ENGLISH

Matrox® **TripleHead2Go™**

Digital Edition • DP Edition • Digital SE

User Guide
(Windows® version)

20020-301-0200
2012.10.18

matrox.com/graphics

matrox
Graphics for Professionals

Contents

About this user guide 4
- Using this guide 4
- More information 4

Overview 5
- Hardware supplied 5
- Software available 6
- Installation overview 6

Connecting your TripleHead2Go Digital Edition product 7
- Before you begin 7
- Connecting three monitors 8
- Connecting two monitors 11

Connecting your TripleHead2Go DP Edition product 14
- Before you begin 14
- Connecting three monitors 15
- Connecting two monitors 18

Connecting your TripleHead2Go Digital SE product 21
- Before you begin 21
- Connecting three monitors 22
- Connecting two monitors 25

Connecting a second TripleHead2Go product 28
- Before you begin 28
- Connecting two TripleHead2Go products 29

Installing your Matrox software 32
- Before you begin 32
- Obtaining Matrox PowerDesk software 33
- Installing your Matrox PowerDesk software 33
- Starting the Matrox quick setup utility 33

Matrox PowerDesk software 34
- Accessing PowerDesk 34
- Accessing Matrox PowerDesk help 34

Troubleshooting 35
What to do if you have a problem 35
Common problems and solutions 35

Product information 42
Specifications 42
Environmental 43
Notes 43

Customer support 45
Matrox Web 45
Technical support 45
Driver and software download 46
View your warranty information 46
Register your Matrox product 46

Index 47

About this user guide

Your Matrox user guide provides information on installing and using your Matrox hardware. For information on Matrox PowerDesk software features and options, see the help file included with your PowerDesk software.

> **Note:** This guide has references specific to version 2.07.00 or later of the Matrox software. If you're using a previous version of the Matrox software, certain references in this guide may not reflect the software you have.

Using this guide

This guide assumes you're familiar with basic functions like click, right-click and double-click, and that you're familiar with the basics of the operating system you're using. Also, we use the following conventions:

- **Bold** for headings and for references to text that appears on-screen.
- *Italics* for emphasis, file names, paths, publication titles, and new terms.
- ***Bold Italics*** for emphasis.
- Keyboard keys in square brackets, with a plus sign separating keys that you press simultaneously. For example: press [Ctrl]+[Alt]+[Del] to start Windows Task Manager.
- Arrows ("→") to separate ordered directions. For example, "click **OK** → **Close** → **OK**" is the same as "click **OK**, then click **Close,** then click **OK**".
- Green for cross-references. If you're viewing online, click green text to jump to what's being referenced.

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. Also, check the Matrox Web site (www.matrox.com/graphics) for the latest Matrox software, technical support, and product information.

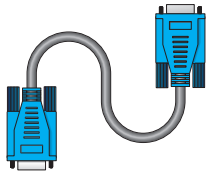
Overview

Thank you for purchasing Matrox TripleHead2Go. This product allows your single-monitor graphics hardware to support up to three monitors at a time. Depending on your Matrox product, you can connect up to three analog, digital, or DisplayPort™ monitors at a time to your Matrox TripleHead2Go product.

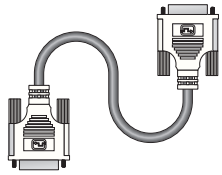
Hardware supplied*

TripleHead2Go Digital Edition

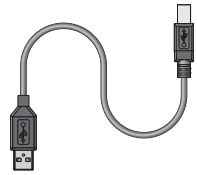
Matrox hardware



Matrox input cable (HD-15 to HD-15)



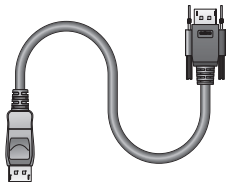
Matrox input cable (DVI to DVI)



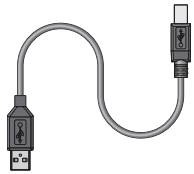
USB cable

TripleHead2Go DP Edition

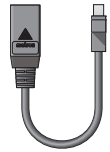
Matrox hardware



Matrox input cable (DisplayPort to DisplayPort)



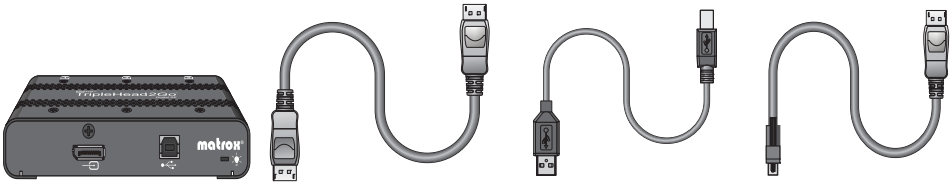
USB cable



Mini DisplayPort to DisplayPort adapter

* The hardware supplied with your Matrox product may vary depending on the SKU or part number of your product. For more information, contact your Matrox representative.

TripleHead2Go Digital SE



Optional hardware (sold separately)

Depending on your connection setup, you may also need any of the following hardware:

- DVI to HD-15 adapter
- DisplayPort to DVI adapter
- Power adapter kit for GXM*

For more information on connecting your product, see the "Connection setup" section for your Matrox product. To purchase any Matrox cables or adapters not included with your Matrox product, see the Matrox online store (shopmatrox.com).

Software available

- **Matrox PowerDesk** – to use your Matrox product. Matrox PowerDesk software supports Windows® 8, Windows® 7, Windows® Vista®, Windows® Server® 2008, Windows® XP, and Windows® Server® 2003. Matrox makes new software available on the Matrox Technical Support Web site (www.matrox.com/graphics/en/support/gxm/software).

Installation overview

To install your Matrox product:

1. Connect your product – see the "Connection setup" section for your Matrox product.
2. Install the software – see "Installing your Matrox software", page 32.

* Required if connecting two TripleHead2Go products at a time. For more information, see "Connecting a second TripleHead2Go product", page 28.

Connecting your TripleHead2Go Digital Edition product

This section describes how to connect up to three (3) analog or digital monitors to your Matrox product.

- To connect three (3) monitors, see "Connecting three monitors", page 8.
- To connect two (2) monitors, see "Connecting two monitors", page 11.

Note: To purchase any cables or adapters not included with your Matrox product, see the Matrox online store (shopmatrox.com).

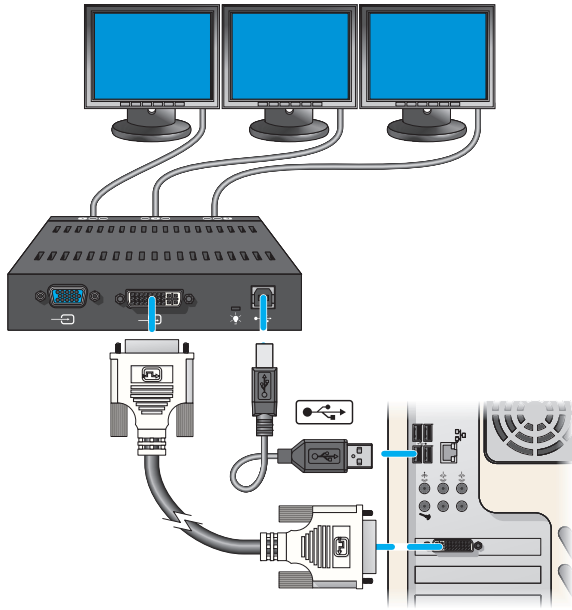
Before you begin

To avoid possible problems that could damage your monitors or prevent you from using your Matrox product, read the following guidelines before connecting your Matrox product.

- Whenever you change your connection setup, make sure you're using the correct connectors and that all connectors are properly fastened.
- 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.
- To get the most out of your Matrox product, we recommend you use three (3) 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.
- While using the DVI input connector on your Matrox product, the highest display resolutions are available only with graphics hardware that supports dual-link DVI. For information on the capabilities of your graphics hardware, see its documentation. For more information on your Matrox product, see "Product information", page 42.

