

FullVideo VGA and CD-ROM Compatibility Report

This document summarizes the compatibility testing of FullVideo with a wide range of third party VGA adapters and CD-ROM drives. FullVideo requires a VGA adapter with a VESA compliant VGA feature connector, and a CD-ROM drive capable of 150KB/second sustained data transfer rate.

Note: The information contained in this report is subject to change as additional VGA devices and CD-ROM drives are tested and as manufacturers upgrade their VGA adapter boards and CD-ROM drivers.

Lack of a Standard or VESA Compliant Feature Connector

FullVideo relies on the VGA feature connector to overlay MPEG graphics onto your display. Some VGA adapters do not have a standard VESA compliant VGA feature connector or have one that is not activated. These adapters are not compatible with RealMagic.

High Refresh Display Modes

Some VGA adapters display video at very high refresh rates for ergonomic reasons. These modes often surpass the specifications of standard VESA compliant VGA feature connectors. In general, FullVideo is capable of supporting refresh rates of 60 and 72Hz at resolutions of 640x480 and 800x600. At 1024x768 resolution, FullVideo properly displays video at 60Hz. These are general guidelines, your system may or may not perform properly at higher refresh rates. Refresh rates are usually controlled by the type of monitor you select. If the refresh rate is set too high for RealMagic, the MPEG playback window will be out of sync or image will be unstable. Selecting a lower vertical refresh rate will usually correct this problem.

High Bit Depth Display Modes

Some VGA adapters support high bit depth display modes, such as HiColor (either 15 or 16-bit), or TrueColor (24-bit) modes. FullVideo currently does not support Windows running in 24-bit color mode. An error message will appear to notify you of this incompatibility. Most 16-bit color modes will work fine with FullVideo at up to 800x600 resolution (15-bit color modes are less likely to work). At 1024x768 resolution, HiColor modes exceeds the capabilities of a standard VESA compliant VGA feature connector.

Consult the documentation accompanying your VGA adapter for information about changing the display drivers, refresh rates, and bit depth.

FullVideo™
VGA and CD-ROM
Compatibility Report

VGA Compatibility Chart

The following VGA adapter boards have been tested and found compatible with FullVideo except as noted. If the Compatibility Issues column contains "Not compatible" then this adapter board cannot be used with FullVideo under any circumstance (usually due to the lack of a compatible or activated VGA feature connector). If the Compatibility Issues column says "Pass" then the adapter board will definitely work with FullVideo at the standard VGA mode (640x480, 16 colors), but may not be fully compatible with all display modes the particular board supports. Testing was done on the three standard resolutions (640x480, 800x600, and 1024x768).

| Manufacturer | Compatibility Issues |
|------------------------------------|---|
| Acronics - ASI2000 Orion (VLB) | Pass - Supports only selected modes at up to 256 colors |
| Actix - Graphics Engine (ISA) | Not compatible - Feature connector not turned on |
| Actix - Graphics Engine 64 (VLB) | Pass - Supports 256 colors |
| Add-On America -Renoir Ultra-SVGA | Not compatible - No feature connector |
| ARK Logic - ARK-1000PV (PCI) | Pass - Supports up to 256 colors in all modes and up to 64K colors at 640x480 resolution |
| ATI - Graphics Pro (1MB) | Not compatible - No feature connector |
| ATI - Graphics Ultra Pro VLB (2MB) | Pass - Supports up to 256 colors |
| ATI - Graphics Ultra Pro PCI (2MB) | Pass - Supports 256 colors |
| ATI - VGA Wonder (512KB) | Pass - Supports standard VGA mode only |
| CSS - MaxGraphics (1MB) | Pass - Supports standard VGA mode only |
| Diamond - SpeedStar 64PCI | Pass - Supports up to 256 colors in all modes and up to 64K colors at 800x600 resolution |
| Diamond - SpeedStar Pro | Pass - Supports up to 256 colors |

