Installation Guide

English

Brisque 4.0
43P-150 Platform

39Z3R199B

www.creo.com

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5113249	5333064	5509561	5691828	5900981	6063546	6189452
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5124547	5343059	5519852	5699174	5942137	6090529	6204874
5132723	5355446	5526143	5699740	5946426	6096461	6208369
5150225	5359451	5532728	5708736	5947028	6098544	6252522
5153769	5359458	5561691	5713287	5958647	6107011	6260482
5155782	5367360	5568595	5739819	5966504	6112663	
5157516	5367388	5576754	5742743	5969872	6115056	
5208818	5384648	5579115	5764381	5973801	6121996	
5208888	5384899	5592309	5771794	5986819	6130702	
5247174	5412491	5594556	5785309	5995475	6134393	

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1 Hardware Installation

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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 (10/100BaseT etc.).
Macintosh computers	• Number of Macintosh computers that are to connect to the Brisque • O/S 8.5 or higher.
Work Flows	• Current general work flow.
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 to the DFE.
- Are there any special featured computers installed? for example, a computer running a software Router or a computer doing automatic trapping, and so on. 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.

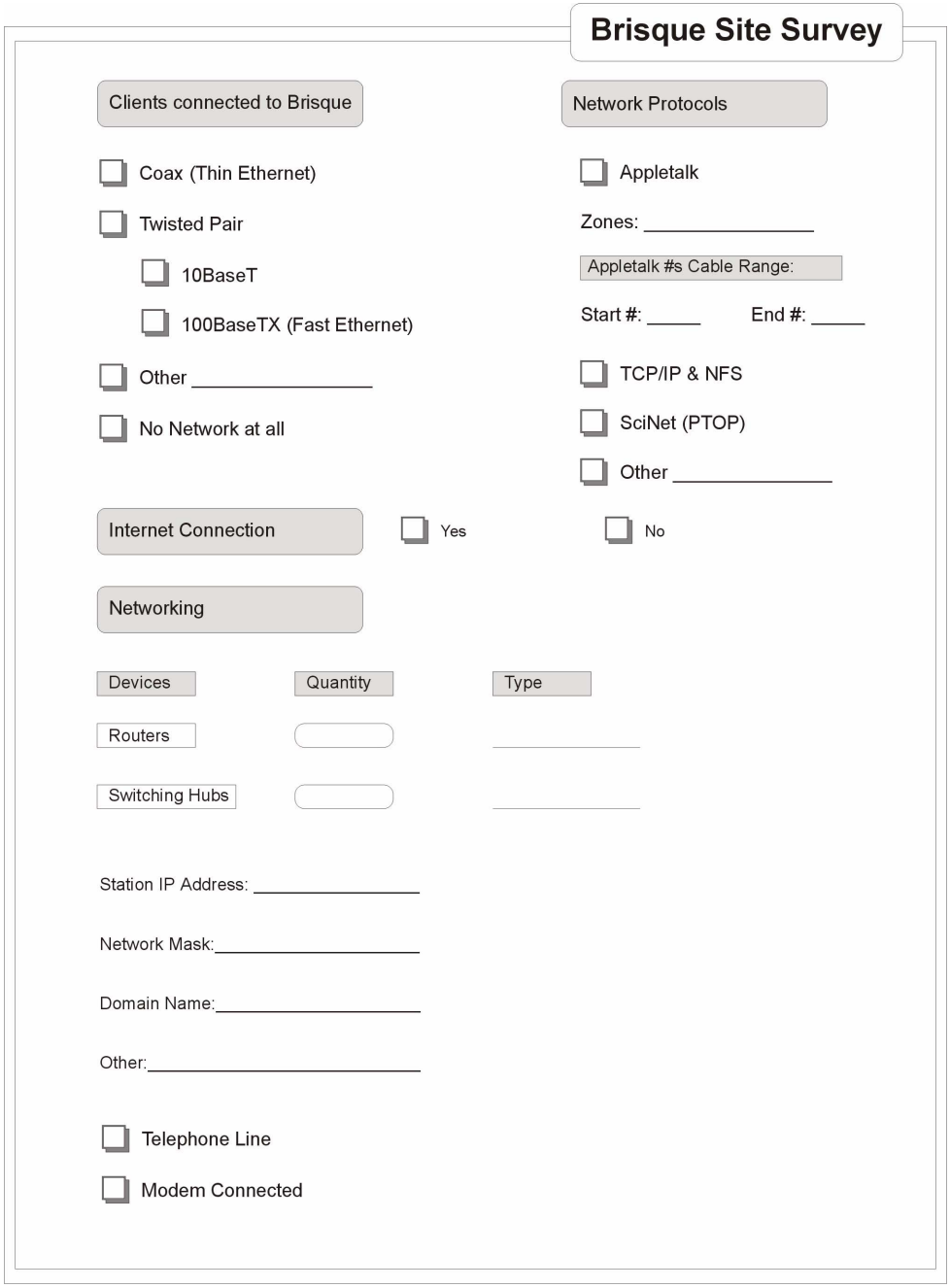


Figure 1: Site Survey Form, Pt1

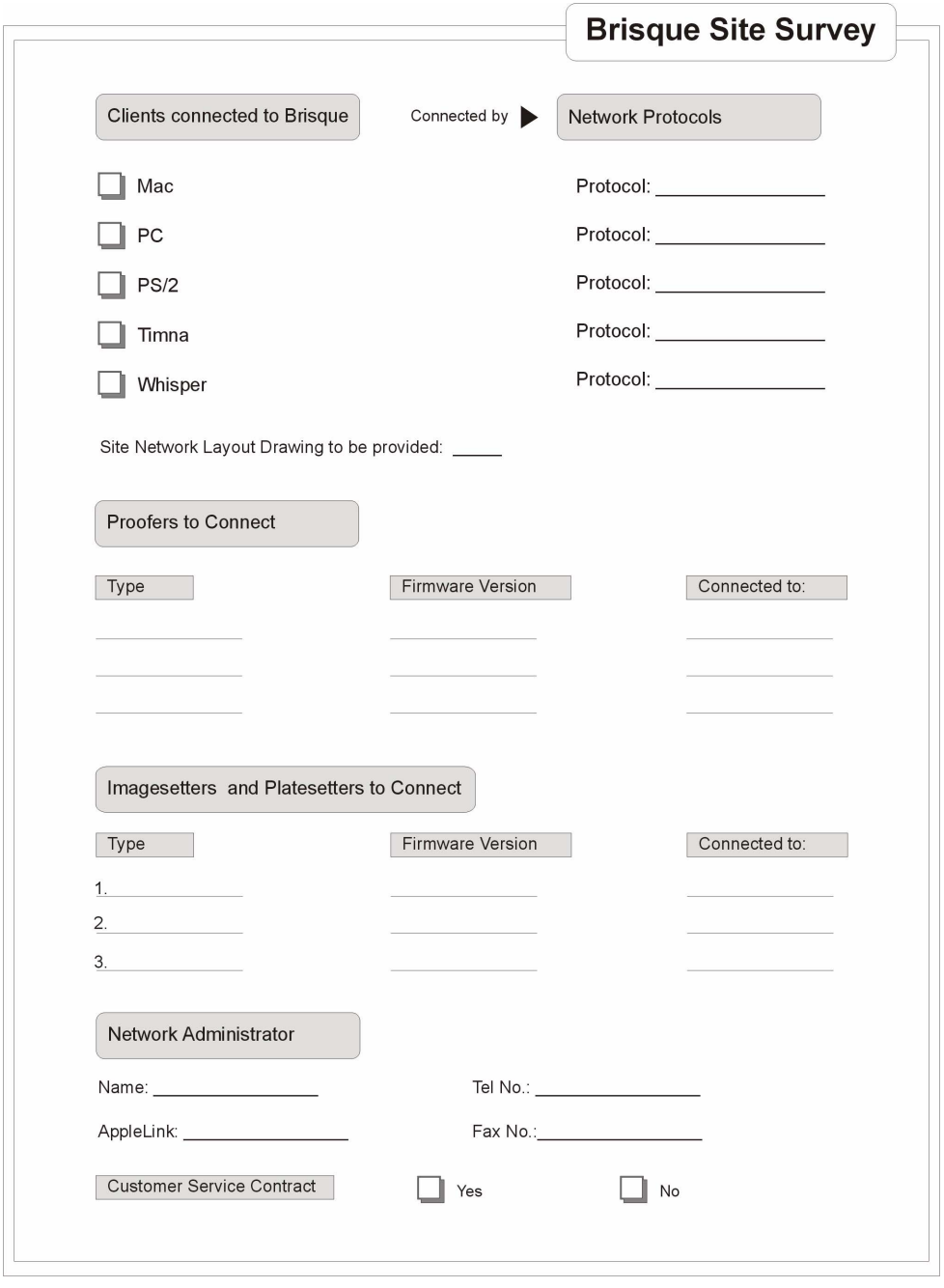


Figure 2: Site Survey Form, Pt2

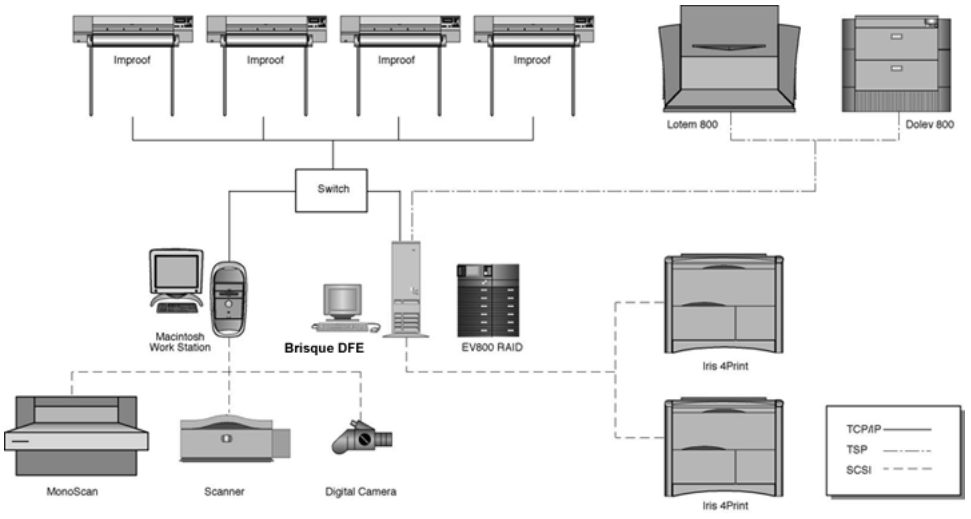


Figure 3: Site Network Layout, Example

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.

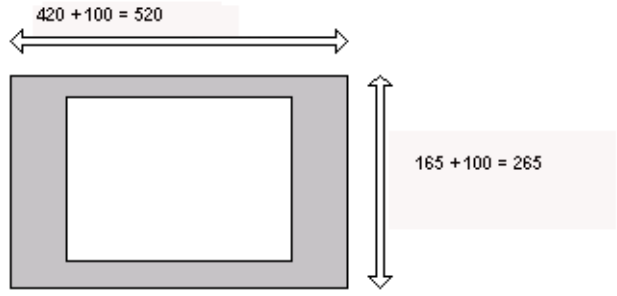


Figure 4: Deskside Footprint

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.

To unpack:

1. Cut the plastic holding straps carefully.
2. Open the carton top.
3. Remove the accessory packages.

4. Remove the upper cover protectors from the Brisque.
5. Open the carton top, lift up the carton 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	**#**	
68-pin to 50-pin Centronics cable	1	☐
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 43P-150 Installation Guide	1	☐
IBM 43P-150 Installation Guide**	1	☐
Brisque Password Backup Diskette	1	☐
Installation Diskette *	1	☐
RS-232 Sh 9Rec to 25Pl	1	☐
CD-PK, Brisque *	2	☐
CD-PK, Brisque Doc & Train *	1	☐

Accessory Packages Checklist (Continued)		
Brisque Accessories CD *	1	☐
AIX Add-on CD	1	☐
CD-PK, Creo AIX *	1	☐
Support Kit, Brisque	1	☐
External Supraexpress Modem	1	☐
IBM Books supplied with the system:		
Supplement Information for the PCI Adapter Placement (Reference number SN 32-9076-00)	1	☐
PCI Adapter Placement Reference (Serial number SA23-2504-09)	1	☐
Installation Guide	1	☐

*. Supplied in Support Kit 513K50929G

**.In IBM kit

1.4 Hardware Installation

This section describes the Brisque hardware components and how to install them and contains the following subsections:

- Introduction
- Assembly of Components
- Components Diagrams
- Installing the Brisque Hardware.

