UltraStor Family SCSI Adapter Device Driver
by
Tomas Hurka, Hukatronic   tom@hukatronic.cz

Version 1.1 of UltraStor Family SCSI Adapter Device Driver for NEXTSTEP Release 3.2 for Intel Processors

OVERVIEW:

UltraStor Family SCSI adapter device driver lets you take advantage of the following SCSI adapters:

Manufacturer	Adapter	PC Bus
Ultra Stor	34F	VL-Bus

WARRANTY:

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED

WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.   IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

COPYING:
The **UltraStorFamily** driver is shareware. You can freely distribute without changing or removing any parts of the package. If you found the driver reliable, please, register the driver. For more detail see document **Registration.rtf**.

INSTALLATION:

These instructions show you how to install the UltraStor SCSI adapter device driver on an Intel-based computer running NEXTSTEP™ Release 3.2. The driver is distributed as

file named **UltraStorFamily_1.1.tar.Z**.

1. If you received the **UltraStorFamily_1.1.tar.Z** file via NeXTmail™ or downloaded via FTP or another electronic source, place a copy of the file in a location where you can access it when you log in as **root**.
2. Log in as **root**.
   Only the superuser, **root**, can install the device drivers. If you're not sure how to log in as **root**, see your system administrator.
3. Double-click the **UltraStorFamily_1.1.tar.Z** file and uncompress and unarchive it.
4. Double-click the **UltraStorFamily.config.** It automatically launch **Configure.app** and copy the driver into **/NextLibary/Devices** directory.
5. Add UltraStor driver as SCSI device and configure IRQ and port address according to setting of the card. The default setting is the same as Adaptec setting and should be OK for most cases.
6. Save configuration and quit **Configure.app**.
7. Reboot computer.

INSTALLATION of the NSFIP from the scratch with UltraStor card:

These instructions show you how to install NEXSTEP with UltraStor SCSI adapter and **UltraStorFamily** device driver on an Intel-based computer running NEXTSTEP™ Release 3.2. The driver is distributed as file named **UltraStorFamily_1.1.tar.Z**.

1. The driver **UltraStorFamily.config** must be on a floppy in directory **/usr/Devices/**

2. boot from installation floppy with CD-ROM inserted in the CD-ROM drive
3. At boot:, type: `mach_kernel "Boot Drivers"="PS2Keyboard IDE"`
   (IDE is only necessary when using an IDE harddisk)
4. select your language
5. When you are prompted:
   `The following SCSI adapter.....If you have a different kind...insert the floppy disk...` etc.
   insert the floppy with the UltraStor driver, type: `1 [RETURN]` and select the driver from the list
6. Proceed as normal
7. When the computer reboots for the first time, insert the installation disk again
8. At "boot" prompt, type : `mach_kernel -s "Boot Drivers"="PS2Keyboard IDE"` to start the computer in single user mode
9. Repeat step 3 (afterwards, let the driver floppy remain in the drive)
10. When reaching the single user shell (prompt #),   type:
    # driverLoader D=Floppy
    # mount   -n /dev/hd0a (or /dev/sd0a for SCSI) /disk
    # mount -n /dev/fd0a /floppy
    # cp -r   /floppy/usr/Devices/UltraStorFamily.config /disk/usr/Devices
    # reboot
11. When the screen blanks out, remove the driver floppy for rebooting from harddisk
12. When, while rebooting, the system reaches the "boot" prompt, type:
    `mach_kernel "Boot Drivers"="PS2Keyboard IDE UltraStorFamily"`
13. Continue the installation as normal

14. When the Configure.app is launched, choose the UltraStor driver as SCSI driver

Release 1.1 notes:
1. The driver works correctly with Toshiba XM-3401 CD-ROM and CDPlayer.app. The only thing you need is a program called XAmode, which switch TOSHIBA to XAmode. This also enables you to read KodakPhotoCD. XAmode is available from anonymous ftp ftp.uni-stuttgart.de:/pub/systems/next/Tools .

BUGS:
Send all bug reports and any other suggestion via e-mail to **tom@hukatronic.cz**.
Please, don't forget to write me your configuration.

Contact:
Tomas Hurka
Hukatronic (H.C.C.)
Kankovskeho 8
182 00 Praha 8
Czech Republic
Email: tom@hukatronic.cz