Installation Guide

English

Brisque 6E3

Brisque version **5.0**

719-00158A

www.creo.com

Brisque 6E3

Brisque version 5.0

Installation Guide

creo™

Copyright

Copyright © 2004 Creo Inc. All rights reserved.

No copying, distribution, publication, modification, or incorporation of this document, in whole or part, is permitted without the express written permission of Creo. In the event of any permitted copying, distribution, publication, modification, or incorporation of this document, no changes in or deletion of author attribution, trademark legend, or copyright notice shall be made.

No part of this document may be reproduced, stored in a retrieval system, published, used for commercial exploitation, or transmitted, in any form by any means, electronic, mechanical, photocopying, recording, or otherwise, without the express written permission of Creo Inc.

This document is also distributed in Adobe Systems Incorporated's PDF (Portable Document Format). You may reproduce the document from the PDF file for internal use. Copies produced from the PDF file must be reproduced in whole.

Trademarks

The Creo wordmark, Creo logo, and the names of the Creo products and services referred to in this document are trademarks of Creo Inc.

Adobe, Acrobat, and the Acrobat logo are registered trademarks of Adobe Systems Incorporated, and are registered in the U.S. Patents and Trademark Office and may be registered in other jurisdictions.

Apple, AppleTalk, AppleShare, EtherTalk, LocalTalk, Macintosh, and LaserWriter are trademarks of Apple Computer, Inc.

Microsoft, Windows, Windows 2000, and Windows NT are trademarks or registered trademarks of Microsoft Corp.

Xerox is a registered trademark of Xerox Corp.

Other brand or product names are the trademarks or registered trademarks of their respective owners.

FCC Compliance

The Creo equipment referred to in this document complies with the requirements in Part 15 of FCC Rules for a Class A computing device. Operation of the Creo equipment in a residential area may cause unacceptable interference to radio and TV reception, requiring the operator to take whatever steps are necessary to correct the interference.

Limitation of Liability

The product, software or services are being provided on an "as is" and "as available" basis. Except as may be stated specifically in your contract, Creo Inc. expressly disclaims all warranties of any kind, whether express or implied, including, but not limited to, any implied warranties of merchantability, fitness for a particular purpose and non-infringement.

You understand and agree that Creo Inc. shall not be liable for any direct, indirect, incidental, special, consequential or exemplary damages, including but not limited to, damages for loss of profits, goodwill, use, data or other intangible losses (even if Creo has been advised of the possibility of such damages), resulting from: (i) the use or the inability to use the product or software; (ii) the cost of procurement of substitute goods and services resulting from any products, goods, data, software, information or services purchased; (iii) unauthorized access to or alteration of your products, software or data; (iv) statements or conduct of any third party; (v) any other matter relating to the product, software, or services.

The text and drawings herein are for illustration and reference only. The specifications on which they are based are subject to change. Creo Inc. may, at any time and without notice, make changes to this document. Creo Inc., for itself and on behalf of its subsidiaries, assumes no liability for technical or editorial errors or omissions made herein, and shall not be liable for incidental, consequential, indirect, or special damages, including, without limitation, loss of use, loss or alteration of data, delays, or lost profits or savings arising from the use of this document.

Patents

This product is covered by one or more of the following U.S. patents:

RE37,376	5,325,217	5,532,728	5,742,743	5,996,499	6,158,345	6,353,216
4,558,302	5,339,176	5,561,691	5,764,374	5,998,067	6,159,659	6,366,339
4,743,091	5,343,059	5,568,595	5,764,381	6,003,442	6,164,637	6,371,026
4,992,864	5,355,446	5,576,754	5,771,794	6,014,471	6,180,325	6,377,739
5,049,901	5,359,451	5,579,115	5,785,309	6,016,752	6,181,362	6,387,597
5,079,721	5,359,458	5,592,309	5,813,346	6,031,932	6,181,439	6,396,422
5,103,407	5,367,360	5,594,556	5,818,498	6,043,865	6,186,068	6,396,618
5,111,308	5,384,648	5,600,448	5,854,883	6,060,208	6,189,452	6,407,849
5,113,249	5,384,899	5,608,822	5,861,904	6,063,528	6,191,882	6,414,755
5,122,871	5,412,491	5,615,282	5,861,992	6,063,546	6,204,874	6,422,801
5,124,547	5,412,737	5,625,766	5,875,288	6,072,518	6,208,369	6,435,091
5,132,723	5,420,702	5,636,330	5,894,342	6,090,529	6,214,276	6,441,914
5,150,225	5,420,722	5,649,220	5,900,981	6,096,461	6,217,965	6,450,092
5,153,769	5,459,505	5,650,076	5,934,196	6,098,544	6,260,482	6,456,396
5,155,782	5,473,733	5,652,804	5,942,137	6,107,011	6,266,080	6,476,931
5,157,516	5,481,379	5,680,129	5,946,426	6,112,663	6,266,134	6,477,955
5,208,818	5,488,906	5,691,823	5,947,028	6,115,056	6,267,054	6,509,903
5,208,888	5,497,252	5,691,828	5,958,647	6,121,996	6,268,948	6,541,181
5,247,174	5,508,828	5,696,393	5,966,504	6,130,702	6,283,589	6,545,772
5,249,067	5,509,561	5,699,174	5,969,872	6,134,393	6,295,076	6,564,018
5,283,140	5,517,359	5,699,740	5,973,801	6,136,509	6,299,572	
5,291,273	5,519,852	5,708,736	5,986,819	6,137,580	6,318,266	
5,323,248	5,526,143	5,713,287	5,995,475	6,147,789	6,352,816	

Creo Inc.
3700 Gilmore Way
Burnaby, B.C., Canada
V5G 4M1
Tel: +1.604.451.2700
Fax: +1.604.437.9891

http://www.creo.com

Internal 719-00158A

Revised April 2004

Contents

Using This Manual ix

1 Hardware Installation 1

1.1 Site Survey 2
1.1.1 Site Survey Sample Form 3
1.2 Site Preparation and Requirements 7
1.2.1 Network 7
1.2.2 Site Planning 7
1.3 Unpacking 9
1.3.1 Unpacking Procedure 9
1.3.2 Checking the Accessory Packages 10
1.4 Hardware Installation 12
1.4.1 Assembly of Components 12
1.4.2 Component Diagrams 12
1.4.3 Installation Procedures 15
1.5 Adding a Hard Disk 16
1.5.1 Add a Disk Using Swappable Slots 16
1.5.2 Configuring a New Hard Disk 17
1.5.3 Disk Striping 18
1.6 Powering Up the Brisque 19
1.7 Configuring the Date/Time 19
1.8 Configuring the TCP/IP Network 19
1.8.1 Configuring TCP/IP for a Local Station 20
1.8.2 Configuring TCP/IP for a Remote Station (Hosts Table) 22
1.8.3 Verifying TCP/IP Installation 24
1.9 NFS Setup Using SMIT 25
1.10 Remote Support and Control via Modem 27
1.10.1 Modem Installation Procedure 27
1.10.2 Modem Configuration 28
1.11 Saving and Restoring Configuration Files 29
1.11.1 Saving the Configuration Files to a DataVolume 29
1.11.2 Restoring the Configuration Files from a DataVolume 30

2 Connecting Output Devices to the 6E3 31

2.1 Starting the Output Device Configuration 32
2.1.1 The Output Devices Configuration Main Window 32
2.2 Connecting an Imagesetter 35
2.2.1 Installing the TSP-U Board 35
2.2.2 Connecting the Brisque Using a TSP Data Cable Link 36
2.2.3 Configuring the Imagesetter Devices 36
2.3 Connecting the Brisque to a Lotem/Lotem Quantum/Lotem Quantum Spectrum 42

2.3.1 Connecting the TSP Data Cable to Lotem Family 42
2.3.2 Connecting the TSP Data Cable to Lotem Quantum 43
2.3.3 Setting Up TCP/IP Connectivity 44
2.3.4 Verifying the Installation of TSP-U Board 48
2.4 Configuring the Platesetter Devices 49
2.4.1 The Lotem Platesetter Operations 51
2.5 Connecting Brisque to a Lotem 800 II Quantum with Spectrum (Halftone Proof) 53
2.6 Connecting Brisque to a Trendsetter 56
2.7 Installing a Proofer 56
2.7.1 Connecting the Proofer 56
2.7.2 Verifying the Realist SCSI ID 57
2.7.3 Setting SCSI Bus Speed 58
2.7.4 Verifying the Proofer SCSI Connection 58
2.7.5 Verifying the Proofer Installation via the Iris Controller 60
2.7.6 Configuring a New Proof Device 62
2.8 Connecting to an Improof via a Parallel Port 68
2.9 Connecting to an Improof via the Network (TCP/IP) 68
2.9.1 Configuring the Improof TCP/IP Parameters 68
2.9.2 Configuring the Imposition Proofing Devices 69
2.10 Configuring the KodakXP4 as a Halftone Proofer 74
2.10.1 Verifying the IP Address on the NT Server 74
2.10.2 Configuring the Kodak XP4 as a Half Tone Proofer 75

A Creo IP Address Structure Recommendations 81
A.1 Recommendations 82

B Adding Memory 83
B.1 Adding Memory 84
B.2 Updating the Paging Space 86

C Adding Disk Drive 87
C.1 Adding Disk Drive 88

D Adding Disk Drive Backplane 91
D.1 Adding Disk Drive Backplane 92

E Adding a Redundant Power Supply 95
E.1 Adding a Redundant Power Supply 96

F Components and Attention LEDs 99
F.1 Component and Attention LEDS 100

Using This Manual

Who Should Use This Manual x
Symbols Used in This Manual x

Who Should Use This Manual

This manual is intended for anyone who is involved in installing the Brisque 6E3 Platform for Brisque software version 5.0.

To use this manual, you should:

- Have a working knowledge of prepress operations
- Be familiar with the IBM® AIX® operating system



After you have setup the 6E3 platform, install the IBM® AIX® operating system and Brisque software application. For complete instructions, see the Brisque Software version 5.0 Installation Guide (653-00539A).

Symbols Used in This Manual



Attention: This symbol alerts you to things that may cause loss of data or damage to your computer hardware.



Important: This symbol indicates things that may cause process delays or reduce functionality, reliability, or quality.



Note: A note provides additional information that you may need to consider.

1 Hardware Installation

Site Survey 2
Site Preparation and Requirements 7
Unpacking 9
Hardware Installation 12
Adding a Hard Disk 16
Powering Up the Brisque 19
Configuring the Date/Time 19
Configuring the TCP/IP Network 19
NFS Setup Using SMIT 25
Remote Support and Control via Modem 27
Saving and Restoring Configuration Files 29

1.1 Site Survey

The Creo Brisque is a RIP and Output DFE (Digital Front End), designed to be integrated into the PostScript and DTP production environments (such as in service bureaus, trade shops and commercial printers) and to provide pre-output and output services.

The installation must be planned in advance if possible. In order to accomplish a smooth, easy and 'painless' installation - a methodical, planned and serious site survey must be conducted a few weeks prior to the installation.

The site survey should be done by an experienced application specialist with a wide knowledge of work flows and a good understanding of networking.

During the site survey, the following details must be observed and checked:

Networks	• Different protocols running on the networks - AppleTalk, TCP/IP.
	• What type of network cables are in use or to be used (10/100/1000BaseT and so forth).
Macintosh computers	• Number of Macintosh computers that are to connect to the Brisque
	• O/S 9.0 or higher
Work Flows	• Current general work flow.
Output devices	• Output devices (Manufacturer, model, s/w version, network interface).
Routers / Bridges / Hubs	• Are there any?
	• Exact model and vendor.
Remote Support Telephone Line	• Is there a dedicated phone line for the remote support modem?

1.1.1 Site Survey Sample Form

The following two pages are a SAMPLE of a suggested check list. This form will help the person performing the site survey task.

This form is distributed electronically to all subsidiaries as the basis for a more comprehensive form to suit local needs. It can be altered and/or translated to other languages.

In the work flow description section, a general description should be written including the following details such as:

- Are there scanners in the site, and if yes to which host computer, what type of scans are done (B&W / Color), how large are the scanned files etc.
- What Output devices are installed, and to what DFE are they connected, what type of files are exposed, what type of network interface is connected, etc.
- Are there any special featured computers installed? e.g. a computer running a software Router or a computer doing automatic trapping etc. If yes, what type of files run through these computers, how large, what is the destination etc.
- Any unique features in the site's work flow that weren't observed elsewhere.
- A detailed scheme of the site's network should be provided, to allow the national product specialist to visualize the above descriptions as much as possible.

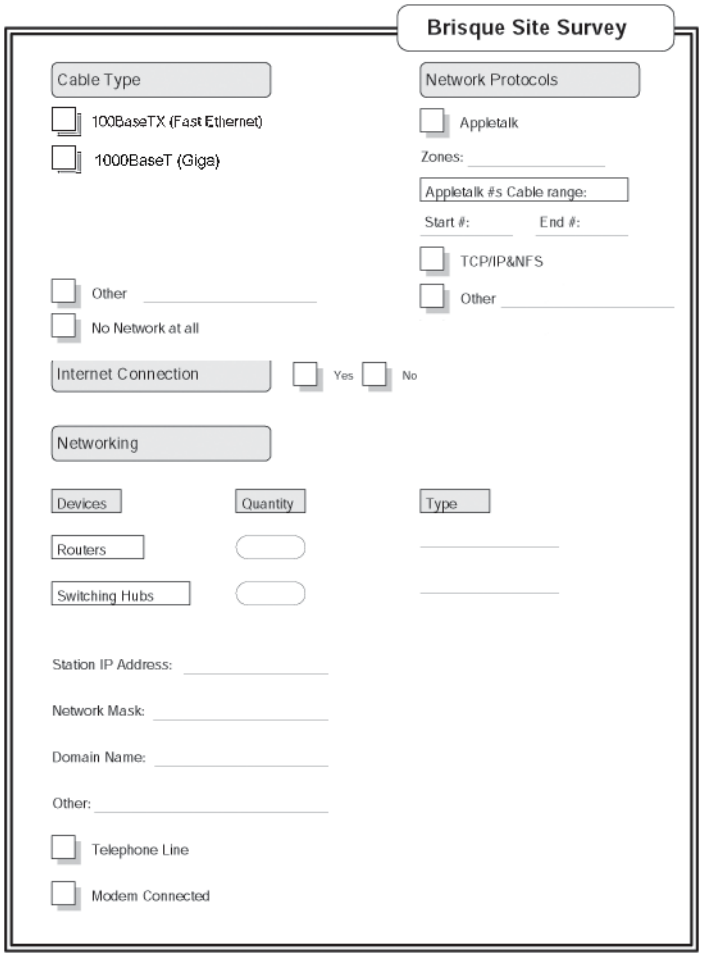


Figure 1: Site Survey form, part 1

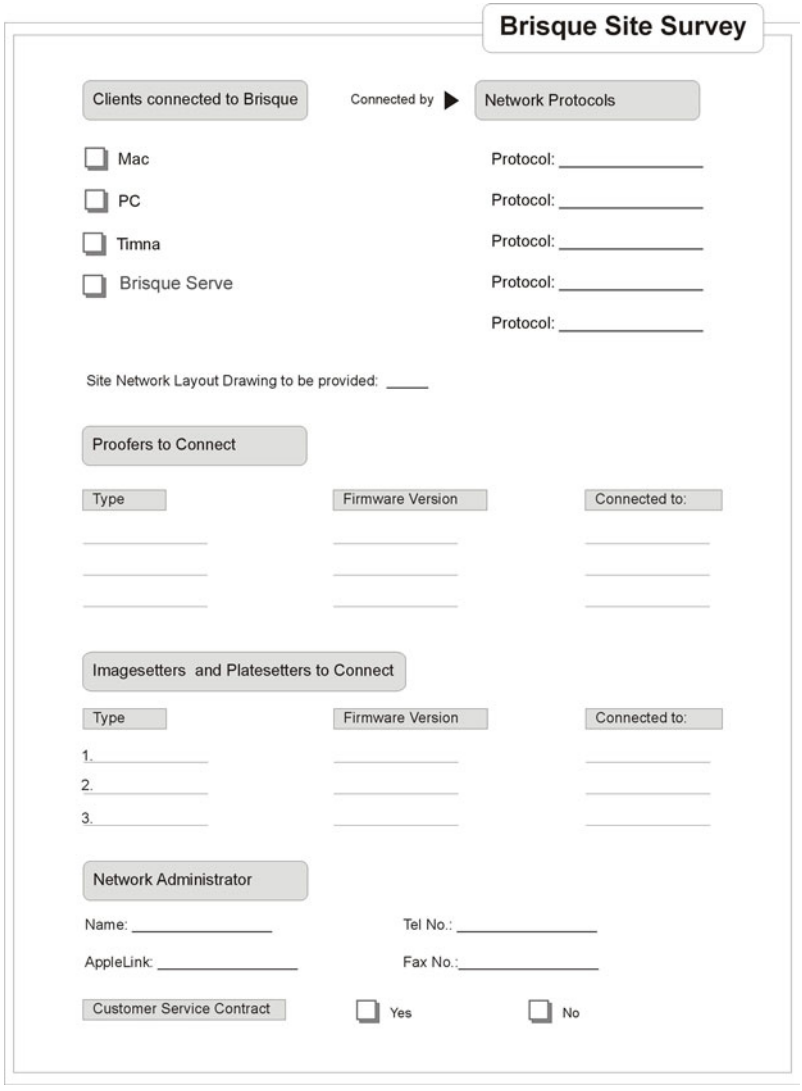


Figure 2: Site Survey form, part 2

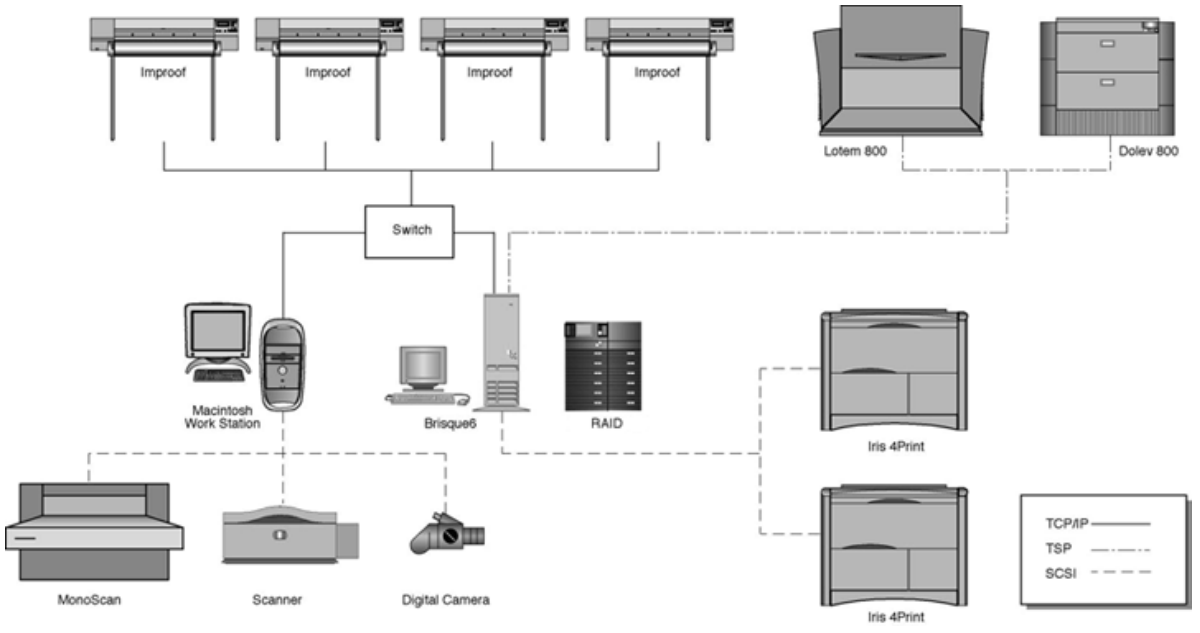


Figure 3: Site Network Layout example

1.2 Site Preparation and Requirements

1.2.1 Network

After completing the site survey and the site survey form, it will be possible to decide whether site preparation is needed. If the site is not equipped with an Ethernet network, such a network will have to be installed.