1.4.1 Introduction

This installation guide covers the following Brisque model:

43P-150 (also referred to as the **Tiger II**), clock speed 250 Mhz or 375 Mhz.

1.4.2 Assembly of Components

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

- RS/6000 43/14, 43/15 User's Guide
- RS/6000 7043 43P Series Service Guide.

1.4.3 Component Diagrams

The following diagram shows the location of each of the Brisque rear components:

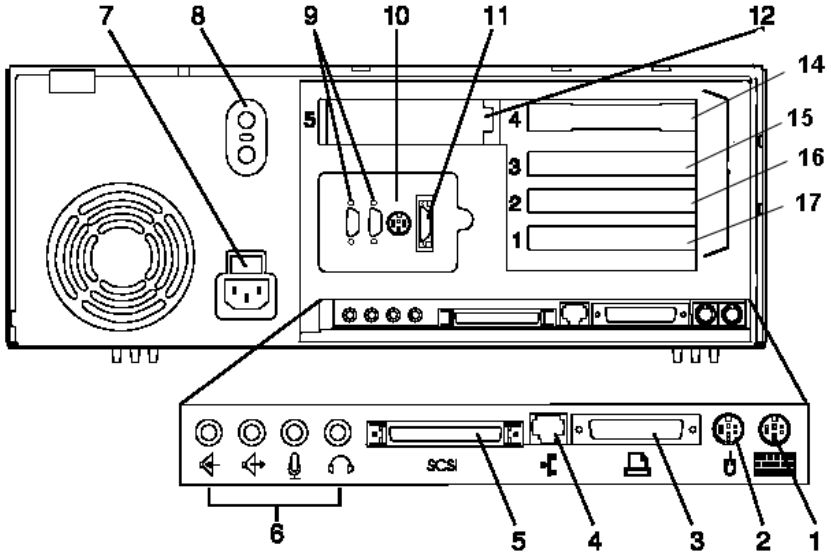


Figure 5: Brisque Rear Components

The following table contains a description of each of the Brisque rear components.

#	Component	Description
[1]	**Keyboard Connector**	For keyboard connection.
[2]	**Mouse Connector**	For mouse connection.
[3]	**Parallel Connector**	For connecting a parallel printer or other parallel devices.
[4]	**For the Brisque 43P-150: 10BaseT Ethernet Port**	(Optional) For direct connection to a Lotem.
	For the Brisque 43P-150: 10/100 BaseT Ethernet Port	For Ethernet communication.

#	Component	Description
[5]	**On-Board SCSI Connector**	Do not use this port, as it is only for internal devices (not for external devices).
[6]	**Audio Connectors**	For the following connections: • Headphone • Microphone • Audio line out • Audio line in.
[7]	**Voltage Selection Switch**	Select either the 115V or the 230V setting.
[8]	**Security Tether Attachment**	Attachment point for a security tether.
[9]	**9-Pin Serial Port**	For a TTY terminal, modem, or other serial devices.
[10]	**Tablet Port**	For attaching a digitizing tablet to your computer.
[11]	**10Base5 Ethernet Port**	Do not use this port.
[12]	**SCSI U-F&W Board (PCI Slot #5)**	For external SCSI devices, Iris, Jaz, etc.
[14]	**LANC/Rotation Board (PCI Slot #4)**	Optional slot.
[15]	**SFL/TSP PCI Board (PCI Slot #3)**	For output device connection, see *Chapter 2, Connecting Output Devices to the 43P-150, Installing the TSP Board* on page 51.
[16]	**For the Brisque 43P-150: Fast Ethernet Board (PCI Slot #2)**	For Ethernet communication.

#	Component	Description
	For the Brisque 43P-150: Optional Slot (PCI Slot #2)	Ethernet board for Lotem configuration.
[17]	**SVGA Board (PCI Slot #1)**	For attaching the monitor.

