



Matrox Graphics eXpansion Modules (GXMs)

Matrox **DualHead2Go**

Analog Edition • Digital Edition

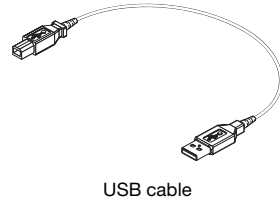
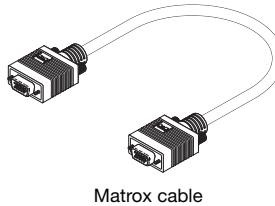
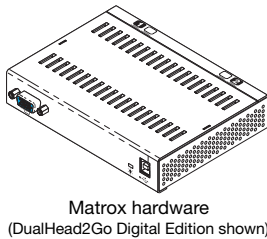
User Guide

20000-301-0102
2008.11.06

Overview

Thank you for purchasing Matrox DualHead2Go. This product allows your single-display graphics hardware to support Matrox DualHead features. *DualHead* features control 2 displays at a time. Matrox DualHead2Go Analog Edition products support up to 2 analog monitors at a time. Matrox DualHead2Go Digital Edition products support up to 2 analog or digital monitors at a time.

Hardware supplied



Software supplied (for Windows 2000, Windows XP, Windows XP Professional x64, and Windows Vista)

- Matrox PowerDesk-SE – to use your Matrox product
- Other software – see the CD-ROM *Readme* file

Installation overview

To install your Matrox product:

- 1 Connect your monitors – see “[Connection setup](#)”, page 3.
- 2 Install the software – see “[Software setup](#)”, page 7.

Connection setup

This section describes how to connect monitors to your Matrox product.

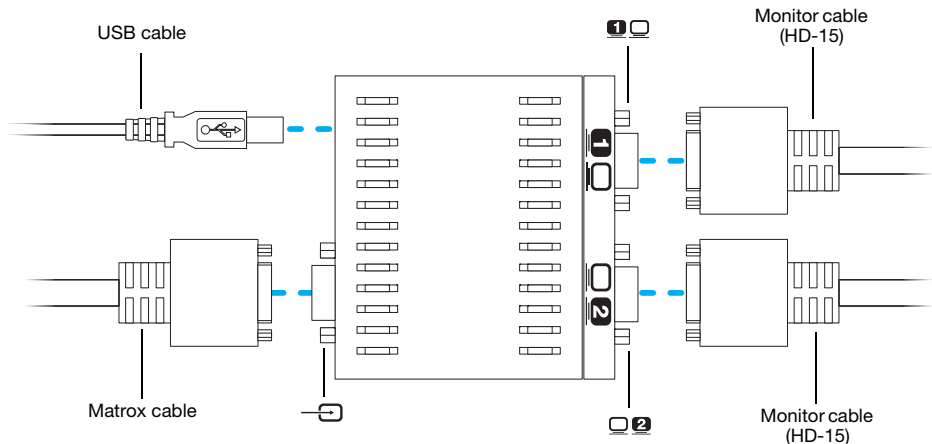


Note: Depending on your Matrox product, you can connect up to 2 analog or digital monitors at a time to your Matrox product. To get the most out of your Matrox product, we recommend you use two identical monitors (that is, monitors that support the same settings such as display resolution and refresh rate). For information on the settings your monitor supports, see your monitor documentation.



WARNING: Don't change monitor connections while your computer is turned on. While your computer is turned on, it may be using monitor settings that are specific to the current monitor connections. *Some* devices may be permanently damaged if incorrect settings are used.

Connection overview – DualHead2Go Analog Edition



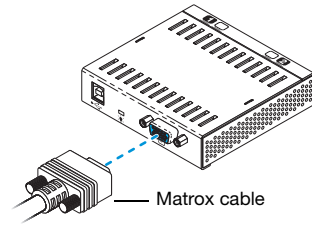
Step-by-step connection setup – DualHead2Go Analog Edition

1 Turn off computer

Before you connect your Matrox product, make sure you shut down your system and turn off your computer.

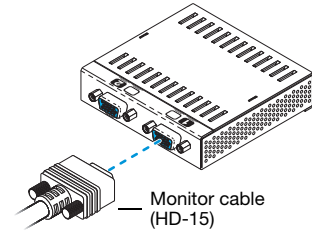
2 Attach the Matrox cable

Attach one end of the cable provided with your Matrox product to the graphics connector on your computer. Attach the other end of the cable to the input connector (☐) on your Matrox product.



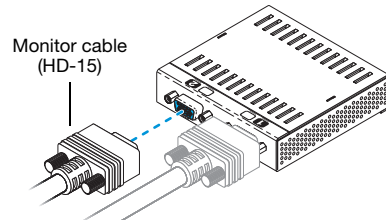
3 Connect the first monitor

Use your monitor cable to connect your first monitor to the main connector (☐) on your Matrox product.