If the site has one physical network and a heavy load of traffic on it, re-design of the network is recommended, but should be considered as an 'extra' or as a customized installation.

1.2.2 Site Planning

The following points should be also considered when planning the placement of the system:

- Connectivity of Brisque to Imagesetters/Platesetter - data path.
- Connectivity of Brisque to Proofers - SCSI cable path.
- Working environment of personnel who use the system.
- Sufficient space for maintaining and servicing the devices.
- Physical security requirements.
- Heat output of devices.
- Operating temperature requirements of the devices.
- Humidity requirements of devices.
- Air flow requirements.
- Air quality of location (no excessive dust etc.).
- Altitude limitations.
- Noise emission levels of devices.
- Vibration of equipment near where devices are situated.
- Power cord paths.

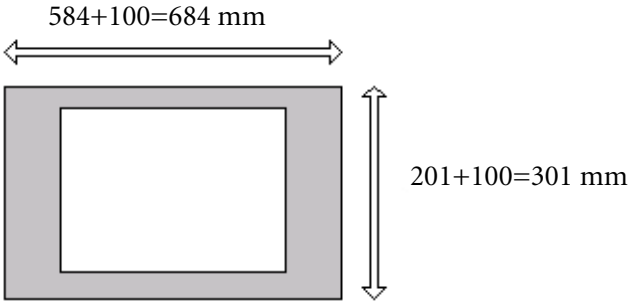


Figure 4: Deskside Footprint

1.3 Unpacking

The first stage in the installation procedure is to unpack your Brisque, and position it in the workplace assigned for it. This section describes how you:

- Unpack the Brisque
- Check the accessories
- Position the Brisque

Before Unpacking:

1. At outside temperatures under -10 C, the Brisque package must be transported in a closed truck under a controlled temperature.
2. If there are any signs of ice on the machine, do not touch any of the mechanical parts. Wait at least 24 hours (preferably 48 hours) for the Brisque to gradually reach room temperature.
3. Do not unpack the Brisque in extreme heat or cold (that is, above 30 C or below 0 C).
4. Check that the shipping packing is undamaged. Pay attention to the Shockwatch device fixed to the outside of the package. It reacts to impact by changing from clear to red.



Note: Do not proceed with the installation if the package is damaged in any way. Contact your service center.

5. Place the shipping package as close as possible to its final location. Before unpacking and installing the Brisque, make sure the unpacking site is large enough to allow easy maneuvering.

1.3.1 Unpacking Procedure



Note: Retain all packing materials in case you need to move the Brisque in the future.

1. Cut the plastic holding straps carefully.
2. Open the box.
3. Remove the accessory packages and the monitor.

4. Remove the upper cover protectors from the Brisque.



Note: Due to the weight of the package (45 kg min. - 70 kg max.), a minimum of two people need to lift the package.

5. Open the box top, lift up the cover carefully over the Brisque, and lift out the Brisque.
6. Carefully move the Brisque and place it as close as possible to its final location.
7. Remove all the other accessory items from their packages.

1.3.2 Checking the Accessory Packages

The Brisque accessory packages contain the items required for the specific Brisque that you ordered. Before installing the Brisque, check that you have received all items contained in the following accessory packages checklist.

Accessory Packages Checklist

Description	#	
Brisque Sticker	1	❒
Brisque Name Plate	1	❒
Brisque Mouse Pad	2	❒
Brisque Quick Start (English*)	1	❒
Brisque Quick Start (German*)	1	❒
Brisque Quick Start (French*)	1	❒
Brisque Password Backup Diskette	1	❒
Installation Diskette*	1	❒
RS-232 Sh 9Rec to 25Pl	1	❒
Brisque CD*	2	❒
CD-PK, Brisque Doc & Train*	1	❒
Brisque Accessories CD*	1	❒
AIX Add-on CD*	1	❒
Creo AIX CD*	1	❒
Support Kit, Brisque	1	❒

External Supraexpress Modem	1	❒

* Supplied in Support Kit

IBM Books supplied with the system:

IBM 6E3 Installation Guide (SA38-0628-00)	1	❒
System Unit safety Information (SA23-2652-08)	1	❒

1.4 Hardware Installation

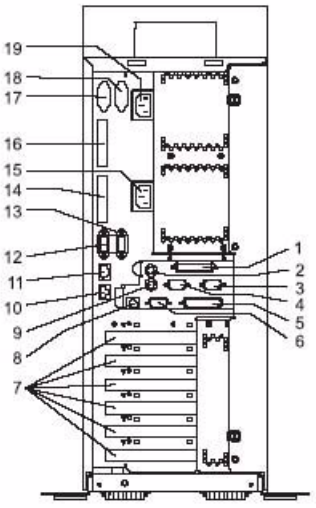
1.4.1 Assembly of Components

To assemble the components of your Brisque refer to the following publications which are supplied with your unit:

- PCI Adapter Placement Reference SA38-0538-20
- 7029-6E3 Installation Guide SA38-0628-00
- 7029-6E3 Service Guide SA38-0630-00 (not OEM)
- 7029-6E3 User Guide SA38-0629-00

1.4.2 Component Diagrams

Refer to the diagram that follows for the location of the Brisque rear components.



1 Parallel Connector
2 Keyboard
3 Serial Connector 2
4 Serial Connector 3
* 5 Test Connector (For Manufacturing Use Only)
6 Serial Connector 1
7 PCI-X Slot Access
* 8 Rack Indicator
9 Mouse
10 1 Gb Ethernet Connector
11 10/100 Gb Ethernet Connector
* 12 Hardware Management Console Connector (HMC 2)
* 13 Hardware Management Console Connector (HMC 1)
* 14 RIO-G Connector 2 (Not Used)
15 Primary Power Supply V2 Receptacle
* 16 RIO-G Connector 1 (Not Used)
* 17 SPCN 2 Connector
* 18 SPCN 1 Connector
19 Redundant Power Supply V1 Receptacle

* - Not used

Figure 5: 6E3 rear view

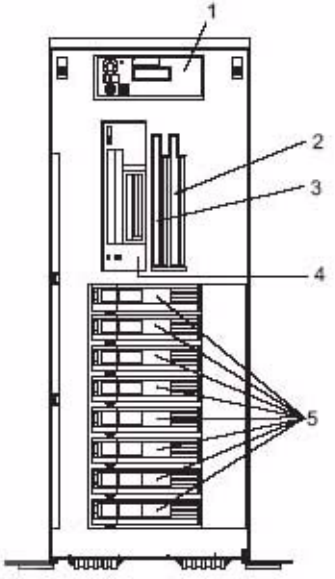
Slot No.	Board Description	Comments
1	Gigabit board *	
2	Fiber channel *	
2	SCSI Differential *	
3	Graphics board	
4	TSP board *	Secondary TSP
5	TSP board *	Main TSP
6	EXP RAID controller *	

6	SCSI LVD *

* = Optional

Note: Long boards: TSP, EXP RAID controller, and SCSI, are suitable for slots 4, 5, 6.
Short boards: Ethernet, FC, and Graphics are suitable for slots 1, 2, 3.
The above slot assignments are recommended by Creo.

Refer to the following diagram for the location of the Brisque front components.



1 Operator Panel
2 Slimline Media Bay (diskette drive)
3 Slimline Media Bay (DVD ROM drive)
4 Full-Height Media Bay (optional)
5 Hot-swap disk drives

Figure 6: 6E3 front view

1.4.3 Installation Procedures

During installation, refer to *Component Diagrams* on page 12, for information on the location of Brisque components.



Note: Do not connect any power cords before all components have been connected to the Brisque.

Refer to Figure 5 on page 13 for position of slots.

1. Connect keyboard cable to keyboard connector [2].
2. Connect mouse cable to mouse connector [9].
3. Connect the monitor cable to the Graphics adapter.
4. Connect the modem cable to the modem and to the serial 2 [3] connector (a telephone line should be connected to the modem's RJ-45 LINE connector). Refer to *Remote Support and Control via Modem* on page 27.
5. Connect the Ethernet network cable to the network and to the 100 BT port [11] or to a 1000 BT port [10].
6. Connect the TSP cable to the TSP adapter for connectivity to an Imagesetter/Platesetter. For TSP adapter installation, see *Installing the TSP-U Board* on page 35.
7. After connecting all interface cables, connect power cables to devices' power connectors and to electrical outlets (the Brisque, monitor, and modem each have separate power supplies).
8. To power up the system, refer to *Powering Up the Brisque* on page 19.
9. Stick the Brisque sticker and nameplate on the monitor. Use the labelling instructions supplied with the machine.

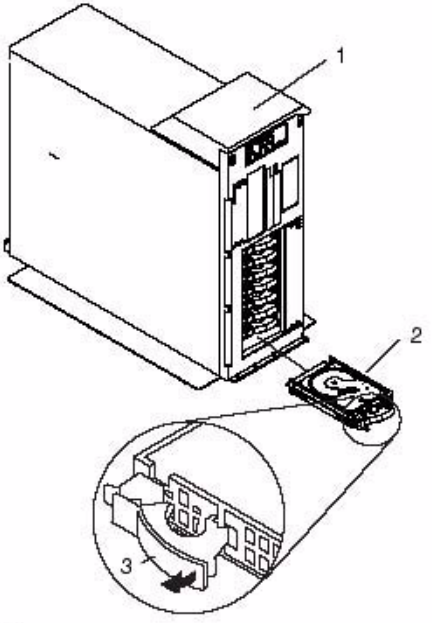
1.5 Adding a Hard Disk

Note: Refer to IBM publication 6E3 User's Guide for additional hardware installation information.

1.5.1 Add a Disk Using Swappable Slots

Important: Creo does not support adding/removing a disk when the machine's power is on.

1. Install the drive into the free slot and lock it in place using the handle. Refer to Appendix C, *Adding Disk Drive* on page 87 for instructions.

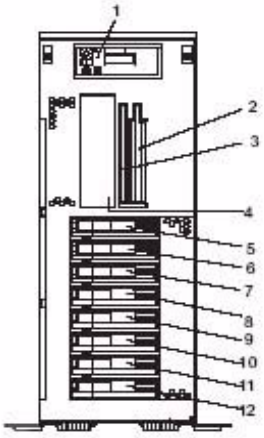


1 - Model 6E3
2 - Disk drive
3 - Disk drive release handle

Figure 7: Adding a disk

Note: The four lower slots are available only with the optional backplane. Refer to *Adding Disk Drive Backplane* on page 91 for instructions.

2. Reboot the system.



Index	Drive Name	SCSI ID	
1	Operator Panel		
2	Diskette Drive or IDE Optical Drive	Location code U0.1-P1-X1-D1 for a diskette drive or U0.1-P1-X1/Q6-A1 for an optical drive	
3	IDE CD-ROM (Default) or IDE DVD-ROM (Optional)	IDE (Non-SCSI)	
4	Tape Drive (Optional)	SCSI ID 0	
	SCSI DVD-RAM (Optional)	SCSI ID 1	
5	Disk Drive 8	SCSI Bus 0	SCSI ID 3
6	Disk Drive 7		SCSI ID 4
7	Disk Drive 6		SCSI ID 5
8	Disk Drive 5		SCSI ID 8
9	Disk Drive 4	SCSI Bus 1	SCSI ID 3 *
10	Disk Drive 3		SCSI ID 4 *
11	Disk Drive 2		SCSI ID 5 *
12	Disk Drive 1		SCSI ID 8 *

* - optional with second back plane

Figure 8: Disk Locations

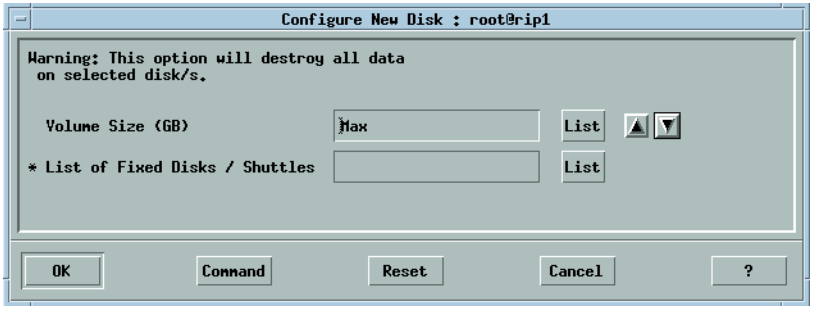
1.5.2 Configuring a New Hard Disk

This section describes how to configure a new hard disk after it has been installed.

To configure a new hard disk:

1. Logout from the Creo application and then login as **root**.
2. At the command prompt, type **scismit** and then press **Enter**.

3. From the *SciSmit* main menu, select **Devices > Fixed Disks > Configure New Disk** and then press **Enter**. The Configure New Disk window appears.



4. Use the **Tab** key, or press **F4**, to select the **Volume Size** (**2 GB, 4 GB, 8 GB, 16 GB, 32 GB, 64 GB, 128 GB, or Max**) of the disk that you want to configure. The default is **Max**.
5. Select the **List of Fixed Disks/Shuttles** option and then press **F4** to display a list of new disks.
6. Select the disk that you want to configure and then press **Enter** twice. The `Are you sure?` popup window appears.
7. Press **Enter** to run the configuration.
   The Command Status window appears, displaying an **OK** status for a successful operation.
8. Select **F10** to exit scismit.

1.5.3 Disk Striping

Disk striping allows data to be striped simultaneously, in single or multiple block chunks, across 2 disks of the same size and same type. This is the recommended method to achieve better performance when adding pairs of disks.

There is no redundancy, however if there is a hard disk failure in one of the striped disks, the data on the second disk will also be affected. Refer to SciSmit, for procedures on disk striping.

1.6 Powering Up the Brisque

During the powering up procedure, refer to *Component Diagrams* on page 12, for information on the location of Brisque components.

To power up the system:

1. Switch on the monitor (auto-adjusting voltage), and check the power LED on the front panel.
2. Switch on any other devices with their own power supplies.
3. Switch on any Proofers, Imagesetters and PlateSetters connected to the Brisque.
4. Press the Power on switch on the Brisque front panel [B].
   - ❒ The system begins its normal start-up routine and is ready for initialization, configuration and setup.
   - ❒ After being powered up the system goes through a series of initialization processes and self-tests. After a few minutes, a login screen appears:
     ```
     AIX  Version 5.2
     (c)  IBM 2002
     Console login:
     ```
5. At the Console login, type **cdesci** and press **Enter** twice to access the Creo application.
   Or, type **root** and then the password to access the station configuration (smit, scismit, etc.)

1.7 Configuring the Date/Time

After powering up the Brisque, you must configure the date and time.

