

# PC-DVD™ Encore Dxr2

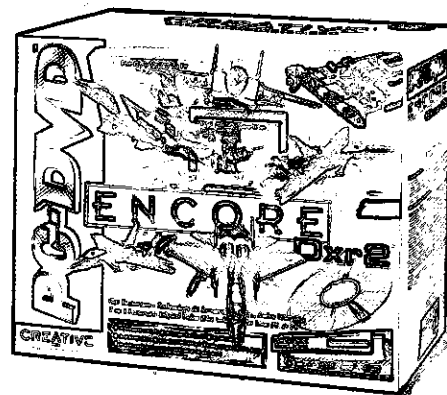
Creative Labs, the creator of Sound Blaster and the market leader in multimedia upgrade kits once again leads the world in bringing you the future generation of digital home-entertainment to your PC and living room.

With Creative PC-DVD™ Encore Dxr2™, you get technologies and experiences totally unprecedented on your PC today, such as vibrant digital imagery of MPEG-2 video that's uniquely enhanced for high-definition and smoothness, the sparkling clarity and room-shaking thunder of Dolby® Digital (AC-3™) audio with cinema-like surround-sound, and massive high-speed storage. It's as if the future is already here.

PC-DVD Encore Dxr2 is the DVD upgrade kit for your PC, which includes a second-generation PC-DVD ROM drive combined with the PCI-based Dxr2 card that includes state-of-the-art picture enhancement technology and MPEG-2/Dolby Digital decoding. With PC-DVD Encore, you get 7 futuristic entertainment solutions for an incredibly low price.

## Features of PC-DVD Encore Dxr2

- 1 DVD Player for Your TV**  
The Dxr2 card comes with high-quality, S-Video and composite outputs for connecting to your PC.
- 2 DVD Player for Your PC**  
A high-definition, resolution-enhanced DVD player on your PC monitor in a fully-resizable window.
- 3 Blazing 20x Speed CD-ROM Drive**  
Access time of 100 ms and compatibility with all CD formats including CD-Recordable.
- 4 2nd-Generation, 2x Speed DVD-ROM Drive**  
Stores up to 17 gigabytes of data. No more CD-R incompatibility which plagues all first-generation DVD-ROM drives.
- 5 VideoCD (Hardware MPEG-1 Player)**  
For both your PC and TV. A bonus in case you want to play some of the thousands of Video-CD titles available.



## PC-DVD Encore Dxr2

## 6 Dxr2, State-of-the-Art Picture Enhancement

In a class with expensive "line doublers," our DynamicXtended Resolution™ (Dxr2™) video enhancer performs as well, if not better, than other professional line doubling systems costing thousands of dollars. Dxr2 takes DVD signals that are already high-quality and enhances them to cinema-like quality on your PC. You'll find it hard to believe that video can be so sharp on your PC today. It beats the best laser disc or consumer DVD player hands down.

The reason? Because Creative's DynamicXtended Resolution technology incorporates unique resolution-quadrupling, scaling, and filtering technologies to provide clean, smooth, and high-definition video for your PC.

The advantages of DynamicXtended Resolution technology:

### Flicker-Free Picture

Dxr2 eliminates the flicker and blurry horizontal lines of regular TV pictures caused by the 30 frames-per-second interlaced TV signal. By intelligently combining two adjacent interlaced fields into one and in the process, doubling the resolution and frame rate, Dxr2 gives you a full 60 frames-per-second, with a smooth, flicker-free picture.

### No More Combing Effects

"Combing effects" are annoying artifacts that become more obvious around objects moving quickly across the screen in some conventional "line-doubled" video. Combing adds obscure horizontal effects to these objects that are moving quickly across the screen. Dxr2 intelligently detects and cuts out these jagged lines before they can distort the picture. It's when the picture contains fast motion that Dxr2 demonstrates its true mettle—delivering a super-clean picture completely free of jagged or "combed" lines.

### Dynamically Zoom in Any Direction Up to 1280x1024!

Many conventional zooming techniques use line replication which introduces unevenness and "jaggies." It is especially annoying when you zoom to disproportionate sizes. When Dxr2 zooms in on a picture, it totally recomputes every pixel in the whole picture, and then performs a unique filtering to smoothen and sharpen the image at the new resolution. You can widen or narrow the screen to any size up to 1280x1024 in a window on your PC without the jagged edges or uneven artifacts of zooming.

## 7 Dolby® Digital (AC-3™) Audio

To wrap up the awesome features, PC-DVD Encore comes with Dolby Digital (AC-3) audio output. You can enjoy the hi-fidelity acoustic clarity of Dolby Digital audio, down-mixed to 2 channels on your PC sound system or you can have a full-blown, room-shaking, theater-like experience of a 6-speaker (5.1 channel) surround system with an optional low-cost consumer Dolby Digital receiver.