| Manufacturer | Compatibility Issues |
|---|---|
| Diamond - SpeedStar Pro VLB | Pass - Supports up to 256 colors in all modes and up to 64K colors at 640x480 resolution |
| Diamond - Stealth 24 | Pass - Supports up to 256 colors in all modes and up to 64K colors at 800x600 resolution |
| Diamond - Stealth 24 VLB | Pass - Supports up to 256 colors at 640x480 and 800x600 resolution, up to 64K colors at 640x480 resolution |
| Diamond - Stealth 32 PCI | Pass - Supports up to 256 colors in 640x480 and 800x600 resolution |
| Diamond - Stealth 64 PCI | Pass - Supports standard VGA mode only |
| Diamond - Stealth Pro | Pass - Supports up to 256 colors |
| Diamond - Stealth Pro VLB | Pass - Supports up to 256 colors |
| Diamond - Viper | Not compatible - No feature connector |
| Everex - 626 VGA w/ Overlay (1MB) | Pass - Supports standard VGA mode only |
| Gateway 2000 on-board video (Cirrus Logic 5428) | Pass - Supports up to 256 colors in all modes and up to 64K colors at 640x480 resolution |
| Genoa - Windows VGA 7900 (1MB) | Pass - Supports standard VGA mode only |
| Genoa - Windows VGA 8500VL (VLB) | Pass - Supports up to 256 colors in all modes and up to 64K colors at 800x600 resolution |
| Genoa - Phantom 32i 8900VL (VLB) | Pass - Supports 640x480 at up to 64K colors |
| Hercules - Dynamite VL | Pass - Supports up to 256 colors at 640x480 and 800x600 resolution, up to 64K colors at 640x480 resolution |

VGA and CD-ROM Compatibility Report

| Manufacturer | Compatibility Issues |
|--|---|
| IBM PS/ValuePoint on-board video (Cirrus Logic 5428) | Pass - Supports up to 256 colors in all modes and up to 64K colors at 640x480 resolution |
| IBM PS/ValuePoint on-board video (S3 805) | Pass - Supports up to 256 colors in all modes and up to 64K colors at 640x480 resolution |
| IBM PS/ValuePoint on-board video (S3 864) | Pass - Supports up to 256 colors in 640x480 and 800x600 resolution |
| Matrox MGA 64 (PCI) | Pass - Supports standard VGA mode only |
| Media Vision - Thunder & Lightning | Not compatible - Feature connector not turned on |
| Number Nine GXE ISA | Not compatible - No feature connector |
| Number Nine GXE VLB | Pass - Supports up to 256 colors at 640x480 resolution |
| Number Nine GXE PCI | Pass - Supports 256 colors at 640x480 and 800x600 resolutions |
| Number Nine GXE 64 PCI | Pass - Supports 256 colors at 640x480 resolutions |
| Oak - OV 2.15-35 (256KB) | Pass - Supports standard VGA mode only |
| Oak - WCYW VGA | Pass - Supports up to 256 colors at 640x480 and 800x600 resolutions |
| Orchid - Celsius VLB | Pass - Supports standard VGA mode only |
| Orchid - Fahrenheit 1280 | Pass - Supports up to 256 colors in all modes and up to 64K colors at 640x480 resolution |
| Orchid - Fahrenheit 1280 Plus | Pass - Supports up to 256 colors in all modes and up to 64K colors at 640x480 resolution |

VGA and CD-ROM Compatibility Report

| Manufacturer | Compatibility Issues |
|-------------------------------|---|
| Orchid - Fahrenheit 1280 Plus | Pass - Supports up to 256 colors in all modes and up to 64K colors at 640x480 resolution |
| Orchid - Fahrenheit VA | Pass - Supports up to 256 colors in all modes and up to 64K colors at 640x480 resolution |
| Orchid - Kelvin 64 VLB | Pass - Supports up to 256 colors in all modes and up to 64K colors at 800x600 resolution |
| Orchid - Kelvin 64 PCI | Pass - Supports up to 256 colors in all modes and up to 64K colors at 800x600 resolution |
| Orchid - ProDesigner IIs | Pass - Supports up to 256 colors |
| Paradise - Accelerator | Pass - Supports standard VGA mode only |
| Reveal - VC300 | Pass - Supports 256 colors in all modes and 256 to 64K colors at 800x600 resolution |
| Reveal - VC500 | Pass - Supports 256 colors in all modes and 256 to 64K colors at 800x600 resolution |
| Reveal - VC700 | Pass - Supports 256 colors in all modes and 256 to 64K colors at 800x600 resolution |
| Sigma - Concorde VLB | Pass - Supports up to 256 colors in all modes and up to 64K colors at 800x600 resolution |
| Sigma - VGA/H | Pass - Supports standard VGA mode only |
| Sigma - VGA HP-16 | Pass - Supports standard VGA mode only |
| Sigma - VGA HP-8 | Pass - Supports standard VGA mode only |

