

# **NEXTSTEP for Intel Processors**

**Title:** Bus Logic BT-445 SCSI Adapter

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**Product Vendor:**

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**Keywords:** Bus Logic, 445, SCSI, VLB

## **Usage Commentary:**

The Bus Logic BT-445 line of SCSI controllers provides a bus-mastering VESA LocalBus SCSI interface for NEXTSTEP for Intel Processors.

### **Release 3.3**

See NeXTanswers document 1771\_BusLogic\_family\_Driver\_Overview.rtf

### **Release 3.2**

The BT-445C requires the Bus Logic SCSI driver, now available from NeXTanswers via anonymous FTP (<ftp.next.com>) or email ([nextanswers@next.com](mailto:nextanswers@next.com)). Request NeXTanswers documents 1685\_BusLogicSCSIDriver.pkg.compressed and 1686\_BusLogicSCSIDriver.ReadMe.rtf.

While other models in the BT-445 line have been used successfully with the Bus Logic SCSI driver by our customers, the driver was written specifically for the BT-445C, and this is the only model tested by NeXT. If your card is a different model and does not work with the Bus Logic SCSI driver, use Update 1 of the Adaptec 154x SCSI driver instead. Request NeXTanswers documents 1521\_Adaptec154xDriver.pkg.compressed and 1520\_Adaptec154xDriver.ReadMe.rtf, and see the note about firmware restrictions under "Known Problems" below. If you are installing a system with the update, request document 1541\_Installation\_Requiring\_Adaptec\_Driver\_Update.rtf as well.

## **Setup and Installation:**

If you plan to use the BT-445 with a pre-installed system, first obtain the Bus Logic SCSI driver, then install and configure the driver according to the instructions in its ReadMe file. You can use the default driver settings.

If you are installing a system with the BT-445, you will need to use the Bus Logic SCSI driver as a loadable boot driver. This requires a NEXTSTEP-formatted floppy with the plain driver, BusLogicSCSIDriver.config, in the /usr/Devices folder. You can create such a floppy yourself if you have access to a working NEXTSTEP system, or obtain one from

NeXT Technical Support.

Remove jumpers W15 and W16 to disable the floppy controller on the BT-445.

## **Known Problems:**

### **Release 3.1:**

- The BT-445 requires a driver update which is available only for NEXTSTEP Release 3.2. Therefore Release 3.1 does not support the BT-445.

### **Release 3.2:**

- While the integrated floppy controller on the BT-445 may work, it is not officially supported under NEXTSTEP Release 3.2.
- Improper SCSI termination can cause strange, unreproducible errors. For maximum reliability be certain that the first and last devices on the SCSI bus are terminated. For more information on this topic see NeXTanswers document 1109\_SCSI\_Setup.
- If you are using the Adaptec 154x SCSI driver because the Bus Logic SCSI driver does not support your card, you will need to change your Bus Logic BIOS and

firmware to the following versions:

BIOS: 4.50

firmware: 3.31

Bus Logic technical support will assist you with this.

**See also:**

1109\_SCSI\_Setup

1118\_Bus\_Logic\_BT-747\_SCSI\_Adapter.rtf

1362\_Bus\_Logic\_BT-54x\_SCSI\_Adapter.rtf

1520\_Adaptec154xDriver.ReadMe.rtf

1521\_Adaptec154xDriver.pkg.compressed

1541\_Installation\_Requiring\_Adaptec\_Driver\_Update.rtf

1685\_BusLogicSCSIDriver.pkg.compressed

1686\_BusLogicSCSIDriver.ReadMe.rtf