Connecting three monitors

Connection overview



Step-by-step connection setup

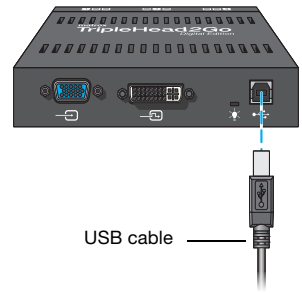
1 Turn off computer

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

2 Connect the USB cable

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

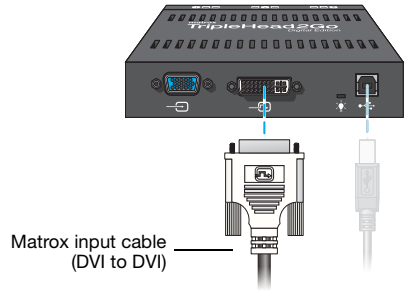
Plug the other end of the USB cable into a powered USB port on your computer. For more information on powered USB ports, see your system manual.



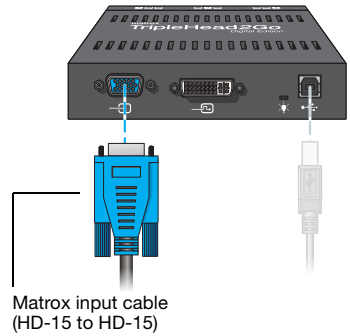
Note: If your computer doesn't have a powered USB port, you'll need a separate adapter. To purchase a Matrox power adapter kit for GXM, see the Matrox online store (shopmatrox.com).

3 Attach the Matrox input cable

If your graphics hardware has a DVI connector, attach one end of the Matrox DVI to DVI cable provided with your Matrox product to the graphics connector on your computer. Attach the other end of the cable to the DVI input connector ( ) on your Matrox product.



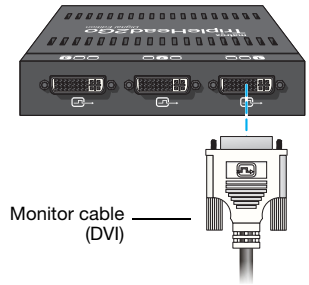
If your graphics hardware has an HD-15 connector, attach one end of the Matrox HD-15 to HD-15 cable provided with your Matrox product to the graphics connector on your computer. Attach the other end of the cable to the HD-15 input connector ( ) on your Matrox product.



4 Connect the first monitor

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

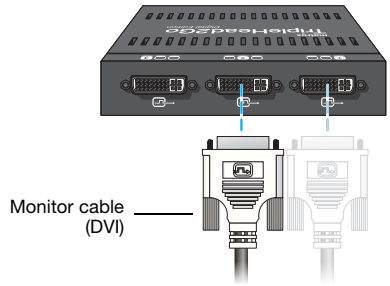
If your monitor has an HD-15 connector, use a DVI to HD-15 adapter (sold separately) to connect your monitor to the connector.



5 Connect the second monitor

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

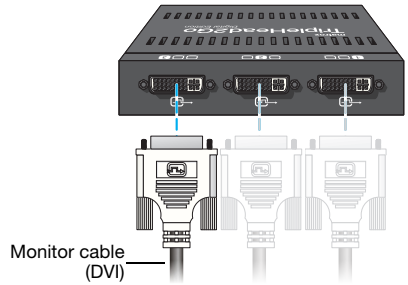
If your monitor has an HD-15 connector, use a DVI to HD-15 adapter (sold separately) to connect your monitor to the connector.



6 Connect the third monitor

If your monitor has a DVI connector, use your monitor cable to connect your third monitor directly to the third connector (🖵🖵3) on your Matrox product.

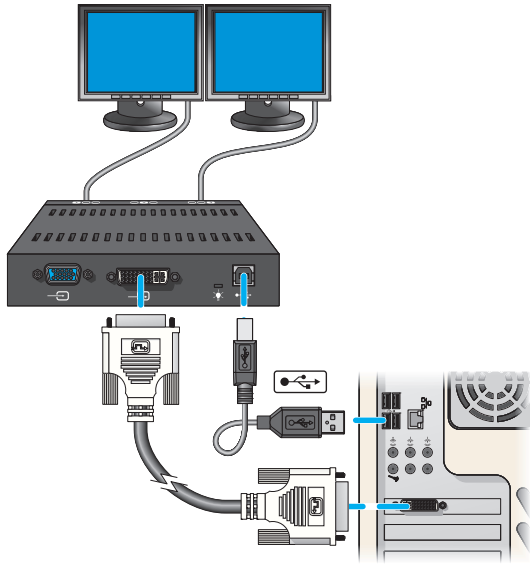
If your monitor has an HD-15 connector, use a DVI to HD-15 adapter (sold separately) to connect your monitor to the connector.



Your Matrox product is now connected. Restart your computer and install your Matrox software (see "Installing your Matrox software", page 32).

Connecting two monitors

Connection overview



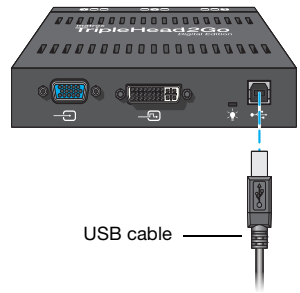
Step-by-step connection setup

1 Turn off computer

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

2 Connect the USB cable

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

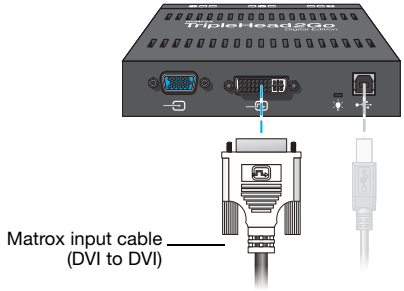


Plug the other end of the USB cable into a powered USB port on your computer. For more information on powered USB ports, see your system manual.

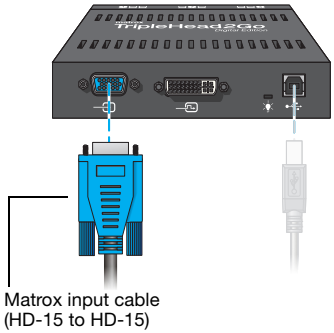
Note: If your computer doesn't have a powered USB port, you'll need a separate adapter. To purchase a Matrox power adapter for your product, see the Matrox online store (shopmatrox.com).

3 Attach the Matrox input cable

If your graphics hardware has a DVI connector, attach one end of the Matrox DVI to DVI cable provided with your Matrox product to the graphics connector on your computer. Attach the other end of the cable to the DVI input connector (—⊡) on your Matrox product.



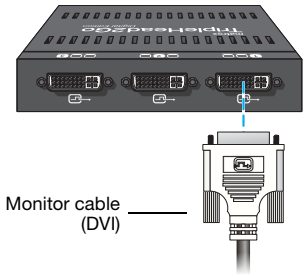
If your graphics hardware has an HD-15 connector, attach one end of the Matrox HD-15 to HD-15 cable provided with your Matrox product to the graphics connector on your computer. Attach the other end of the cable to the the HD-15 input connector (—⊡) on your Matrox product.



4 Connect the first monitor

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

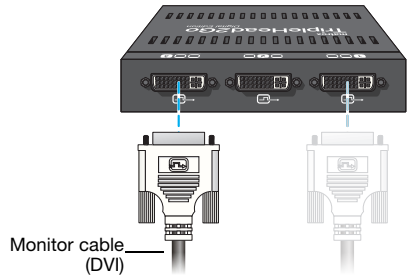
If your monitor has an HD-15 connector, use a DVI to HD-15 adapter (sold separately) to connect your monitor to the connector.



5 Connect the second monitor

If your monitor has a DVI connector, use your monitor cable to connect your second monitor directly to the third connector (🖵🖵3) on your Matrox product.

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



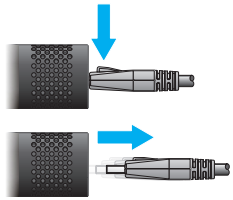
Your Matrox product is now connected. Restart your computer and install your Matrox software (see "Installing your Matrox software", page 32).

Connecting your TripleHead2Go DP Edition product

This section describes how to connect up to three (3) DisplayPort or digital (DVI) monitors to your Matrox product.

- To connect three (3) monitors, see "Connecting three monitors", page 15.
- To connect two (2) monitors, see "Connecting two monitors", page 18.

WARNING: To avoid damaging the DisplayPort connector on your DisplayPort monitor cable or on your Matrox product, carefully remove the DisplayPort cable by pressing the latch on the top of the DisplayPort connector while removing the connector.



Note: To purchase any cables or adapters not included with your Matrox product, see the Matrox online store (shopmatrox.com).

