

SD-series Encoders for Windows

This document provides the latest information on supported and recommended peripherals for the SD-500, SD-1000, and SD-2000 Encoders on Windows. It supersedes any previous information you may have and includes the following topics:

- “SD-500 Encoder Requirements” on page 2
- “Machine Control Adapters for the SD-500” on page 3
- “SD-1000/2000 Encoder Requirements” on page 4
- “Video Conversion Boxes for the SD-1000/2000” on page 5

For Macintosh configuration information for the SD-1000 Encoder, refer to the *DVD Fusion Configuration Guide*; for the SD-2000 Encoder, refer to the *DVD Creator Configuration Guide*. Both documents are available on the Sonic Web site.

If you have questions regarding installation or system configuration, Sonic technical assistance is available on the Web or by phone:

Web Support:

<http://support.sonic.com/login/default.asp>

Phone Support:

6am – 6pm PST, Excluding Holidays
USA & Canada, 1-888-SONIC-97 (888-766-4297)
International, +1-415-893-7000

SD-500 Encoder Requirements

SD-500 System Requirements

The minimum system requirements for the SD-500 include.

- Windows XP Pro Service Pack 1
- Microsoft DirectShow 8.1
- 1.7 GHz CPU
- 512 MB system memory
- CD-ROM or DVD-ROM drive
- Monitor with 1024 x 768 resolution (1280 x 1024 recommended), 24-bit color (32-bit color recommended)
- 200 MB of hard drive space on system drive for the SD-series encoder application and related files
- Separate hard drive for video and audio files (9–18 GB recommended)

SD-500 CPU Requirements

The following CPUs are recommended for use with the SD-500. Other CPUs may also be compatible but these are the ones recommended by Sonic.

- Dell Precision 340, Pentium IV, 2.4 GHz
- Dell Precision 350, Pentium IV, 3.0 GHz
- HP Workstation xw4000, Pentium IV, 2.8 GHz
- HP Workstation xw4100, Pentium IV
- HP Workstation xw8000, Intel Xeon, 2.8 GHz

The following CPUs are also recommended for use with the SD-500 but are no longer available:

- Compaq AP 550, Pentium III
- Compaq Evo W4000, Pentium IV
- Compaq Evo W8000, Pentium IV, 2.8 GHz
- Dell Precision 330, Pentium IV, 1.7 GHz
- HP Workstation x1100, Pentium IV, 2.0 GHz
- IBM IntelliStation E Pro (6214) Intel 1994 MHz
- IBM IntelliStation M Pro (6850) Intel 1700 MHz
- IBM IntelliStation M Pro 2D (6849) Intel 1.4 GHz
- IBM IntelliStation M Pro (6229) Intel 2.2 GHz

SD-500 Display Requirements

You can use the SD-500 with the following recommended display adapters.

- Matrox Millennium G450
- Matrox Millennium G550
- Matrox Parhelia
- ATI Rage 128
- ATI Radeon VE
- ATI Radeon DDR
- ATI Radeon 8500
- ATI Radeon 8500LE
- NVIDIA Quadro NVS 200

SD-500 Sound Card Requirements

A sound card is required when using an SD-500. The following sound cards from Creative Labs are recommended.

- Sound Blaster PCI-512
- Sound Blaster PCI128
- Sound Blaster PCI64
- Sound Blaster 16 PCI

Locate your nearest Creative Labs retailer or buy online at: <http://www.soundblaster.com/>

Machine Control Adapters for the SD-500

If using an SD-500 to control a video machine via its RS-422 port, Sonic recommends the following RS-232 -> RS-422 converters.

