

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
- Eight high-headroom line inputs
- Aux send, level, pan, and PFL solo on each channel
- Selectable DI inputs on first two channels
- 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
- Includes Tracktion 3 Basic Bundle for Mac/PC (download required)

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% |
|------------------|--------|

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)

| | |
|-----------------|---------------|
| 30 Hz to 30 kHz | +0 dB / -1 dB |
|-----------------|---------------|

(Mic In to any output @ unity gain)

| | |
|------------------|---------------|
| 10 Hz to 100 kHz | +0 dB / -3 dB |
|------------------|---------------|

Equivalent Input Noise (EIN)

(Mic In to Insert Send out, max gain)

| | |
|--|------------|
| 150 Ω termination, 20 Hz to 20 kHz bandwidth | -129.5 dBu |
|--|------------|

Common Mode Rejection Ratio (CMRR)

| | |
|---|--------------------|
| Mic In to Insert Send out, max gain @ 1 kHz | better than -60 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 | 3.4 kΩ |
| Channel Insert Return | 5 kΩ |
| All other inputs | 20 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 |

AC Power Requirements

| | |
|------------------------------------|---------------------------|
| Power Consumption | 13 watts |
| US, JP | 100 – 120 VAC, 50 – 60 Hz |
| EU, UK, AU, CN | 200 – 240 VAC, 50 – 60 Hz |
| External Power Supply AC Connector | 2-pin IEC 250 VAC |
| Operating Temperature | 0° – 40°C 32° – 104°F |

External 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 |

802-VLZ3 SPECIFICATIONS CONTINUED...

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 |

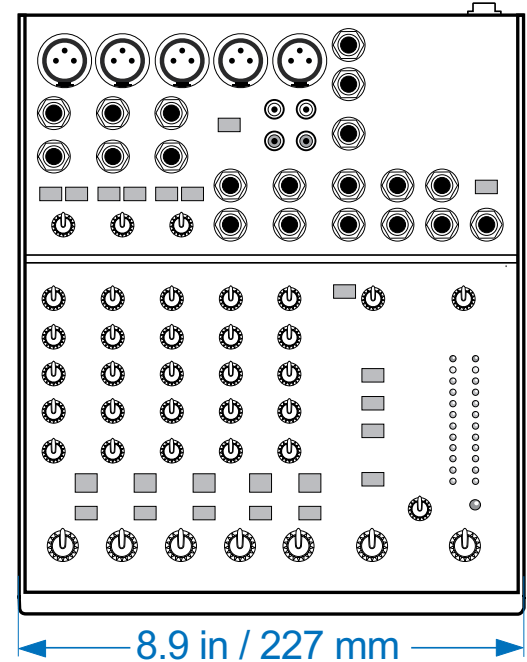
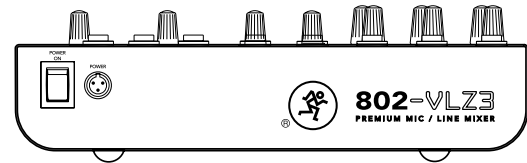
Physical Properties (product)

| | |
|-----------------------------------|------------------|
| 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



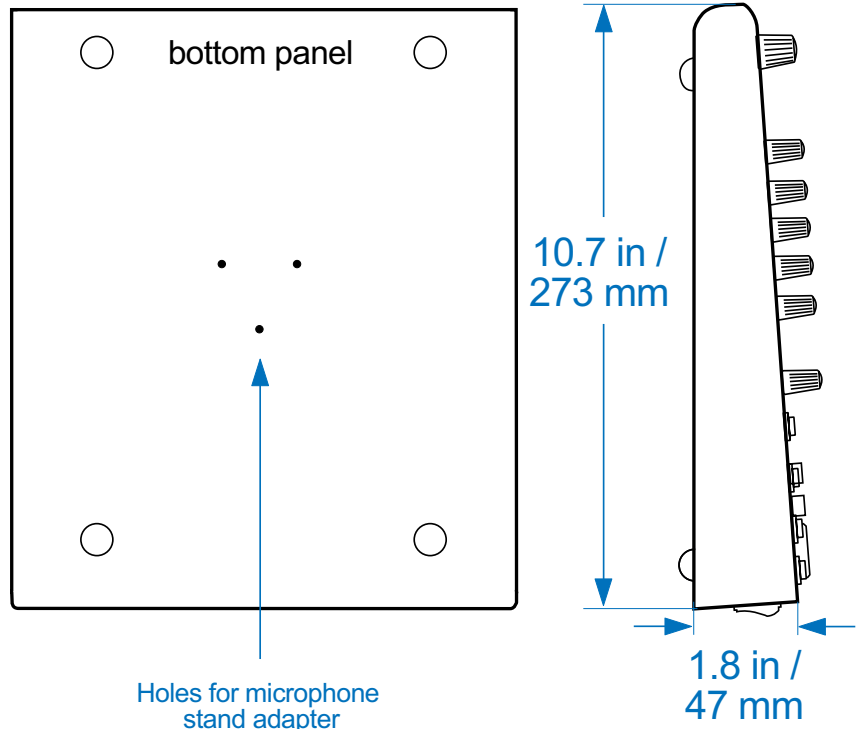
MICROPHONE STAND

The bottom panel of the 802-VLZ3 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.

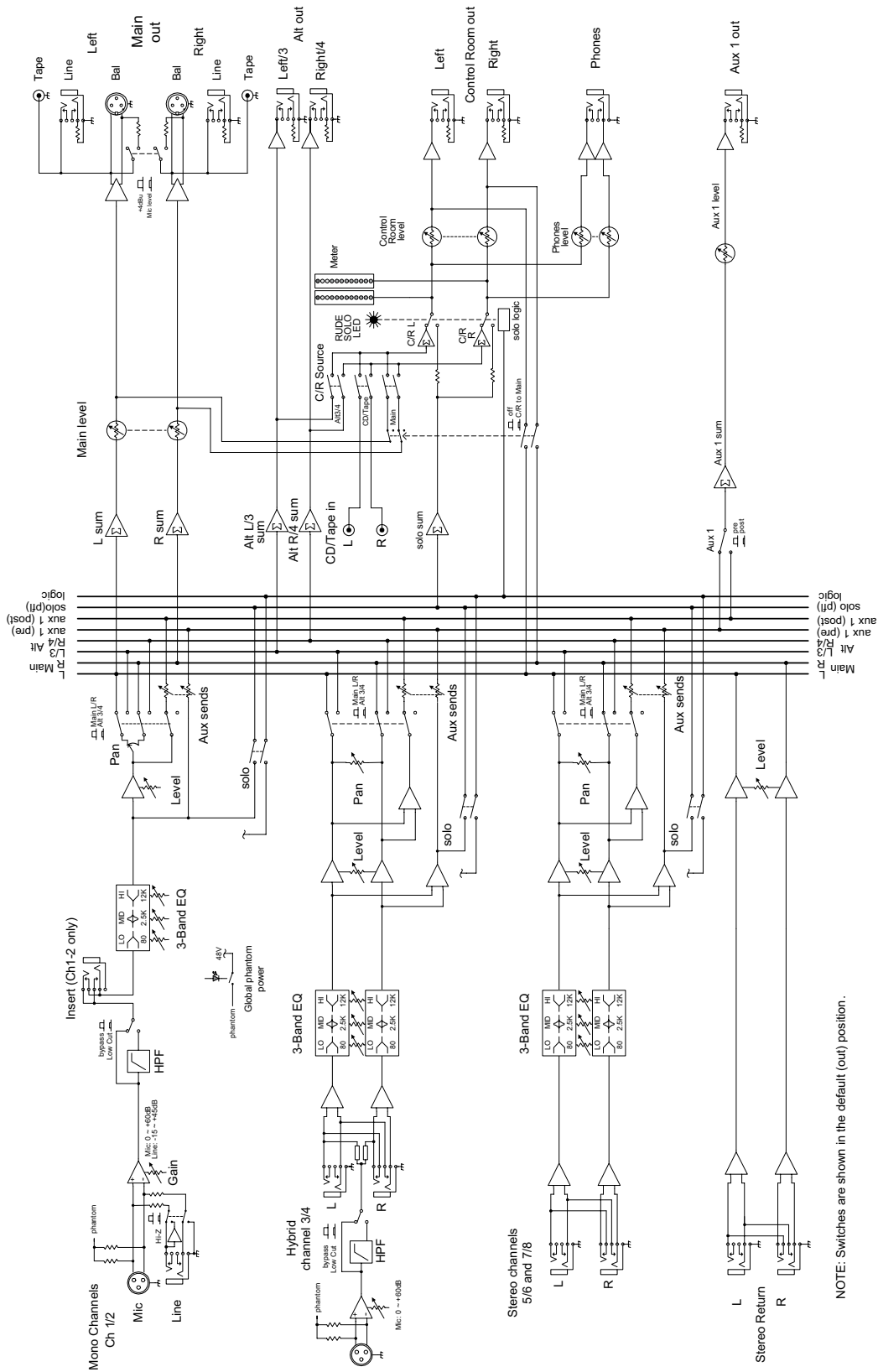
The Atlas AD-11B mic stand adapter is available at many music stores. It is made and distributed by Atlas Sound.

