

miroHISCORE 3D

USER'S GUIDE



miroHISCORE 3D

User's Guide

Version 1.0/GB September 1997

700709

© miroMEDIA GmbH 1997

All rights reserved.

No part of this manual may be reproduced or transferred to other media without explicit written permission from miroMEDIA GmbH, Braunschweig, Germany.

3Dfx™ and Voodoo graphics™ are trademarks of 3Dfx Interactive, Inc.

IBM AT® is a registered trademark of International Business Machines Corp.

miro® is a registered trademark of miro Computer Products AG.

VGA™ is a trademark of International Business Machines Corp.

Windows® is a registered trademark of Microsoft Corp.

All other brand or product names are trademarks or registered trademarks of their respective holders.

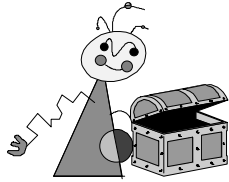
This manual is printed on chlorine-free paper using environmentally safe ink.

miroMEDIA GmbH has written this manual to the best of its knowledge, but does not guarantee that the programs/systems will fulfill the desires of the user.

No warranty is made as to the specifications of features.

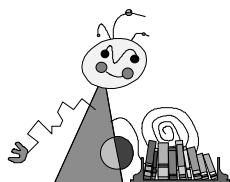
miroMEDIA GmbH retains the right to make alterations to the content of the manual without the obligation to inform third parties.

All tenders, sales, supply and manufacturing contracts from miroMEDIA GmbH, including consultancy, installation and other contractual performance are subject exclusively to the General Sales and Delivery Terms of miroMEDIA GmbH.



Contents

<u>GETTING STARTED</u>	<u>1</u>
PACKAGE CONTENTS	1
GETTING MORE HELP	1
<u>HARDWARE INSTALLATION</u>	<u>2</u>
INSTALL THE CARD	2
CONNECT YOUR MONITOR	3
<u>SOFTWARE INSTALLATION</u>	<u>4</u>
<u>CONNECT TO CONNECT YOUR TV</u>	<u>7</u>



About the User's Guide

This User's Guide explains how to install and use the miroMEDIA hardware and software.

Subheadings

In the margins are subheadings to help you quickly find your way through this manual.



Important text passages are marked with the “notepad” and this format.

Numbers mark step by step instructions:

1. Start Windows.

Bullets mark instructions for optional steps the order of which is not important.

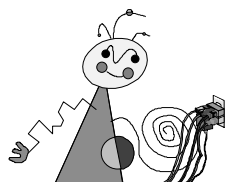
- Connect the TV to the card.

All keyboard commands appear in this font:

install <↵>

<↵> represents the enter key.

Menus, commands, options or buttons which the user can select are written in *italics*.



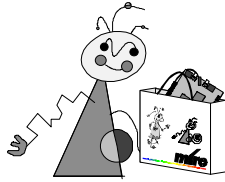
For your own safety

In the interest of your own safety and the flawless functioning of your new product and computer system please note the following:

- ♦ Computer components are sensitive to static charge. Divert any electrostatic charge from your person before touching the components with your hands or any tools.
- ♦ Before opening the computer make sure that the power plug is disconnected from the main socket.



For changes that have occurred after the manual has been printed, refer to the README file/s on the CD-ROM supplied with your system! In the Windows File Manager double-click the README file to get the latest information.

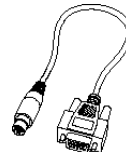
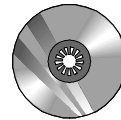
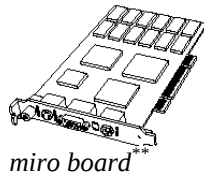


Getting Started

miroHISCORE is a PCI add-in card that works alongside your current VGA display adapter. Based on 3Dfx's Voodoo Graphics chipset, miroHISCORE kicks in to provide the high frame rates and graphical detail required by serious gamers.

PACKAGE CONTENTS

Before beginning the miroHISCORE installation, please check to make sure your package is complete* :



If any parts are missing, please contact your reseller.