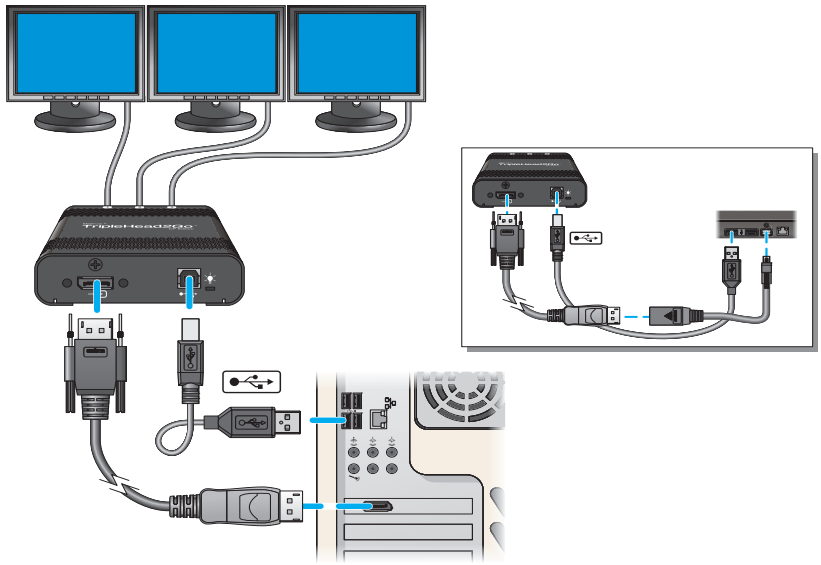
Before you begin

To avoid possible problems that could damage your monitors or prevent you from using your Matrox product, read the following guidelines before connecting your Matrox product.

- Whenever you change your connection setup, make sure you're using the correct connectors and that all connectors are properly fastened.
- 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.
- To get the most out of your Matrox product, we recommend you use three (3) 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.

Connecting three monitors

Connection overview



Step-by-step connection setup

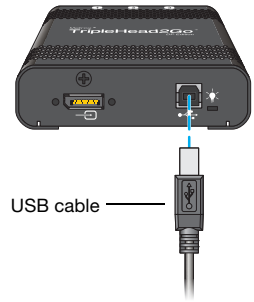
1 Turn off computer

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

2 Connect the USB cable

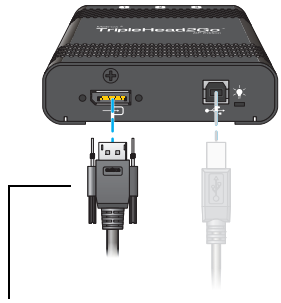
Plug one end of the USB cable provided with your Matrox product into the USB connector (•<) on your Matrox product.

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.

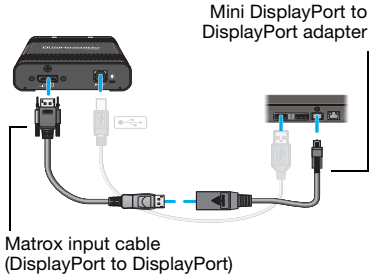


3 Attach the Matrox input cable

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

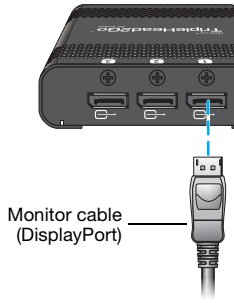


Laptops with mini DisplayPort connector – Attach one end of the mini DisplayPort to DisplayPort adapter to the DisplayPort connector on your Matrox input cable. Attach the other end of the adapter to the mini DisplayPort graphics connector on your laptop computer.

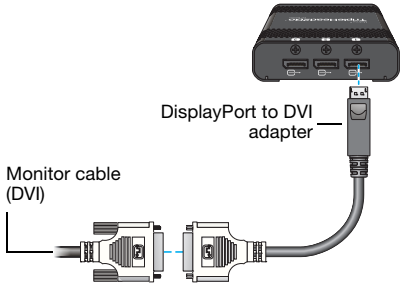


4 Connect the first monitor

Use your monitor cable to connect your first monitor directly to the first connector (1) on your Matrox product.

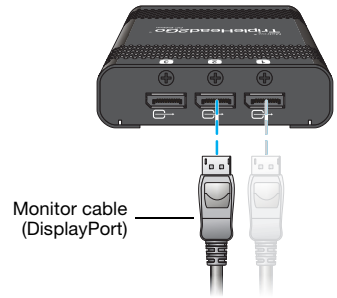


If your monitor has a DVI connector, use a DisplayPort to DVI adapter (sold separately) to connect your monitor to the connector.

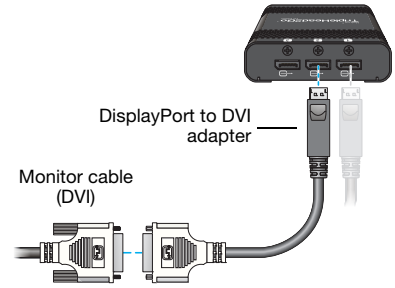


5 Connect the second monitor

Use your monitor cable to connect your second monitor directly to the second connector (2) on your Matrox product.

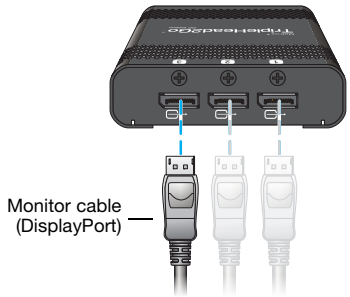


If your monitor has a DVI connector, use a DisplayPort to DVI adapter (sold separately) to connect your monitor to the connector.

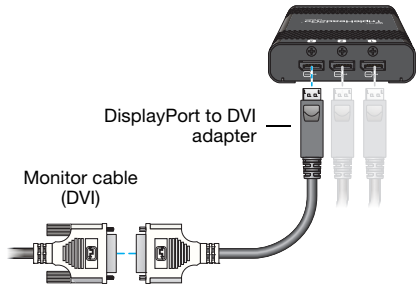


6 Connect the third monitor

Use your monitor cable to connect your third monitor directly to the third connector (3) on your Matrox product.



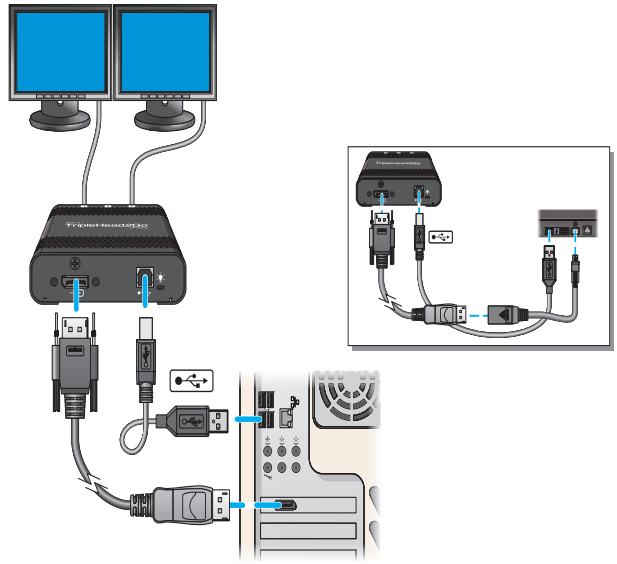
If your monitor has a DVI connector, use a DisplayPort to DVI adapter (sold separately) to connect your monitor to the connector.



Your Matrox product is now connected. Restart your computer and install your Matrox software (see "Installing your Matrox software", page 32).

Connecting two monitors

Connection overview



Step-by-step connection setup

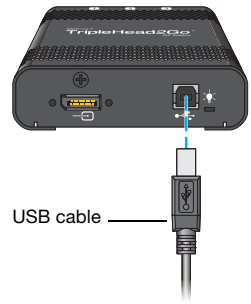
1 Turn off computer

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

2 Connect the USB cable

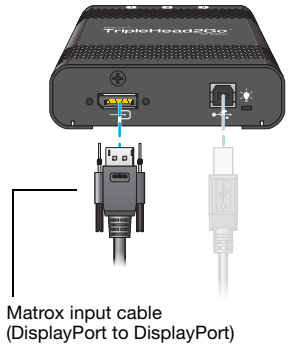
Plug one end of the USB cable provided with your Matrox product into the USB connector (•<) on your Matrox product.

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.