1.8 Configuring the TCP/IP Network

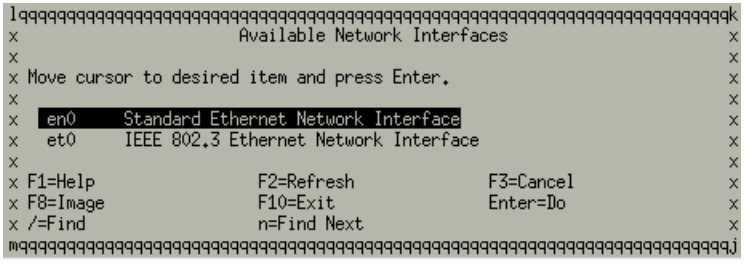
This section describes how to configure the TCP/IP network, which consists of the following procedures:

- Configuring TCP/IP for a Local Station
- Configuring TCP/IP for a Remote Station (Hosts Table)

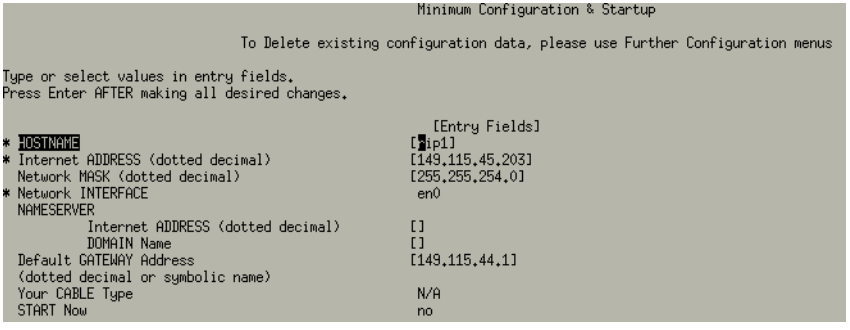
1.8.1 Configuring TCP/IP for a Local Station

To configure TCP/IP for a local station:

1. At the command prompt, type **smit tcpip** and then press **Enter.**
2. Select the **Minimum Configuration and Startup** option in the TCP/IP window and then press **Enter.** The Available Network Interfaces window appears.



3. Select **en0** and then press **Enter.** The Minimum Configuration & Startup window appears, displaying the setup parameters.





Note: For sites where a configured TCP/IP network already exists (with or without routers), the Site Network Administrator should provide the following network address parameters for each Brisque interface:

- Mandatory: IP Address and Network Mask

- If Required: Default Gateway Address and DNS Address

For more information about Creo IP address structures, refer to Appendix A, Creo IP Address Structure Recommendations.

When you configure the Brisque with a new IP address, remove the old IP address of the local Brisque from the Hosts Table, as described in Removing a Host.

4. Set the configuration parameters, as follows:

HOSTNAME	The local host name is set to the default name at the production line.
Internet ADDRESS	Enter the Internet address of the local station.
Network MASK	An empty Network Mask field indicates that the default Network Mask is being used. The Brisque default IP addresses belong to Class C, whose default address is 255.255.255.0.
Network INTERFACE	This field displays the interface being configured, for example, en0.
Your CABLE Type	This field is automatically sensed and displays N/A as the default. Toggle this option with the **TAB** key to select the site's cable type
START Now	Toggle this option with the **TAB** key to change from no to yes.

5. After the changes have been made, press **Enter.** The Command Status window appears, displaying an **OK** status for a successful configuration.
6. Select **F10** to exit Smit.

1.8.2 Configuring TCP/IP for a Remote Station (Hosts Table)

This section describes how to configure TCP/IP for a remote station, which consists of the following procedures:

- Accessing the Hosts Table
- Adding a Host
- Validating the Hostname List
- Removing a Host



Note: To enable proper communication, you must add the hostname and IP address of all remote stations.

Accessing the Hosts Table

➢ At the command prompt, type **smit hosts** and then press **Enter** to reach the Hosts Table window directly.

Adding a Host

1. From the Hosts Table window, select the **Add a Host** option and then press **Enter**. The Add a HostName window appears.
2. Select the **Internet Address** field and then type in the required IP Address (consult the System Administrator, if necessary).
3. Select the **Hostname** field and then type in the name of the additional host.
4. Press **Enter**. The Command Status window appears, displaying an **OK** status.
5. Press **F3** to return to the Hosts Table window.
6. Select the **List All Hosts** option and then press **Enter** to verify that the new host was added.
7. Press **F3** to return to the Hosts Table window.

Validating the Hostname List



Note: By default, the network Creo IP address is written to the hostname list (192.9.100.1).

If the IP address of your station (configured in the TCP/IP menu) is different than the Creo IP default address, then two listings for the same station will appear in the hostname list.

Remove any incorrect host names and IP addresses from the list, as described in Removing a Host in the section that follows.

1. From the Hosts Table window, select the **List All Hosts** option and then press **Enter.**
2. Check that the list is valid. At least the first two entries should be included:

127.0.0.1	local host (Loopback)
Your Internet Address	Your Hostname
Remote Internet Address	Remote Hostname

3. Press **F3** to return to the Hosts Table window.

Removing a Host

1. From the Hosts Table window, select the **Remove a Host** option and then press **Enter.** The Remove a Host window appears, displaying the Hostname or Internet Address field as highlighted.
2. Press **F4** to display the Hosts list.
3. Select the host that you want to delete and then press **Enter.** The `Are you sure?` popup window appears.
4. Press **Enter** to complete the operation.
5. Press **F3** to return to the Hosts Table window.
6. Select the **List All Hosts** option and then press **Enter** to verify that the host was deleted from the list.
7. Press **F10** to exit Smit.

1.8.3 Verifying TCP/IP Installation

- At the command prompt, type **ping** and then the **station name**. You should receive a continuous reply with TCP/IP details.
  Try pinging the station itself (for example, ping brisque1) as well as any remote stations, if available.

1.9 NFS Setup Using SMIT

This procedure describes the NFS setup using Smit to mount volumes of any remote users, for example, other UNIX, Windows NT or Novell users.

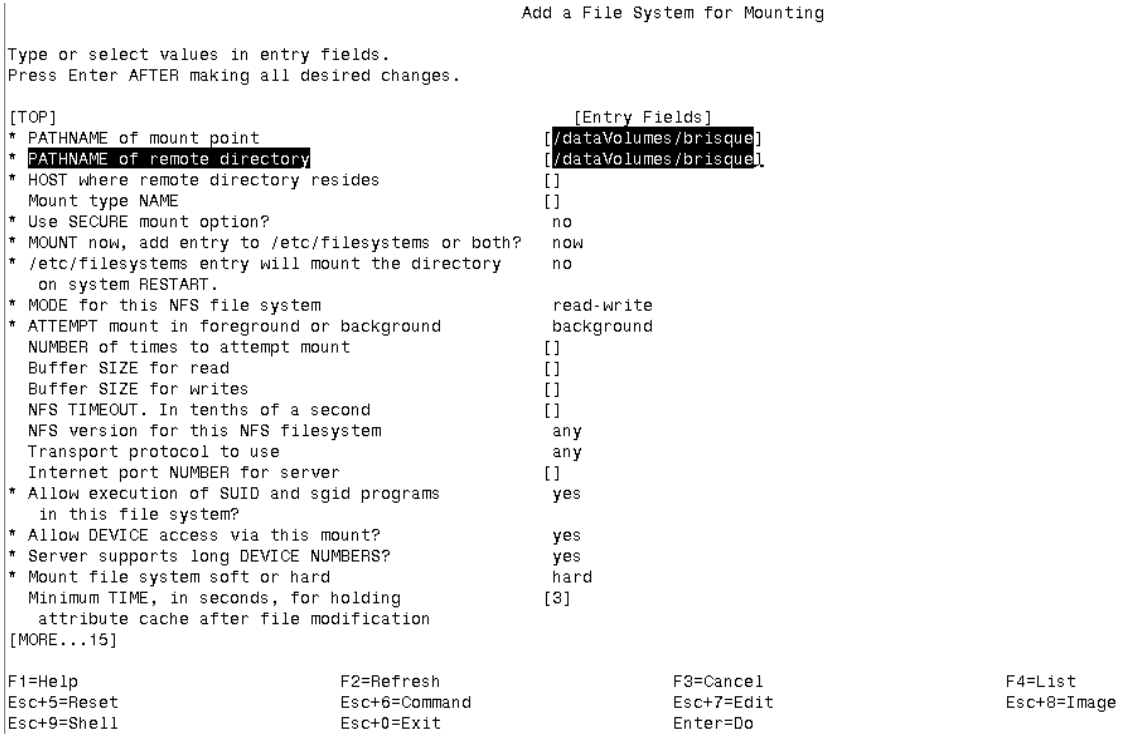
1. Activate the Smit utility by typing:

   smit mknfsmnt and press **Enter**.

   The Add a File System for Mounting screen appears.

2. Highlight the first field, **Pathname of mount point** and type in the entry fields column the mount point, in this example **/dataVolumes/brisque**.

3. Move to the next field below and type in the Pathname of remote directory, in this example **/dataVolumes/brisque**.



4. Move to the next field below and type in the station name in the *Host where remote directory resides entry* field, in this example **brisque**.

5. Highlight the **Mount now...** field and use the **TAB** key to toggle to both at the pop-up window.

6. Similarly toggle the next field to **yes**.
7. Toggle the next field between **read-only** and **read-write**.
8. Toggle the next field to **background** if necessary.
9. Scroll down using the directional arrow keys and change **mount file system soft or hard** to **soft**.
10. Press **Enter** after all changes are made and press **Enter** again at the `Are You Sure?` pop-up window.
11. Repeat this procedure for each file system that is to be mounted.
12. Press **F10** to exit Smit and return to the prompt.

1.10 Remote Support and Control via Modem

The remote support of this product is carried out via a modem and utilizing communication software. Therefore, a dedicated phone that will also be connected to the modem must be allocated. The modem is connected to the Brisque.

The remote access via a modem enables connection to the customer's Brisque in order to perform technical support directly.

Installation Procedure Outline

1. Install hardware - connect modem to Brisque.
2. Configure serial port and modem on the Brisque.
3. Check modem operation.

Hardware Required

Item#	Item	Description	Qty	Cat#
1.	Modem	Suprafax Ext. 56 K	1	605A70401

1.10.1 Modem Installation Procedure

1. Connect the cable 9-pin side to the modem and to the 9-pin side (COM 2) on the Brisque, as shown in Figure 5 on page 13.
2. Connect the power cable from the modem to a power source and connect the dedicated telephone line to the modem, as shown in Figure 9 on page 28.
3. Connect the dedicated telephone line to the modem, as shown in Figure 9 on page 28.



Note: Proceed with the installation even if there is no dedicated telephone line available.

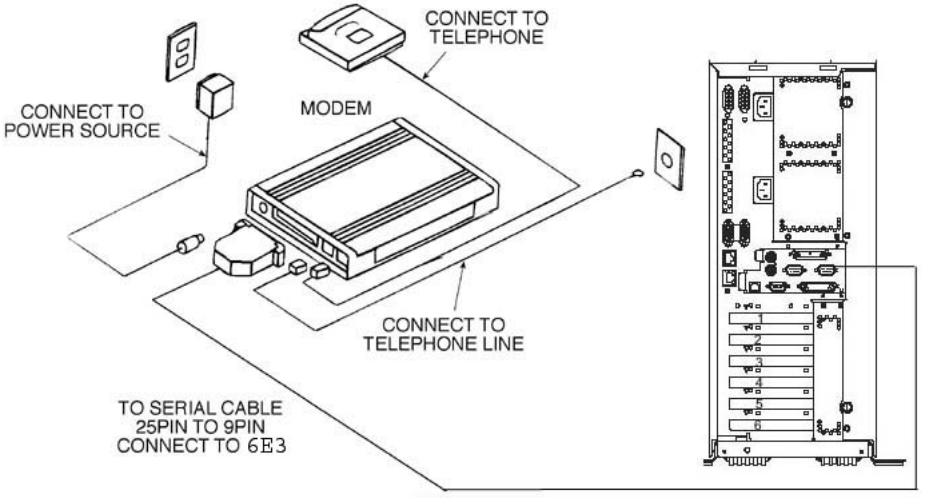


Figure 9: Modem connections, schematic view

1.10.2 Modem Configuration

Note: Ensure that the modem is properly connected (COM2), then power on the Modem and the Brisque (Power up the Brisque, refer to *Section 1.6 Powering Up the Brisque on page 19*).

1. At the Console login, type **root** and enter your password (default **ripro**) and then press **Enter**.
2. At the command prompt, type **scismit** and press **Enter**.
3. From the scismit main menu, select **Remote Support** > **Install Analog Modem** > **Supra Express**.
4. Press **F4** and select **tty1** (**com2**).
5. Press **Enter**.
6. When you are prompted `Are you sure?`, press **Enter**.

1.11 Saving and Restoring Configuration Files

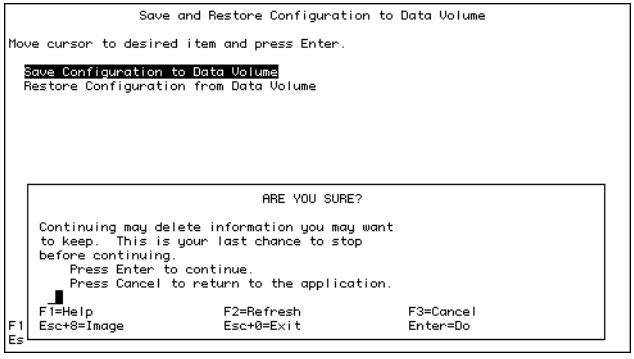
This section describes how to save and restore predefined configuration files (such as hot-folder setup, users and groups, and print spoolers, which are unique for each Brisque) and contains the following procedures:

- Saving the Configuration Files to a DataVolume
- Restoring the Configuration Files from a DataVolume

Note: It is recommended to save the configuration files frequently.

1.11.1 Saving the Configuration Files to a DataVolume

1. From the **SciSmit** main menu, select **Backup and Restore > Save and Restore Configuration to dataVolume.**
   The Save and Restore Configuration to Data Volume window appears.



2. Select the **Save Configuration to Data Volume** option and then press **Enter.** The `Are You Sure?` popup window appears.
3. Press **Enter** to complete the operation. The Command Status window appears, displaying the processes on the screen and then returns an **OK** status for a successful save operation.

Note: If a **failed** status is returned, scroll the screen to locate the reason for the failure. In most cases, it is due to a missing DIT password (TransferPro), missing APR path or missing license.

1.11.2 Restoring the Configuration Files from a DataVolume



Important: Restoring configuration files can only be performed for files of the same version in which the configuration was saved. For example, a saved configuration from Version 3.0 cannot be restored into Version 4.0.

To restore the configuration files from a dataVolume:

1. From the **SciSmit** main menu, select **Backup and Restore > Save and Restore Configuration to dataVolume**.

   The Save and Restore Configuration to Data Volume window appears (shown in *Saving the Configuration Files to a DataVolume* on page 29).

2. Select the **Restore Configuration from Data Volume** option and then press **Enter.** The `Are You Sure?` popup window appears.

3. Press **Enter** to complete the operation. The Command Status window appears, displaying an **OK** status for a successful restore operation.

2

Connecting Output Devices to the 6E3

Starting the Output Device Configuration 32
Connecting an Imagesetter 35
Connecting the Brisque to a Lotem/Lotem Quantum/Lotem Quantum Spectrum 42
Configuring the Platesetter Devices 49
Connecting Brisque to a Trendsetter 56
Installing a Proofer 56
Connecting to an Improof via a Parallel Port 68
Connecting to an Improof via the Network (TCP/IP) 68
Configuring the KodakXP4 as a Halftone Proofer 74

2.1 Starting the Output Device Configuration



Note: As of Brisque version 5, the Output devices configuration has changed. The new configuration procedure follows.

To start the Output Device Configuration:

- From the Brisque menu, open **Services > Device Config**. The Output Devices Handling window appears (see Figure 10 on page 33).

2.1.1 The Output Devices Configuration Main Window

From the Output Devices Handling window all configurations of the output devices are performed. From here new devices are configured, currently configured devices modified or deleted and previously configured devices are re-configured periodically.

All the device groups, device families and device configuration connections are displayed in this window, as well as the various operations relevant to each of the connected configurations. The device specific operations and the general operations relevant to all output devices are accessed via the available operation buttons in the Operations area.

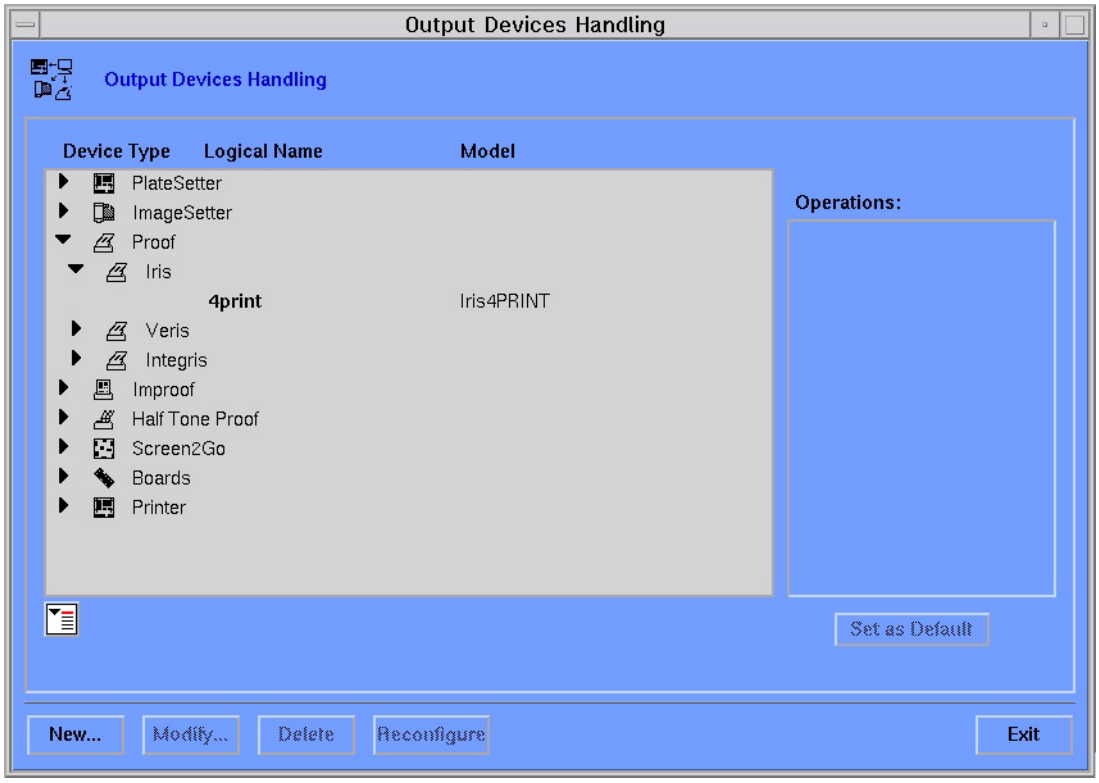


Figure 10: The Output Devices Handling Window

Device Type—this area displays the Device Groups, such as Platesetter, Imagesetter, Proof, Improof and Half Tone Proof. Under each group the list of Device Families appear, such as Lotem and Trendsetter for the Platesetter group, Lotem Spectrum, Trendsetter Spectrum and Kodak for the Half Tone Proof group.
Each level is locally expandable/collapsible, using the triangular button at the left bottom corner.

