

SONIC™ DVD FUSION

Sonic DVD Fusion is an integrated and complete DVD production system for Macintosh. Built around the same core authoring technology as Sonic's high-end line of studio solutions for DVD, DVD Fusion brings a professional level of authoring power and interactivity to video and multimedia producers.

Now is the time to move your multimedia presentations to DVD and realize the dramatic benefits this exciting media provides— full D1-resolution video, exhilarating surround sound and playback on the millions of set-top or PC DVD players installed in the home, office or car.

SONIC™



THE MULTIMEDIA PROFESSIONAL'S CHOICE

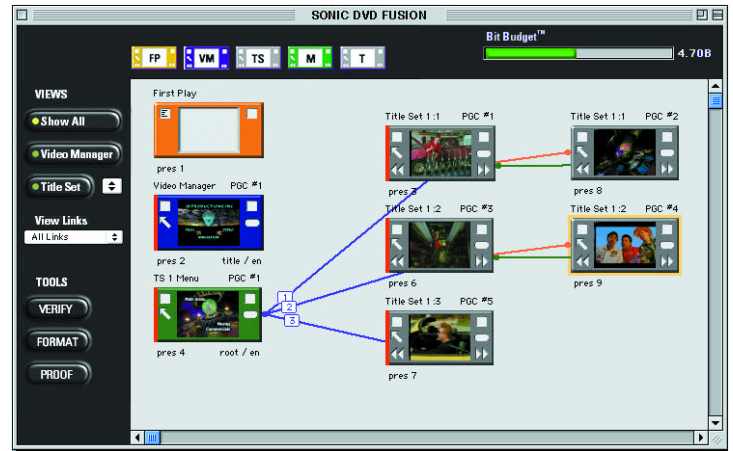
Today, the worlds of entertainment, business, government and education communicate with video. And the language they are speaking is DVD. From boardroom and classroom set-tops to sales rep-on-the-road laptops, DVD is the ultimate medium for distributing interactive video content. And for the thousands of multimedia and video professionals worldwide authoring for DVD, Sonic DVD Fusion is the DVD production system of choice. With its unique

ability to unlock the interactive power of DVD, DVD Fusion empowers you to apply your multimedia expertise directly to the medium of DVD, and turn your projects into fully interactive, stunning-quality DVDs.

COMMUNICATING WITH DVD

In 2002, it's expected that more than 120 million PCs will ship with a DVD-ROM reader and over 80 million TVs will be connected to a DVD-Video player. And within the next year, the installed base of DVD readers is expected to double. DVD has quickly become the preferred way to distribute and view interactive multimedia video content. That's because DVD is so compelling – no other video medium engages an audience like DVD – quadruple the resolution of VHS and less expensive to create, replicate and ship than any other format. DVD delivers crisp, 5.1 Dolby Digital surround sound, in up to eight different languages, to truly envelop your audience. And the playback environment is a fraction of the cost of a traditional CD-ROM implementation, and more reliable and robust too – no more crashing PCs or setup hassles.

After you have spent days cutting, trimming, compositing, mixing, color correcting, and rendering, it's only natural that you'll want to distribute your production on something better than VHS tape, CD-ROM or the Web. DVD gets your message across with maximum impact in a format that can be played literally anywhere: the office, the retail store, the information kiosk, the executive conference room; the home or the car.