VGA and CD-ROM Compatibility Report

| Manufacturer | Compatibility Issues |
|-----------------------------------|---|
| Sigma - Legend | Pass - Supports standard VGA mode only |
| Sigma - Legend 24LX | Pass - Supports up to 256 colors in all modes and up to 64K colors at 800x600 resolution |
| Sigma - Legend 24LX VLB | Pass - Supports up to 256 colors in all modes and up to 64K colors at 800x600 resolution |
| Sigma - Legend 24VL/IDE | Pass - Supports up to 256 colors in all modes and up to 64K colors at 800x600 resolution |
| Sigma - Legend GX | Not compatible - VGA feature connector not turned on |
| Sigma - VGA Legend II | Not compatible - No feature connector |
| Sigma - WinMach | Pass - Supports standard VGA mode only |
| Spider Graphics - Black Widow VLB | Pass - Supports up to 256 colors in all modes and up to 64K colors at 800x600 resolution |
| Star Media - SM5000 VLB | Pass - Supports up to 16 colors |
| STB - Evolution | Pass - Supports up to 16 colors |
| STB - Express PCI | Pass - Supports up to 256 colors in all modes and up to 64K colors at 640x480 resolution |
| STB - Horizon VLB | Pass - Supports up to 256 colors in all modes and up to 64K colors at 800x600 resolution |
| STB - LightSpeed VL | Pass - Supports up to 256 colors at 640x480 and 800x600 resolution |
| Tandy - Integrated VLB SVGA | Pass - Supports standard VGA mode only |

VGA and CD-ROM Compatibility Report

| Manufacturer | Compatibility Issues |
|------------------------------------|---|
| Trident - 8900C | Pass - Supports up to 256 colors in 640x480 and 800x600 resolution |
| True Vision - Bravado 16 | Pass - Supports standard VGA mode only |
| VGA-2-The-Max - HYG-VGA-4000 (1MB) | Pass - Supports standard VGA mode only |
| Video 7 - VRAM VGA (512KB) | Pass - Supports standard VGA mode only |
| Western Digital - 90C30 | Pass - Supports standard VGA mode only |
| Western Digital - MVGA - PIDW | Pass - Supports up to 256 colors in all modes and up to 64K colors at 800x600 resolution |

CD-ROM Compatibility Chart

The following CD-ROM drives have been tested and found compatible with FullVideo except as noted. CD-i DigitalVideo CD movies from Philips, and movie CDs in the new Video CD format require a CD-ROM drive that is XA, Mode 2, Form 2 capable. Check the chart below or your owner's manual to make sure your CD-ROM drive meets these requirements before attempting to play movies in CD-i DigitalVideo or Video CD format.

Note: All tests were performed using version 2.01 of the FullVideo software and MSCDEX 2.23. SCSI CD-ROM drivers were tested with FullVideo SCSI.