GETTING MORE HELP

This manual is designed to take you step-by-step through the installation process. For more detailed information on using miroHISCORE, please:

- **Consult the Online Manual.**

Click on *Online Manual* in the miroHISCORE tab in the *Display* control panel. Or click on *miroHISCORE Online Manual* in the miroHISCORE program group in the *Start* menu.

- **Visit our web site <http://www.miro.de>.**

We will have constantly updated Tips & Tricks on our web site, plus driver updates. Please visit often to keep up-to-date on miroHISCORE.

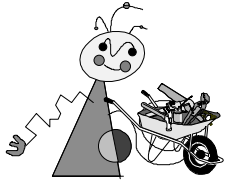
- **Contact technical support.**

by e-mail: www.miro.de

by phone: +49 1805 225450

* Depending on the delivery scope, the actual package contents may be different from the package contents listed in the manual.

** For model and serial number of your miro board, refer to the label on the board.



Hardware installation

INSTALL THE CARD



Before beginning the installation, clear a clean, dry space to work on your computer. You will need a Phillips head screwdriver and/or a flat head screwdriver, and we recommend you use a container to hold loose screws.



Computer components are sensitive to electrostatic charge. Do not take the card out of its antistatic package until you install it.

To insert the card into your computer, proceed as follows:

1. Shut down your system.

2. Disconnect the power and monitor cables.

Please make a note of where your monitor was connected.

3. Remove the cover of your computer.

See your computer manual for instructions on how to do this if you are unsure.

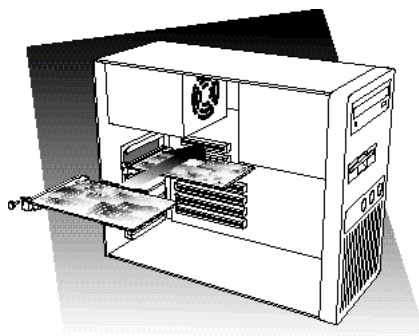
4. Locate an empty PCI slot and remove the bracket.

There are two kinds of expansion slots on most PCs: PCI and ISA. PCI slots are usually made of white plastic and are much smaller than ISA slots.

Use a screwdriver to remove the bracket covering the PCI slot. Save the screw for **Step 6**. You will not need this bracket once miroHISCORE is installed, so please store it in a safe place.

5. Align your miroHISCORE card with an empty PCI expansion slot and gently but firmly insert it into place.

miroHISCORE should slide easily into the PCI slot. If there is some resistance, do not try to force miroHISCORE into place. Remove miroHISCORE and try again, perhaps selecting a different PCI slot.



6. Secure the miroHISCORE bracket into place with the screw from Step 4.

7. Put the cover back on your computer and reconnect the power cable.

CONNECT YOUR MONITOR

Once you have installed miroHISCORE into a PCI slot and replaced your computer cover, it is time to reconnect your monitor. To do so, you need the VGA pass-through cable:



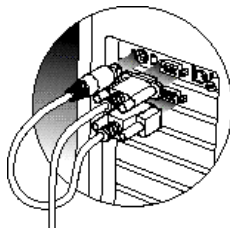
To connect your monitor to your miroHISCORE card, proceed as follows:

1. Connect the VGA pass-through cable to miroHISCORE.

Locate the VGA pass-through cable, pictured above. Carefully insert the “DIN connector” ☆ into the connector on miroHISCORE marked “VGA-IN”.

2. Connect the other end of the VGA pass-through cable to your VGA card.

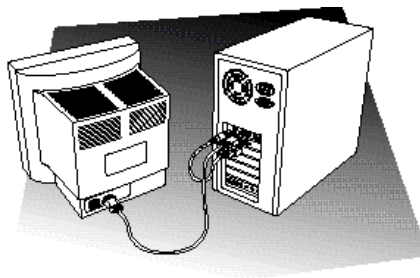
Plug the “monitor connector” ☹ of the VGA pass-through cable into your VGA display adapter.

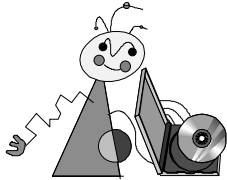


3. Connect your monitor cable to the monitor connector on miroHISCORE.

Reconnect your monitor cable to the connector on miroHISCORE, as pictured below.

