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To get optimal performance from your PC using this product read the following body of text.

We have provided you with two methods of viewing these images.

One method of looking at these files is with the Elite Viewer. If you are running Windows 3.1.x, then you will want to double-click on the appropriate Elite icon in the Digital Playground program group. If you are running Windows 95 or Windows NT, the Viewer will automatically run when you place the disc in your CD-ROM drive.

For those who might prefer an alternate viewing method, we have provided a popular shareware GIF viewer called 20/20, which can be found in the 2020 directory of the CD-ROM.

To get optimal results from both of these programs, set your monitor to 640x480 at 256colors.

TIPS

Be sure Windows is using a display driver that will provide 256 colors. This product is not designed for 16-color displays (e.g., the standard Windows VGA driver). If your monitor appears to be limited to 16 colors, run Windows Setup to install the display driver provided by your video card manufacturer that supports 256 colors.

Operation will be a little faster, and better results are expected, if you use 640x480 resolution rather than anything higher. If you operate this program in 1024x768 resolution, you may find that the "small fonts" driver works better than the "large fonts" driver (or, less frequently, vice versa, depending who wrote the drivers).

If you have problems reading any of your CD-ROMs check the CD-ROM for any scratches or finger prints. Use a soft cloth to wipe from the center to the edge. CD-ROMs are more vulnerable to damage than audio CDs, so always place them in the jewel box or CD caddies whenever possible.

Load time is improved by caching from the CD-ROM drive. The **DOS 6.2** version of Smart Drive includes a CD cache which works well. To use it, start smartdrv.exe from your autoexec.bat *and* include the following line in your config.sys file:
device=c:\dos\smartdrv.exe /double_buffer
Consult your DOS manual for more information.

This program uses a lot of Windows memory and resources. As it is with almost any Windows application, not all of these are completely restorable to the system during and following execution. Performance is best when this program is the first and only program running after starting Windows.

Color conflicts can be caused by your wallpaper. If the program loads up in the wrong colors, simply quit, set the wallpaper to [none] in Windows[Control-Panel|Desktop and run again.

HARDWARE NOTES

ATI's "Crystal Fonts" mode is not supported. Change the Video driver to a lower resolution.

If memory managers such as QEMM or 386 MAX are used and the program does not work, sometimes the creation of a system boot disk which loads only the necessary devices, all loaded low, will fix the problem.

Video Cards

The video program requires video software drivers and hardware that fully support Windows 3.1 or better standards. The lists below show video systems that have been tested and found to be compatible with this program. Installing the latest available video ROM and software is generally recommended. Contact the video card manufacturer for information.

<u>Video card</u>	<u>Bus Type</u>	<u>DRIVER Date</u>	<u>Rev</u>	<u>Notes</u>
ATI Graphics Wonder	VLB	3/19/93	2.3	
ATI Graphics Xpression	VLB	6/13/94	1.1	Note 1
Compaq QVision 1024/I	ISA	1/18/94	7.40	
Diamond Viper	PCI	9/27/93	3.01	Recommended
Diamond Viper	VLB	9/17/93	2.01	
Genoa Windows VGA 24	VLB	8/8/93	1.7	
Headland Video 7 RAM II VGA	ISA	5/15/92	3.10	
Hercules Graphite Pro	VLB	12/29/93	2.21	Note 2
IBM XGA-2	MCA	11/12/93	2.11	Note 3
Number Nine 9GXE64	PCI	6/22/94	1.19.04	Recommended
Orchid Fahrenheit 1280	ISA	8/10/92	3.0	
RasterOps PaintBoard PC	ISA	3/25/93	3.10	Note 2
Spider Black Widow	VLB	1/20/94		Recommended
Trident 8900C	ISA	9/23/92	3.10	
Trident 9000C	ISA	7/8/93	VC4.5(WC1.6)	Note 2

Note 1: Set DeviceBitmaps=OFF in the Windows SYSTEM.INI file [MACH] section after card software installation if using this driver version.

Note 2: Use in 256 color mode only.

Note 3: This card does not draw extremely wide arcs properly.

