



miroMEDIA 3D fanatix

USER'S GUIDE



miroMEDIA 3D fanatic

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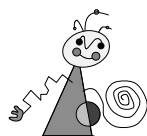
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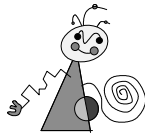


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USE WARNING

miroMEDIA 3D fanatix is designed to minimize the possibility of nausea or disorientation. However, some users could experience these effects with specific software products. If this happens, you should discontinue use immediately and wait for the discomfort to go away before using again. Trying other software might also eliminate these effects. In addition, do not use miroMEDIA 3D fanatix in situations where limiting your visual perception could be dangerous. Finally, you should refer to the section above, “Optimizing Monitor And Room Lighting” to eliminate other factors which might contribute to these symptoms. Never use miroMEDIA 3D fanatix when you are already ill, dizzy, or nauseous.



About the user's guide

This user's guide explains how to install and use the miroMEDIA 3D fanatix hardware and software. It also contains many tips and tricks to make optimal use of miroMEDIA 3D fanatix.

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 (when the order is not important).

- Connect the miro board to the microphone.

All keyboard commands appear in this font:

install <↵>

<↵> represents the enter key.

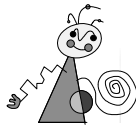
Menus, commands, options or buttons which the user can select are written in *italics*.



For changes that have occurred after the manual has been printed, refer to the README supplied with your system! You can open the README file using any editor.

SOFTWARE LICENSING AGREEMENTS

Please review the software licensing agreements which come with the enclosed software. These agreements are binding between the user and software publisher and should be read before installing the software.



Overview

Thank you for purchasing the miroMEDIA 3D fanatix stereo-vision 3D system. miroMEDIA 3D fanatix's advanced liquid crystal technology creates true depth perception when used with compatible software. miroMEDIA 3D fanatix is easy to install on your computer. You need not open your computer case, modify interrupts, or adjust DIP switches.

How miroMEDIA 3D FANATIX WORKS

miroMEDIA 3D fanatix eyewear uses high-performance liquid crystal shutters to rapidly alternate left- and right-eye views of an image displayed on your computer monitor. miroMEDIA 3D fanatix compatible software places a synchronizing flag in each image field to tell the shutters when to open and close. A chip in the VGA Dongle detects the flag as the image field signal is sent to the monitor. The appropriate shutter is then triggered. This ensures that your left eye sees only the left image while the right eye sees only the right. The shuttered image fields alternate so rapidly that your mind fuses them into a single image. This effectively emulates normal eyesight, thereby adding depth perception to an otherwise "planar" or flat image.

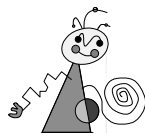
SYSTEM REQUIREMENTS

While it is possible to view stereo-vision 3D on slower systems, the minimum recommended system for miroMEDIA 3D fanatix consists of a 486/66 or above, CD-ROM drive, and VGA graphics card. Most fast-action games require significant CPU resources to support smooth play under stereo-vision. As a result, machines below a 486/66 simply lack the power necessary for enjoyable performance levels. With a 486/66 you will find that using low resolution modes or turning off music will improve performance (read each game's accompanying text files for info). A fast Pentium is highly recommended.

A monitor which supports a horizontal frequency of at least 64 kHz and at least a maximum frequency of 120 Hz.

PRODUCT COMPONENTS

- ♦ One set of miroMEDIA 3D fanatix eyewear packed in a protective case
- ♦ diskette with driver software,
- ♦ dongle,
- ♦ Descent II with LC shutter support and S3 Virge acceleration.



Installation

1. Detach the monitor cable from the VGA port on your computer. Attach the Dongle to the VGA port, then re-attach the monitor cable to the Dongle.
2. Plug the miroMEDIA 3D fanatix cable into the Dongle. The miroMEDIA 3D fanatix hardware is now installed.
3. Install the software on the accompanying floppy disk using the instructions provided in the README.TXT file.
4. Once the software is running, put on the eyewear (which can be worn comfortably even over most glasses), and enjoy the experience of stereo-vision 3D.



Using miroMEDIA 3D fanatix

CARE AND HANDLING

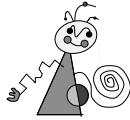
The LCD lenses are delicate and should be treated with care. They can crack if dropped or placed under heavy objects. Avoid touching the lenses or exposing the eyewear to extremes in temperature or humidity. Do not expose miroMEDIA 3D fanatix to moisture when cleaning, as liquid may damage the circuitry. Also, use lens paper or a chamois cloth to remove smudges, dirt, or grease. Other household paper products may scratch the lenses. Taking these simple precautions will help ensure the longest possible life.

OPTIMIZING YOUR MONITOR AND ROOM LIGHTING SETUP

Optimal monitor brightness and room lighting will help you achieve the best possible stereo-vision effects while reducing the potential for eye fatigue and headaches. Diminished light levels reduce perceptible flicker significantly, especially for programs such as DOS action games. If you find flicker is a problem, reduce your monitor's brightness while observing your stereo-vision application until you achieve an acceptable image. Note that larger monitors (17" and above) are less bright than smaller monitors (15" and below). Therefore, if you use a larger monitor you may not need to reduce light levels at all.

Room illumination may also contribute to flicker. Because you are looking through liquid crystal shutters which are opening and closing very rapidly, you may see flickering in the room around you, rather than on the monitor itself. This is particularly likely if the room is very brightly lit or there are bright sources of illumination nearby. Closing blinds and lowering room lighting will markedly improve your viewing experience.

If you use a monitor supporting a horizontal frequency of at least 85 kHz and a maximum vertical frequency of at least 150 Hz, the image is completely flicker-free. However, the game has to support this vertical refresh rate.



Troubleshooting



Problem

No picture on the monitor screen.



Solution

The Dongle may be improperly installed. Try removing and reattaching the Dongle and monitor cable. Make sure all cable connections are firmly seated.



Problem

Cannot see a stereo-vision image.



Solution

Make sure you installed the miroMEDIA 3D fanatix driver software correctly on your computer and that it runs properly. Some programs require that you start the LCD-BIOS software contained on the diskette. Please read the README file for more information. Use the configuration software and start the 3D test image contained on the diskette to check if the glasses function properly



Problem

The room and/or monitor seems to flicker.



Solution

Please refer to the section above, "Optimizing Your Monitor and Room Lighting".

NOTES