Logical Name—this column displays the name of a specific configuration connection. When highlighted, the relevant operations in the Operation area are enabled.

Model—this column displays the physical device name.

Expand/Collapse icon

Click to spread or contract the list of devices to show or hide all details.

New...

Click to open the New Device Wizard and start the process of configuring a new device.

Modify...

Click to modify parameters for an existing output device.

Delete

Click to delete an established configuration to an output device.

Reconfigure

Reestablishes the connection to the device. Click **Reconfigure** to re-engage the device (Online mode); a message is displayed confirming the connection or warning of the failure to connect. When a device is configured the data is read and registered in the Brisque database. Disengaging the device, or failure of a component is not logged in the Brisque, and there is no mechanism to warn of the device disconnection.



Important: Therefore it is recommended to reconfigure the device prior to every operation.

Operations area

Operations relating to output devices are invoked from here. The operations are enabled only when a particular configuration connection is selected. Some operations are connection-specific, some are applicable to all output devices.

Set as Default

Sets the default device when several devices of the same type are configured. The default device appears in **green** and it automatically appears in various windows when performing operations relevant to the device.

To change default device:

1. Select the device displayed in black.
2. Click **Set as Default.** The selected device is displayed in green.

Exit

Exit the configuration window.

2.2 Connecting an Imagesetter

This section describes how to connect an Imagesetter to the Brisque using the TSP board, which consists of the following procedures:

- Installing the TSP Board
- Connecting the Brisque via a TSP Data Cable Link
- Verifying the TSP Board Installation



Note: If the TSP board is already installed on the Brisque, you do not need to perform the procedure in the following section.

- Configure Imagesetter.

2.2.1 Installing the TSP-U Board

Installation of the TSP board requires the following:

- TSP-U board (new TSP board)
- TSP data cable (depending on the output device)
- Software Version 5.0 or higher

To install the TSP board:

1. Shut down the Brisque using the appropriate shutdown commands and disconnect the power cable. (This will also turn off the system).
2. Remove the computer covers (refer to the *IBM 6E3 Service Guide, SA38-0630-02, Chapter 9*).
3. Remove the expansion slot cover from slot **5**.
4. Install the TSP board into slot **5**; the second TSP should be installed in slot **4**.
   Ensure that the TSP boards are firmly fitted into their slots.
5. Replace the computer covers.
6. Reconnect the power cable.

2.2.2 Connecting the Brisque Using a TSP Data Cable Link

- Connect the TSP data cable between the TSP board on the Brisque to the host connector in the Imagesetter according to the Imagesetter type. (Refer to the TSP Installation Guide.)

2.2.3 Configuring the Imagesetter Devices

Configuring the Dolev Imagesetter

To invoke the Output Device Configuration, refer to *Starting the Output Device Configuration* on page 32.

To configure a New Dolev imagesetter:

1. In the Output Device Handling window, click **New...**
   The following window appears.



2. Press **Next.**
3. In the **Logical Name** box, type a logical name.



4. From the **Device Group** list box, select **Imagesetter.**
   The Device Family list box should be labeled Dolev. If not, select **Dolev** from the list.

5. Select the requested TSP board from the **Screen Board** list box (TSP0 or TSP1, if two boards are mounted in the Brisque station).

6. Click **Next**.
   If the selected Screen Board is already in use, a warning dialog is displayed, enabling a halt to allow another board selection.
   If the configuration is successful a device summary appears.



7. Click **Next**, to save the configuration connection.
   If the connection was successful, a message stating the fact appears for a few seconds, then the connection is displayed in the Output Devices Handling window, under the Dolev icon.

To Reconfigure the Dolev imagesetter:

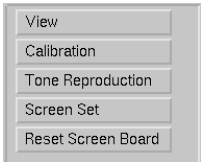
- In the Output Device Handling window, select the **Dolev configuration connection** and click **Reconfigure**. The Brisque re-reads the data from the device and confirms the connection—a confirmation message is displayed for a few seconds if the device has been re-connected. Otherwise, a failure message appears.



Note: In case of failure check the physical connection and the remote device, then try to reconfigure.

The Dolev Imagesetter Operations

View



This operation allows you to view the device parameters, set in the database.

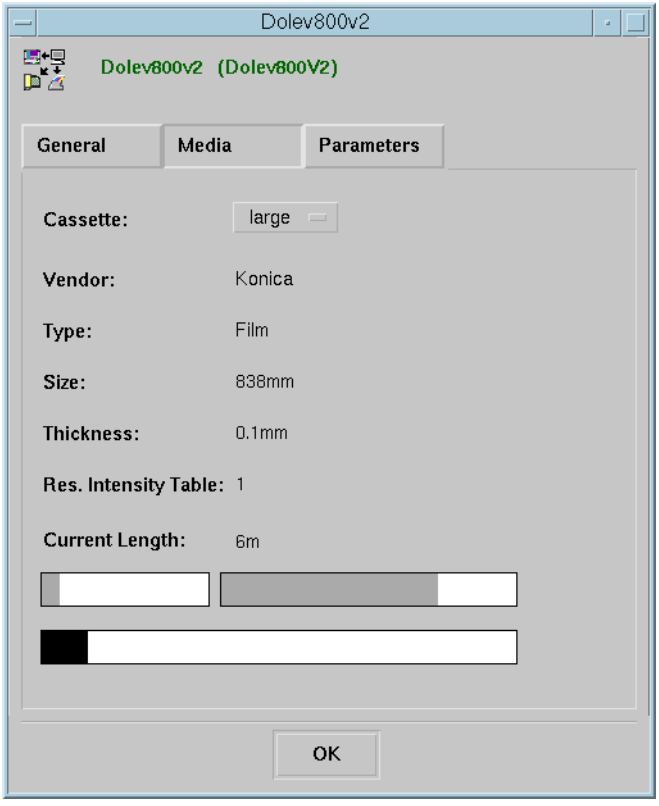
To view the selected Dolev parameters:

1. Click **View**. The Dolev parameters window, containing three tabs, appears.
2. Click the **General** tab. The General tab displays the configuration parameters.

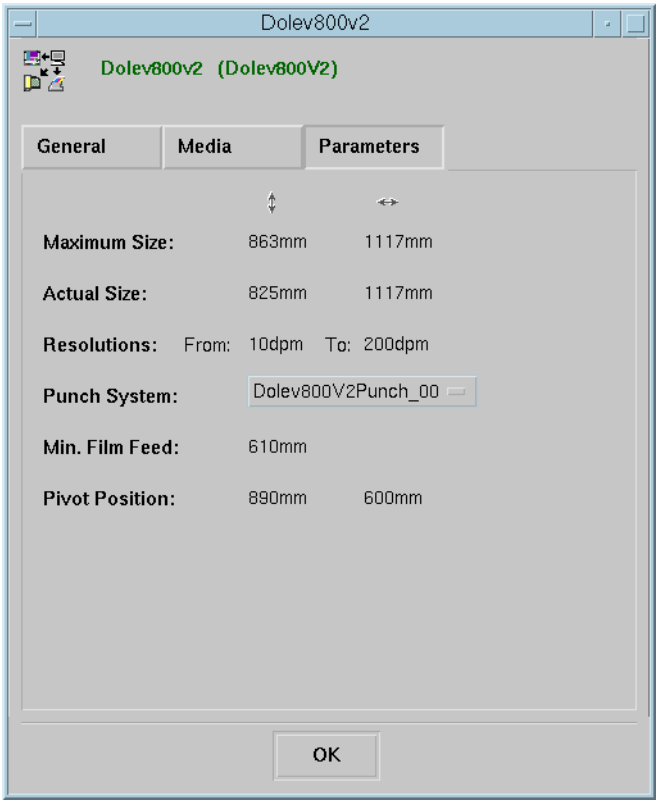


3. Click the **Media** tab.
   The Media tab displays information on the input media, its type (film), size, quantity (in running meters) and thickness, as well as the Resolution Intensity Table.

The delivery system (cassette) is displayed graphically, the cassette in use is represented in **black**, the others are represented in **gray**. Use the Cassette drop list to select a cassette and display it's content in **Black**.



4. Click the **Parameters** tab; the Parameters tab displays exposure parameters such as height, width and resolution of the expose.



5. Click **OK** to exit.

2.3 Connecting the Brisque to a Lotem/Lotem Quantum/Lotem Quantum Spectrum

This section describes how to connect the Brisque to the following devices:

1. Lotem family—refers to Lotem 800 (S & F speeds), Lotem 400, Lotem 400 with MCU, ThermoFlex Narrow/Mid, Lotem XL.
2. Lotem 800 II S & V, and Lotem 800 II Quantum S & V, with or without Spectrum
3. Trendsetter Spectrum

The procedure consists of the following procedures:

- Connecting the Brisque via a TSP Data Cable Link to the Lotem family, or, connecting the Brisque to the Lotem 800 II/Quantum family
- Setting up TCP/IP Connectivity
- Verifying the TSP-U Boards installation

2.3.1 Connecting the TSP Data Cable to Lotem Family



Note: For TSP board installation refer to *Section 2.2.1 Installing the TSP-U Board on page 35*.

To connect the TSP data cable link between the Brisque and a Lotem:

➢ Connect the TSP data cable (part number 504L1L670) between the TSP-U board on the Brisque to the data connector in the L-box on the Lotem.

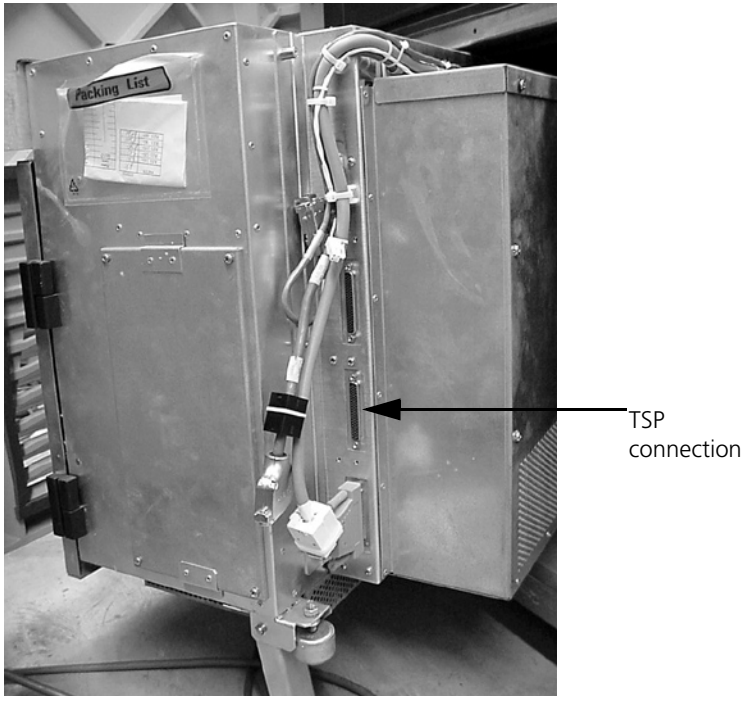


Figure 11: Connecting TSP Data cable link (data connectivity)

2.3.2 Connecting the TSP Data Cable to Lotem Quantum

Brisque is connected to Lotem Quantum using two TSP-U boards. One board (TSP1) is installed on slot **5**, and the second board (TSP2) is installed on slot **4**. For TSP Boards installation, refer to *Verifying the Installation of TSP-U Board* on page 48.

To connect the TSP data cable link between the Brisque and a Lotem 800 II Quantum or Lotem 800 II:

Connect the TSP split cable (199D20024) between the Lotem Quantum and the Brisque. Connect the TSP1 cable to the board in slot **5**; and the TSP2 cable to the board in slot **4**.

2.3.3 Setting Up TCP/IP Connectivity

There are two methods of setting up the TCP/IP connection between the Brisque and the Lotem:

Recommended

Connect the Brisque and the Lotem to the site network infrastructure.

Alternative

Connect the Brisque directly to the Lotem controller using the special network cross cable (part number 199A02132) supplied with the Lotem.

Setting Up TCP/IP Connectivity via the Network (Recommended)

TCP/IP connectivity via the network involves connecting both the Brisque and the Lotem to the site network infrastructure, and consists of the following procedures:

- Connecting the Brisque to the Lotem Controller
- Defining the IP Address on the Lotem Controller
- Defining the IP Address on the Brisque

Connecting the Brisque to the Lotem Controller (via the hub)

1. Verify that the Brisque is connected to the network via the second (en1) 10BaseT/100BaseTX Ethernet port (refer to Figure 5 on page 13.)
2. Connect the Lotem Controller E-box network port to the communication network switching hub (refer to figure below).

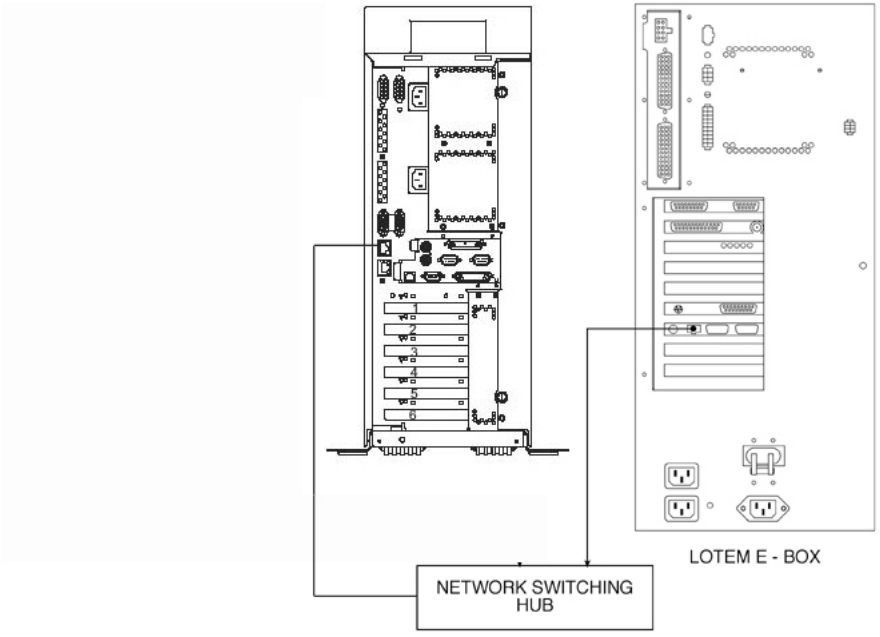


Figure 12: Brisque/Lotem Network Connections

Defining the IP Address on the Lotem Controller

Note: The system administrator should provide the IP address and subnet mask.

1. Power on the Lotem.
2. In Windows, select **Start > Settings > Control Panel**.
   The Control Panel window appears.
3. Double-click the **Network** icon.
   The Network (viewing mode) window appears.
4. Select the **Configuration** tab and then double-click **TCP/IP Protocol.**
   The TCP/IP Properties window appears.
5. Type in the **IP Address** and the **Subnet Mask** for the Lotem PC Controller and then click **OK** twice.
6. Launch the application by double-clicking the **Lotem application** icon.

7. Verify that the system executes the startup sequence.

Defining the IP Address on the Brisque

Refer to *Configuring TCP/IP for a Local Station* on page 20.

Verifying the TCP/IP Connection

1. From the Launch Pad, open the **Services** sub-panel.
2. Double-click the **Terminal** icon. The Password dialog appears.
3. Type **root** in the User field and your password in the **Password** field (default **ripro**) and then press **Enter**.
4. At the command prompt, type **ping** `<Lotem PC Controller IP Address>` and check for good connectivity.
5. To stop the ping operation, at the command prompt, press **CTRL+C**.

Setting Up TCP/IP Connectivity Using a Cross Cable (Alternative)

The direct link solution involves connecting the Brisque directly to the Lotem PC Controller using the special network cross cable (part number 199A02132) supplied with the Lotem, this cable cannot be used for network connection.