<u>Video card</u>	<u>Bus Type</u>	<u>DRIVER Date</u>	<u>Rev</u>	<u>Notes</u>
Actix ProStar VL	VLB	8/18/93	1.42	Note 1
ATI Graphics Ultra	ISA	3/19/93	2.3	
ATI Graphics Ultra Plus	ISA	4/25/94	2.3	
ATI Graphics Ultra Pro	VLB	4/25/94	2.3	
ATI Graphics Ultra Pro	ISA	4/25/94	2.3	
Blackship Color DesignerA3	VLB	7/8/93	1.32	
Diamond Speed Star Pro	ISA	2/17/94	1.08	
Diamond Speed Star VGA	ISA	4/14/92		
Diamond Stealth 24	VLB	6/3/94	3.00	
Diamond Stealth Pro	VLB	10/6/93		
ELSA Winner2000 Pro	PCI	6/23/94	1.22	
Hercules Dynamite Pro	ISA	12/1/93	2.10	Note 2
Hercules Dynamite Pro	VLB	12/1/93	3.00	
Hercules Graphite Power	ISA	4/6/94	2.10	
IBM XGA Display	MCA	11/12/93	2.11	Note 3
Matrox MGA Power Graphics	PCI	3/28/93	1.42	
Media Vision ProGraphics 1280	VLB	9/15/93	1.01	
Media Vision ProGraphics 1024	VLB	4/15/94	1.5	
Mitac MVA-CL5428-1MB	VLB	3/15/94	V1.43	
Number Nine 9GXe Level 10	ISA	2/9/94	V3.11	Note 4
Number Nine 9GXe Level 11	VLB	2/9/94	3.10.061	Notes 4, 5
Number Nine 9GXe Level 14	VLB	4/7/94	3.15	Note 4
Number Nine 9GXE64	VLB	6/22/94	1.19.04	Recommended
Orchid Celsius	VLB	10/1/93	1.32	Recommended
Orchid Fahrenheit 1280 Plus	VLB	3/1/94	rel 7	Note 6

Orchid Fahrenheit VA	VLB	4/29/93	5.01
Orchid Kelvin 64	PCI	3/14/94	1.1
Orchid Kelvin 64	VLB	2/23/94	1.21
Orchid ProDesigner IIS	ISA	3/1/92	2.0
Paradise WD90c33	VLB	6/28/93	1.2
Standard 1Mb-24X	ISA	3/19/93	1.30
STB Horizon VL Pro	VLB	6/29/93	1.3
STB Lightspeed	PCI	12/1/93	1.1
STB Pegasus	VLB	11/29/93	1.3
TrueVision Bravado 8	ISA	1/15/92	

Note 1: Driver version 1.53 sometimes hangs when playing certain Director transitions. Driver version 1.42 is recommended.

Note 2: Does not always properly display QuickTime digital video in 16 bit (thousands) and 24 bit (millions) color modes

Note 3: Does not draw extremely wide arcs properly.

Note 4: There is sometimes sound break-up or distortion during complex transitions using most sound cards.

Note 5: The cursor sometimes disappears when using a large virtual desktop.

Note 6: Video snow appears during some palette transitions

Hardware Optimization:

Make sure your CD-ROM drive is configured properly. If your CD-ROM controller/host adapter is capable of DMA transfer, always use the DMA option. Sample "CONFIG.SYS" for Mitsumi CD-ROM drive:

```
device = mtrmcde.sys /d:miscd001 /m:32 /i:10 /t:5
```

Software configuration:

For optimal performance, use Microsoft CD-ROM driver 2.0 or higher. Edit your "AUTOEXEC.BAT" file to allocate at least 30K drive buffer. Example :

```
MSCDEX /d:miscd001 /m:30
```

Make sure you are using the most recent versions of HIMEM.SYS, EMM386.EXE, and SMARTDRV.EXE. The copies that came with DOS 6.0 are the most recent, and Windows 3.1 files are better than DOS 5.0 files. Your config.sys should have something like the following:

```
DOS=HIGH,UMB
DEVICE=C:\WINDOWS\HIMEM.SYS
DEVICE=C:\WINDOWS\EMM386.EXE RAM NOEMS
```

Your autoexec.bat should have something like:

```
C:\WINDOWS\SMARTDRV.EXE 1024 1024 (if you have 8 MB or more memory)
C:\WINDOWS\SMARTDRV.EXE 1024 512 (if you have less memory)
```

VIDEO PROBLEMS:

If you experience color display problems, please contact your video board manufacturer to see if newer driver software is available.

If you have more questions regarding this product, you may contact us at:

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