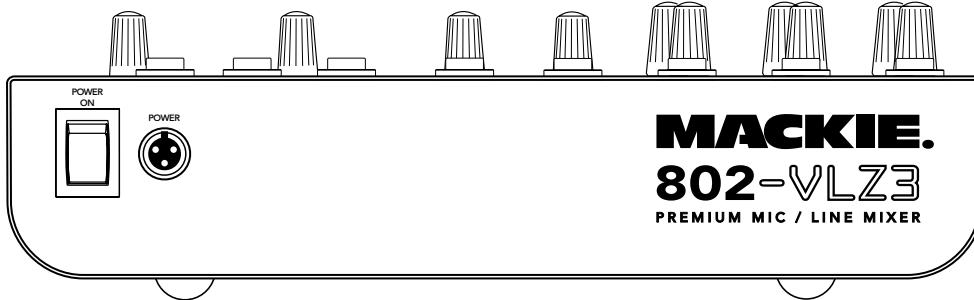
### Ordering Information

802-VLZ3 8-Ch. Compact Recording/SR Mixer, US	P/N 0027488-00
802-VLZ3 8-Ch. Compact Recording/SR Mixer, EU	P/N 0027488-01
802-VLZ3 8-Ch. Compact Recording/SR Mixer, JP	P/N 0027488-02
802-VLZ3 8-Ch. Compact Recording/SR Mixer, UK	P/N 0027488-03
802-VLZ3 8-Ch. Compact Recording/SR Mixer, AU	P/N 0027488-04
802-VLZ3 8-Ch. Compact Recording/SR Mixer, CN	P/N 0027488-05

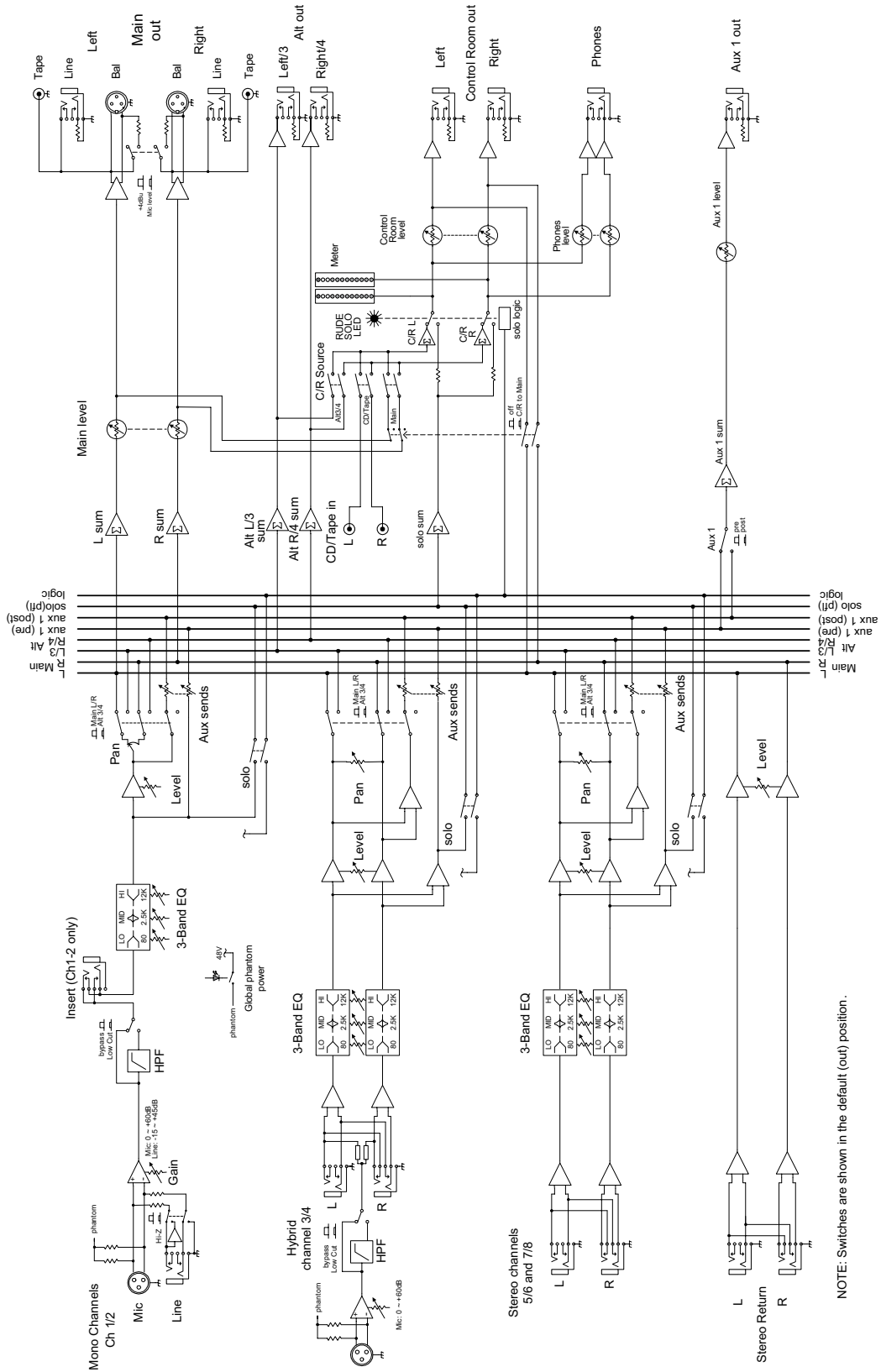
## 802-VLZ3 DIMENSIONS



## 802-VLZ3 FRONT AND REAR PANELS



## 802-VLZ3 BLOCK DIAGRAM



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

# MACKIE®

# 802-VLZ3

## PROFESSIONAL ULTRA- COMPACT MIXER

Electronic files for this product are available at:

[www.mackie.com](http://www.mackie.com)

Specification Sheet	802VLZ3_SS.PDF
Owner's Manual	802VLZ3_OM.PDF

# MACKIE®

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