miroLOGO (sw).tiff ¬

miro drivers for NEXTSTEP (for Intel processors)

miro drivers for NEXTSTEP offer the possibility to work with your miro graphics board under NEXTSTEP for Intel processors, Release 3.2 or higher.

New driver releases for miro graphics boards are available via our BBS. Please contact one of the following phone numbers:

+49 / 531 / 2113-112   (1200 - 14400, 8N1)
+49 / 531 / 2113-1155 (ISDN, X.75)

Drivers and infos are also available via miro's Compuserve forum. Simply type

GO MIRO

Installing the miro drivers for NEXTSTEP

To install the miro drivers for NEXTSTEP correctly, NEXTSTEP should be installed for VGA and you must be logged in as *root*:

- Open the folder that corresponds to your miro graphics board.

If you want to install the driver for a miroCRYSTAL 20SD graphics board, you'll find two other folders in the one you have opened. One of them contains the driver for the miroCRYSTAL 20SD, revision 2.x and the VL-bus revision 1.x, the other one contains the driver for the miroCRYSTAL 20SD, revision 3.x. If you don't know the revision of your miroCRYSTAL 20SD check the message which appears after you switch on your system.

· Drivers with the extension *.config*

- Double-click the driver to start the installation; the *Configure* application starts automatically.
  The miro driver is copied to the hard disk into the directory */usr/Devices*.
- Quit the system message by clicking *OK*.

· Drivers with the extension *.pkg*

- Double-click the driver to start the installation; the *Installer* application starts automatically.
- Install the driver (for further information about using the *Installer* application refer to the documentation which comes with NEXTSTEP).
- After the installation is completed, have a look at the *Log*, there you'll find additional hints concerning the installation if necessary.
- Quit the *Installer* and start the *Configure* application.

- In the *Configure* window select the *Display* command. The installed driver is displayed.
- Remove this driver by clicking *Remove*.
- Select *Add¼* to add the miro driver. A list of drivers will be displayed. Select the miro driver for your graphics board and select *Add*.

If you did not remove the driver which has already been installed, you are notified that there may be address conflicts. Please absolutely remove the driver which is not needed.

- Select the desired resolution and colorspace.
- Specify which address area of the main memory has to be reserved for the video memory.

In principle, this can be the lower or the upper memory area of the main memory. This does not work for all computers. Please consult your computers manual.

The rule of thumb for specifying the address area is:

Main Memory Size	Video memory address
16 MB	0x01000000
32 MB	0x02000000
48 MB	0x03000000
64 MB	0x04000000

Use the + or the - button to specify the address range or enter the address directly and hit the return key.

Possible address conflicts are shown.

If the address area cannot be specified using the table above, use the address 0xFFC00000 (maximum memory size minus 4 MB (maximum video memory size)).

- After specifying the address select *Done*.
- In the *Summary of Devices* window select *Save* to save the configuration.
- Quit the *Configure* application.
- Log out and restart your system as described in your NEXTSTEP User's Manual.

After having restartet the computer the selected resolution is active.

Attention

If you're using a miro 20/40 twin, you have to set DIP-switch 2 to ON, otherwise the corresponding driver won't work. This setting forces the system to boot from the main board of the miro 20/40 twin.

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