4 Connect the second monitor

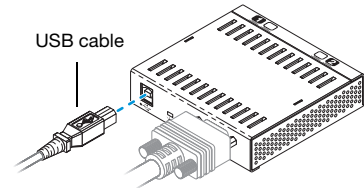
Use your monitor cable to connect your second monitor to the secondary connector (☐) on your Matrox product.



5 Connect the USB cable

Plug one end of the USB cable provided with your Matrox product into the USB connector (•↔•) on your Matrox product.

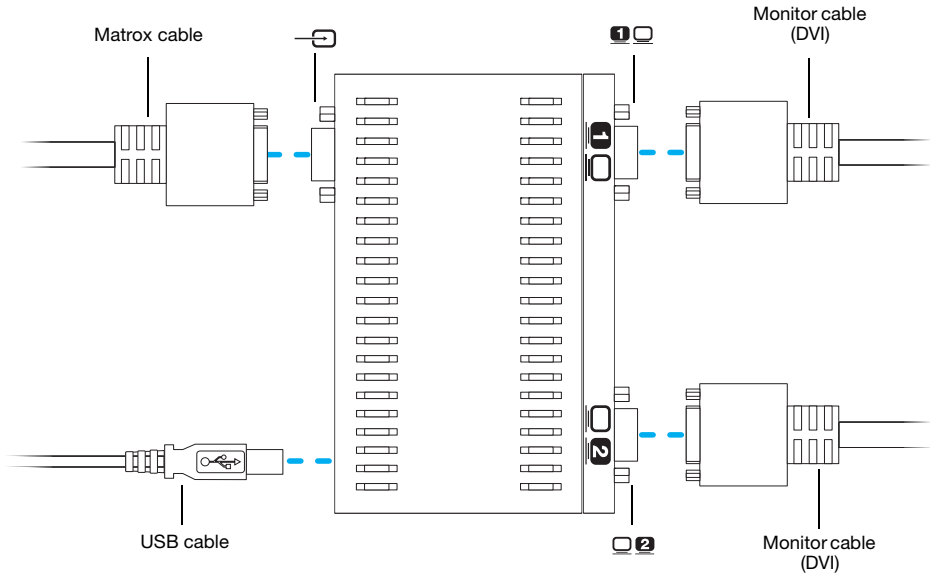
Plug the other end of the USB cable into a powered USB port on your computer. For more information on powered USB ports, see your system manual.



Note: If your computer doesn't have a powered USB port, you'll need a separate adapter. To purchase a Matrox power adapter for your product, see the Matrox online store (<http://shopmatrox.com>).

Your Matrox product is now connected. Restart your computer and install your Matrox software (see “Software setup”, page 7).

Connection overview – DualHead2Go Digital Edition




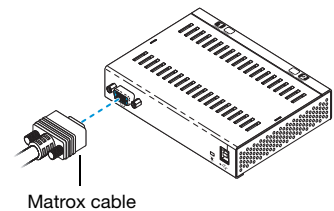
Step-by-step connection setup – DualHead2Go Digital Edition

1 Turn off computer

Before you connect your Matrox product, make sure you shut down your system and turn off your computer.

2 Attach the Matrox cable

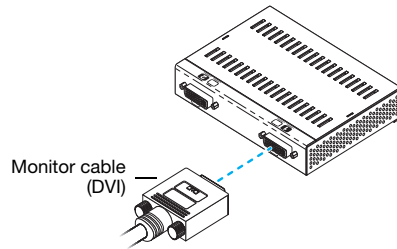
Attach one end of the cable provided with your Matrox product to the graphics connector on your computer. Attach the other end of the cable to the input connector (—) on your Matrox product.



3 Connect the first monitor

If your monitor has a DVI connector, use your monitor cable to connect your monitor directly to the main connector (1) on your Matrox product.

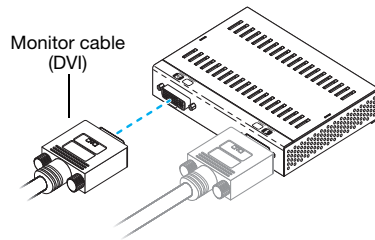
If your monitor has an HD-15 connector, use a DVI-to-HD15 adapter (sold separately) to connect your monitor to the main connector.



4 Connect the second monitor

If your monitor has a DVI connector, use your monitor cable to connect your monitor directly to the secondary connector (2) on your Matrox product.

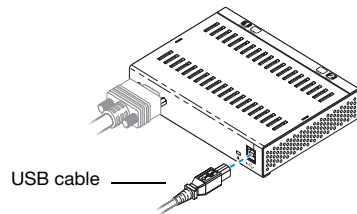
If your monitor has an HD-15 connector, use a DVI-to-HD15 adapter (sold separately) to connect your monitor to the secondary connector.



5 Connect the USB cable

Plug one end of the USB cable provided with your Matrox product into the USB connector (•) on your Matrox product.

Plug the other end of the USB cable into a powered USB port on your computer. For more information on powered USB ports, see your system manual.



