

# NEXTSTEP for Intel Processors Release 3.3

## SCSI Driver Overview

**Driver:** BusLogic family

**Driver Overview:** NeXTanswer #1771

**Last Update:** March 26, 1996

## Availability Information

**A version of this driver is on the CDROM**

**Newer Released Driver in NeXTanswers:** Yes, Version 3.32, as NeXTanswer #1931

**Newer Beta Driver in NeXTanswers:** No, Version 0.00, as NeXTanswer #

**Driver Name / Installer .pkg:** BusLogicSCSIDriver

**Driver Type:** SCSI

**Driver Scope:** Product Family

**Supported Components:** BusLogic BA90C30

**PC Bus / Interface Supported by Driver\*:** EISA, ISA, PCI, VL-Bus

**General Overview notes:** The BusLogic SCSI driver is designed to support the 747C and 445C series SCSI adapters from BusLogic. This driver is specifically designed to support the 32bit extended modes supported by these adapters. In comparison to the Adaptec 154x compatible mode previously used to support the 747S and 445S adapters, these extended modes provide additional performance, and remove the double buffering required by the 16MB address limitation. This driver may work with other versions of BusLogic SCSI adapters such as the 545C, 747S and 445S. Since these adapters are supported in Adaptec compatibility mode with the existing Adaptec 154x driver, this driver will only be tested and supported on the latest generation, higher performance 747C and 445C series adapters. Note: In general this driver was designed to work with any BusLogic bus master SCSI adapter.

**Supported Products / Add-on Adapters:**

BusLogic 546C (ISA)

BusLogic 747C (EISA)  
BusLogic 445C (VL-Bus)  
BusLogic 946C (PCI) - only rev C and D have been tested

### **Supported Products / Systems (ie integrated into PC System):**

Canon object.station 41

### **Special Features of Driver / Driver Notes:**

The onboard floppy controller, available on some cards, is not supported.

This device driver provides information in the Configure application's help panel. Choose Info>Help from the Configure menu and scroll down to find this device driver's help topic.

## SCSI Driver Details

**Supported Connectors:** 50-pin Centronics (Standard SCSI), 50-pin Header (Internal SCSI)

**Access Mode:** DMA

**Attributes\*:** SCSI-2

**Cache Size Supported\*:** N/A

## Known Problems

BusLogic firmware revs. before 4.25J may not work with this driver. In particular, firmware version 4.21 had a bug, which caused the Read Capacity data to be read up incorrectly.

BusLogic 946C rev A and B do not work with our driver.

## Driver Version Notes

## Future Planning

**Future / Update Planning:**  
**Reason for New Driver / Update:**  
**New Driver / Update Timeframe:**

**New Driver / Update Description:**

**Note:** Information contained in the "Future Planning" section of this document does not constitute a commitment on the part of NeXT to complete the planned development work.

\* - Indicates information that is inclusive of the entire capability of this driver. Not all devices supported by this driver may include all features listed. Check any available NeXTanswers and the hardware manual for the device for additional information.

## Product Vendor

Bus Logic, Inc.  
4151 Burton Drive  
Santa Clara, CA 95054  
USA

+1 (408) 492 9090 phone  
+1 (408) 492 1984 bulletin board system  
WWW: <http://www.buslogic.com/>