BusLogic BT-445S SCSI Adapter Device Driver

by

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Version 1.0 of BusLogic BT-445S SCSI Adapter Device Driver for NEXTSTEP Release 3.2 for Intel Processors

OVERVIEW:

BusLogic BT-445S SCSI adapter device driver lets you take advantage of the following SCSI adapters:

Manufacturer	Adapter	PC Bus
Bus Logic	445S	VL-Bus

The driver replaces the NeXT's universal   Adaptec154xDriver on BT-445S card. Driver uses BT-445S 32-bit addressing mode, therefore the disk performance is a little bit better on computers with more than 16 MB RAM.   The increase of performance is according to **DrivePerformance.app** about 8% on 486DX2/66 with 32 MB RAM and 1.2 GB TOSHIBA MK538FB SCSI-2 drive. The driver works with

BT-445S firmware version 3.31C - we didn't have a chance to test other versions of firmware.

WARRANTY:

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Notes about hardware setting of BT-445S:

1. In order to achieve a 10MBytes/sec transfer rate, the 'Maximum Synchronous Data Rate Allowed' option must be enabled (switch 7 -Off) and the 'Adapter Initiate Synchronous Negotiation must be enabled (switch 6 -Off).
2. Some older SCSI drives that can only support a data rate of up to 5 MB/s may misinform the BT-445S during the negotiation that it can transfer data above 5 MB/s. When the BT-445S is connected to such drives, 5 MB/s option must be used (switch 7 - On) . Otherwise, it will cause data transfer failure!

Release 1.0 notes:

1. We have found at least one particular configuration (Gateway 4DX2/66V board, PAS-16 sound adapter, Logitech bus mouse, ATI UltraPro graphics, SEAGATE ST3600N hard disk) where this driver doesn't work properly. Anyway, even the NeXT's universal Adaptec154x Driver doesn't work with the same configuration. Should you possibly happen to have any problems, we will very appreciate to be informed, so as to be able to fix the problems.