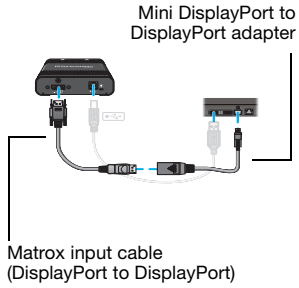


3 Attach the Matrox input cable

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

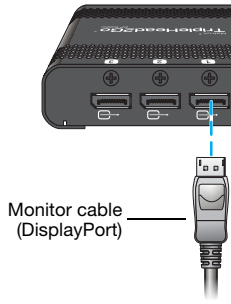


Laptops with mini DisplayPort connector – Attach one end of the mini DisplayPort to DisplayPort adapter (sold separately) to the DisplayPort connector on your Matrox input cable. Attach the other end of the adapter to the mini DisplayPort graphics connector on your laptop computer.

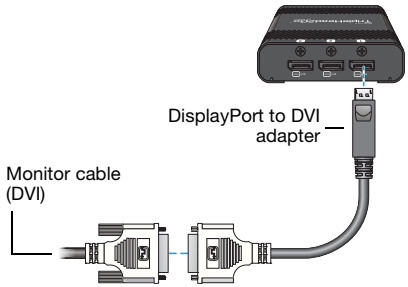


4 Connect the first monitor

Use your monitor cable to connect your first monitor directly to the first connector (1) on your Matrox product.

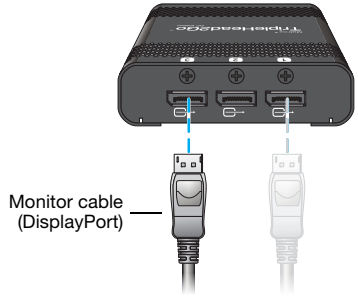


If your monitor has a DVI connector, use a DisplayPort to DVI adapter (sold separately) to connect your monitor to the connector.

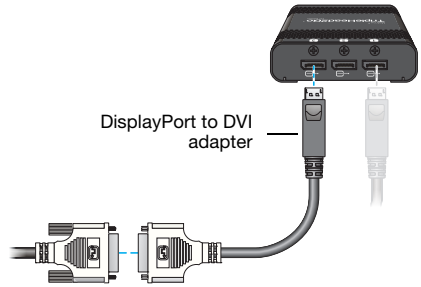


5 Connect the second monitor

Use your monitor cable to connect your second monitor directly to the third connector (2) on your Matrox product.



If your monitor has a DVI connector, use a DisplayPort to DVI adapter (sold separately) to connect your monitor to the connector.



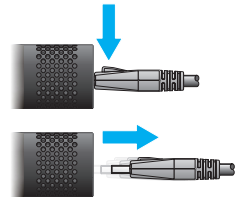
Your Matrox product is now connected. Restart your computer and install your Matrox software (see "Installing your Matrox software", page 32).

Connecting your TripleHead2Go Digital SE product

This section describes how to connect up to three (3) digital (DVI-D) monitors to your Matrox product.

- To connect three (3) monitors, see "Connecting three monitors", page 22.
- To connect two (2) monitors, see "Connecting two monitors", page 25.

WARNING: To avoid damaging the DisplayPort connector on your DisplayPort monitor cable or on your Matrox product, carefully remove the DisplayPort cable by pressing the latch on the top of the DisplayPort connector while removing the connector.



Note: To purchase any Matrox cables or adapters not included with your product, see the Matrox online store (shopmatrox.com).

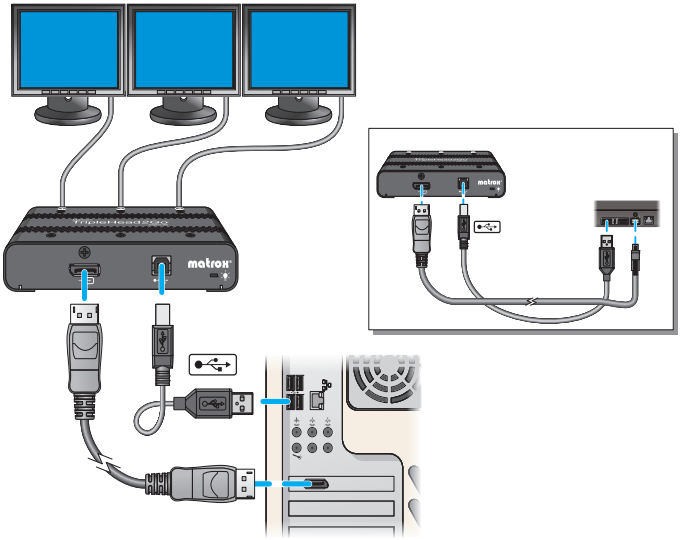
Before you begin

To avoid possible problems that could damage your monitors or prevent you from using your Matrox product, read the following guidelines before connecting your Matrox product.

- Whenever you change your connection setup, make sure you're using the correct connectors and that all connectors are properly fastened.
- 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.
- To get the most out of your Matrox product, we recommend you use three (3) 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.

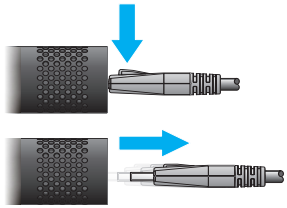
Connecting three monitors

Connection overview



Step-by-step connection setup

WARNING: To avoid damaging the DisplayPort connector on your DisplayPort monitor cable or on your graphics hardware, carefully remove the DisplayPort cable by pressing the latch on the top of the DisplayPort connector while removing the connector.



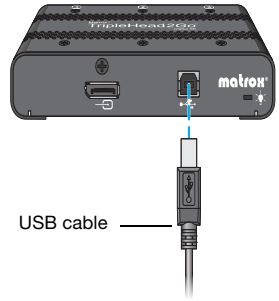
1 Turn off computer

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

2 Connect the USB cable

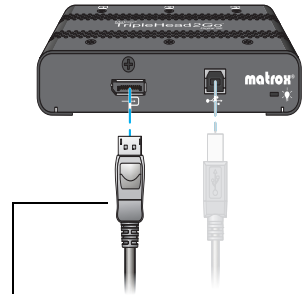
Plug one end of the USB cable provided with your Matrox product into the USB connector (•<) on your Matrox product.

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.

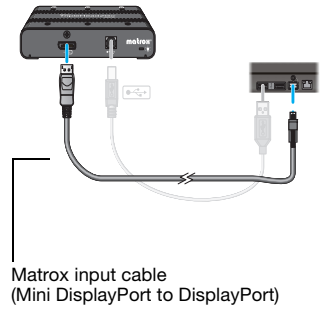


3 Attach the Matrox input cable

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



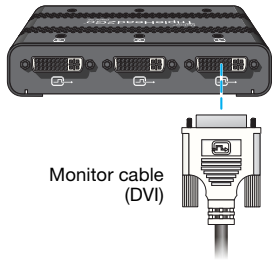
Laptops with mini DisplayPort connector – Attach one end of the mini DisplayPort to DisplayPort cable to the DisplayPort connector on your Matrox input cable. Attach the other end of the cable to the mini DisplayPort graphics connector on your laptop computer.



Note: To avoid problems related to image quality, make sure the DisplayPort connection to your graphics hardware is firmly in place.

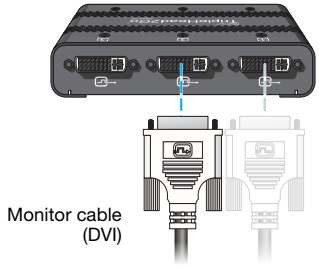
4 Connect the first monitor

Connect the DVI connector on your monitor cable directly to the first connector (1) on your Matrox product.



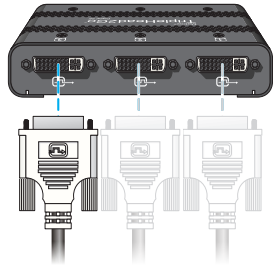
5 Connect the second monitor

Connect the DVI connector on your monitor cable directly to the second connector (2) on your Matrox product.



