

## Video Cards & Sound Cards for Director 4.04 for Windows November 1994

### VIDEO CARDS

Director requires video software drivers and hardware that fully support Windows 3.1 standards. The following video systems have been tested and found to be compatible with Director during authoring and playback. We recommend installing the latest available video ROM and software. Contact the video card manufacturer for information.

Authoring and playback are not limited to these systems. If you experience difficulties with a card that is not on this list, first test it at 640 x 480 resolution with the monitor's color depth set to 8 bit (256 colors). Next, contact the hardware manufacturer to find out if the problem has been addressed with an updated driver.

The following cards have been tested and provide acceptable results for authoring and playback:

Video card	Bus Type	Driver Date	Rev	Notes
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.

The following video cards have been tested and provide acceptable results for playback:

Video card	Bus Type	Date	Driver Rev	Notes
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		
Elite Group GD5426/28	VLB	8/18/93	1.32b	
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 freezes 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).

Note 3: Does not draw extremely wide arcs properly.

Note 4: Sound break-up or distortion may occur during complex transitions.

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

Note 6: Video snow appears during some palette transitions.

## SOUND CARDS

The following sound cards have been tested and are compatible with Director:

Sound Card	Notes and comments
Compaq Business Audio	
Creative Labs SoundBlaster	

Creative Labs SoundBlaster Pro  
Creative Labs SoundBlaster 16  
Creative Labs SoundBlaster AWE32  
Gateway 2000  
IBM M-Audio \*  
MediaVision ProAudio Spectrum  
MediaVision ProAudio Spectrum 16  
MediaVision ProAudio Spectrum 16 Pro  
Microsoft Windows SoundSystem Version 1  
Microsoft Windows SoundSystem Version 2  
Orchid SoundWave 32  
Reveal Forte 16  
Roland Rap-10

\* IBM computers that have the M-Audio sound card should use driver version 1.3 or higher for best results. Older versions of this driver don't play all sounds in Director or AVI movies. The version 1.3 driver did not pass the 16-bit sounds test for Director. Testing revealed that 8-bit sounds are corrupted when played after a 16-bit sound. At the time these release notes were written, version 1.3 (dated 1/10/94) was the most recent driver available from IBM.