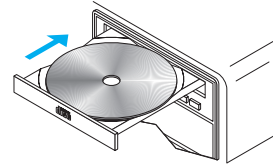
Note: If your computer doesn't have a powered USB port, you'll need a separate adapter. To purchase a Matrox power adapter for your product, see the Matrox online store (<http://shopmatrox.com>).

Your Matrox product is now connected. Restart your computer and install your Matrox software (see “Software setup”, page 7).

Software setup

This section describes how to install Matrox software for *Windows 2000*, *Windows XP*, *Windows XP Professional x64*, and *Windows Vista*.

You may need administrator rights to install certain software. For more information, see Windows documentation or contact your system administrator.



1 Install your Matrox software



Insert the Matrox installation CD-ROM in your CD-ROM drive – the CD-ROM installation program automatically starts.* Follow the on-screen instructions.

2 Change your display settings (optional)

After the installation is complete, you should be using a stretched display mode. While using stretched mode, your individual displays are combined to form a single stretched display.

If you're not using a stretched display mode or if you want to change your current display settings (for example, your display resolution), use Matrox PowerDesk software to change these settings. For more information on changing display settings, see Matrox PowerDesk help.

Accessing PowerDesk

Your Matrox software includes Matrox PowerDesk software. This software helps you get the most out of your Matrox product. Use Matrox PowerDesk software to change certain display settings or access Matrox features. To access PowerDesk, click its icon () on your Windows taskbar. To see the PowerDesk icon in Windows XP/Vista, you may need to click the **Show hidden icons** button () on your Windows taskbar. For more information on how to use Matrox PowerDesk, see Matrox PowerDesk help.

* If Windows doesn't automatically start the setup program, you can run the setup program from the *Umbrella* folder of the CD-ROM.

Troubleshooting

This section addresses possible problems that could prevent you from using your Matrox product.

Problem Computer doesn't display information after Matrox product is connected

Cause Your Matrox product may not be properly connected.

Solution Make sure your Matrox product is properly connected and that all connectors are properly fastened.

Solution Try reconnecting your monitors and USB cable. For more information, see [“Connection setup”](#), page 3.

Cause Your Matrox product may not support the selected display mode.

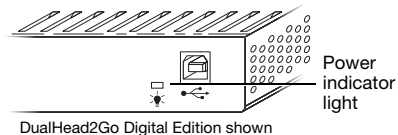
Solution Make sure your Matrox product supports the selected display mode. For more information, see [“Supported display modes”](#), page 15.

Cause Your computer's built-in graphics hardware may not be enabled.

Solution If graphics hardware is built into your computer motherboard, it may not be enabled. Check your system manual for instructions on how to enable your computer's built-in graphics hardware.

Problem No power indicator light (black)

Cause Your USB cable may not be properly connected.



Solution Make sure your USB cable is properly connected. For more information, see [“Connection setup”](#), page 3.

Cause Your USB cable may not be connected to a powered USB port.

Solution Make sure your USB cable is connected to a powered USB port. If the USB port you're currently using isn't powered, try using a different USB port.



Note: The powered USB port must be able to provide up to 2.5 W (5 VDC, up to 500 mA) of power. For more information on powered USB ports, see your system manual.

Problem Power indicator light is red

Cause Your Matrox product may not support the selected display mode.

Solution Make sure your Matrox product supports the selected display mode. For more information, see “Supported display modes”, page 15.

Cause There may be unsupported graphics hardware in your computer.

Solution Make sure your Matrox product supports your graphics hardware by running the *Matrox System Compatibility Tool* (www.matrox.com/graphics/dualhead2go/support).

Solution If graphics hardware is built into your computer motherboard, it may not be enabled. Check your system manual for instructions on how to enable your computer's built-in graphics hardware.

Problem After the startup screen, or after display settings are changed, the screen image is garbled or unusable (blank screen, rolling or overlapping screen images)

Cause An unsupported display mode may have been selected.

Solution If one of your displays is usable, use Matrox PowerDesk to change your display mode. For more information, see Matrox PowerDesk help.

Solution If all your displays are unusable, change your display resolution in Windows.

- 1 Restart your computer in VGA mode.



Note: Windows 2000/XP/Vista – To restart your computer in *VGA mode*:

- a Click **Start** → **Shut Down** → **Restart** → **OK*** to restart your computer. (* Depending on your version and configuration of Windows, this part of the step may not be necessary.)

If your primary monitor is unusable, see your system manual for information on how to restart your computer using a hardware control.

- b *Before* Windows starts, press [F8] for the Windows startup menu to appear. (If [F8] doesn't work, instead try pressing and holding [Ctrl] before Windows starts.)
- c Select "VGA mode" (or "Low resolution mode"), then press [Enter].

- 2 Change your display resolution:

Windows 2000 –

- a Right-click your Windows desktop background, then click **Properties** → **Settings**.
- b Move the **Screen area** slider to a stretched mode resolution (for example, 2048 × 768), then click **OK**.

Windows XP –

- a Right-click your Windows desktop background, then click **Properties** → **Settings**.
- b Move the **Screen resolution** slider to a stretched mode resolution (for example, 2048 × 768), then click **OK**.