- Pipeline PC (RS-232) - VTR (RS-422) Cable, <http://commerce.secureinput.com/dpipe/>
- Addenda RS-2/4 Interface Adapter, <http://www.addenda.com/rs2324.htm>

SD-1000/2000 Encoder Requirements

SD-1000/2000 System Requirements

The minimum system requirements for the SD-1000 and SD-2000 include:

- Windows XP Pro Service Pack 1
- Microsoft DirectShow 8.1
- Microsoft Windows Media Player 7.0 or later
- 1.7 GHz CPU
- 1 GB system memory
- CD-ROM or DVD-ROM drive
- Monitor with 1024 x 768 resolution (1280 x 1024 recommended), 24-bit color (32-bit color recommended)
- 200 MB of hard drive space on system drive for the SD-series encoder application and related files
- Separate hard drive for video and audio files (9-18 GB recommended)

Note: If using an SD-1000/2000 with Windows XP, you must enable Bus Mastering in the BIOS settings. For information on changing BIOS settings, refer to the manufacturer's documentation included with your computer.

SD-1000/2000 CPU Requirements

The following CPUs are recommended for use with the SD-1000 and SD-2000. Other CPUs may also be compatible but these are the ones recommended by Sonic.

- Dell Precision 340, Pentium IV, 2.4 GHz
- Dell Precision 350, Pentium IV, 3.0 GHz
- HP Workstation xw4000, Pentium IV, 2.8 GHz
- HP Workstation xw4100, Pentium IV
- HP Workstation xw8000, Intel Xeon, 2.8 GHz

The following CPUs are also recommended for use with the SD-1000 and SD-2000 but are no longer available:

- Compaq AP 550, Pentium III
- Compaq Evo W4000, Pentium IV
- Compaq Evo W8000, Pentium IV, 2.8 GHz
- Dell Precision 330, Pentium IV, 1.7 GHz
- HP Workstation x1100, Pentium IV, 2.0 GHz
- IBM IntelliStation E Pro (6214) Intel 1994 MHz
- IBM IntelliStation M Pro (6850) Intel 1700 MHz
- IBM IntelliStation M Pro 2D (6849) Intel 1.4 GHz
- IBM IntelliStation M Pro (6229) Intel 2.2 GHz

SD-1000/2000 Display Requirements

You can use the SD-1000 and SD-2000 with the following recommended display adapters.

- Matrox Millennium G450
- Matrox Millennium G550
- Matrox Parhelia
- ATI Rage 128
- ATI Radeon VE
- ATI Radeon DDR
- ATI Radeon 8500
- ATI Radeon 8500LE
- NVIDIA Quadro NVS 200

Video Conversion Boxes for the SD-1000/2000

If you want to add YUV inputs and outputs to an SD-1000 or SD-2000 system, Sonic recommends standard third-party conversion boxes from the following vendors.

AJA Video

<http://www.aja.com>

443 Crown Point Circle Suite C
Grass Valley, CA USA 95945

Tel 800-251-4224 (USA only)

Tel 530-274-2048

Fax 530-274-9442

AJA provides a range of cost-effective conversion boxes. For distribution inquiries please contact Pam Thompson at pam@aja.com. Recommended models include:

Item Number	Description	Estimated MSRP
D4E Serial Encoder	SDI to NTSC/PAL (2 outputs) or Y/C	\$250
D5CE Serial Encoder	SDI to NTSC/PAL (3 outputs) or Y/C, YPbPr/Beta/RGB	\$375
D5D Decoder	NTSC/PAL to 8-bit SDI, 3-Line Adaptive Comb	\$595
D10AD Decoder	Composite and Component to 10-bit SDI, 3-Line Adaptive Comb	\$890

Miranda Technologies, Inc.

<http://www.miranda.com>

Miranda Technologies has a PicoLink line of converter boxes. You can contact them at:

North America	Europe	Pacific Rim
2323 Halpern Rd. Ville Saint-Laurent, Quebec Canada H4S 1S3 Tel 800-224-7882 (USA) Tel 514-333-1772 Fax 514-333-9828	Miranda Europe S.A. 222, 226 Rue De Rosny 931000 Montreuil France Tel +33.1.5586.8788 Fax +33.1.5586.0029	Miranda Asia KK 2-2-5 Tomigaya, Neoba 303 Shibuya-Ku, Tokyo Japan 151-0063 Tel +81.3.5452.1690 Fax +81.3.5452.1695