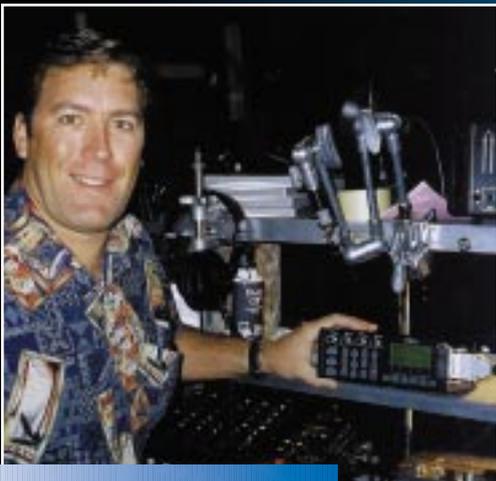
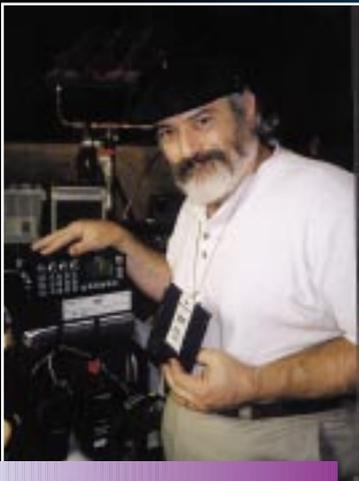


Z A X C O M A U D I O



PROUDLY PRESENTS

# *Deeva II*



The world's first portable 4-channel  
24 bit uncompressed hard disk  
recorder/player/mixer.

**AXCOM**  
AUDIO

# Deva II...

... is designed as a replacement for all current audio field recorders, bringing 48 kHz studio-quality recording capabilities into the realm of location production.

## Recording Media

Deva II's standard 2.2 gigabyte removable IDE hard drive provides a maximum record length of 4 hours (mono), 2 hours (stereo), or 1 hour (4 channel).

The 125 G-force rated disk is immune to dust and humidity changes, and operates over a wide range of temperatures. An optional 4 gigabyte drive with 8 hour record capability is available

## Zaxcom M<sup>A</sup>R<sup>F</sup>

Zaxcom's Mobile Audio Recording Format (M<sup>A</sup>R<sup>F</sup>) is designed for the specific requirements of multi-channel disk recording, providing the ultimate in data integrity. So robust is M<sup>A</sup>R<sup>F</sup>'s design, Deva II can flawlessly recover audio from a disk that may have had its directory re-initialized.

## Built to "Take it"

What happens to your audio if Deva II is accidentally dropped while recording? Probably nothing!

A unique mechanical shock-sensing circuit automatically shifts recording to a 24 megabyte RAM buffer. Once Deva II senses that conditions are favorable, the buffer is automatically transferred to disk.

## Recording Integrity

Deva II's sophisticated error-checking circuitry provides a fool-proof means to flawless recordings.

During recording, Deva II performs a constant Read/Verify routine. If an uncorrectable error should occur, audible (to the headphones only) and visual warnings are generated. Deva II makes it virtually impossible to unknowingly produce a bad recording.

# More Than Just A M

## Metering

Deva II's meters always display the exact levels. Unlike mechanical movements whose calibration and response may change with temperature, metering on Deva II's LCD display is always calibrated.

## Never Clip™

Zaxcom's exclusive NeverClip™ technology provides precise input level detection, making it extremely difficult to overload the A-D converter. NeverClip™ provides smooth, automatic gain manipulation, assuring virtually distortion-free recordings.

## Powering Deva II

Powering Deva II couldn't be easier. Depending on the Deva II model, an industry-standard NP1 camera battery is good for at least 2 hours. Optionally, a Nickel Metal Hydride battery provides over three hours of continuous operation. Deva II may also be powered via a separate 12 volt supply – even a car battery.

## Mixing is Built in

Deva II incorporates a state-of-the-art digital mixer. Any of the 4 inputs may be mixed to any of the 4 disk channels. Similarly, any of the 4 inputs may be mixed to any of the 4 line outputs – a mix that may be completely different from the disk mix! And unlike analog field mixers, Deva II's pots are immune from the "scratchy noise" syndrome.

## Edit Ready

Besides the front panel controls, Deva II's Sony BVW75 emulation permits frame-accurate control via an edit system, telecine, or synchronizer. Deva II also provides a time code chase facility that has a lock time of under one second.

# Deva II Audio Recorder...

## Listening to Deva II

No matter what the monitoring requirements, Deva II's 4 channels of "line level" analog and AES/EBU outputs, along with a user-configured stereo headphone connection, means you'll always hear what you want.