This section describes how to set up the TCP/IP connectivity via a direct link and includes the following procedures:

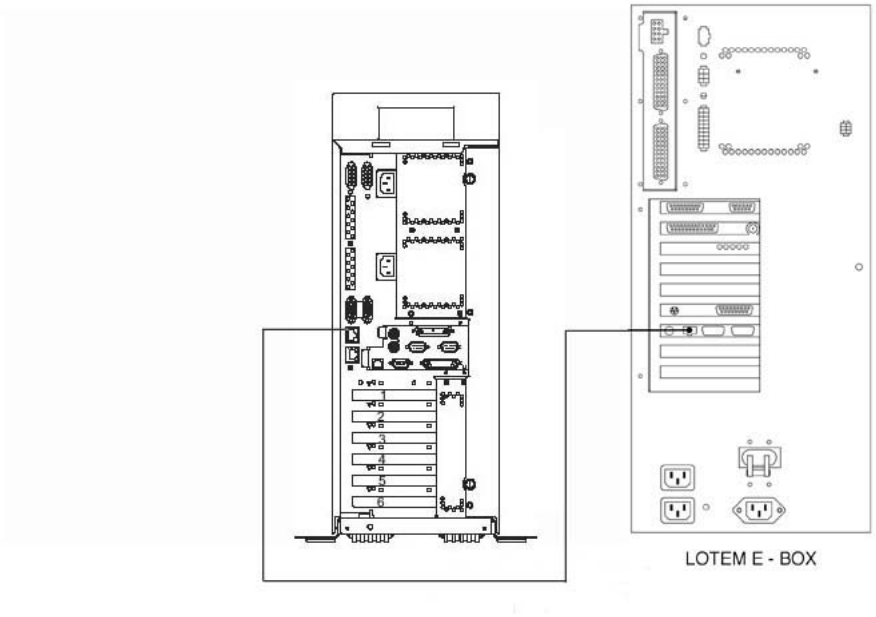
- Connecting the Brisque to the Lotem Controller
- Defining the IP Address on the Lotem Controller
- Defining the IP Address on the Brisque.

Connecting the Brisque to the Lotem Controller (direct connection)

Connecting the Brisque to the Lotem Controller:

- Connect the twisted pair network cable from the Brisque to the network interface in the E-box, located on the right side of the Lotem.

Note: The Lotem controller and the Brisque must have individual IP addresses.



Defining the IP Address on the Lotem Controller

1. Power on the Lotem.
2. In Windows, select **Start > Settings > Control Panel**. The Control Panel window appears.
3. Double-click the **Network** icon. The Network (view mode) window appears.
4. Select the **Configuration** tab and then double-click **TCP/IP Protocol**. The TCP/IP Properties window appears.

5. Type the **IP Address** (e.g. 192.9.100.2) and the **Subnet** (e.g. 255.255.255.0) for the Lotem Controller and then click **OK** twice.
6. Launch the application by double-clicking the **Lotem** application icon.
7. Verify that the system executes the startup sequence.

Defining the IP Address on the Brisque

1. At the Brisque command prompt, type **smit tcpip**.
2. From the SMIT TCP/IP menu, select **Further Configuration > Network Interfaces > Network Interface Selection > Change/Show Characteristics of Network Interface**.
   The Available Network Interfaces window appears.
3. Select **en1** and press **Enter**.
4. In the **Internal Address** field type in the **IP address** of the interface board (e.g. 192.9.100.1).
5. In the **Network Mask** field type in the **address** of the Subnet Mask (e.g. 255.255.255.0).
6. Toggle the **Current Status** field to **Up** and then press **Enter**.
   An OK status now appears.
7. Press **F10** to exit Smit.

2.3.4 Verifying the Installation of TSP-U Board

1. Open a terminal window.
2. At the command line prompt, type `lsdev -Cs pci`.
3. Verify that the TSP board **tspx** is available.



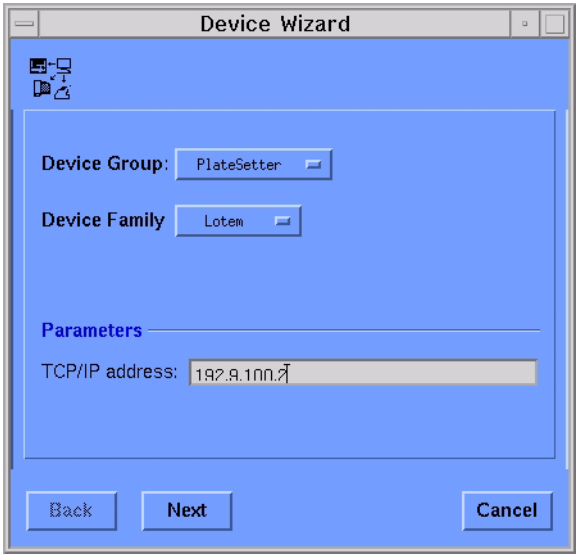
Note: Two TSP boards are installed in the Lotem 800 II V, and Lotem 800 II Quantum V and Lotem 400 Quantum.

2.4 Configuring the Platesetter Devices

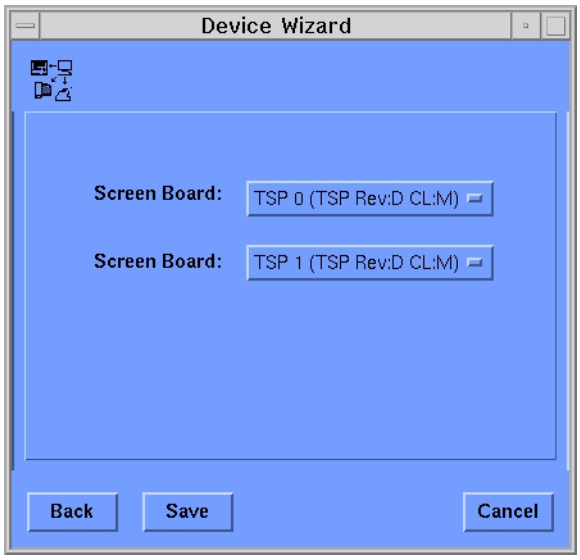
To configure a new Lotem platesetter:

1. From the **Services** menu, select **Platesetters > Device Config**. The Device Wizard window appears for the Lotem platesetter.
2. From the **Device Group** list box, select **PlateSetter**.

   The **Device Family** list box should be labeled **Lotem**. If not, select **Lotem** from the list and then select **New**.



3. In the **TCP/IP address** box, type **the address of the Lotem Controller** (for example, type **192.9.100.2**).
4. Click **Next**.
5. Type a **logical name** for the device and click **Next**.
6. Click **Next** and verify that the two TSP boards are defined.



Note: Only the Lotem 800 II and Lotem 800 II Quantum have two TSP boards.

7. Click **Save** to complete the configuration.
   The configuration connection is saved.
   If the connection was successful, an appropriate message appears for a few seconds, and then the connection is displayed in the Output Devices Handling window, under the Lotem icon.

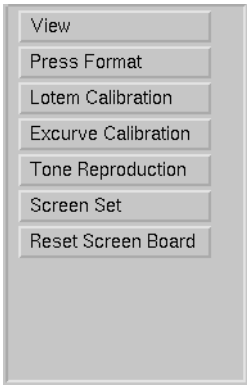
To Reconfigure the Lotem platesetter:

➢ In the Output Device Handling window, select the **Lotem configuration connection** and click **Reconfigure**.

The Brisque re-reads the data from the device and confirms the connection, displaying a confirmation dialog for a few seconds, if the device has been re-connected. Otherwise, a failure message appears.

Note: In case of failure check the physical connection and the remote device, then try to reconfigure.

2.4.1 The Lotem Platesetter Operations

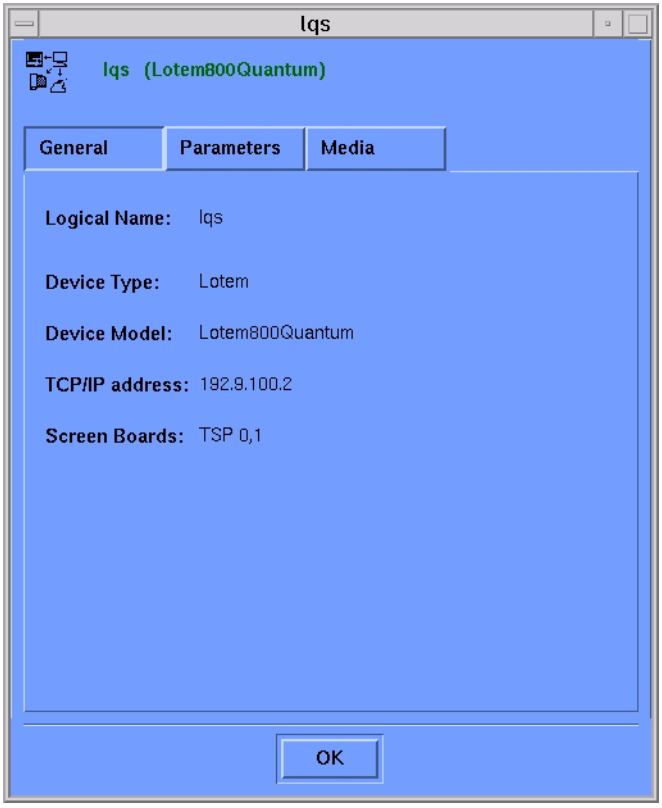


View

This operation allows the user to view the device parameters, set in the PC controller database.

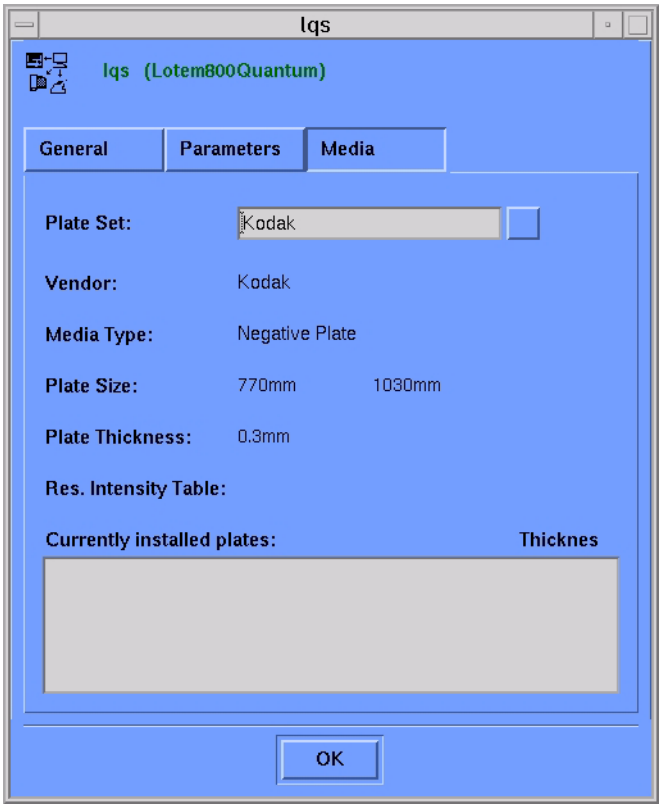
To view the selected Lotem parameters:

1. Click **View.**
   The Lotem parameters window, containing three tabs, appears.
2. Click the **General** tab.
   The General tab displays the connection parameters.

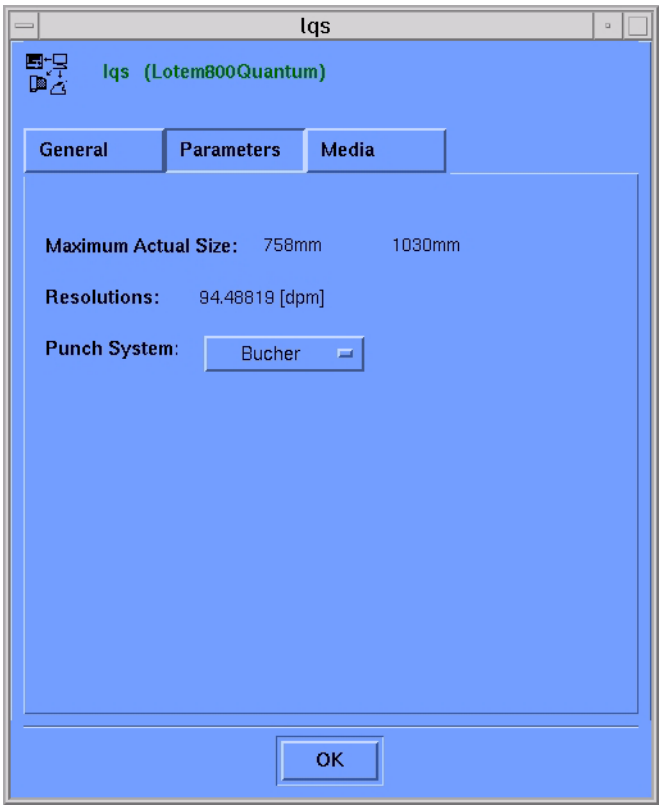


Note: For Lotem 800 II Quantum choose both nsp0 and nsp1 screen boards.

3. Click the **Media** tab. The Media tab displays a list of plates set in the connected device, created on the Lotem controller.
The Currently installed plates area lists each plate, including its size and thickness.



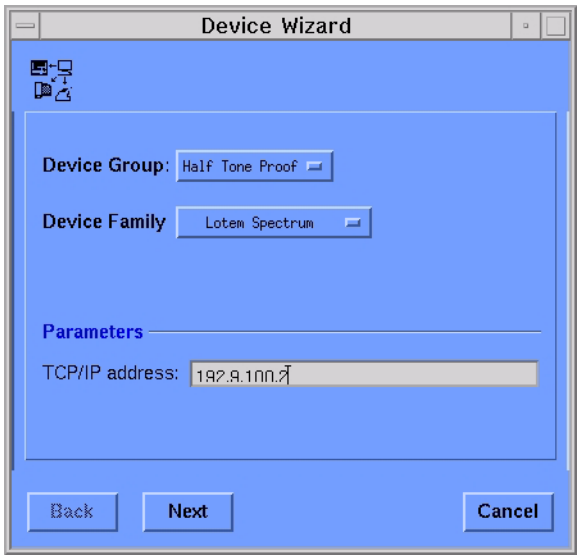
4. Click the **Parameters** tab.
The Parameters tab displays exposure parameters such as height, width and resolution of the expose (60-140 dpm), as well as the punch system (see the following figure).



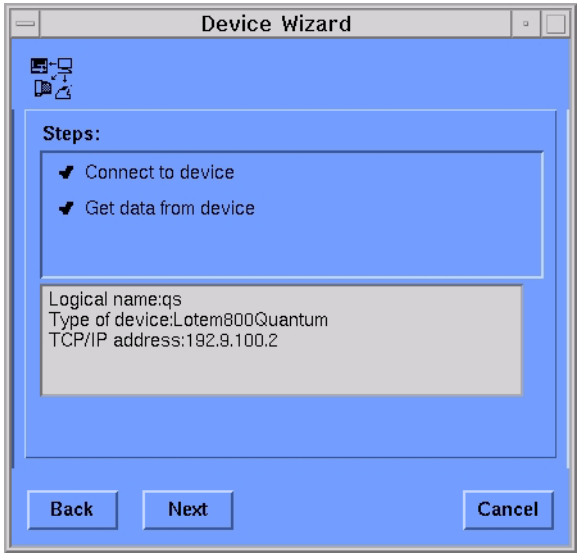
5. Click **OK** to exit.

2.5 Connecting Brisque to a Lotem 800 II Quantum with Spectrum (Halftone Proof)

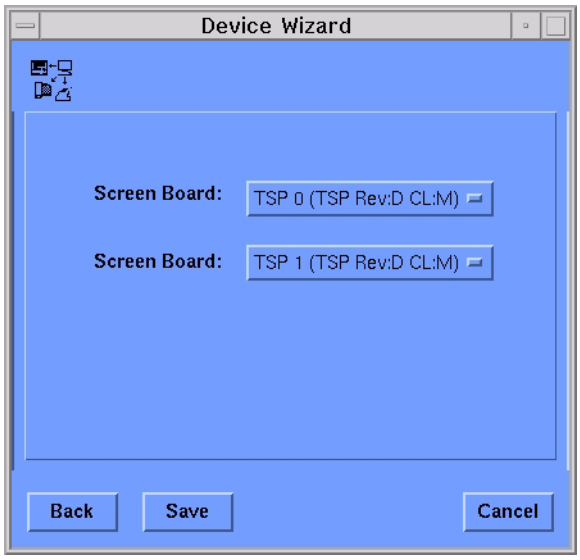
1. From the Output Devices Handling window, click **Half Tone Proof**.
2. Click **Lotem Spectrum** and then click **New.**
3. In the **TCP/IP address** box, type the device IP address and click **Next.**



4. Type the device's logical name and click **Next.**

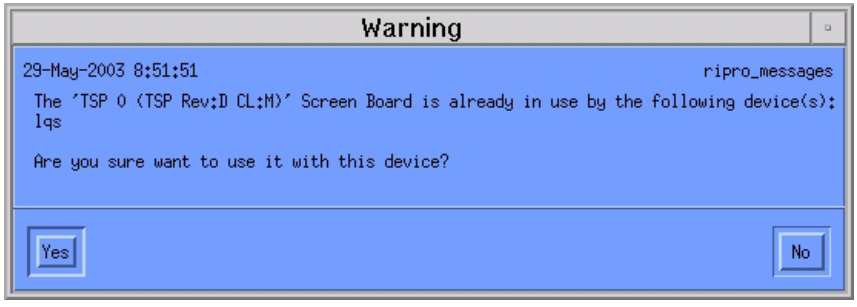


5. Verify that two TSP boards are defined.



6. Click **Save**.

   The following warning appears.



7. Click **Yes** to complete the configuration.

2.6 Connecting Brisque to a Trendsetter



For Brisque to Trendsetter direct connectivity, refer to the following Installation Guides:

- Brisque (4.1.76) to Trendsetter MCE (V models, NEWS 70c and 100c models) Direct Connectivity via TSP_U, 518-00268A
- Brisque (4.1.76) to Trendsetter MCE (S and F models, and NEWS 50, 50c, 70, 100, 150 models) Direct Connectivity Via TSP_U, 518-00268A
- Brisque (4.1.76) to Trendsetter MPE (S, F, and V models) Direct Connectivity via SCSI, 653-00014B

2.7 Installing a Proofer

This section describes how to install a proofer, which consists of the following procedures:

- Connecting the Proofer
- Verifying the Proofer SCSI ID
- Verifying the Proofer SCSI Connection
- Verifying Proofer Installation via the Iris Controller
- Configuring the Scitex Proofing Zone.

