1402VLZ4

The 14-channel 1402VLZ4 brings the proven performance of our Onyx preamps in a professional compact mixer design great for applications that demand flexibility.

From every input to every output, the 1402VLZ4 is designed to provide the highest headroom and lowest noise possible for maximum signal integrity. 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 and smooth, accurate fader control, the 1402VLZ4 is the premium choice for anybody who demands the professional performance.

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:

■ 14-channel mixer featuring our signature high-headroom, low-noise design
■ 6 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
■ 14 high-headroom line inputs with +4/–10 operation control
■ 3-band EQ (80 Hz, 2.5 kHz, 12 kHz)
■ 18 dB/oct 75 Hz low-cut filter on mic input channels
■ Two aux sends, level, pan and PFL solo on each channel
■ 60 mm long-wearing log-taper faders
■ Two stereo returns 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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# 1402VLZ4 Specifications

## Main Mix Noise

(20 Hz–20 kHz bandwidth, 1/4” main out, channels 1-6 gain @ unity, channel EQs flat, all channels assigned to main mix, channels 1, 3 and 5 panned left, 2, 4 and 6 panned right.)

- Main mix fader down, channel faders down: –101 dBu
- Main mix @ unity, channel faders down: –91 dBu
- (95 dB Signal to Noise Ratio, ref +4 dBu)
- Main mix fader @ unity, channel faders @ unity: –86 dBu

## Total Harmonic Distortion (THD)

(1 kHz @ 35 dB gain, 20 Hz–20 kHz bandwidth)
- Mic pre @ insert <0.0007%

## Attenuation / Crosstalk

(1 kHz relative to 0 dBu, 20 Hz–20 kHz bandwidth, line in, 1/4” main out, gain @ unity)
- Main mix fader down –100 dBu
- Channel Alt / Mute switch engaged –90 dBu
- Channel fader down –90 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 +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 12.5 in / 317 mm
- Depth 3.2 in / 81 mm
- Width 14.0 in / 356 mm
- Weight 9.5 lb / 4.5 kg

## Physical Properties (packaged product)

- Height 6.9 in / 175 mm
- Depth 16.1 in / 409 mm
- Width 15.2 in / 386 mm
- Weight 12.0 lb / 5.4 kg

## Options

- 1402VLZ4 Mixer Bag P/N 093-004-01

## Ordering Information

- 1402VLZ4 14-Channel Compact Mixer, US P/N 2040764-00
- 1402VLZ4 14-Channel Compact Mixer, EU P/N 2040764-01
- 1402VLZ4 14-Channel Compact Mixer, JP P/N 2040764-02
- 1402VLZ4 14-Channel Compact Mixer, UK P/N 2040764-03
- 1402VLZ4 14-Channel Compact Mixer, AU P/N 2040764-04
- 1402VLZ4 14-Channel Compact Mixer, CN P/N 2040764-05
- 1402VLZ4 14-Channel Compact Mixer, BZ P/N 2040764-06
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- TOLERANCE IN INCHES: LINEAR ± 0.13 in / ± 3.3 mm
- ANGLES ± 1°
- (X.XX) = REF DIMS NO TOLERANCE IMPLIED
- TSC = THEORETICAL SHARP CORNER DIMENSIONS ACROSS CENTERLINES TO BE SYMMETRICAL
- THIRD ANGLE PROJECTION

I402VLZ4 DIMENSIONS

MICROPHONE STAND

The bottom panel of the 1402VLZ4 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 1402VLZ4 [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.
1402VLZ4 FRONT AND REAR PANEL

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