Windows Vista –

- a Right-click your Windows desktop background, then click **Personalize** → **Display Settings**.
- b Move the **Resolution** slider to a stretched mode resolution (for example, 2048 × 768), then click **OK**.

- 3 Restart your computer normally.

Problem Desktop isn't stretched across monitors

Cause A stretched display mode may not be selected.

Solution From the Matrox PowerDesk main interface, select a stretched mode. For more information, see "Supported display modes", page 15.

Cause Your secondary display may not be enabled in Windows.

Solution Make sure your display is enabled:

Windows 2000/XP –

- 1 Right-click your Windows desktop background, then click **Properties** → **Settings**.
- 2 Select any disabled display, enable the **Extend my Windows desktop onto this monitor** check box, then click **Apply**.

Windows Vista –

- 1 Right-click your Windows desktop background, then click **Personalize** → **Display Settings**.
- 2 Select any disabled display, enable the **Extend the desktop onto this monitor** check box, then click **Apply**.

Solution If no secondary display is available in Windows, your secondary display may not be enabled on your system. For more information on how to enable your secondary display, see your system or graphics hardware documentation.

Problem Certain display resolutions in Windows are unavailable

Cause There may be unsupported graphics hardware in your computer.

Solution Make sure your Matrox product supports your graphics hardware by running the *Matrox System Compatibility Tool* (www.matrox.com/graphics/dualhead2go/support).

Cause Certain display resolutions may be listed even though they may not be supported by your Matrox product.

Solution Make sure your Matrox product supports the selected display resolution. For more information, see “Supported display modes”, page 15.

Solution Make sure your Matrox software is installed. For more information, see “Software setup”, page 7.

Problem Display on flat panel monitor appears blurry or uses only a portion of the screen

Cause The image quality of your displays may need to be adjusted.

Solution Use the **Adjust Image Quality** option in Matrox PowerDesk to adjust the image quality of your displays. For more information, see Matrox PowerDesk help.

Solution If your monitor has an auto-adjust control, try using it to adjust the image quality of your displays. For more information, see your monitor manual.

Cause You may be using a lower display resolution than what your flat panel monitor supports. If your monitor supports display scaling, the image on your screen may appear blurry. If display scaling isn't supported, the display may use only a portion of your screen.

Solution Select the highest display resolution available. This generally results in better image quality.

Problem Wrong color balance, blurry text, or screen image off-center

Cause You may be using different types of monitors.

Solution To get the most of your Matrox product, we recommend you use two identical monitors while using Matrox DualHead2Go.

Cause Your monitor video controls may be improperly set.

Solution Adjust your monitor controls (brightness, contrast, and so on). For more information, see your monitor manual.



Note: While using Matrox DualHead2Go, gamma correction for each monitor isn't supported.

Cause Your monitors may not be properly connected.

Solution Make sure all connectors are properly fastened (see “[Connection setup](#)”, page 3).

Cause The image quality of your displays may need to be adjusted.

Solution Use the **Adjust Image Quality** option in Matrox PowerDesk to adjust the image quality of your displays. For more information, see Matrox PowerDesk help.

Solution If your monitor has an auto-adjust control, try using it to adjust the image quality of your displays. For more information, see your monitor manual.

Problem Screen image defects appear (tearing)

Cause You may be using a higher display resolution than what your graphics hardware supports.

Solution Select a lower display resolution. This generally results in better image quality.

Solution If you're using a 32-bit color palette, try using 16-bit color palette instead.

Problem **Matrox product isn't automatically detected**

Cause Your Matrox product may not support the selected display mode or the graphics hardware in your computer.

Solution Make sure your Matrox product supports the selected display mode. For more information, see “Supported display modes”, page 15.

Solution Make sure your Matrox product supports your graphics hardware.

Problem **Program window or dialog box doesn't appear on screen**

Cause Another window or dialog box may be covering the window or dialog box you want to see.

Solution Move, close, or minimize any window or dialog box that may be covering the window or dialog box you want to see.

Cause If you're using multi-display mode, the program window or dialog box may be in a display or on a monitor that's unusable. (For example, your monitor may not be properly connected or configured.)


Solution Make sure all the displays and monitors you want to use are usable. For more information, see other troubleshooting items in this guide.

Cause The program window or dialog box may be somewhere off-screen.

Solution If the program window you want to see is named on the Windows taskbar, right-click on it and select **Maximize**. (If you click **Restore** the program window goes back to its previous position. To fix this problem, see the other solutions.)

Solution Manually move the program window or dialog box:

- 1 Press [Alt]+[Space].
- 2 If you see a pop-up menu, click **Move**. If you don't see a pop-up menu, press [M] (for **Move**).
- 3 Press one of the arrow keys once and move your mouse pointer to where you want the window or dialog box to appear, then click. The program window or dialog box should appear where you clicked.

Solution 1 Click the Matrox PowerDesk icon () on your Windows taskbar, then click **Desktop Management**.