Use the pass-through cable to connect miroHISCORE to your VGA card. Then connect your monitor to miroHISCORE.





Software installation

Once you have installed the miroHISCORE graphics card into your system and connected your monitor and pass-through cable, it is time to install the driver software.

1. Start your system and load the *miroHISCORE Drivers and Utilities* CD into your CD-ROM drive.

When you boot your system, Windows 95 should detect that you have installed a new piece of hardware. If it doesn't, please skip to **Step 3**.

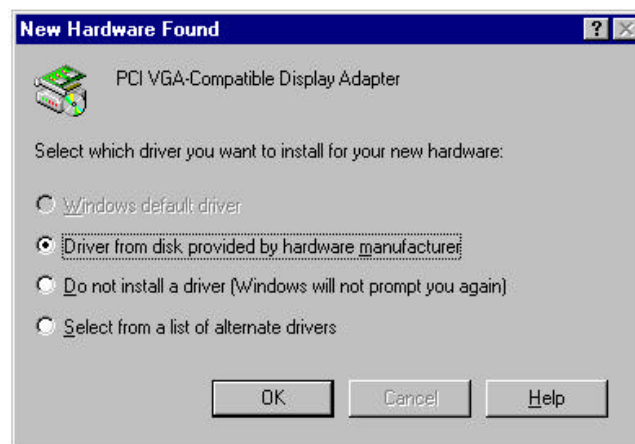


Note: There are two versions of Windows 95: Windows 95a and Windows 95b ("OSR2"). Please proceed to step 2a or 2b, depending on the "New Hardware Found" message that Windows displays.

2a. Install drivers using Windows 95a plug-and-play.

Select *Driver from disk provided by hardware manufacturer*, and click *OK*. Then use the *Browse...* button to locate the drivers in the Win95 directory of the *miroHISCORE Drivers and Utilities* CD, or type in **D:\Win95**, where **D** is drive letter for your CD-ROM.

After copying the drivers, Windows will ask you to restart. Please do so.



2b. Install drivers using OSR2 plug-and-play.



Make sure that you have the miroHISCORE Drivers and Utilities CD-ROM in your CD-ROM drive and click *Next*.

Windows will attempt to find the display drivers. If it does not, click *Location* and type **D: \Win95**, where **D** is the drive letter for your CD-ROM.

Windows may prompt you again to locate the drivers. Just retype **D: \Win95**, where **D** is the drive letter for your CD-ROM.

After copying the drivers, Windows will ask you to restart. Please do so.

3. Run Setup.exe from the Win95 directory of the Drivers and Utilities CD-ROM.

After Windows restarts, run the miroHISCORE setup to install the miroHISCORE display drivers and utilities. Setup.exe is located in the Win95 directory of your *miroHISCORE Drivers and Utilities* CD.

You can do this by going to the *Start* menu, selecting *Run...*, and typing in **D: \Win95**, where **D** is the drive letter for your CD-ROM..



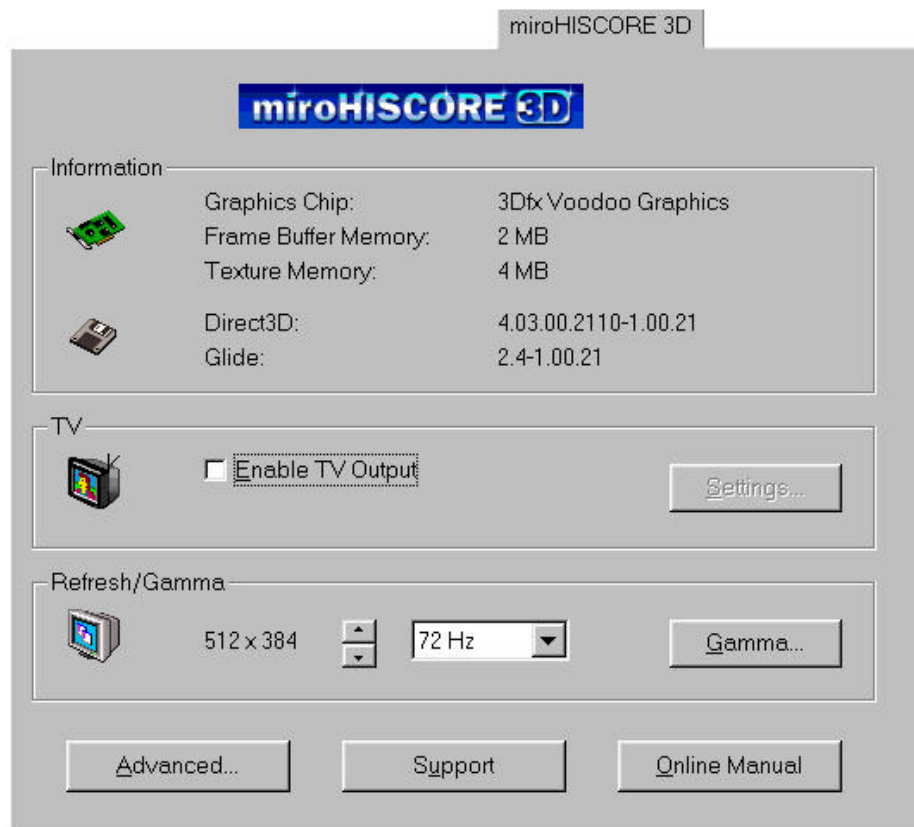
4. Install DirectX 5.