2.7.1 Connecting the Proofer



Note: This option requires a license, and a free SCSI adapter (there is no external onboard SCSI).

1. Turn off the proofer and Brisque.
2. Connect one end of the SCSI cable to the Proofer and the other end to the SCSI Adaptor.
3. Ensure that the Proofer is at the end of the SCSI chain.
4. Power on the Proofer and then power on the Brisque.
5. Verify through SciSMIT that the Proofer appears correctly in the List of Defined Disks, as described in *Verifying the Proofer SCSI Connection* on page 58.

6. Connect the remote diagnostics RS232 cable between com1 (refer to Figure 5 on page 13) to the RS232 controller on the Realist.

2.7.2 Verifying the Realist SCSI ID

This procedure is applicable to the following proofers:

- Realist
- Realist FX
- Iris 2print
- Iris 4print.

To verify the Proofer SCSI ID:

1. Open the fluids door. The SCSI ID selector dial is located on the CPU module on the left side of the printer above the diskette drive.

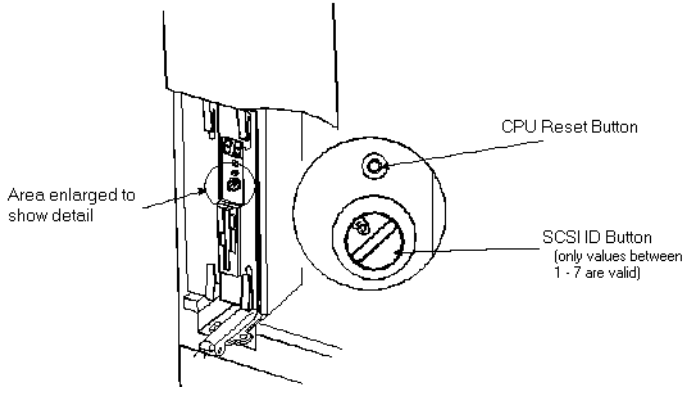


Figure 13: Proofer SCSI ID

Note: The printer is shipped with the default SCSI ID set to 5. If you have other SCSI devices attached to the host (such as multiple hard disks), ensure that they each have a different SCSI ID.

2. To change the SCSI ID, turn the dial to the right or left.

2.7.3 Setting SCSI Bus Speed

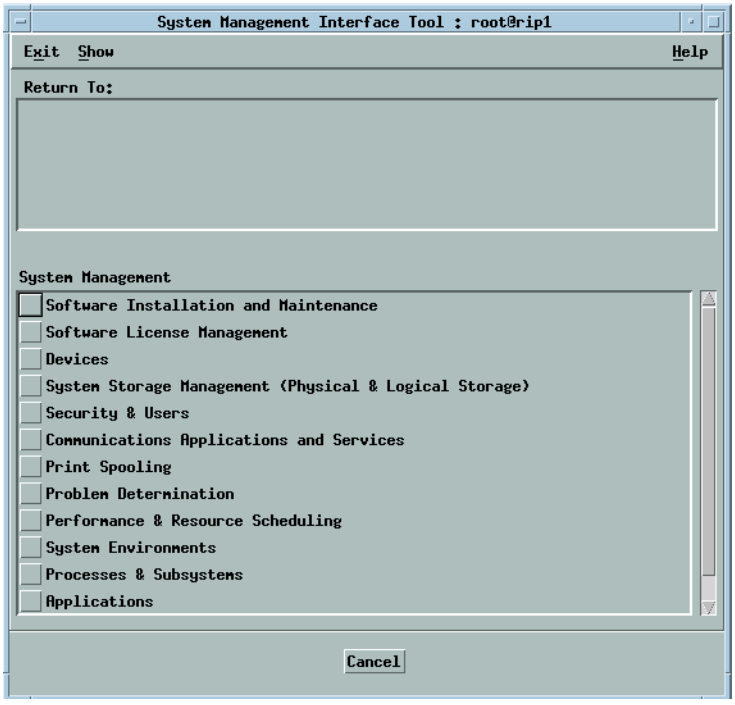
Perform the following steps to decrease the SCSI bus speed:

1. In the terminal window, type **smit** to display the System Management Interface Tool (SMIT) window.
2. In the SMIT window, select **Devices** > **SCSI adapter** > **scsi1 adapter**.
3. In the **Maximum synchronous data transfer rate** box, set the transfer rate to **10** (MHz).
4. Select **Apply change to database only=yes**.
5. Reboot the machine.

2.7.4 Verifying the Proofer SCSI Connection

1. Ensure that Brisque is turned on.
2. From the **Launch Pad**, open the **Services** sub-panel.
3. Double-click the **SMIT** icon.
   The Password dialog box appears.
4. Type **root** in the User field and your password in the Password field (default **ripro**) and press **Enter**.

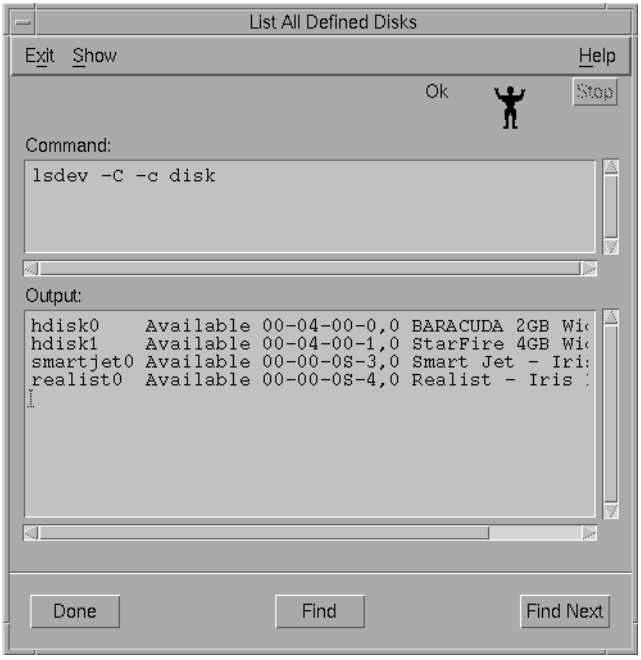
   The System Management Interface Tool (SMIT) window appears, displaying the System Management main menu.



5. Select **Devices > List All Defined Disks**.

   The List All Defined Disks window appears (see following figure). This window displays the disks that are defined in the system in the Output area (including the proofers).

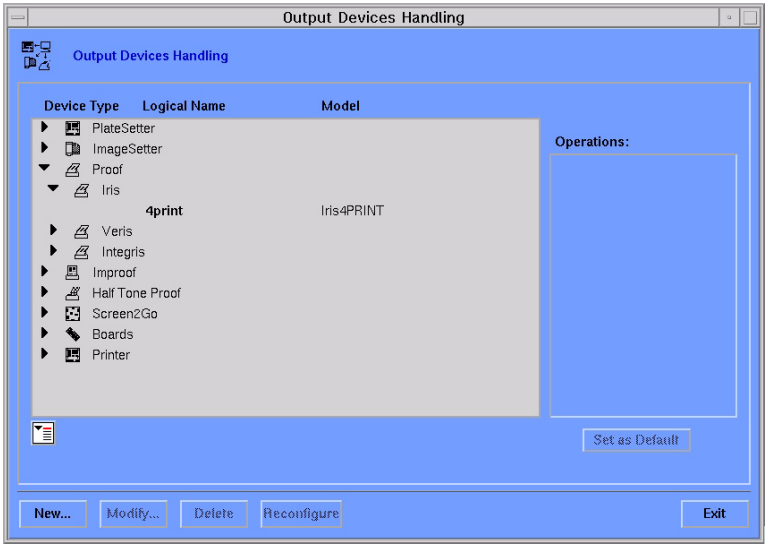
Note: If there is a clash between the SCSI addresses, the proofers do not appear.



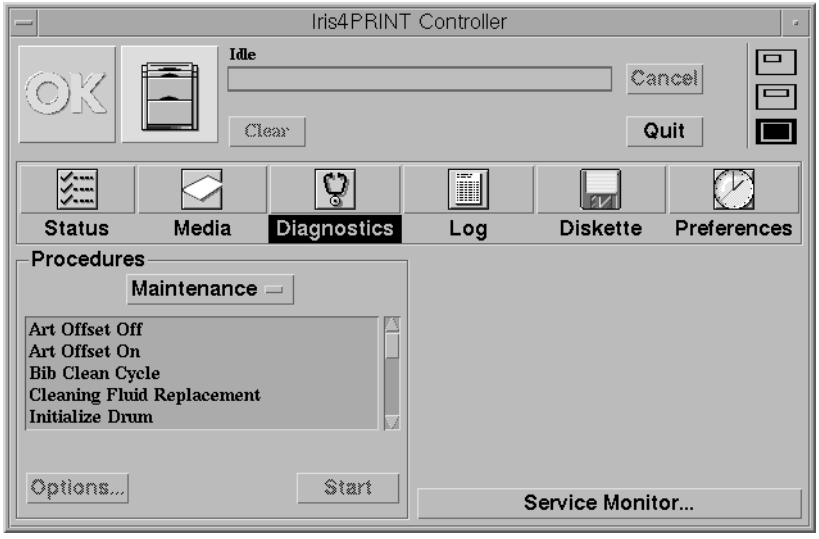
6. Verify that the proofer appears in the Output area.
7. Click **Done** and then click **Exit** to exit Smit.

2.7.5 Verifying the Proofer Installation via the Iris Controller

1. From the **Launch Pad**, open the **Services** sub-panel.
2. Double-click the **Iris Controller** icon. The Controller window appears (see following figure).



3. Open the controller window.



- The name of the Proofer appears in the header of the Controller window when the proofer is configured properly.
- If the Iris Controller is not recognized, do the following:
  - Check the SCSI connections.
  - Shut down the Brisque and then reboot.
  - Repeat Steps 1 and 2.
- A Searching for Printer message will appears if the Iris Controller is not configured properly.

2.7.6 Configuring a New Proof Device

Configuring the Iris Proofer

Note: The Iris proofer is a SCSI connected device. Multiple Iris devices are daisy-chained.

To configure a new Iris proofer:

1. From the **Service** menu, select **Device Config**.

   The new Device Wizard window appears.



2. In the Logic Name box, type a **logical name**. From the Device Group list box select Proof. The Device Family list box should be labeled Iris. If not, select Iris from the list.

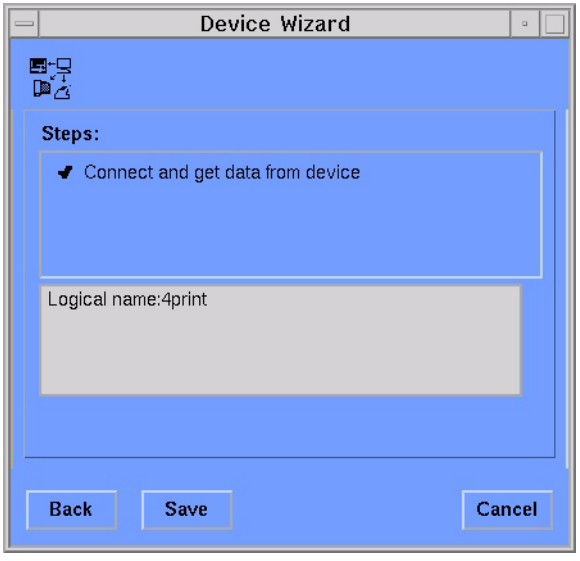
Note: The proofer transmits the device information as soon as it is physically connected to the Brisque. Once a logical name is entered it can not be removed.

3. If more than one device is connected via the SCSI, select a device from the Devices box.

4. Click **Next**.

   If any problems are encountered with the connecting SCSI, a warning is displayed, enabling a halt to allow reconnecting.

   If the configuration is successful, a device summary appears.



5. Click **Save** to save the configuration connection.

   If the connection was successful, a message appears, and then the connection is displayed in the Output Devices Handling window, under the Proof icon.

To Reconfigure the Iris proofer:

➢ In the **Output Device Handling** dialog box, select **Iris configuration connection** > **Reconfigure.**
Brisque re-reads the data from the device and confirms the connection. A confirmation message is displayed if the device has been reconnected. Otherwise, a failure message appears.

Note: In case of failure check the physical connection and the remote device, then try to reconfigure.

The Iris Proofer Operations

View

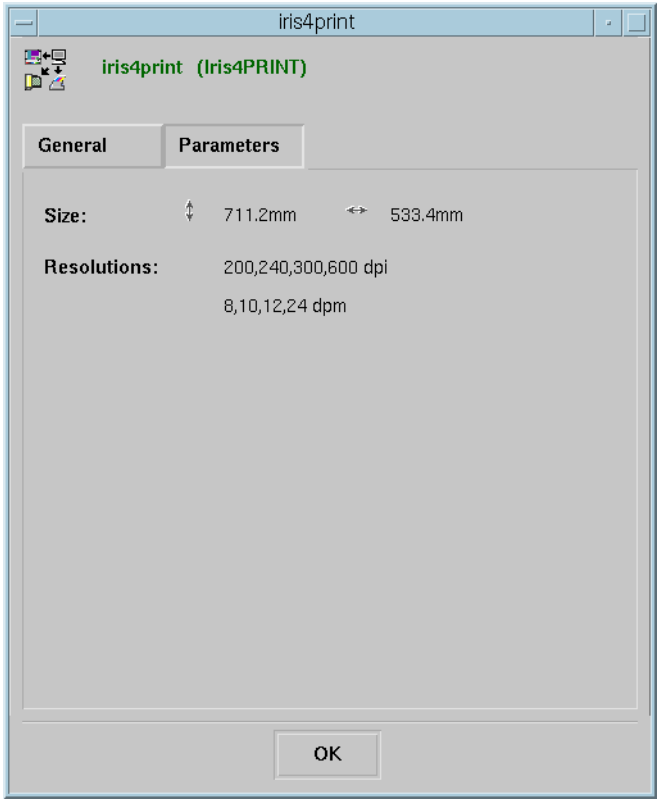
This operation allows you to view the Iris device parameters.

1. Click **View.** The iris4Print parameters dialog box appears.



2. Click the **General** tab. The configuration parameters are displayed.

3. Click the **Parameters** tab.

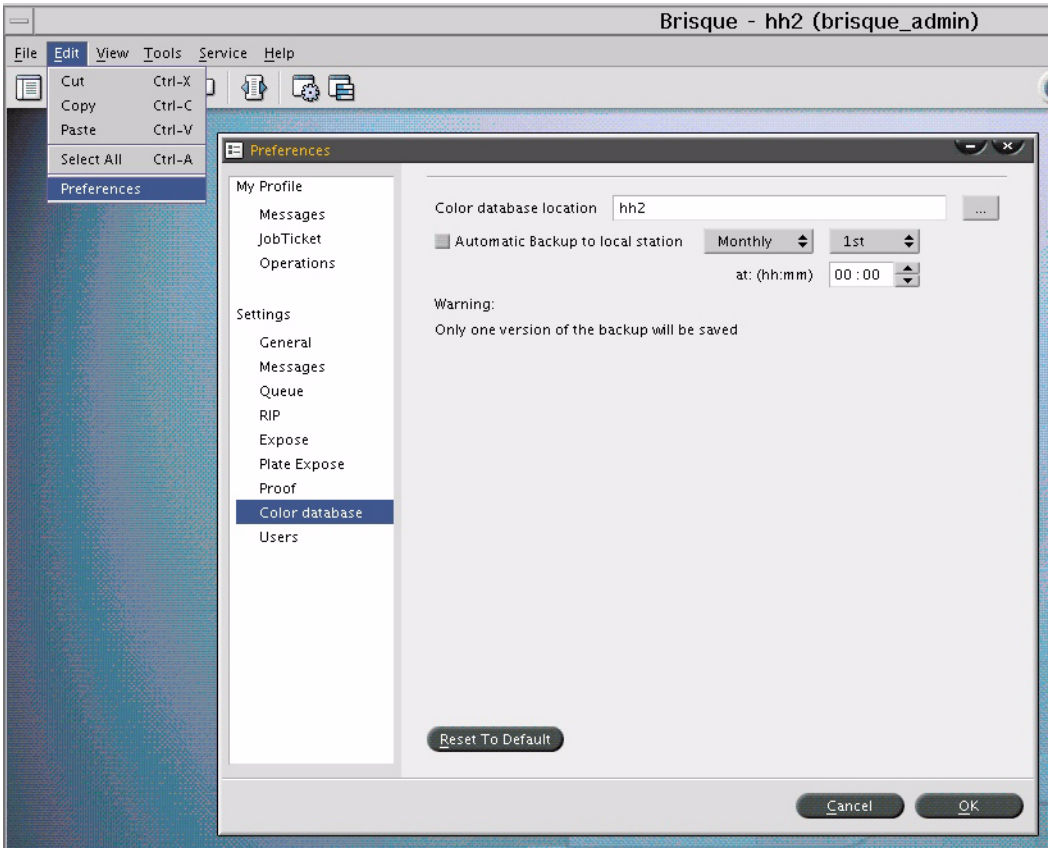


Proof parameters are displayed such as height, width and proof resolution (dpm or dpi).