6 Connect the third monitor

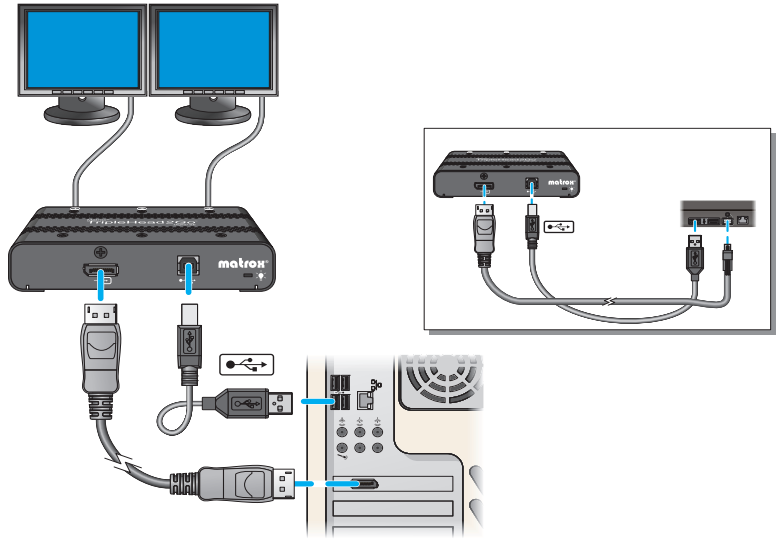
Connect the DVI connector on your monitor cable directly to the third connector (3) on your Matrox product.



Your Matrox product is now connected. Restart your computer and install your Matrox software (see "Installing your Matrox software", page 32).

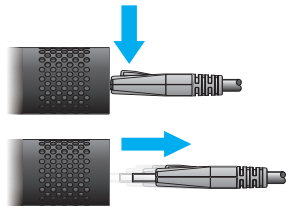
Connecting two monitors

Connection overview



Step-by-step connection setup

WARNING: To avoid damaging the DisplayPort connector on your DisplayPort monitor cable or on your graphics hardware, carefully remove the DisplayPort cable by pressing the latch on the top of the DisplayPort connector while removing the connector.



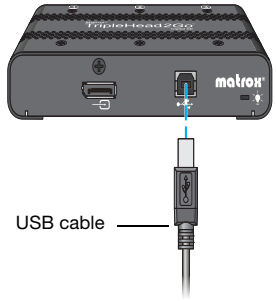
1 Turn off computer

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

2 Connect the USB cable

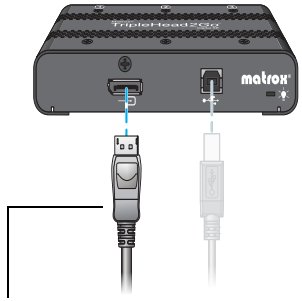
Plug one end of the USB cable provided with your Matrox product into the USB connector ( ) on your Matrox product.

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.

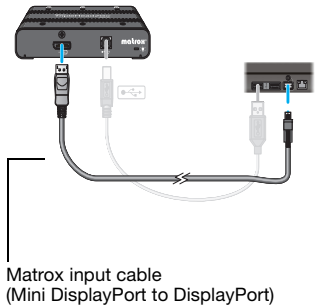


3 Attach the Matrox input cable

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



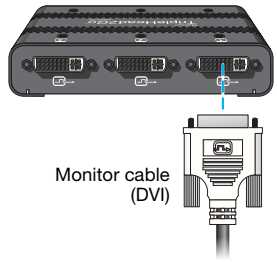
Laptops with mini DisplayPort connector – Attach one end of the mini DisplayPort to DisplayPort cable to the DisplayPort connector on your Matrox input cable. Attach the other end of the cable to the mini DisplayPort graphics connector on your laptop computer.



Note: To avoid problems related to image quality, make sure the DisplayPort connection to your graphics hardware is firmly in place.

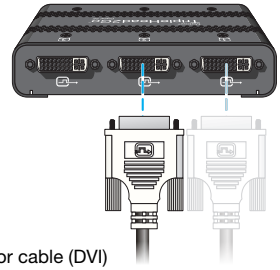
4 Connect the first monitor

Connect the DVI connector on your monitor cable directly to the first connector (1) on your Matrox product.



5 Connect the second monitor

Connect the DVI connector on your monitor cable directly to the third connector (2) on your Matrox product.



Your Matrox product is now connected. Restart your computer and install your Matrox software (see "Installing your Matrox software", page 32).

Connecting a second TripleHead2Go product

If you want to further expand your desktop, you can connect a second TripleHead2Go product to your graphics hardware to support up to six monitors at a time.

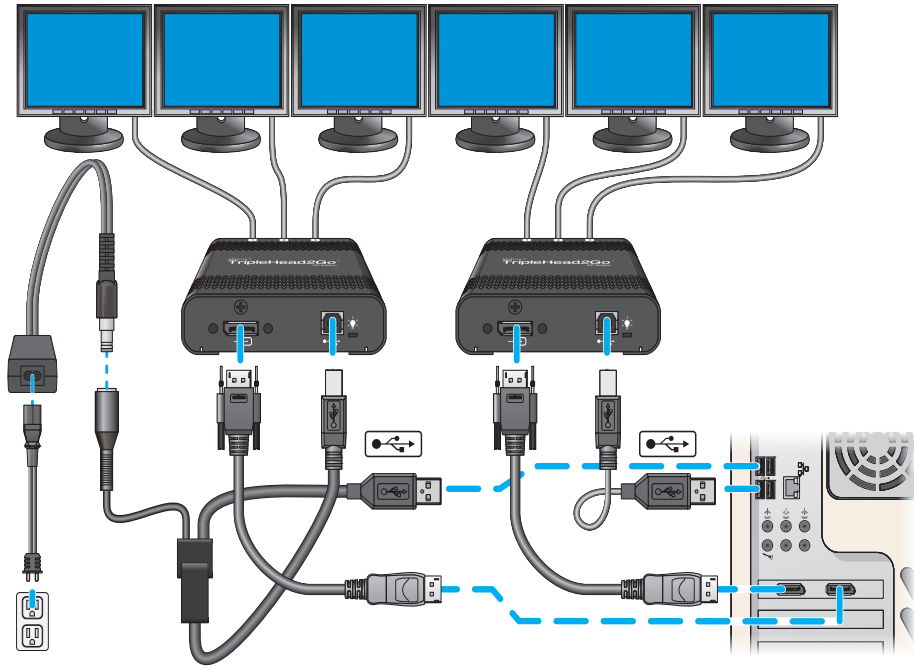
Note: The following provides a brief overview of how to connect a second TripleHead2Go product to your graphics hardware. For more detailed information, see the "Step-by-step connection setup" for your product.

Before you begin

- Only two Matrox TripleHead2Go products at a time can be connected to your computer.
- Connecting two Matrox TripleHead2Go products at a time requires an external power supply. To purchase a Matrox power adapter kit for GXM, see the Matrox online store (shopmatrox.com).
- To connect a second TripleHead2Go product, you must have a dual-monitor graphics card or a second graphics card installed in your system. You can connect a second TripleHead2Go either to another connector on your graphics card or to a connector on a second graphics card installed in your system.
- Support for multiple TripleHead2Go products is limited to desktop computers.
- You can only use two TripleHead2Go products from the same series (for example, you can use two TripleHead2Go DP Edition products, but you can't use a TripleHead2Go Digital Edition product and a TripleHead2Go DP Edition product).

Connecting two TripleHead2Go products

Connection overview



(TripleHead2Go DP Edition shown)

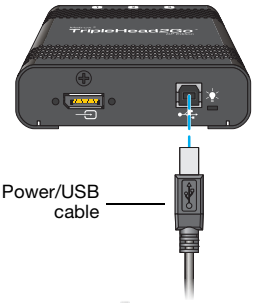
Step-by-step connection setup

1 Turn off computer

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

2 Connect the Power/USB cable

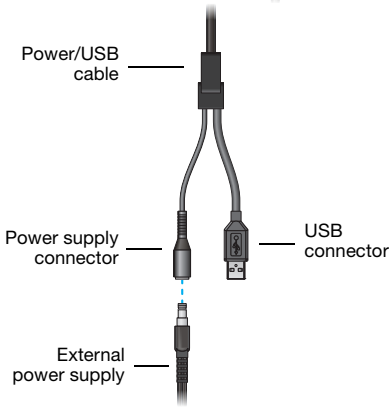
Plug one end of the Power/USB cable into the USB connector ( ) on your Matrox product.



Plug the USB connector into a USB port on your computer.

Plug the power supply connector of the Power/USB cable into the external power supply.

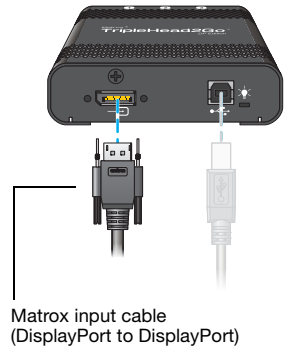
Finally, plug the power supply cord into an electrical outlet.