| Interface | CD-ROM Drive | Drivers | MPEG files in DOS & Windows | Video CD w/ VPLAYER | CD-i & Video CDs w/ Windows Media Player |
|-----------|--------------------------|----------------------|-----------------------------|---------------------|--|
| IDE | Mitsumi CRMC-FX001DE | mtmdai.sys v. 0.01 | Pass | Pass | Pass (1) |
| IDE | Wearnes CDD-120 | wcd.sys | Pass | Pass | Pass |
| Mitsumi | Mitsumi (2) CRMC-FX001D | mtmcdas.sys v. 01.16 | Pass | Pass | Pass (1) |
| Panasonic | Panasonic CR-562 v. 0.8 | cdmke.sys v. 4.03 | Pass | Pass | Pass Fail - in CD-i format |
| Panasonic | Panasonic CR-563 v. 0.73 | cdmke.sys v. 4.03 | Pass | Pass | Pass Fail - in CD-i format |
| Panasonic | Sanyo CDR-H94A v.1.0 | sjcd.sys v.1.0 | Pass | Pass | Pass |
| SCSI-1 | NEC CDR-210 1.0 | fdcd.sys v. 2.42 | Pass (3) | Fail | Fail |

| Interface | CD-ROM Drive | Drivers | MPEG files in DOS & Windows | Video CD w/ VPLAYER | CD-i & Video CDs w/ Windows Media Player |
|-----------|-------------------------|------------------|-----------------------------|---------------------|--|
| SCSI-1 | NEC CDR-55JD 1.0 | fdcd.sys v. 2.42 | Pass | Fail | Fail |
| SCSI-1 | NEC CDR-84J 1.0a | fdcd.sys v. 2.42 | Pass | Fail | Fail |
| SCSI-2 | Chinon CDS-535 rev. q14 | fdcd.sys v. 2.42 | Pass | Fail | Fail |
| SCSI-2 | NEC CDR-510 1.0 | fdcd.sys v. 2.42 | Pass | Fail | Fail |
| SCSI-2 | Panasonic CR-503 1.0f | fdcd.sys v. 2.42 | Pass | Pass | Pass |
| SCSI-2 | Plextor DM-3024 1.08 | fdcd.sys v. 2.42 | Pass (3) | Fail | Fail |
| SCSI-2 | Plextor DM-3028 3.08 | fdcd.sys v. 2.42 | Pass | Fail | Fail |
| SCSI-2 | Plextor PX-4XCH 1.22 | fdcd.sys v. 2.42 | Pass | Pass | Pass |
| SCSI-2 | Sanyo CRD-400i 1.0 | fdcd.sys v. 2.42 | Pass | Pass | Pass |
| SCSI-2 | Sony CDU-561 1.8q | fdcd.sys v. 2.42 | Pass | Pass | Pass |
| SCSI-2 | Toshiba XM340ITA 0283 | fdcd.sys v. 2.42 | Pass | Pass (4) | Pass Fail - in CD-i format |

VGA and CD-ROM Compatibility Report

| Interface | CD-ROM Drive | Drivers | MPEG files in DOS & Windows | Video CD w/ VPLAYER | CD-i & Video CDs w/ Windows Media Player |
|-----------|---------------------------|----------------------|-----------------------------|---------------------|--|
| Sony | Dolphin 8000AT | dol112a.sys v. 1.12a | Pass | Pass | Pass |
| Sony | Lion Optics XC-200II | lion200.sys v. 2.00a | Pass | Pass | Pass |
| Sony | Sony CDU33A 1.0d | slcd.sys v. 1.71a | Pass | Pass | Pass |
| Sony | Wearnes CDD-110 rev. 1.06 | cdd.sys | Pass | Pass | Pass |

- (1) Skipping noted when playing Video CD and CD-i movies in Windows.
- (2) The Mitsumi drive was tested with a Mitsumi 16-bit I/F 74-1645A interface card.
- (3) Occasional skipping noticed on certain CDs.
- (4) Does not recognize certain VideoCDs.

VGA and CD-ROM Compatibility Report**Customer Service**

If you experience a problem when using a known compatible VGA board or CD-ROM drive, or if your VGA board or CD-ROM drive is not included in this report, please feel free to contact the Digital Equipment Corporation Customer Service staff for assistance.

Telephone Number: (800) 354-9000 (Press 42#)

Bulletin Board: (508) 496-8800
1200-14400 8-N-1

Sales Information: (800) 344-4825 or (800) DIGITAL

Notes:
