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
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

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

Physical Properties (product)

Height 10.7 in / 273 mm

Depth 1.8 in / 47 mm

Width 8.9 in / 227 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 4.3 in / 109 mm

Depth 15.8 in / 401 mm

Width 12.1 in / 307 mm

Weight 6.8 lb / 3.1 kg

Options

802VLZ4 Mixer Bag P/N 2036809-09

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

Holes for microphone stand adapter

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-11B 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]