3 Attach the Matrox input cable

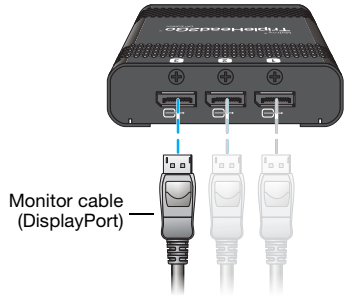
Attach one end of the input cable either to a second connector on your graphics card or to a connector on a second graphics card installed in your system.

Attach the other end of the cable to the input connector on your second DualHead2Go product.



4 Connect the monitors

Use your monitor cables to connect each monitor directly to the connectors labeled (1), (2), and (3) on your Matrox product.



For more information, see the “Step-by-step connection setup” for your product.

Installing your Matrox software

This section describes how to install Matrox software for ***Windows 8***, ***Windows 7***, ***Windows Vista***, ***Windows Server 2008***, ***Windows XP***, and ***Windows Server 2003***.

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

Before you begin

If Matrox software is already installed on your system, you need to uninstall the software currently installed.

Windows 8/7/Vista/XP – To uninstall Matrox software:

Windows 8 –

1. Click **Settings** → **Control Panel** → **Programs** → **Programs and Features** → **Uninstall a program** → **Matrox PowerDesk** (or **Matrox PowerDesk-SE**) → **Uninstall** → **Yes**.
2. Restart your computer for the changes to take effect.

Windows 7/Vista –

1. Click **Start** → **Settings*** → **Control Panel** → **Programs*** → **Programs and Features** → **Matrox PowerDesk** (or **Matrox PowerDesk-SE**) → **Uninstall** → **Yes**. (* Depending on your version and configuration of Windows, this part of the step may not be necessary.)
2. Restart your computer for the changes to take effect.

Windows XP –

1. Click **Start** → **Settings*** → **Control Panel** → **Add/Remove Programs** (double-click*) → **Matrox PowerDesk** (or **Matrox PowerDesk-SE**) → **Change/Remove** → **Yes**. (* Depending on your version and configuration of Windows, this part of the step may not be necessary.)
2. Restart your computer for the changes to take effect.

Obtaining Matrox PowerDesk software

Matrox makes the latest display drivers available on the Matrox Technical Support Web site (www.matrox.com/graphics/en/support/drivers).

Installing your Matrox PowerDesk software

Insert the Matrox CD-ROM in your CD-ROM drive, then follow the on-screen instructions.

Starting the Matrox quick setup utility

Note: The Matrox quick setup utility is available only on TripleHead2Go Digital Edition and TripleHead2Go DP Edition products.

Matrox provides an easy way for you to set up and configure your Matrox product. The quick setup utility starts automatically after you install your PowerDesk software.

Matrox PowerDesk software

Matrox PowerDesk software helps you get the most out of your Matrox product. Use Matrox PowerDesk software to change certain display settings or access Matrox features.

Note: To avoid possible problems, unless otherwise specified, we recommend you use *only* PowerDesk software to change your display settings.

Accessing PowerDesk

Windows 8/7/Vista/XP – To access Matrox PowerDesk:

Windows 8 –

- Click the **Start** menu, then select **Matrox PowerDesk**.
- Right-click your Windows desktop and select **Launch Matrox PowerDesk**.

Windows 7/Vista/XP –

- Click **Start** → **All programs** (or **Programs**) → **Matrox Graphics** → **Matrox PowerDesk**.
- Right-click your Windows desktop and select **Launch Matrox PowerDesk**.

Accessing Matrox PowerDesk help

For information on Matrox PowerDesk software features and options, see the help file included with your PowerDesk software.

While using Matrox PowerDesk software, you can access the help file in several ways:

- From the main PowerDesk interface, click **Help and Troubleshooting** → **PowerDesk help**.
- For information on a specific feature or control on a page, click the **Help** button () on that page.
- To find all topics that contain specific words, use the **Search** tab in the navigation window of the help file.

Troubleshooting

What to do if you have a problem

If you experience problems with your Matrox product:

- Make sure your Matrox product is properly installed, you're using the correct connectors, and all connectors are properly fastened. For more information, see the "Connection setup" section for your product.
- Review the documentation provided with your Matrox product, including the information in this section, to see if your problem is already addressed.
- After making any changes to your system (such as changing your graphics hardware or display driver version), we recommend you check the compatibility of your system by running the *GXM System Compatibility Tool*. For the latest compatibility information, see the Matrox Web site (www.matrox.com/graphics/en/support/gxm_main).

If your problem persists, contact Matrox. For more information, see "Customer support", page 37.

Common problems and solutions

This section addresses common problems that could prevent you from using your computer or graphics hardware.

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. For more information, see the "Connection setup" section for your product.

Solution Try reconnecting your monitors, power supply cable, or USB cable.

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 "Product information", page 42.

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 "Product information", page 42.

Solution Make sure your Matrox product supports your graphics hardware.

Problem No power indicator light (black)

Cause Your power supply cable or USB cable may not be properly connected.

(TripleHead2Go DP Edition shown)

Solution Make sure your power supply cable or USB cable are properly connected.

Cause **TripleHead2Go Digital Edition only** – 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.

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 "Product information", page 42.

Cause There may be unsupported graphics hardware in your computer.

Solution Make sure your Matrox product supports your graphics hardware by running the *GXM System Compatibility Tool.* For the latest compatibility information, see the Matrox Web site (www.matrox.com/graphics/en/support/gxm_main).

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 (see "Accessing PowerDesk", page 34).

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

1 Restart your computer in VGA mode.

a **Windows 8** – Click **Settings** → **Power**, then select **Restart** to restart your computer.

Windows 7 – Click **Start**, point to the arrow ( ), then select **Restart** to restart your computer.

Windows Vista/XP – 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 video"), then press [Enter].

Note: If your system stops responding while it's in VGA mode, select "Safe mode" instead.

2 Change your display resolution:

Windows 8/7 –

a Right-click your Windows desktop background, then click **Screen resolution**.

b Next to **Resolution** , select 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, 2400 × 600), 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, 2400 × 600), then click **OK**.

3 Restart your computer normally.

Problem Desktop isn't stretched across monitors (one of your displays is blank)

Cause A stretched display mode may not be selected. If you're not using a stretched display mode (or if your display mode is too low), the display may use only a portion of your desktop.

Solution Select a stretched display mode:

1 Access the Matrox PowerDesk main interface (see "Accessing PowerDesk", page 28).

2 Click **Multi-Display Setup**.

3 From the **Resolution** list, select a stretched display mode. (Depending on your product, stretched display modes may be labeled "**2 × 1**" or "**3 × 1**".)

For more information, see Matrox PowerDesk help.

Cause **Laptop users only** – Your secondary display may not be enabled in Windows.

Solution Make sure your display is enabled:

Windows 8/7 –

1 Right-click your Windows desktop background, then click **Screen resolution**.

2 Select any disabled display, choose **Extend these displays**, 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**.

Windows 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**.

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 are unavailable

Cause **TripleHead2Go Digital Edition only** – While using the DVI input connector on your Matrox product, the highest display resolutions are available only with graphics hardware that supports dual-link DVI.

Solution If your graphics hardware has an HD-15 connector, use this connector instead.

Solution If your graphics hardware has only a DVI connector, use a DVI to HD-15 adapter to connect your graphics hardware to the HD-15 input connector on your Matrox product. To purchase a Matrox DVI to HD-15 adapter for your product, see the Matrox online store (shopmatrox.com).

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 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 identical monitors while using Matrox TripleHead2Go.

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 TripleHead2Go, gamma correction for each monitor isn't supported.

Cause Your monitors may not be properly connected.

Solution Make sure all connectors are properly fastened.

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

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 a 16-bit color palette instead.

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.

For more information, see Matrox PowerDesk help.

Problem 3D programs don't work

Cause While using display resolutions above 2048 × 1536, certain graphics hardware may not properly support 3D acceleration.

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

Problem After game starts, monitor doesn't display properly

Cause You may not be using *Matrox Surround Gaming Utility* to run your game.

Solution Try using *Matrox Surround Gaming Utility* to run your game. This utility configures your game to run properly with your Matrox product.