- 2 Enable one or more of the following features:
 - **Open program windows**
 - **Center dialog boxes and message boxes**

3 Choose where you want the program window or dialog box to appear.

For more information, see Matrox PowerDesk help.

Problem 3D programs don't work

Cause While using display resolutions above 2048×768 , certain graphics hardware may not properly support 3D acceleration.

Solution For information on the capabilities of your graphics hardware, see its documentation.

More Information

We provide additional information in help and *Readme* files. Be sure to check for any last-minute release notes included with your product and in the Matrox CD-ROM *Readme* file. Also, check the Matrox Web site (www.matrox.com/graphics/gxm) for the latest Matrox software, technical support, and product information. This guide is available on the CD-ROM as an Adobe Reader file (*Guide\Guide.pdf*).

Product information

Supported display modes

DualHead2Go Analog Edition

Multi-display setup	Display resolution	Vertical refresh rate (Hz)
Stretched mode	2560 × 1024	60
	2048 × 768	60, 75, and 85*

* While using flat panel monitors, we recommend using a refresh rate of 60 Hz.

DualHead2Go Digital Edition

Multi-display setup	Display resolution	Vertical refresh rate (Hz)*
Stretched mode	3840 × 1200	58
	3200 × 1200	60
	2560 × 1024	60
	2048 × 768	60

* Listed are the manufacturer's default settings. For DualHead2Go Digital Edition, additional display modes are available through Matrox PowerDesk software. For more information, see Matrox PowerDesk help.

Notes

- For the latest compatibility information, see the Matrox Web site (www.matrox.com/graphics/gxm).
- Only one (1) Matrox DualHead2Go product at a time can be connected to your computer.
- Matrox PowerDesk software supports only Windows 2000, Windows XP, Windows XP Professional x64, and Windows Vista.
- While using some graphics hardware and software, certain limitations may apply. For information on the capabilities of your graphics hardware, see its documentation.
- The display resolutions and refresh rates available depend on your monitor and software monitor settings. For more information on the capabilities of your monitor, see your monitor documentation.
- While using Intel chipsets, certain limitations may apply. (For example, some chipsets don't support a 2560 × 1024 display resolution.)

- While using display resolutions above 2048×768 , certain graphics hardware may not properly support 3D acceleration. For information on the capabilities of your graphics hardware, see its documentation.
- **DualHead2Go Digital Edition** – Certain Intel chipsets may support display resolutions above 2560×1024 only with a 16-bit color palette.
- To get the most of your Matrox product, we recommend you use two identical monitors (that is, monitors that support the same settings such as display resolution and refresh rate). For more information on the settings your monitor supports, see your monitor documentation.
- While using Matrox DualHead2Go, using software-based *On-Screen Display* (OSD) controls to adjust the image quality of your monitors isn't supported.
- While an unsupported display mode is selected, your displays may be unusable.

Environmental specifications

- Minimum/maximum ambient operating temperatures: 0 to 55° C
- Minimum/maximum storage temperature: -40 to 75° C
- Maximum altitude for operation: 3,000 meters
- Maximum altitude for transport: 12,000 meters
- Operating humidity: 20 to 80% relative humidity (non-condensing)
- Storage humidity: 5 to 95% relative humidity (non-condensing)



Customer support

Matrox Web

Matrox is on the Internet with a World Wide Web (WWW) site. Our Web site has product literature, press releases, technical material, a sales office list, trade show information, and other relevant material.

- Visit the Matrox Graphics Web site at www.matrox.com/graphics.
- E-mail questions or comments regarding the site to webmaster@matrox.com.

If you have a problem

Matrox values your business and offers preferred support for your Matrox product. For product support, contact your Matrox representative or visit our technical support Web site at www.matrox.com/graphics/support.

Information we need



Please give a complete description of the problem, and include:

- Matrox product serial number, model number, revision number, display mode (display resolution and refresh rate), firmware version, and PowerDesk version.
- System compatibility information.
- Graphics hardware model, processor speed, and amount of memory.
- Operating system, version, and service pack.
- Brand and model of any other graphics cards and devices installed on your system.

Where to get information

For information on PowerDesk software:

Windows 2000/XP/Vista –

- 1 Click the PowerDesk icon () on your Windows taskbar to access the main PowerDesk menu. To see the PowerDesk icon in Windows XP/Vista, you may need to click the **Show hidden icons** button () on your Windows taskbar.
- 2 Click **About**.

For system information:

- Windows 2000 – Right-click the **My Computer** icon on your Windows desktop background, then click **Properties**.
- Windows 2000/XP – Click **Start** → **Programs** → **Accessories** → **System Tools** → **System Information**.
- Windows XP – Click **Start** → **Settings*** → **Control Panel** → **Performance and Maintenance*** → **System** (double-click*). (* Depending on your configuration of Windows, this part of the step may not be necessary.)
- Windows Vista – Click **Start** → **Settings*** → **Control Panel** → **System and Maintenance** → **System**. (* Depending on your configuration of Windows, this part of the step may not be necessary.)

Warranty

Shall only apply after the Matrox System Compatibility Tool has been successfully completed.