Use three self-tapping machine screws 6-32 x 1/4" long to secure the adapter to the bottom of the 802-VLZ3.

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.

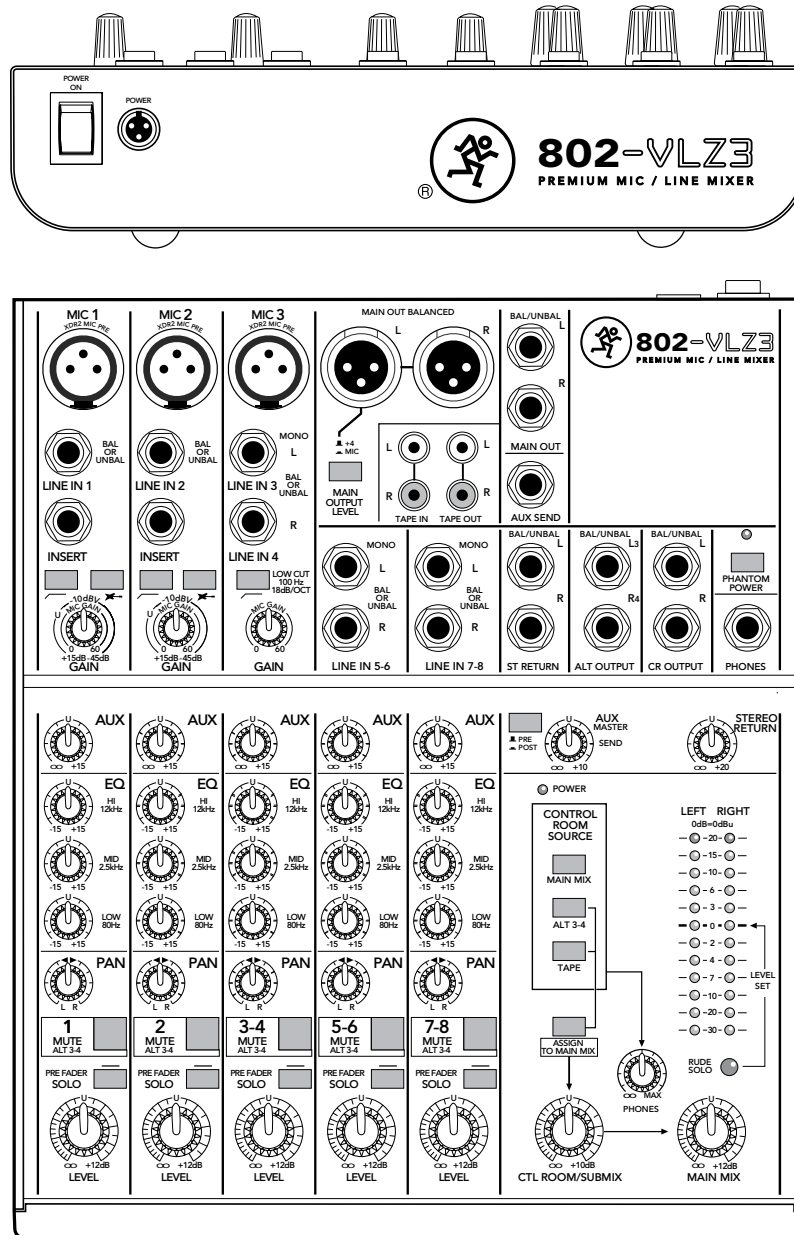


802-VLZ3 BLOCK DIAGRAM



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

802-VLZ3 FRONT AND REAR PANELS



Electronic files for this product are available at:

www.mackie.com

Specification Sheet

802VLZ3_SS.PDF

Owner's Manual

802VLZ3_OM.PDF

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