DVD - THE MULTIMEDIA STANDARD

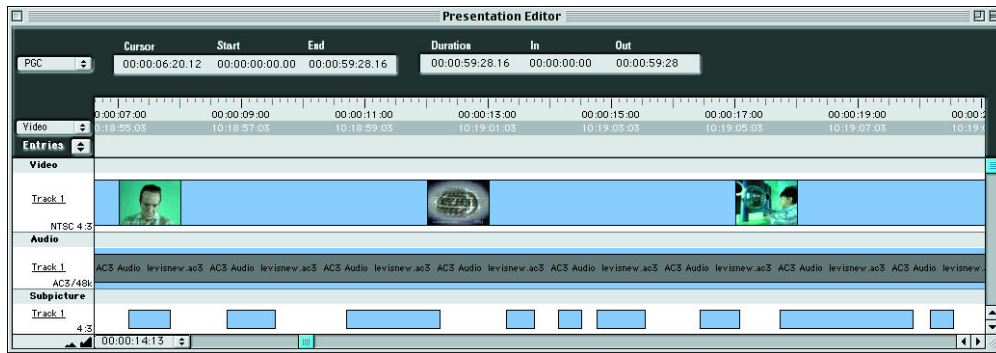
The multimedia world is moving to DVD. With DVD, you can create projects that just weren't possible before. Build an interactive kiosk with full-motion D1 video, thousands of menus, eight languages of dialog and link to your corporate Website. Send prospective clients a demo reel of your best commercial work on a disc they can put in their laptop. Empower your clients to close the next big deal with a laptop-based video catalog. Create a video-based training program that supports user-directed learning with automated testing on a single disc.

This year, more multimedia professionals will put their independent films, corporate presentations, training videos, and information kiosks on DVDs using Sonic technology than all other DVD production systems combined. DVD is the way video is shown. Sonic is the way DVD is made.

DVD FUSION - THE STANDARD FOR MULTIMEDIA PROFESSIONALS ON MACINTOSH.

Sonic DVD Fusion gives you everything you need to create powerful multimedia DVD titles on your Macintosh. Combining integrated hardware video and audio encoding, intuitive drag-and-drop title design, direct bit-for-bit project proofing, single-pass DVD formatting and disc-writing in a single workstation, DVD Fusion makes DVD title creation not only easy, but productive. And with Sonic's eDVD® authoring option you can even generate DVD titles that link directly to your customers' web sites.

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Sonic DVD Fusion includes a software transcoder, to automatically convert QuickTime® video and audio files from your non-linear video editor to the highest-quality MPEG-2 and Dolby Digital surround for DVD, without having to lay your projects back to tape. If your content is already on tape, you can choose from Sonic's superior SD-Series of hardware encoders to ensure stunning quality MPEG video, real-time Dolby Digital audio encoding and powerful control over video and audio encoding parameters. No other encoders come close.

PERFECT FIT

Sonic DVD Fusion easily integrates with non-linear video editors including Avid®, Media 100®, Final Cut Pro®, Adobe Premiere® and others. You begin by digitally transcoding your video and audio files into the formats supported by DVD: MPEG-2 video and Dolby Digital audio. Next, build menus and add interactivity using DVD Fusion's intuitive drag-and-drop layout window. Then, proof your title with DVD Fusion's built-in DVD player and write your finished content to DVD-R or DLT for distribution.

DVD Fusion is designed for editors and artists, not technicians. It works the way you do, with a video and audio timeline that gives you the ability to slip sync, top and tail your video and audio, sequence slides, add subtitles and add chapter points and motion menus. With a clear and concise layout view, you can easily drag menu links between timelines to create an interactive presentation.

INSIDE THE BOX

Sonic DVD Fusion includes all of the hardware and software you need to add DVD publishing to your video or multimedia facility today. Hardware components easily install into your Macintosh, the user manual and installation guides get you configured and

operational, and an interactive tutorial gets you up-and-running quickly. DVD Fusion is available in a variety of different configurations – software-only MPEG encoding or real-time SDI encoding from tape. It's built around much of the same technology used in Sonic's high-end line of studio solutions for DVD, so you get the professional quality you expect.

FROM THE WORLD LEADER IN DVD

When it comes to DVD production, DVD Fusion brings you the best of all worlds. It is the next generation in DVD authoring, but it's built on Sonic's years of leadership in the development of the industry's leading DVD production systems. DVD Fusion is designed to make title creation fast and efficient, but without sacrificing quality or limiting your use of advanced DVD features. It integrates seamlessly with your existing video workflow, but brings your facility a whole new range of capabilities and opportunities. More than the sum of its features, DVD Fusion is a complete package that makes professional DVD creation fast and fun for editors and multimedia artists alike. DVD will take your corporate video, advertising spots, and entertainment productions to a new level of impact and effectiveness. Sonic DVD Fusion makes it possible. Move your multimedia projects to DVD with Sonic DVD Fusion.