Product information

Specifications

	TripleHead2Go Digital Edition	TripleHead2Go DP Edition	TripleHead2Go Digital SE
Key features	Supports notebook and desktop computers · Bezel Management · Surround Gaming · *Stretched* modes · Wide-screen resolutions		
Supported operating systems	Windows 8, Windows 7, Windows Vista, Windows Server 2008, Windows XP, and Windows Server 2003		
Supported resolutions*	3840 × 1024† @ 60 Hz 3072 × 768 @ 60 Hz 2400 × 600 @ 60 Hz 1920 × 480 @ 60 Hz	4080 × 768 @ 60 Hz 3840 × 1024 @ 60 Hz 3072 × 768 @ 60 Hz 2400 × 600 @ 60 Hz	4080 × 768 @ 60 Hz 3840 × 1024 @ 60 Hz 3072 × 768 @ 60 Hz 2400 × 600 @ 60 Hz
Input connectors	1× DVI-DL ***or*** 1× HD-15	1× DisplayPort	1× DisplayPort
Output connectors	3× DVI-I	3× DisplayPort	3× DVI-D
Analog monitor support	✓‡	—	—
Digital (DVI) monitor support	✓	✓‡	✓‡
DisplayPort monitor support	—	✓	✓
Multi-GXM support	✓	✓	✓
Clone mode support	—	✓	✓
HDCP compliant	—	—	✓
Power supply	USB	USB and DisplayPort	USB and DisplayPort
Dimensions	4.4" × 5.5" × 1.1" (11.3 cm × 14 cm × 2.8 cm)	3.5" × 3.54" × 1.1" (8.9 cm × 9 cm × 2.8 cm)	5.25" × 2.5" × 1.1" (13.34 cm × 6.35 cm × 2.8 cm)

* Your Matrox product ships with four default display modes. For TripleHead2Go Digital Edition and TripleHead2Go DP Edition products, additional display modes are available through Matrox PowerDesk software. For more information, see Matrox PowerDesk help.

† Available only with graphics hardware that supports HD-15 or dual-link DVI connections.

‡ Requires adapter (sold separately). To purchase an adapter for your Matrox product, see the Matrox online store (shopmatrox.com).

Environmental

Temperature, operational	5 to 45 °C (41 to 113 °F) (near box ambient)
Temperature, non-operational storage and transportation	-40 to 70 °C (-40 to 158 °F)
Humidity, operational (indoor)	20 to 80% (non-condensing)
Humidity, non-operational storage and transportation	5% to 95% (non-condensing)
Atmospheric pressure, operational	650hPa (3,580 meters / 11,745 feet) to 1013hPa (0 meters / 0 feet)
Atmospheric pressure, non-operational and transportation	192hPa (12,000 meters / 39,370 feet) to 1020hPa (-50 meters / -164 feet)

Notes

- For the latest compatibility information, see the Matrox Web site (www.matrox.com/graphics/en/support/gxm_main).
- 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.
- **TripleHead2Go Digital Edition only** – While using the DVI input connector on your Matrox product, the highest display resolutions are available only with graphics hardware that supports dual-link DVI.
- **TripleHead2Go Digital Edition only** – While using graphics hardware that supports only single-link DVI output, the maximum display resolution is 2048 × 768 at 60 Hz in DualHead mode and 2400 × 600 at 60 Hz in TripleHead mode.
- Certain Intel® integrated chipsets aren't supported with Matrox TripleHead2Go.
- While using display resolutions above 2048 × 1536, certain graphics hardware may not properly support 3D acceleration. For information on the capabilities of your graphics hardware, see its documentation.
- **TripleHead2Go DP Edition only** – In *clone mode*, your Matrox product supports a maximum display resolution of 2560 × 1600 while using DisplayPort output and 1920 × 1200 while using DVI output.
- **TripleHead2Go Digital SE** – In *clone mode*, your Matrox product supports a maximum display resolution of 1920 × 1200.

- While using some graphics hardware and software, certain limitations may apply. For information on the capabilities of your graphics hardware, see its documentation.
- To get the most of your Matrox product, we recommend you use 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 TripleHead2Go, using software-based *On-Screen Display* (OSD) controls to adjust the image quality of your monitors isn't supported.
- While adjusting your image quality, your displays may become blank for a few seconds.
- While an unsupported display mode is selected, your displays may be unusable.

Customer support

Matrox Web

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.

Technical support

Matrox values your business and offers professional support for your Matrox product.

If your product was purchased through a Matrox dealer, contact your dealer for product support. This is the quickest and most effective method of technical assistance. Your dealer is familiar with your complete system.

If your product was purchased through Matrox, 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 card serial number, model number, revision number, BIOS number, driver type and version, and memory address at which the Matrox card is installed.
- Computer brand and model name.
- Monitor brand and model name.
- Operating system, version, and service pack.
- Brand and model of any other cards and devices installed on your system.

Program specific problems

If a problem appears with a specific program, please give us the following information:

- Display settings (color palette, display resolution, and so on) applied when the problem occurs.
- If possible, take note of the file and segment address that caused the problem.
- Detailed steps known to cause the bug, so we can reproduce it.

Driver and software download

A more recent display driver may support more features and may offer increased capabilities (such as higher display resolutions). Matrox makes the latest display drivers, software, and system utilities available on the Matrox Technical Support Web site (www.matrox.com/graphics/en/support/drivers).

View your warranty information

Matrox makes warranty information available on the Matrox site (www.matrox.com/graphics/en/about/warranty).

Register your Matrox product

Please register online (www.matrox.com/graphics/en/registration) to be eligible for customer support, new product announcements, and information on special offers and upcoming events.

Index

C

CD-ROM, Matrox 33
Clone mode 42
Connection setup
  Digital Edition 7–13
  Digital SE 21–25
  DisplayPort 22, 25
  DP Edition 14–20
Connector
  DisplayPort 14, 16, 19, 21, 22, 25, 42
  DVI 24, 27, 42
  HD-15 42
Customer support 45–46

D

Digital SE 21–25
DisplayPort to DVI adapter 6

E

Environmental
  Specifications 43

H

Hardware (sold separately) 6
  DVI to HD-15 adapter 6
Hardware supplied
  Mini DisplayPort to DisplayPort cable 6
  USB cable 5, 6
HDCP 42
Help file 4, 34

I

Installation
  Overview 7, 14, 28

M

Matrox power adapter kit 9
Matrox power adapter kit for GXM 28
Monitor
  Connection setup 7–13, 14–20, 21–25
  Settings 41
Multi-GXM 28, 42

P

Power adapter kit 6
Power indicator 36
Power supply 42
  Connection 23, 26, 30, 36
PowerDesk 6, 34
  Accessing 34
  Help 4, 34
Product
  Information 42–44

Q

Quick setup utility 33

R

Registration 46

S

Software
  Download 33, 46
  Installation 32
  Quick setup 33
  Setup wizard 33
  Uninstalling 32
Specifications
  Environmental 43
Stretched mode 38
Surround Gaming Utility 41
System Compatibility Tool 35

T

Technical support 45
Troubleshooting 35–41

U

USB
  Cable 8, 11, 15, 18, 23, 26, 30, 36
  Powered port 8, 12, 15, 18, 23, 26, 30, 36

W

Warning 14, 21
Warranty 46
Web, Matrox 4, 45

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.

この装置は、クラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。
取扱説明書に従って正しい取り扱いをして下さい。 VCCI－B

KOREA

KCC 전자파 적합 등록 안내 (Class B)

이 기기는 가정용 (B 급) 으로 전자파적합등록을 한 기기로 주거 지역에서는 물론 모든 지역에서 사용할 수 있습니다 .

EUROPE

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

Remark for the Matrox hardware products supported by this guide These devices comply with EC Directive 2004/108/EC 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 2004/108/EC 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 2004/108/EC 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 2004/108/EC 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 2004/108/EC 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.

ROVI CORPORATION

(English) This item incorporates copy protection technology that is protected by U.S. patent(s) and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly are prohibited.

(Français) Ce produit intègre une technologie de protection des droits d'auteur qui est protégée par un ou plusieurs brevets américains et par d'autres droits de propriété intellectuelle de Rovi Corporation. L'ingénierie inverse et le désassemblage sont interdits.

(Deutsch) Dieses Produkt enthält Kopierschutztechnologien, die durch US-Patent(e) und andere Rechte am geistigen Eigentum der Rovi Corporation geschützt ist. Reverse Engineering und Demontage sind verboten.

(Italiano) Questo prodotto incorpora la tecnologia di protezione di copia protetta da uno o più brevetti USA e da altri diritti di proprietà intellettuale di Rovi Corporation. È vietato decodificare o disassemblare il prodotto.