A. Limited Warranty Statement

1. Matrox Graphics Inc. ("Matrox") warrants to the end-user customer, who provides adequate proof of purchase and adequate proof of system validation from the Matrox System Compatibility Tool that Matrox hardware products purchased from Matrox authorized dealers will be free from defects in materials and workmanship for a period of two (2) years from the date of purchase. This warranty applies only to the original end-user purchaser and is non-transferable. MATROX DOES NOT WARRANT THAT THE OPERATION OF THE PRODUCTS PURCHASED FROM MATROX WILL BE UNINTERRUPTED OR ERROR-FREE, THAT DEFECTS IN THE PRODUCTS WILL BE CORRECTED, OR THAT THE PRODUCTS WILL MEET THE CUSTOMER'S REQUIREMENTS OR PERFORM WITH ANY HARDWARE OR SOFTWARE PROVIDED BY THIRD PARTIES. Conditions and limitations of Matrox's warranty are stated below.
2. Matrox's limited warranty covers only those defects which arise as a result of normal use of the hardware and does not apply to any:
 - a. improper or inadequate maintenance;
 - b. incompatibilities due to the user's hardware or software applications with or in which the Matrox product interfaces;
 - c. product of a special or custom-made nature;
 - d. unauthorized modification or misuse;
 - e. improper installation, misapplication or negligence;
 - f. operation outside the product's environmental specifications;
 - g. improper site preparation or maintenance;
 - h. software;
 - i. other causes that do not relate to a product defect;
 - j. defects or damage suffered as a result of force majeure (including theft);
 - k. defects or damage suffered as a result of normal wear and tear, and/or
 - l. stolen goods.
3. If Matrox receives, during the applicable warranty period, notice of a defect in a warranted hardware product and the defective Matrox product in question, Matrox shall at its sole option, either repair or replace the product, and shall return the repaired product or a replacement product within a reasonable delay. The replacement product may not be new, provided that it has functionality at least equal to that of the product being replaced.
4. This warranty is valid in any country where Matrox hardware products are distributed by Matrox or its authorized dealers.
5. This Limited Warranty Statement gives the customer specific legal rights. The customer may also have other rights which vary from state to state in the United States, from province to province in Canada, and from country to country elsewhere in the world.

B. Limitations of Warranty

1. NEITHER MATROX NOR ANY OF ITS THIRD PARTY SUPPLIERS MAKES ANY OTHER WARRANTY OF ANY KIND, WHETHER EXPRESSED OR IMPLIED, WITH RESPECT TO MATROX PRODUCTS. MATROX SPECIFICALLY DISCLAIMS (and the customer, by accepting the Matrox product, specifically accepts such disclaimer and waives) ALL OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR OR INTENDED PURPOSE OR USE AND THE WARRANTY AGAINST LATENT DEFECTS, WITH RESPECT TO THE HARDWARE AND/OR SOFTWARE.

MATROX FURTHER DISCLAIMS ANY WARRANTY THAT MATROX PRODUCTS, IN WHOLE OR IN PART, WILL BE FREE FROM INFRINGEMENT OF ANY THIRD PARTY INTELLECTUAL PROPERTY OR PROPRIETARY RIGHTS.

2. To the extent that this Limited Warranty Statement is inconsistent with the law of the locality where the customer purchases the Matrox product, this Limited Warranty Statement shall be deemed modified to be consistent with such local law. Under such local law, certain limitations of this Limited Warranty Statement may not apply to the consumer.
3. To the extent allowed by local law, the remedies provided in this Limited Warranty Statement are the customer's sole and exclusive remedies.

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1. EXCEPT FOR THE OBLIGATIONS SPECIFICALLY SET FORTH IN THE LIMITED WARRANTY STATEMENT, IN NO EVENT SHALL MATROX BE LIABLE FOR:
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2. Without prejudice to the foregoing, any liability of Matrox for any breach of warranty shall be limited to the amount paid by the customer for the defective hardware in question.
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4. Customer shall be responsible for all applicable taxes, duties and customs fees on any replacement unit, as well as all transport, insurance, storage and other charges incurred on all returned products.

D. Obtaining Service

1. Verify that your Matrox product was installed and configured according to the information in its accompanying documentation.
2. Read the "Troubleshooting" information included with the Matrox product to see if you can solve the problem yourself.
3. If you are still experiencing difficulties, please contact your dealer where you purchased your Matrox product.
4. If you must return a Matrox product, leave the configuration as it was when you were using it, and leave all identification stickers on the product. Pack the product in its original box and return to your Matrox dealer where the product was purchased, together with your proof of purchase. Your Matrox dealer will return the product for you. Alternatively, if this first option is unavailable to you, you may contact the Matrox Technical Support group who will issue a Return Merchandise Authorization (RMA) number, upon receipt of adequate proof of purchase, and inform you of shipping instructions. DO NOT RETURN THE PRODUCT TO MATROX WITHOUT MATROX'S RMA NUMBER AND EXPRESS AUTHORIZATION.