SPECIFICATIONS

DVD FUSION

KEY FEATURES

- Direct transcoding of video and audio files
- WYSIWYG, drag-and-drop authoring
- Direct DVD-R recording with WriteDirect™
- Integrated DVD-Video and DVD-ROM production
- Dolby-certified Dolby Digital 5.1 software encoding
- Easy upgrade path to high-end DVD Creator studio production systems
- Proof on Macintosh display or external PAL/NTSC video monitor
- Industry-standard web connectivity with Sonic eDVD®, incorporating technology from InterActual™ (see optional extras)
- Intelligent, integrated title verification

DVD AUTHORIZING

- Graphical DVD-Video authoring with integrated timeline
- Project templates for quick design
- Integrated BitBudget™ display
- Graphical editing of menus and content interactivity
- DVD stream assembly and editing
- Motion menu support

DVD-VIDEO SPECIFICATION SUPPORT

- Universal regions (all regions enabled)
- Eight audio streams
- 32 subtitle tracks
- Multi-angle video (nine video angles)
- 99 Video Title Sets
- DVD-5, DVD-9, DVD-10 and DVD-18 support
- Line 21 support (closed captions)
- Slideshow and Stillshow support
- Full GPRM and SPRM editing and scripting
- UDF/ISO 9660 formatting
- Direct CD-R, DVD-R and DLT recording
- DVD-ROM/DVD-Video hybrid support
- 16:9 aspect ratio support

PROOFING

- Complete DVD navigation
- View on Macintosh display or external NTSC/PAL reference monitor
- Direct playback of elementary or multiplexed streams
- DVD Volume playback from DVD-ROM or hard disk
- Instant playback of VOB files within the authoring project using Real-Time Proofing™
- S-Video and composite video output
- Analog audio output via Macintosh internal speaker or stereo mini-jack
- S/PDIF Dolby Digital direct output
- Requires one PCI slot

VIDEO FORMATS

- MPEG-2 (ISO-13818-2) Main Profile and Main Level
- MPEG-2 resolutions: 720 x 480, 720 x 576, 352 x 480, 352 x 576
- MPEG-1 (ISO-11172-2)
- MPEG-1 resolutions: 352 x 240, 352 x 280
- DVD-compliant bit streams
- Direct transcoding of QuickTime video files

AUDIO FORMATS

- Dolby Digital 5.1
- MPEG-1 Layer II
- PCM 16-bit, 48 KHz
- DTS 5.1 (see optional extras)
- DVD-compliant bit streams
- Direct transcoding of QuickTime audio files

OPTIONAL SD-SERIES ENCODER

SONIC SD-1000 ENCODER

- Superior encoding for multimedia professionals
- Real-time encoding and decoding using SDI input and output
- Exceptional video quality at low bit-rates
- One- or two-pass CBR and two-pass VBR encode styles
- Preview during encode (A/B switching)
- Real-time stereo PCM, MPEG-1 layer II and Dolby Digital audio encoding via balanced analog or AES/EBU digital audio input
- S/PDIF Dolby Digital output
- 9-pin (RS-422) machine control: Sony Protocol
- Requires one PCI slot

OPTIONAL EXTRAS

ADVANCED AUTHORIZING OPTION

- Digital copy protection (CSS) support
- Analog copy protection (APS) support
- Parental rating support
- Regional coding
- DTS (Digital Theater Systems) audio support

SONIC eDVD®

- Create DVD titles that link to the Web
- Industry-standard technology from InterActual
- Add URLs to menu buttons and video timeline

SYSTEM CONFIGURATIONS

MINIMUM SYSTEM REQUIREMENTS

- 256 MB memory
- 2 GB hard disk (system)
- 18 GB hard disk (content)
- 20-inch color display
- 24-bit color graphics
- 1024 x 768 resolution
- CD or DVD-ROM drive
- Mac OS 9.1 or later

RECOMMENDED PERIPHERALS

- Professional NTSC/PAL video monitor
- Audio monitors
- VTR with timecode and 9-pin control
- DVD-R, CD-R, DLT drives

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