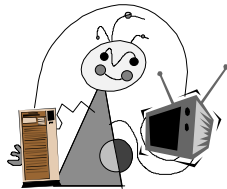
If you do not already have DirectX 5 installed on your machine, please run DXSetup.exe from the DirectX directory of the *miroHISCORE Drivers and Utilities* CD.

5. Using the miroHISCORE display utilities

Once you have installed the miroHISCORE display drivers with the Setup program, you can use the miroHISCORE tab in the Display Properties control panel to configure TV-out, gamma settings, refresh rates, and more.

To bring up the *Display Properties Control Panel*, click on the *Start* button, select *Settings*, and click on *Control Panel*. Then double-click on the *Display* icon.

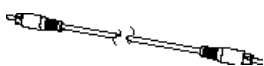




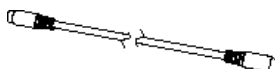
Connect To Your TV

Now that the miroHISCORE hardware and software is installed, you can connect miroHISCORE to your TV for big-screen gaming.

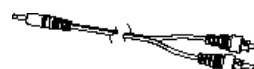
To connect your TV, you need either a Composite TV cable or an S-Video cable and an audio cable. You can obtain the cables at any electronic store near you.



Composite TV cable



S-Video cable



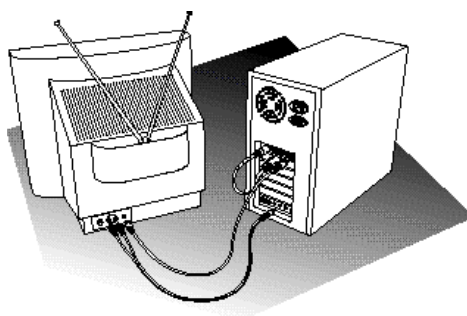
*Audio cable for connecting
your PC to your TV*

To connect the TV to your miroHISCORE card, proceed as follows:

1. Connect a TV cable to the miroHISCORE card.

miroHISCORE allows you to connect to your TV using a composite or S-Video cable. Select a TV cable (pictured above), and plug it into the appropriate connector (labeled “C-Video” or “S-Video”) on the back of miroHISCORE.

2. Connect the other end of the TV cable to the “Video In” on your television set.

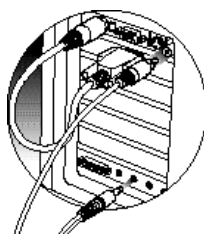


3. Plug the audio cable to the “Line Out” of your sound card.

Locate the audio cable, pictured above. Plug the mini-stereo connector ☆ into the “Line Out” of your sound card, as shown below. You can also plug it into “Speaker Out”.

4. Plug the other end of the audio cable into the “Audio In” on your television or stereo system.

Plug the two RCA jacks of the audio cable into the “Audio In” of your TV.





Note: This diagram shows connecting the composite cable to the TV. If your TV has an S-Video port, please use the S-Video cable. It provides better image quality.