

## **CONFIGURATION RECOMMENDATIONS**

### **Video Cards**

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

The following cards have been tested and give good results for authoring and projectors:

<u>Video card</u>	<u>Bus</u> <u>Type</u>	<u>DRIVER</u> <u>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	
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	
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		
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 give good results for projectors:

<u>Video card</u>	<u>Bus</u> <u>Type</u>	<u>DRIVER</u> <u>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	
Orchid Celsius	VLB	10/1/93	1.32	
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

## Sound Cards

Director includes sound mixing and playback effects. Pleasing sound effects and sound start-up response time depends on the capabilities of the card and the performance of the system. The following sound cards have been tested and are compatible with Director:

<u>Sound Card</u>	<u>Notes and comments</u>
Compaq Business Audio	
Creative Labs SoundBlaster	
Creative Labs SoundBlaster Pro	
Creative Labs SoundBlaster 16	
Creative Labs SoundBlaster AWE32	
Gateway 2000	
IBM M-Audio	Driver version 1.3 - Note 1
MediaVision ProAudio Spectrum	
MediaVision ProAudio Spectrum 16	
MediaVision ProAudio Spectrum 16 Pro	
MicroSoft SoundSystem Version 1	
MicroSoft SoundSystem Version 2	
Orchid SoundWave 32	
Reveal Forte 16	
Roland Rap-10	

Note 1: 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 some sounds in Director or AVI movies. The version 1.3 driver does 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.