

Zaxcom

Deva Mix-12



KEY FEATURES

- True digital mixing console
- 3 band shelving EQ with 2 notch filters and high pass per channel
- Soft knee compressor with makeup gain
- All cross points are cross faded (never any clicks or pops)
- Zero time offset design for no phase distortion channel to channel
- No audio cabling from mixer to recorder
- Floating point DSP (no internal clipping or quantization issues)
- Unlimited routing
- Penny & Gilles faders
- No sample rate issues between mixer and recorder
- Integrated Deva record & stop buttons
- QWERTY keyboard for metadata input
- Cross points can be pre or post fader with phase inversion

SPECIFICATIONS

The Deva Mix-12 from Zaxcom is a new concept in location mixing. It is a control surface for the embedded digital audio mixer of either the Deva IV or V location recorders.

The Mix-12 is fully digital, only the microphone pre-amps, A-D and D-A converters are used for analog connections to the outside world. Mixing is performed in the digital domain via a floating DSP ensuring the highest quality unlike analog mixing consoles where distortion or channel to channel differences can occur over time or with temperature changes.

The microphone preamps are sound studio quality ensuring no coloration of audio by transformers or other analog circuitry. The effects are superb with the ability to remove hum, buzzes and even crickets by the two notch filters on each channel. There are 3 band shelving filters with individual control of Level, Q, and Frequency via the Deva's graphic interface.

Mix-12's soft knee compressor is one of the best available, chosen for its natural sound and transparency.

Each of the 12 fader strips provides instant access to bus routing and effects for that channel. An LED input meter is provided on each channel strip to augment the Deva's full color output metering.

Three separate talk back busses can be routed to any combination of outputs and internal mix busses.



INPUTS

8 Analog

Connector

Dynamic Range

Mic Level Range

Line Level Range

Digital

Sample Rate

Mic/Line balanced with
48 V phantom power

XLR

123 dB

-56 dBu to -26 dBu

-26 dBu to +8 dBu

4 AES pairs (8 channels)

44100, 47952, 48000,

48048, 96000, 96096

OUTPUTS

6 Analog

Connector

Digital

Mixer busses Deva V

Mixer busses Deva IV

Balanced 0 dBu at

-20 dB FS digital

DB25 with XLR breakout

4 AES pairs (8 channels)

16 inputs to 20 output

16 inputs to 18 output

EQ

3 band parametric with shelving per channel

High pass filter per channel

20 Hz to 250 Hz

2 Notch filters per channel

20 Hz to 20 KHz

COMPRESSOR

Type

Attack Time

Release Time

Makeup Gain

Ratio

Threshold

Soft Knee

100 ms maximum

3,000 ms maximum

0 to 30 dB

1:1 to 20:1

-10 dBu to +20 dBu

Frequency Response

20 Hz to 22 KHz

Input Clipping Level

+28 dBu

Line Output Clipping Level

+20 dBu

Dynamic Range

123 dBu

THD + Noise

.0001%

High-Pass Filters

20 to 250 Hz, 8 dB per octave

Mic Powering

48 V Phantom

Input Limiters

Yes

Temperature

-20 C to 60 C

Metering

12 input meters, 8 LED segments
per meter in 3 dB steps

Faders

12 Penny & Gilles 100 mm faders

Weight

8.6 lbs.

Dimensions

12.25" x 17" x 3"

Connection to Deva

RS422 from Deva to Mix-12

Power

8 to 16 VDC @ 500 ma

interstage

Phistersvej 31, 2900 Hellerup, Denmark
Telefon 3946 0000, fax 3946 0040
www.interstage.dk
- pro audio with a smile



Zaxcom

230 West Parkway, Unit 9, Pompton Plains, NJ 07444
p: 973.835.5000 f: 973.835.6633 www.zaxcom.com