E. General

This limited warranty shall be governed by the laws of the Province of Quebec, Canada and the federal laws of Canada applicable therein and the courts of the Province of Quebec shall have exclusive jurisdiction to hear and decide any dispute instituted by the customer in connection with this limited warranty; the customer waives, by accepting the product, its rights to institute proceedings in connection with this warranty against Matrox in any jurisdiction other than Quebec.

Software license agreement

Single User Products This Matrox software (the “Software”) is copyrighted by Matrox Graphics Inc. All rights are reserved. The purchaser is granted a license to use the software only, subject to the following restrictions and limitations:

1. The license is for the original purchaser only, and is not transferable without written permission of Matrox.
2. The original purchaser may use the Software on a single computer owned or leased by the original purchaser. You may not use the Software on more than a single computer, even if you own or lease more than one computer, without written consent of Matrox.
3. The original purchaser may make back-up copies of the Software for his or her own use only, subject to the use limitations of this license.
4. The original purchaser may not engage in, nor permit third parties to engage in, any of the following:
 - Providing or disclosing the Software to third parties.
 - Providing use of the Software in a computer service business, network, time-sharing, multiple CPU or multi-user arrangement to users who are not individually licensed by Matrox.
 - Making alterations or copies of any kind in the Software (except as specifically permitted above).
 - Attempting to unassemble, de-compile or reverse engineer the Software in any way.
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USA

FCC Compliance Statement



Remark for the Matrox hardware products supported by this guide This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment causes harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: • Reorient or relocate the receiving antenna • Increase the separation between the equipment and receiver • Connect the equipment into an outlet on a circuit different from that to which the receiver is connected • Consult the dealer or an experienced radio/TV technician for help.

WARNING Changes or modifications to this unit not expressly approved by the party responsible for the compliance could void the user's authority to operate this equipment. The use of shielded cables for connection of the monitor to the card is required to meet FCC requirements.

Declaration of conformity of a Class B digital device according to the FCC rules

We, the Responsible Party Matrox, 625 State Route 3, Unit B, Plattsburg, NY 12901 • Telephone: (514) 822-6000 (extension 2026) • Attention: Conformity Group Matrox

Declaration The Matrox hardware products supported by this guide comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) these devices may not cause harmful interference, and (2) these devices must accept any interference received, including interference that may cause undesired operation. Any question regarding this declaration should be forwarded to the above coordinates.

CANADA

(English) Industry Canada Compliance Statement

Remark for the Matrox hardware products supported by this guide These digital devices do not exceed the Class B limits for radio noise emission from digital devices set out in the Radio Interference Regulation of Industry Canada.

(Français) Conformité avec les exigences du ministère de l'Industrie Canada

Remarque sur les produits matériels Matrox couverts par ce guide Ces appareils numériques n'émettent aucun bruit radioélectrique dépassant les limites applicables aux appareils numériques de Classe B prescrites dans le Règlement sur le brouillage radioélectrique édicté par Industrie Canada.

JAPAN

VCCI Compliance Statement



Remark for the Matrox hardware products supported by this guide This is a Class B product based on the standard of the Voluntary Control Council for Interference from Information Technology Equipment (VCCI). If this is used near a radio or television receiver in a domestic environment, it may cause radio interference. Install and use the equipment according to the instruction manual.

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取扱説明書に従って正しい取り扱いをして下さい。

(English) European user's information – Declaration of Conformity

Remark for the Matrox hardware products supported by this guide These devices comply with EC Directive 89/336/EEC for a Class B digital device. They have been tested and found to comply with EN55022/CISPR22 and EN55024/CISPR24. In a domestic environment these products may cause radio interference in which case the user may be required to take adequate measures. To meet EC requirements, shielded cables must be used to connect the monitor and other peripherals to the card. These products have been tested in a typical class B compliant host system. It is assumed that these products will also achieve compliance in any class B compliant system.

(Français) Informations aux utilisateurs Européens – Déclaration de conformité

Remarque sur les produits matériels Matrox couverts par ce guide Ces unités sont conformes à la directive communautaire 89/336/EEC pour les unités numériques de classe B. Les tests effectués ont prouvé qu'elles sont conformes aux normes EN55022/CISPR22 et EN55024/CISPR24. Le fonctionnement de ces produits dans un environnement résidentiel peut causer des interférences radio, dans ce cas l'utilisateur peut être amené à prendre les mesures appropriées. Pour respecter les impératifs communautaires, les câbles de connexion entre le moniteur ou autres périphériques et la carte doivent être blindés. Ces produits ont été testés dans un système hôte typique compatible classe B. On suppose qu'ils présenteront la même compatibilité dans tout système compatible classe B.