4. Click **OK** to exit.

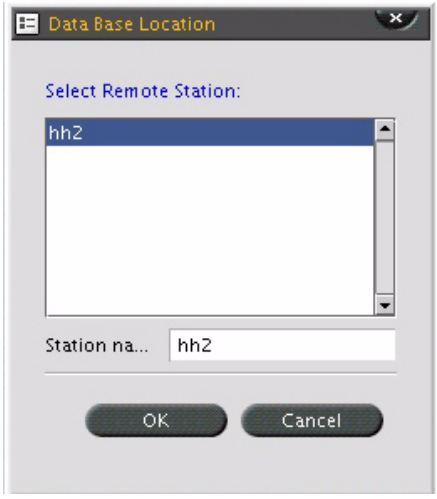
Configuring the Database

1. From the **Edit** menu, select **Preferences.**



2. From the Preferences pane, select **Color database**.

3. When configuring the DB for the first time, click the **Browse** button (..). The Data Base Location dialog box appears.



4. Select the database location from the list of connected stations (Brisque or Mac) or type in the location in the Station name field.

Note: It is recommended to establish the database on the Brisque.

5. Click **OK**. The database is now active.

For more detailed information, refer to Realist (FX) Proofing Zone for the Brisque, Part number 399Z51048A.

2.8 Connecting to an Improof via a Parallel Port



Note: This option requires a license.

Connection of the parallel cable (610C10050) between the Improof and the Brisque is described in detail in the Creo Improof Installation and User Guide, Part number 399Z50636E.

2.9 Connecting to an Improof via the Network (TCP/IP)

This section describes how to connect an Improof to the Brisque via the network, which consists of the following procedures:

- Configuring the Improof TCP/IP Parameters
- Configuring the Improof on the Brisque.



Note: This option requires a license.

Before connecting an Improof to the Brisque via the network, ensure that the following requirements are met:

- TCP/IP is configured and running on the Brisque
- TCP/IP is configured and running on the Improof

2.9.1 Configuring the Improof TCP/IP Parameters

1. From the printer control panel message of Ready or Ready to Plot, press **Enter.**
2. Press the **up arrow** key until I/O setup appears and then press **Enter.**
3. Press the **up arrow** key until Modular appears and then press **Enter.**
4. After the **Cfg Network=No** message appears automatically, press **Enter.**
5. Press the **up arrow** key to select **Yes** and then press **Enter.**
6. Press the **down arrow** key until **Cfg TCP/IP=No** appears and then press **Enter.**
7. Press the **up arrow** key to select **Yes** and then press **Enter.**

8. Press the **up arrow** until **BootP=no** appears (do not press **Enter**).



Note: If this option appears as **BootP=yes**, press the **up arrow** key to select **BootP=no** and then press **Enter**.

9. Press the **up arrow** key until IP **Byte1=xxx** appears and write down **Byte 1** of the IP address (see the example below).



Note: Example of how to read the 4 bytes of an IP address (192.9.100.1):

- Byte 1 = 192
- Byte 2 = 9
- Byte 3 = 100
- Byte 4 = 1

10. Press the **up arrow** key three additional times and write down **Byte 2**, **Byte 3**, and **Byte 4** as they appear.
11. Continue to press the **up arrow** key and write down **Bytes 1**, **2**, **3**, and **4** for each of the following:
    - ❒ Subnet Mask (SM)
    - ❒ Log Server (LG)
    - ❒ Default Gateway (GW).
12. Press the **Previous** key three times until the Ready status appears.

2.9.2 Configuring the Imposition Proofing Devices

Configuring the Imposition Proofer

1. From the **Service** menu, select **Device** config.

   The new New Device Wizard dialog box appears.



2. In the Logic Name box, type a **logical name**.
3. From the **Device Group** list box, select **Improof**.
4. From the **Device Family** list box, select a family.
5. Click the button on the right side of the Device Model list box.
6. Drag and select a model.
7. Click the **Parallel Port** or **TCP/IP** radio button to select a data communication method; if the TCP/IP option was selected, enter the address of the device in the address box (for example: 192.9.100.2).

Note: The Parallel Port is a direct connection.

8. Click **Next.**

   If the configuration is successful, a device summary appears.

9. Click **Save** to save the configuration connection.

   If the connection was successful, a message stating the fact appears for a few seconds, then the connection is displayed in the Output Devices Handling window, under the Improof icon.

To reconfigure the Imposition proofer:

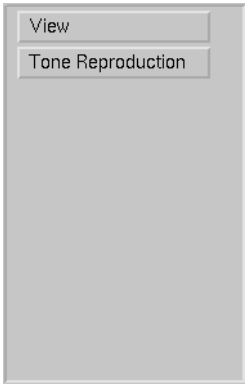
- In the **Output Device Handling** dialog box, select **Imposition configuration connection** and click **Reconfigure**.

  Brisque re-reads the data from the device and confirms the connection, displaying a confirmation dialog for a few seconds, if the device has been re-connected. Otherwise, a failure message appears.

Note: In case of failure, check the physical connection and the remote device, and then try to reconfigure.

The Imposition Proofer Operations

View



This operation allows you to view the device parameters, set in the PC controller database.

To view the selected Imposition proofer parameters:

1. Click **View.**

   The proofer parameters window, containing two tabs, appears.

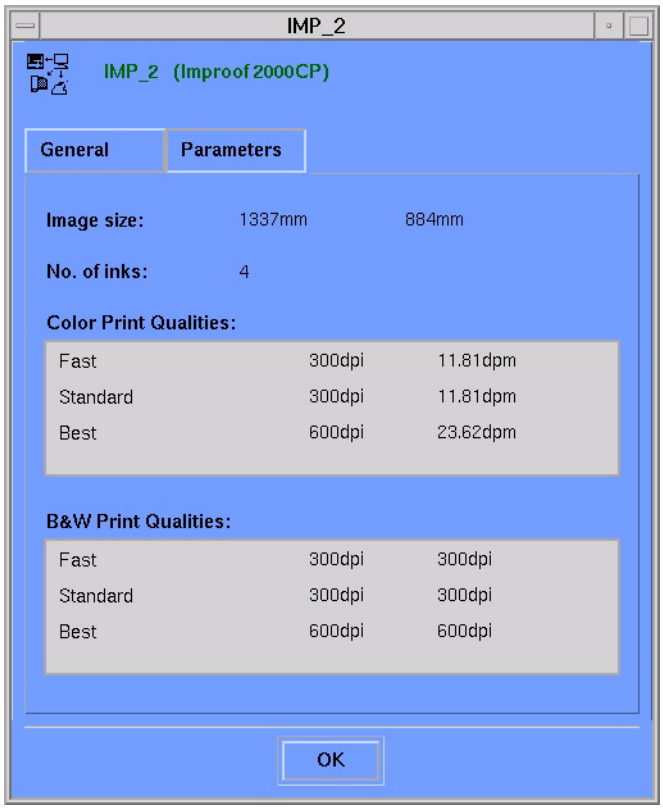
2. Click the **General** tab.

   The General tab displays the configuration parameters.



3. Click the **Parameters** tab.

   The Parameters tab displays color and B&W resolution.



4. Click **OK** to exit.

2.10 Configuring the KodakXP4 as a Halftone Proofer

This section describes how to configure the KodakXP4 Proofer on the Brisque, which consists of the following procedures:

- Verifying the IP Address on the NT Server
- Configuring the KodakXP4 on the Brisque.

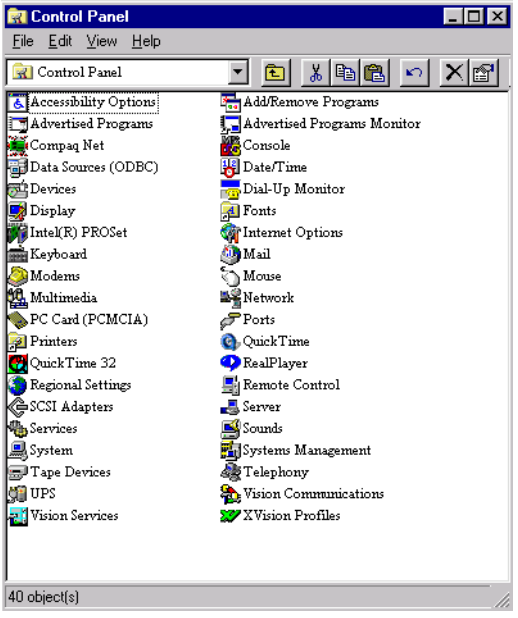
Before configuring the KodakXP4, ensure that the following requirements are met:

- TCP/IP is configured and running on the Brisque
- TCP/IP is configured and running on the KodakXP4 NT server
- The KodakXP4 application is open and running on the NT server
- The TSP board is installed on the Brisque (refer to Section 2.2, Connecting an Imagesetter Using the TSP Board)

2.10.1 Verifying the IP Address on the NT Server

1. In Windows NT, select **Start > Settings > Control Panel**.

   The Control Panel window appears.

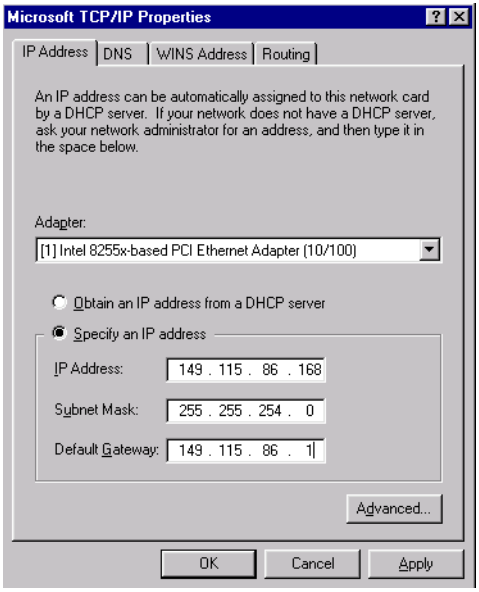


2. Double-click the **Network** icon.

   The Network (viewing mode) window appears.

3. Select the **Protocols** tab and then double-click on **TCP/IP Protocol**.

   The TCP/IP Properties window appears.



4. From the **IP Address** tab, write down the IP Address for future reference.

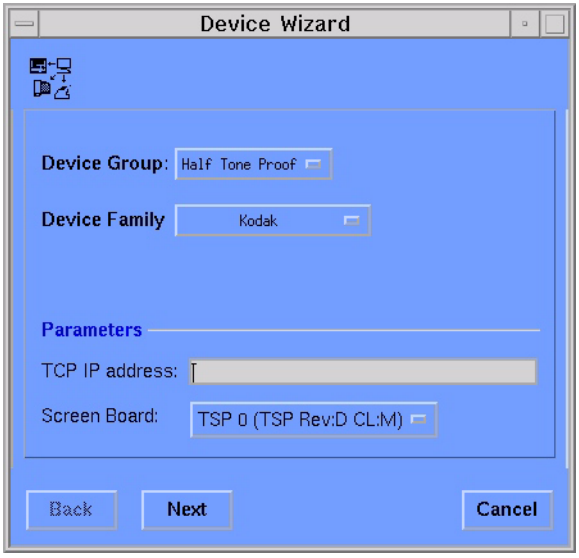
5. Click **Cancel** twice to exit from the network settings.

2.10.2 Configuring the Kodak XP4 as a Half Tone Proofer

To configure a new Kodak XP4 half tone proofer:

1. From the **Service** menu, select **Device Config**.

   The New Device Wizard window appears.



2. From the **Device Group** list box select **Half Tone Proof.**

   The Device Family list box should be labeled Kodak. If not, from the **Device Family** list box, select **Kodak** > **New.**

3. In the **Logic Name** box, type a logical name.

4. In the **TCP/IP address** box, enter the address of the device (for example, 192.9.100.2).

5. From the **Screen Board** list box, select a TSP board (TSP0 or TSP1, if two boards are mounted in the Brisque station).

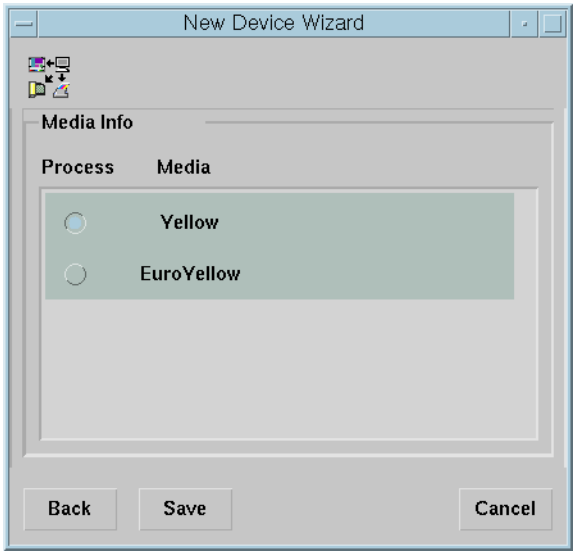
6. Click **Next**

   If the selected Screen Board is already in use, a warning dialog is displayed, which enables you to select another board.
   If the configuration connection is successful a device summary appears in the New Device Wizard window.

7. Click **Next.**

   The following window appears.

Note: If in addition to the basic four process colors more colors are included in the donor group, a selection must be madse between conflicting default colors. Only the conflicting colors are displayed.



Important: Only four process colors are used to comprise the image (CYMK). Kodak provides several variations for the basic colors; Euro Yellow, Euro Cyan and Euro Magenta.

8. Choose between the conflicting process colors, for example, choose between Yellow and Euro Yellow.
9. Click **Save** to save the configuration.

   If the configuration connection was successful, a message stating the fact appears for a few seconds, then the connection is displayed in the Output Devices Handling window, under the Kodak icon.

To Reconfigure the Kodak XP4 halftone proofer:

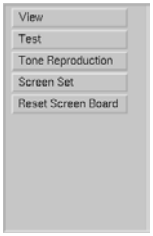
- In the Output Device Handling window, select the **Kodak XP4 configuration connection** and click **Reconfigure**.

  Brisque re-reads the data from the device and confirms the connection. A confirmation message appears if the device has been reconnected. Otherwise, a failure message appears.

Note: In case of failure check the physical connection and the remote device, then try to reconfigure.

The Kodak XP4 Halftone Proofer Operations

View



This operation allows you to view the device parameters that are set in the PC controller database.

To view the selected Trendsetter Spectrum parameters:

1. Click **View**.

   The Trendsetter Spectrum parameters window appears.

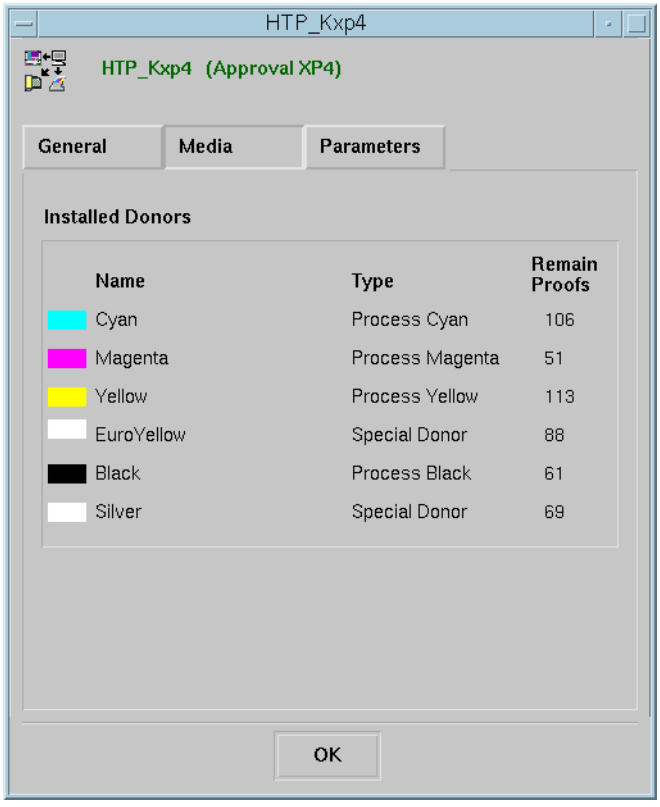
2. Click the **General** tab.

   The General tab displays the configuration parameters.



3. Click the **Media** tab.

   The Media tab displays all the available donors, including the additional colors.



4. Click the **Parameters** tab.

   The Parameters tab displays exposure parameters such as height, width and resolution.



5. Click **OK** to exit.

A

Creo IP Address Structure Recommendations

Recommendations 82

A.1 Recommendations

The Creo IP address is built out of four numbers, which are separated by periods. Each number can range between 0 and 255 (for example, the range of an IP address can be 0.0.0.0 to 255.255.255.255).

Ethernet networks are usually divided into sub-nets, and each sub-net has a Subnet Mask that defines the range of addresses that can be allocated to each host on this subnet.

Up to 254 hosts can be connected on each network segment (0 is used as a gateway address and 255 as a broadcast address).

The following is the recommended structure for Creo IP addresses:

Station/Unit	Recommended Addresses
Ethernet Communication Board (en0) on the Brisque	192.9.100.X (X is 2-20)
Mac	192.9.Y.[21-74]
PS/2	192.9.Y.[75-99]
Sun	192.9.Y.[100-119]
Whisper	192.9.Y.[120-149]
Communication units (hubs, routers, switching hubs, etc.)	192.9.Y.[200-254]

Examples:

- Y is determined by the Network Communication Board on the specific Brisque.
- 192.9.100.21 is a Mac connected to the Ethernet board on Brisque1.
- 192.9.150.125 is a Whisper connected to FDDI through the Switching hub.
- The first Mac connected to ent0 will have the address of 192.9.100.21.

B

Adding Memory

Adding Memory....84
Updating the Paging Space....86

B.1 Adding Memory



All references in this appendix refer to the IBM pSeries 615 Model 6C3 and Model 6E3, Installation Guide, SA38-0628-00. The section headings below are as they appear in that manual.