## Timecode Flexibility is Built in

Designed for international use, Deva II's full-function internal timecode reader/generator supports 24, 25, 29.97 (NDF and DF), and 30 (NDF and DF) frame rates. The generator can even automatically tag consecutive recordings with ascending User Bits. Nothing is more flexible and efficient at helping you locate the "buy take."

## Flexible Sampling Rates

A standard Deva II gives you 48 kHz operation, 48.048 and 47.952. If required, 44.1 is available as an option.

## Input Flexibility

Deva II accepts a wide range of microphones, offering phantom power, when required. High-quality 20-bit A/D and D/A converters on both the MIC and Line inputs ensure wide dynamic range, while the 24-bit AES interface guarantees transparent transfers from digital sources.

## A Better Acquisition Format

4 channels of 20 bit A/D converters and 24 bit record depth provide 16 times the resolution of DAT in a package that is inherently more reliable and flexible.

## Instant Cueing

Deva II remembers up to 100 cue points per disk for instant access to "buy takes" or pre-produced playback audio.

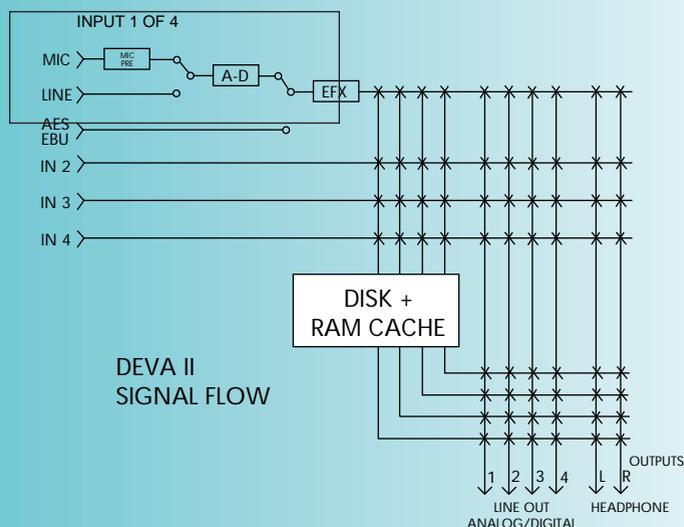
## Outstanding Connectivity

Deva II will output files to DVD or Jazz drives in up to 6 file formats. Sound Designer 2 and Broadcast Wave are both fully supported. External disks can be recorded in the background so at the end of the recording day there is no transfer time.

## Deva Software

Deva II's internal software has been written entirely by Zaxcom. It allows for replay of audio data even when the disk directory has been erased. It also means that Deva II's software is crash proof. Even if power is lost while recording, Deva II will seamlessly playback audio to the time of the loss. No PC solution could ever match the reliability of Deva II.

## Deva II Audio Flow



# Specifications

## ANALOG SECTION

Mic connector type - XLR female  
Phantom power - 48 volt, and Off Line  
In/Out connector type - DB25 female  
A/D resolution - 20 bits  
A/D converter Dynamic Range - 110dB (A-weighted)  
D/A resolution - 20 bits  
D/A converter Dynamic Range - 105 dB (A-weighted)  
Head phone 99 dB (A-weighted) Line out  
Input Impedance - 10,000 ohms (Mic or Line, active transformerless)  
Output Impedance - 600 ohms  
0 dB = 0 dBm  
Headphone connector - 1/4" female

## DIGITAL SECTION

Connector type - small profile DB15 female  
I/O - AES/EBU  
Digital resolution - 24 bits  
External Control and Time Code  
Connector type - small profile DB15  
Protocol Emulation - Sony BVW75

## DISK

Drive type - 2.5" removable IDE (2.2 gigabyte standard), 4.0 gig optional  
Record/Playback format - Zaxcom MARF (Mobile Audio Record Format) pat. pend.  
Maximum operating force - 125G  
Temperature range (operating) - 20-110 degrees Fahrenheit

## REFERENCING

AES/EBU or internal crystal

## PHYSICAL

Dimensions (LWH) - 8.0" x 3.0" x 7.25"  
Weight - 5 lbs. 2 oz. (with NP1 battery installed)

**NP1 BATTERY LIFE** (fully charged, all figures approximate)

4-Channel Model - 2 hours

*Specifications and feature set subject to change without notice.*

## Our cover shots



Jeff Wexler,  
"Seige"  
&  
"Fight Club"



Mark Ulano



Sean Rush,  
"Jag"

# ZAXCOM AUDIO

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