## SPECIFICATIONS

### Creative Dxr2 Board:

- DynamicXtended Resolution (Dxr2) picture enhancement technology enables the playback of high-definition video with smoother full-screen video images for a more enjoyable video experience. Vertical and horizontal interpolation filters and double-scanning at up to 60 frames/second are utilized to provide virtually no artifacts at Windows® resolutions of up to 1280x1024.
  - Onboard connectors for audio output to sound cards, audio input from DVD-ROM drive, and audio input from CD-ROM drive
  - Back-panel connectors for RCA jack S/PDIF out, VGA output, VGA input, S-Video and composite video output
  - Playback MPEG-2, MPEG-1, and DVD 1.0 video at up to 30 frames/second (NTSC) or 24 frames/second (PAL)
  - Playback Dolby Digital (AC-3) 5.1 channel audio\*, stereo audio (down-mixed from 5.1 channel, Dolby Digital audio), linear PCM audio, and MPEG audio (VideoCD)
  - TV output includes support for:
    - NTSC at 640x400 and 600x400 at 60Hz
    - PAL at 640x480 and 800x600 at 50Hz
    - Composite and S-Video signals
  - Supports Windows resolutions of up to 1280x1024 at 24-bit color
  - Video overlay implementation
- \* Dolby Digital (AC-3) 5.1 channel audio requires an amplifier or receiver with Dolby Digital input

### Creative Internal PC-DVD Drive:

- Maximum data transfer rate of 2,700 KB/second (DVD) and 3,000 KB/second (CD)
- Data access time of 170 ms (DVD) and 100 ms (CD)
- 512 KB integrated buffer memory
- Supports CD-Audio, CD-I, CD Extra, CD-ROM, CD-ROM/XA, Photo CD\*, CD-R, CD-RW, DVD-ROM, VideoCD, and DVD-Video
- DVD data capacity of
  - 17 GB (dual layer, double-sided)
  - 9.4 GB (single layer, double-sided)
  - 8.5 GB (dual layer)
  - 4.7 GB (single layer)
- CD data capacity of 748 MB (mode 2) and 656 MB (mode 1)
- Front-loading tray mechanism
- Front panel controls for stereo headphone jack, volume, and eject/stop
- Supports horizontal and vertical installation and operation

## Bundled Software

PC-DVD Encore includes these exclusive DVD titles which show off the versatility of DVD technology.

### Creative PC-DVD Player

Control the playing of DVDs and CDs on your PC and customize settings. This easy-to-use control panel features a directional pad, status display, playback buttons, volume control, and menus for customizing settings such as audio, color, and display mode.

### Wing Commander™ IV

Wing Commander IV is ready to take off DVD-ROM with improved, re-compressed MPEG-2 video and true stereo Dolby Digital (AC-3) surround sound, all on one disc. This latest installment, *The Price of Freedom*®, has ruthless individuals preying upon a weakened post-war galaxy to feed their greed for power.

### Claw™

Join forces with Captain Claw and battle 40 cunning enemies through 14 action-packed levels to find the lost gems of the Amulet of Nine Lives. Claw includes over 20 minutes of movie-quality, MPEG-2 animation set to a sweeping cinematic score and SoundFont® technology support. Play alone or over the Internet with up to 64 players!

Documentation for some software provided in on-line format.

Some of these titles may not be suitable for younger audiences. Parental discretion is advised.

Wing Commander IV is rated M by the ESRB.

Some features require support from the software content.

Actual contents may differ slightly from those pictured.

## One-year limited hardware warranty covering parts and labor.

## Technical Support

Telephone and facsimile support is available seven days a week, 8:00 am to midnight Central Time. Automated technical support and Bulletin Board service is available 24 hours a day, seven days a week.

## Minimum System Requirements

Microsoft® Windows® 95

100 MHz Pentium® PC

16 MB RAM

8 MB available hard disk space, 40 MB to install all bundled software

SVGA graphics adapter (256 colors, 640x480) with 2 MB RAM

3.5-inch, 1.44 MB floppy drive

Mouse

Available PCI-expansion slot or Dxr2 board (PCI v.2.1 compliant recommended)

Available Enhanced IDE connector on motherboard for PC-DVD drive (Bus Master connector recommended)

Available half-height drive bay for PC-DVD drive (drive rails may be required for some systems and are not included)

Sound Blaster® 16 or above, or equivalent

Speakers or headphones

\* Dolby Digital (AC-3) audio requires an amplifier or receiver with Dolby Digital input.

# CREATIVE®

WWW.SOUNDBLASTER.COM

Fax Back Service: 405-372-5227  
Information Hotline: 800-998-5227  
CompuServe: Go Blaster  
BBS: 405-742-6660

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