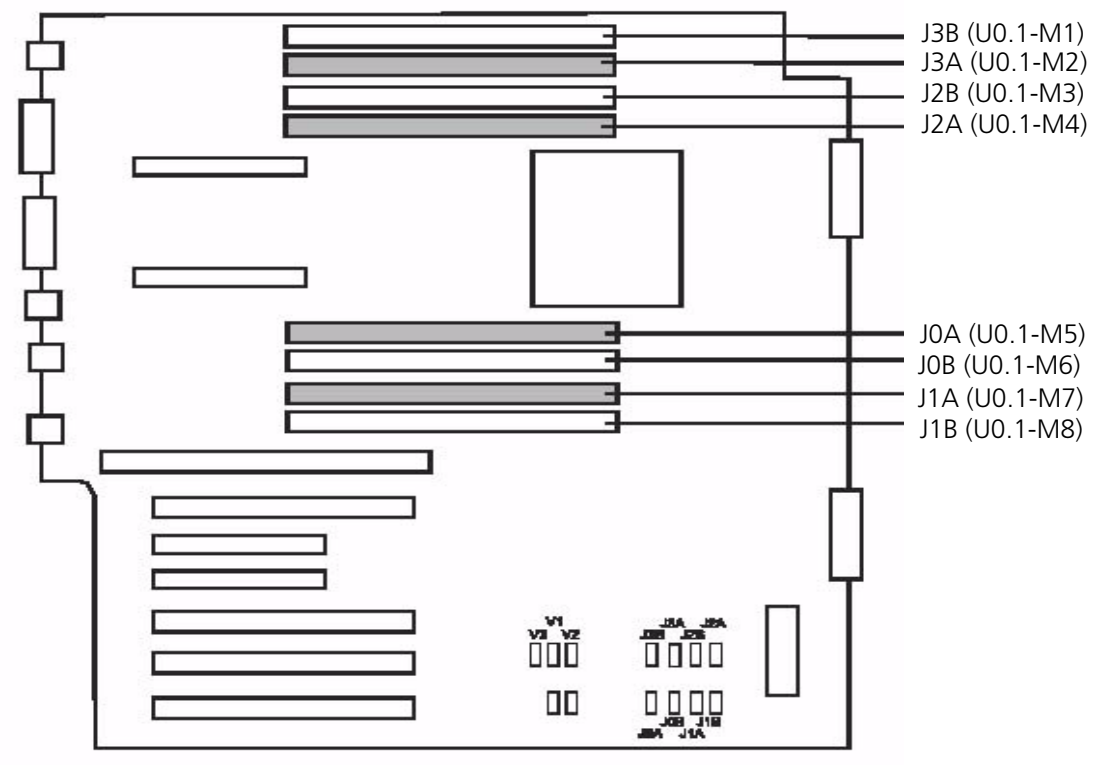
Memory DIMMs must be installed in quads (groups of four) and in the correct slots. M2, M4, M5, and M7 are in one quad. M1, M3, M6, and M8 are in the other quad. Either quad can be populated first.

Each memory DIMM in a quad must be the same type and size. However, both quads on the system backplane are not required to be the same.

1. Shut down the system as described in the *Stopping the System* section and lay the system on its right side for this procedure.
2. Remove the service access cover as described in the *Service Access Cover Removal (Model 6E3)* section.
3. Remove the fan assembly as described in the *Hot-Swap System Fans Removal* section.
4. Remove components such as a power supplies or the service processor to access the DIMM slots. Refer to the *Power Supply Removal* and the *Removing the Service Processor Assembly* sections.
5. The following illustration shows the system backplane with the memory DIMM slots labelled. Determine which DIMM slots you need to access to install a memory DIMM.



Note: Memory DIMMs must be installed in quads. However, you do not need to install four new DIMMs in a quad when you have a memory problem. Exchange each DIMM, starting the system after each change, until the final DIMM has been replaced.

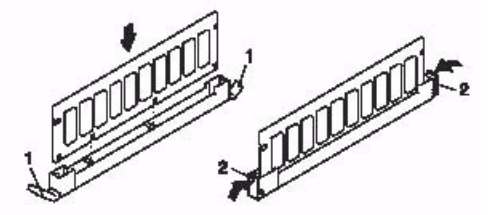


Attention: To prevent damage to the memory DIMM and the memory DIMM connectors, open or close the retention latches at the same time.

6. Before handling any card, board, or memory DIMM, touch any metal surface of the chassis with one hand to minimize static electricity discharge. Refer to the *Handling Static-Sensitive Devices* section.
7. Remove the new memory DIMM from its antistatic package.
8. Before installing a new memory DIMM, as shown in the following illustration ensure that the connector locking tabs are pushed out in the unlocked position.
9. Carefully grasp the memory DIMM along two edges and align the connector.
10. Insert the memory card firmly into the connector.

11. Secure the memory DIMM with the locking tabs located at each end of the DIMM connector, as shown in the following illustration.

Note: Memory DIMMs must be installed in groups of four (quads).



1 Locking Tabs (unlocked position)
2 Locking Tabs (locked position)

12. Replace components such as a power supplies or the service processor to gain access to the DIMM slots. Refer to the *Power Supply Replacement* and *Reinstalling the Service Processor Assembly* sections.
13. Replace the service access cover as described in the *Service Access Cover Replacement (Model 6E3)* section.
14. Reconnect all power and signal cables.
15. Power on the system as described in the Starting the System section.

B.2 Updating the Paging Space

The SciSmit Update Paging Space option is used to increase the amount of the Paging Space to fit the new memory size after installing extra memory modules.

To perform the update paging space:

1. Log in as **root**.
2. Activate SciSmit.
3. Select **Devices -> Paging Space -> Update Paging Space** and press ENTER.

C

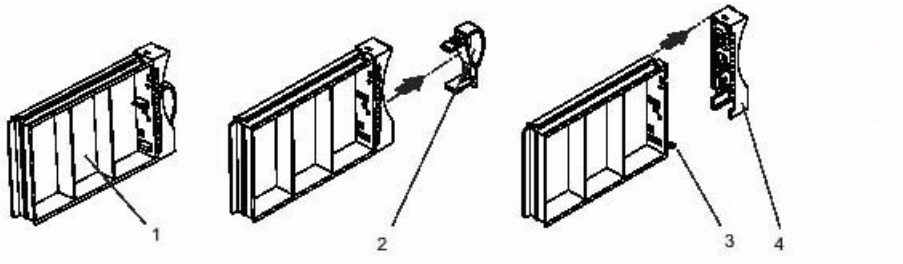
Adding Disk Drive

Adding Disk Drive 88

C.1 Adding Disk Drive

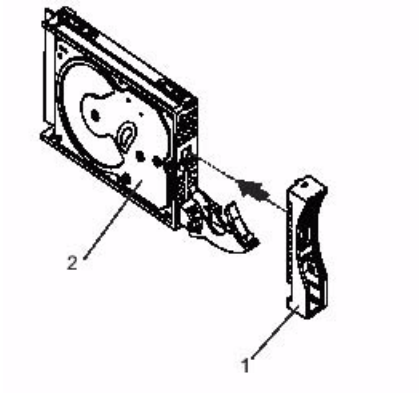
To install a disk drive, do the following:

1. Remove the filler panel from the disk drive slot.
2. Remove the disk drive bezel from the front of the filler panel. See the following illustration.



1 Filler Panel, Upside Down with Bezel Attached
2 Disk Drive Bezel Handle
3 Filler Panel Release Tab
4 Disk Drive Bezel

3. Attach the disk drive bezel to the front edge of the new disk drive.



2 Disk Drive

4. Ensure the handle on the front of the disk drive is open (perpendicular to the drive).
5. Align the drive assembly so that it engages the guide rails in the bay

6. Push the drive assembly into the bay until the drive handle engages the lock mechanism.
7. Push the disk drive handle in until it locks.

D

Adding Disk Drive Backplane

Adding Disk Drive Backplane.....92

D.1 Adding Disk Drive Backplane

All references in this appendix refer to the IBM pSeries 615, Service Guide, SA38-0630-02. The section headings below are as they appear in that manual.

To install the disk drive backplane, do the following:

Note: Before performing the following procedures, read the *Safety Notices* section.
It is strongly recommended that the system be placed on its side, on a flat and stable surface. To avoid potential breakage, the system front foot must not be resting on the surface.

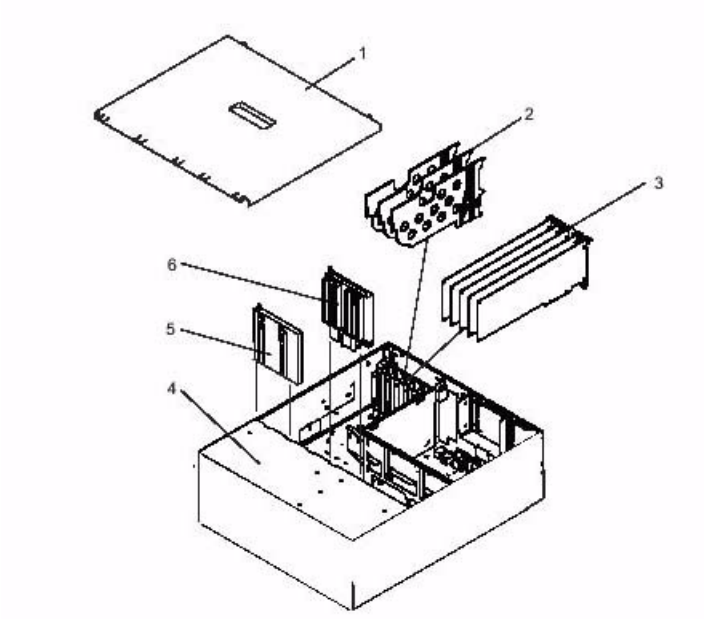
1. Stop the system as described in the Stopping the System section.
2. Disconnect the power source from the system.

Note: This system may be equipped with a second power supply. Before continuing with this procedure, ensure that the power source to the system has been completely disconnected.

3. Remove the service access cover as described in the *Removing the Model 6E3 Service Access Cover* section.
4. Remove the fan tray assembly as described in the *Removing the Fan Tray Assembly* section.

Note: Before handling any card, board, or DIMM, be sure to use your electrostatic discharge strap to minimize static-electric discharge. Refer to the *Handling Static-Sensitive Devices* section.

5. Record the slot number and location of each PCI adapter.
6. Remove and label the PCI adapter cables.
7. Remove the PCI adapters as described in the *Removing a Non-Hot-Pluggable PCI Adapter* section.
8. Remove the PCI adapter dividers.
9. Squeeze the blue latch tabs on the top edge of the the disk drive backplane filler and pull it upwards to free it from the connector. Tip the disk drive backplane filler away from the chassis hooks on the wall of the chassis, and lift it out of the system.



1 Service access cover
2 PCI adapter dividers
3 PCI adapters
4 System unit in service position
5 Disk drive backplane filler panel (shown behind disk drive slots 5, 6, 7 and 8)
6 Disk drive backplane (shown behind disk drive slots 1, 2, 3 and 4)

10. Carefully grasp the disk drive backplane by the top edge.
11. Insert the disk drive backplane into the system chassis at an angle to the chassis hooks and align the hooks with the blue guides on the disk drive backplane.
12. Tip the disk drive backplane forward onto the chassis hooks, then firmly press the disk drive backplane into the connector until you feel the latch tabs lock into place.
13. Replace the PCI adapter dividers.
14. Replace the PCI adapters as described in the *Replacing or Installing a Non-Hot-Pluggable PCI Adapter* section.
15. Reconnect all adapter cables, located at the rear of the system unit.
16. Replace the fan tray assembly as described in the *Fan Tray Assembly* section.
17. Reconnect the power source to the system.
18. Replace the service access cover as described in the *Covers* section.

E

Adding a Redundant Power Supply

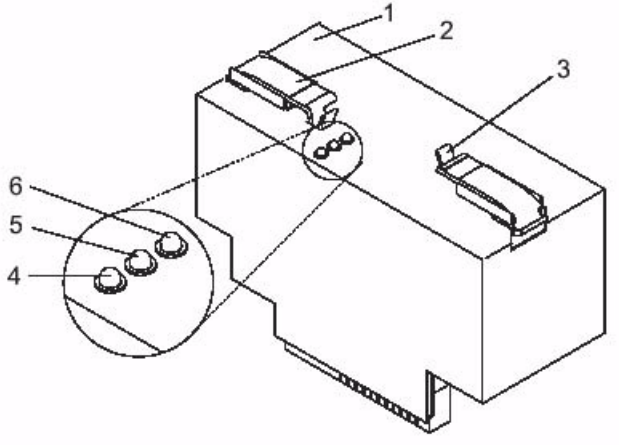
Adding a Redundant Power Supply 96

E.1 Adding a Redundant Power Supply

All references in this appendix refer to the IBM pSeries 615 Model 6C3 and Model 6E3, Your Guide to Removing, Replacing, and Installing Parts, SA38-0638-00. The section headings below are as they appear in that manual.

To install a second power supply, do the following:

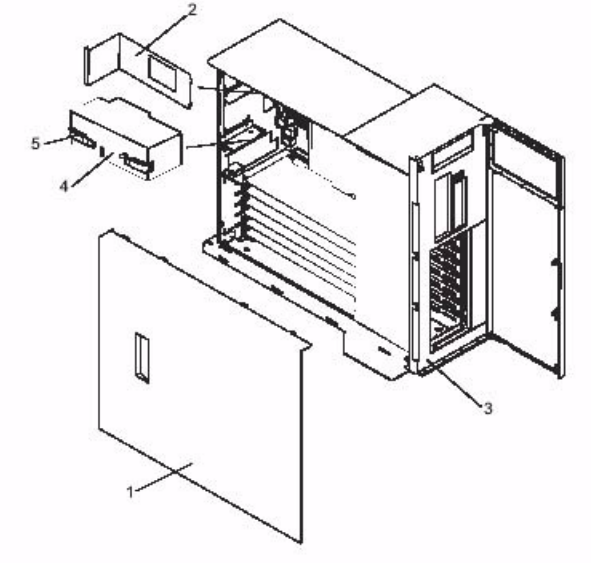
1. Remove the service access cover as described in the *Removing the Model 6E3 Service Access Cover* section.
2. Remove the power supply filler by grasping the handle and pulling the filler inward and then up and out of the system.
3. Grasp the power supply handles located on top of the new power supply. Pivot the power supply handles upward to 90 degrees. This action puts the handle cams into the correct position to help seat the power supply into its connector.
4. Carefully insert the new power supply into the power supply bay.
5. Lower the power supply handles, carefully pressing the power supply into the connector. The spring latch located on the underside of each handle will snap into place, indicating that the power supply is seated correctly and locked into position.



1 Power supply
2 Power supply handle (2)
3 Spring Latch (2)
4 Fault LED (Amber)
5 DC Good LED (Green)
6 AC Good LED (Green)

6. Plug the second power cable into the rear of the new power supply.

7. Connect the power source to the system.
8. Note the state of the LEDs on the top of the power supply. If the LEDs indicate that the power supply is operating normally, continue to the next step. If not, remove the power supply from the system and repeat the procedure.
9. Replace the service access cover as described in the *Replacing the Model 6E3 Service Access Cover* section.



1 Service access cover
2 Power supply filler panel
3 System
4 Power supply #1 (primary)
5 Power supply release handle

F

Components and Attention LEDs

Component and Attention LEDS 100

F.1 Component and Attention LEDS

This appendix contains information about component LEDs, which assist in identifying failing components in your system.

The LEDs are located either on the component itself or on the carrier of the component (for example, memory card, fan, memory module, CPU). LEDs are either green or amber.

Green LEDs indicate one of the following:

- Electrical power is present.
- Activity is occuring on a link. (The system could be sending or receiving information.)

Amber LEDs indicate a fault or identify condition. If your system or one of the components on your system has an amber LED turned on or blinking, identify the problem and take the appropriate action to restore the system to normal.

The following table identifies the location, color and status of your system component LEDs.



Note: To reset the attention LEDs, run the AIX UNIX command: /usr/lpp/diagnostics/bin/usyfault -s normal.
To check the attention LED status, run the following command: /usr/lpp/diagnostics/bin/usyfault

Unit (FRU)	LED Function	Location	Viewable Location	LED Color	OFF	ON	Blink
Power and Packaging LEDs							
System	Attention	Operator Panel and Rear	External Front and Rear	Amber	Normal	Fault	Identify
	Power			Green	No ac	System On	Standby
Fan	Identify	Part	Internal	Amber	Normal	N/A	Identify
Power Supply	AC Input Good	Part	External	Green	No Input	Input Good	N/A
	Fault /Identify	Part	External	Amber	Normal	Fault	1. Identify 2.Comm. Fault
	DC Output Good	Part	External	Green	All Pwr Sup Outs Off	All PS Outputs On	Blinj if PS micro or comm link failed
Disk Drives	Activity	DASD can	External	Green	No Activity	N/A	Activity
	Identify	DASD can	External	Amber	Normal	N/A	Identify
CARD LEDs							
PCI Slots	Power	Socket	External	Green	Off	Power	N/A
	Identify	Socket	External	Amber	Normal	N/A	Identify
Memory DIMMs	Identify	Memory Connector	Internal Only	Amber	Normal	N/A	Identify
System Backplane	Identify	Planar	Internal Only	Amber	Normal	N/A	Identify
DASD Backplane	Identify	Card	Internal	Amber	Normal	N/A	Identify
Media Backplane	Identify	Card	Internal	Amber	Normal	N/A	Identify
Service Processor Card	Identify	Card	Internal	Amber	Normal	N/A	Identify

Unit (FRU)	LED Function	Location	Viewable Location	LED Color	OFF	ON	Blink
Power and Packaging LEDs							
Voltage Regulator Module	Identify	Card	Internal	Amber	Normal	N/A	Identify