(Español) Este producto incorpora tecnología de protección de copia que está protegida por patente(s) de EE. UU. y por otros derechos de propiedad intelectual de Rovi Corporation. La ingeniería inversa y el desmontaje están prohibidos.

EUROPE

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

Please refer to the Matrox Web site (www.matrox.com/environment/en/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/en/weee) pour l'information concernant le recyclage.

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

Bitte wenden Sie sich an der Matrox-Website (www.matrox.com/environment/en/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/en/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.

Copyright © 2012 Matrox Graphics Inc. • (English) All rights reserved. • (Français) Tous droits réservés. • (Deutsch) Alle Rechte vorbehalten. • (Italiano) Tutti i diritti riservati. • (Español) Reservados todos los derechos.

Trademarks • Marques déposées • Warenzeichen • Marchi registrati • Marcas registradas

Matrox Electronic Systems Ltd. /

Matrox Graphics Inc.	Matrox®, DualHead®, ASM™, ATC™, AuroraVX3mp™, AuroraVX™, Avio™, DFC™, DLC™, DualHead2Go™, Epica™, Equinox™, Extio™, G400™, G450™, G550™, GXM™, ICP™, Marvel™, MED2mp™, MED2mp-DVI™, MED3mp-DVI™, MED4mp™, MED5mp-DVI™, MED5mp™, Millennium™, MMS™, Multi-Monitor Series™, MultiDesk™, Mura™, MuraControl™, Mura MPX™, Mystique™, P650™, P650™ Low-profile, P690™, P750™, Parhelia™, Parhelia™ APVe, Parhelia-512™, Parhelia-LX™, Parhelia HR256™, PJ4OLP™, QID™, Quad Information Display™, RAD™, Quick Connect™, MaxVIEW™, MGA™, MGA-G100™, MGA-G200™, Onyx™, PixelTOUCH™, PrecisionCAD™, Precision SGT™, QuickDesk™, RAD2mp™, RAD3mp™, RAD9mp™, RADQ2mp™, Rainbow Runner®, TheatreVUE™, TripleHead™, TripleHead2Go™, VDA™, Veos™, Xenia™
Adobe Systems Inc.	Acrobat®, Reader®
Apple Computer, Inc.	App Store®, Apple®, iPad®, Mac®, Mac OS®
Belden Inc.	Belden®
Cisco Systems Inc.	iOS®
Dolby Laboratories, Inc.	Dolby®, Dolby Digital®
Intel Corporation	Intel®, Pentium®, Thunderbolt™
Linus Torvalds	Linux®
Microsoft Corporation	Aero®, Direct3D®, DirectDraw®, DirectShow™, DirectX™, Microsoft®, MS-DOS®, PowerPoint®, Windows®, Windows NT®, Windows Server®, Windows Vista®
PCI-SIG	PCI™, PCI-X®, PCIe®, PCI Express®
Radio Corporation of America	RCA®
Rovi Corporation	Macrovision®
Silicon Graphics, Inc.	OpenGL®
Silicon Image, Inc.	PanelLink™, TMDS®
U.S. Environmental Protection Agency	ENERGY STAR®
Video Electronics Standards Association	DisplayPort™

• (English) Registered trademarks are registered in the United States, Canada, and/or other countries. All other nationally and internationally recognized trademarks and tradenames are hereby acknowledged. • (Français) Les marques déposées sont déposées aux États-Unis, au Canada et/ou dans d'autres pays. Toutes les autres marques et tous les autres noms déposés reconnus nationalement ou internationalement sont également reconnus par les présentes. • (Deutsch) Die eingetragenen Warenzeichen sind in den USA, Kanada und/oder anderen Ländern registriert. Alle sonstigen national und international bekannten Warenzeichen und Produktnamen werden hiermit anerkannt. • (Italiano) I marchi registrati sono registrati negli Stati Uniti, in Canada e/o in altri paesi. Tutti gli altri marchi registrati e nomi commerciali riconosciuti a livello nazionale e internazionale sono ugualmente riconosciuti qui. • (Español) Las marcas registradas están registradas en los EE.UU., Canadá u otros países. Por medio del presente se reconocen todas las demás marcas y nombres comerciales reconocidos a nivel nacional e internacional.

(English) Disclaimer

THE INFORMATION IN THIS GUIDE IS SUBJECT TO CHANGE AT ANY TIME AND WITHOUT NOTICE.

Matrox Graphics Inc. reserves the right to make changes in specifications at any time and without notice. The information provided by this document is believed to be accurate and reliable at the time it is written. However, no responsibility is assumed by Matrox Graphics Inc. for its use, for its reproduction and/or distribution, in whole or in part; nor for any infringements of patents or other rights of third parties resulting from its use.

(Français) Responsabilité

LES INFORMATIONS CONTENUES DANS CE MANUEL PEUVENT ÊTRE MODIFIÉES EN TOUT TEMPS ET CE SANS PRÉAVIS.

Les Graphiques Matrox Inc. se réserve le droit de modifier les spécifications en tout temps et ce sans préavis quelconque. Les informations contenues dans ce manuel sont reconnues comme étant précises et fiables à la date de rédaction. Cependant, Matrox Graphics Inc. n'assume aucune responsabilité concernant leur utilisation, leur reproduction et/ou distribution, en tout ou en partie, ni leur contrefaçon de brevets ou de tout autre droit appartenant à des tiers résultant de leur utilisation. Aucune licence n'est accordée sur aucun brevet ou droit d'exploiter un brevet de Matrox Graphics Inc.

(Deutsch) Haftungsablehnungserklärung

DIE IN DIESEM HANDBUCH ENTHALTENEN ANGABEN UND DATEN KÖNNEN OHNE VORHERIGE ANKÜNDIGUNG GEÄNDERT WERDEN.

Die Matrox Graphics Inc. behält sich das Recht vor, jederzeit und ohne Ankündigung technische Daten zu ändern. Zum Zeitpunkt der Erstellung dieses Handbuchs sind die Inhalte korrekt und verlässlich. Weiterhin übernimmt Matrox Graphics Inc. keinerlei Verantwortung für die Benutzung dieses Handbuchs, die Vervielfältigung und/oder Verteilung im Ganzen oder zum Teil; weder für Verstöße gegen Patentrechte noch für andere Rechte Dritter, die aus seinem Gebrauch resultieren mögen. Es werden keinerlei Lizenzrechte gewährt für sämtliche Patente oder Patentrechte der Matrox Graphics Inc.

(Italiano) Discrezionalità

LE INFORMAZIONI CONTENUTE NEL PRESENTE DOCUMENTO SONO SOGGETTE A MODIFICHE IN QUALUNQUE MOMENTO E SENZA PREAVVISO.

Matrox Graphics Inc. si riserva il diritto di apportare variazioni di qualunque tipo alle specifiche tecniche in qualunque momento e senza alcun preavviso. Le informazioni contenute in questa documentazione sono ritenute corrette e attendibili al momento della pubblicazione. In ogni caso, non è imputabile a Matrox Graphics Inc. nessuna responsabilità per il loro utilizzo, per la loro distribuzione e/o riproduzione completa o in parte, come nessuna violazione a brevetti o diritti di altri produttori derivante dal loro utilizzo.

(Español) Renuncia

LA INFORMACION QUE CONTIENE EL PRESENTE MANUAL ESTA SUJETA A CAMBIOS SIN PREVIO AVISO EN CUALQUIER MOMENTO.

Matrox Graphics Inc. se reserva el derecho de realizar modificaciones en cualquier momento y sin previo aviso. La información facilitada en este documento se considera que es exacta y fiable hasta la fecha de publicación. Sin embargo, Matrox Graphics Inc. no asume ninguna responsabilidad por su uso, por su reproducción y/o distribución parcial o total; ni por cualquier infracción de patentes u otros derechos de terceras partes derivados de su uso. No se concede ninguna licencia bajo cualesquiera patentes o derechos de patentes de Matrox Graphics Inc.

Matrox Graphics Inc.

1055 Saint Regis Boulevard
Dorval, Quebec, Canada H9P 2T4

North America: 1-800-361-1408
International: (514) 822-6000

Email: graphics@matrox.com

Web site: www.matrox.com/graphics

Technical support:
www.matrox.com/graphics/support

To locate the sales office nearest you, visit
www.matrox.com/graphics/contact

matrox®
Graphics for Professionals