(Deutsch) Information für europäische Anwender – Konformitätserklärung

Anmerkung für die Matrox Hardware-Produktunterstützung durch dieses Handbuch Diese Geräte entsprechen EC Direktive 89/336/EEC für ein digitales Gerät Klasse B. Sie wurden getestet und entsprechen demnach EN55022/CISPR22 und EN55024/CISPR24. In einer Wohnumgebung können diese Produkte Funkinterferenzen erzeugen, und der Benutzer kann genötigt sein, entsprechende Maßnahmen zu ergreifen. Um EG-Anforderungen zu entsprechen, müssen zum Anschließen des Monitors und anderer Peripheriegeräte an die Karte abgeschirmte Kabel verwendet werden. Diese Produkt wurden in einem typischen, der Klasse B entsprechenden, Host-System getestet. Es wird davon ausgegangen, daß diese Produkte auch in jedem Klasse B entsprechenden System entsprechend funktionieren.

(Italiano) Informazioni per gli utenti europei – Dichiarazione di conformità

Nota per i prodotti hardware Matrox supportati da questa guida Questi dispositivi sono conformi alla direttiva CEE 89/336/EEC relativamente ai dispositivi digitali di Classe B. Sono stati provati e sono risultati conformi alle norme EN55022/CISPR22 e EN55024/CISPR24. In un ambiente domestico, questi prodotti possono causare radiointerferenze, nel qual caso all'utente potrebbe venire richiesto di prendere le misure adeguate. Per soddisfare i requisiti CEE, il monitor e le altre periferiche vanno collegati alla scheda grafica con cavi schermati. Questi prodotti sono stati provati in un tipico sistema host conforme alla classe B. Inoltre, si dà per scontato che questi prodotti acquisiranno la conformità in qualsiasi sistema conforme alla classe B.

(Español) Información para usuarios europeos – Declaración de conformidad

Observación referente a los productos de hardware de Matrox apoyados por este manual Estos dispositivos cumplen con la directiva de la CE 89/336/EEC para dispositivos digitales de Clase B. Dichos dispositivos han sido sometidos a prueba y se ha comprobado que cumplen con las normas EN55022/CISPR22 y EN55024/CISPR24. En entornos residenciales, estos productos pueden causar interferencias en las comunicaciones por radio; en tal caso el usuario deberá adoptar las medidas adecuadas. Para satisfacer las disposiciones de la CE, deberán utilizarse cables apantallados para conectar el monitor y demás periféricos a la tarjeta. Estos productos han sido sometidos a prueba en un típico sistema anfitrión que responde a los requisitos de la clase B. Se supone que estos productos cumplirán también con las normas en cualquier sistema que responda a los requisitos de la clase B.

(English) European user's information – Directive on Waste Electrical and Electronic Equipment (WEEE)

Please refer to the Matrox Web site (www.matrox.com/environment/weee) for recycling information.

(Français) Informations aux utilisateurs Européens – Règlementation des déchets d'équipements électriques et électroniques (DEEE)

Se référer au site Web de Matrox (www.matrox.com/environment/weee) pour l'information concernant le recyclage.

(Deutsch) Information für europäische Anwender – Europäische Regelungen zu Elektro- und Elektronikgeräten (WEEE)

Bitte wenden Sie sich an der Matrox-Website (www.matrox.com/environment/weee) für Recycling-Informationen.

(Italiano) Informazioni per gli utenti europei – Direttiva sui rifiuti di apparecchiature elettriche ed elettroniche (RAEE)

Si prega di riferirsi al sito Web Matrox (www.matrox.com/environment/weee) per le informazioni di riciclaggio.

FRANCE

Avertissement sur l'épilepsie

À lire avant toute utilisation d'un jeu vidéo par vous-même ou votre enfant Certaines personnes sont susceptibles de faire des crises d'épilepsie ou d'avoir des pertes de conscience à la vue de certains types de lumières clignotantes ou d'éléments fréquents dans notre environnement quotidien. Ces personnes s'exposent à des crises lorsqu'elles regardent certaines images télévisées ou qu'elles jouent à certains jeux vidéo. Ces phénomènes peuvent apparaître alors même que le sujet n'a pas d'antécédent médical ou n'a jamais été confronté à une crise d'épilepsie.

Si vous-même ou un membre de votre famille avez déjà présenté des symptômes liés à l'épilepsie (crise ou perte de conscience) en présence de stimulations lumineuses, veuillez consulter votre médecin avant toute utilisation.

Nous conseillons aux parents d'être attentifs à leurs enfants lorsqu'ils jouent avec des jeux vidéo. Si vous-même ou votre enfant présentez un des symptômes suivants: vertige, trouble de la vision, contraction des yeux ou des muscles, perte de conscience, trouble de l'orientation, mouvement involontaire ou convulsion, veuillez immédiatement cesser de jouer et consultez un médecin.

Précautions à prendre dans tous les cas pour l'utilisation d'un jeu vidéo

- Ne vous tenez pas trop près de l'écran.
- Jouez à bonne distance de l'écran de TV et aussi loin que le permet le cordon de raccordement.
- Utilisez de préférence les jeux de vidéo sur un écran de petite taille.
- Évitez de jouer si vous êtes fatigué ou si vous manquez de sommeil.
- Assurez-vous que vous jouez dans une pièce bien éclairée.
- En cours d'utilisation, faites des pauses de dix à quinze minutes toutes les heures.

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