The following diagram shows the location of each of the Brisque front components:

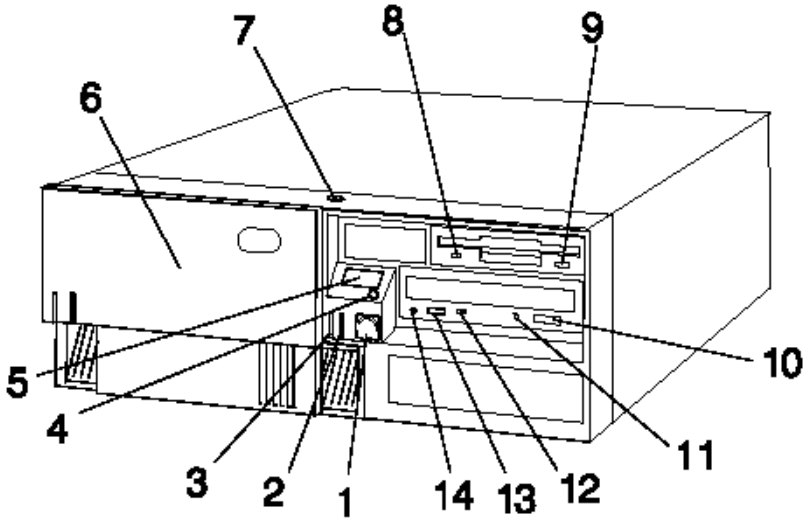


Figure 6: Brisque Front Components

The following table contains a description of each of the Brisque front components.

#	Component	Description
[1]	**Power Switch**	Turns the computer power on and off.
[2]	**Power On Light**	Lights up to indicate when the computer is on.

#	Component	Description
[3]	**Hard Disk Drive**	Lights up to indicate when the computer is reading from or writing to the hard disk.
[4]	**Reset Button**	Its function depends upon the operating system installed.
[5]	**Operator Panel Display**	Its function depends upon the operating system installed. It displays the current status of the system unit startup or diagnostic information in the event of a hardware problem.
[6]	**Media Bay Cover**	Covers the diskette and CD-ROM drives when they are not in use.
		**Note:** This is a sliding door that should be closed while the CD-ROM is not in use to enable proper airflow.
[7]	**Cover Lock**	A security feature which prevents the cover from being removed and locks the media bay cover in the closed position.
[8]	**Diskette Drive In-Use Light**	Lights up to indicate when the computer is reading from or writing to a diskette.
[9]	**Diskette Eject Button**	Releases the diskette from the diskette drive.
[10]	**CD-ROM Eject Button**	Releases the CD-ROM from the CD-ROM drive.
[11]	**CD-ROM Emergency Eject**	Ejects the CD-ROM from the drive if power is not available.
[12]	**CD-ROM Status Light**	Lights up to indicate when the CD-ROM is active.

#	Component	Description
[13]	**CD-ROM Volume Control**	Controls the volume for the CD-ROM headphone jack.
[14]	**CD-ROM Headphone Jack**	CD-ROM headphone connector.

1.4.4 Installing the Brisque Hardware



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

To install the Brisque hardware:

1. Ensure that the power supply voltage switch on the PowerPC is set to the appropriate voltage (115V or 230V).
2. Connect the keyboard cable to the keyboard (6-pin miniature DIN) connector [1].
3. Connect the mouse cable to the mouse (6-pin miniature DIN) connector [2].
4. Connect the monitor cable to the PowerPC's S15 (15-pin) SVGA connector [17].
5. Connect the modem cable to the modem and to the PowerPC's COM2 [10] connector. (A telephone line should be connected to the modem's
RJ-45 LINE connector. Refer also to section ý1.12 Setting Up Remote Support and Control via a Modem.
6. Connect the Ethernet network cable to the 10/100 BaseT Ethernet Port [4].
7. Connect all optional devices to the appropriate connectors (for example, connect the optical drive or Jaz to the SCSI U-F&W Board [12]).

8. After connecting all interface cables, connect the power cables to the devices' power connectors then to the electrical outlets. (The Brisque, monitor, and modem each have separate power supplies).
   For information about powering up the Brisque (after all hardware is connected), see *Powering Up the Brisque* on page 25.

1.5 Installing Additional Hardware/Software

This section provides general information about installing additional hardware and software and contains the following subsections:

- Installing Peripheral Devices
- Jaz Connections and Settings
- Optical Disks
- Shuttle (Removable Hard Disk)
- Configuring a New Hard Disk.

The following table contains peripheral devices that can be added to your Brisque configuration.



Note: Check the available SCSI IDs before connecting any peripheral device to the Brisque (refer to Chapter 2, Connecting Output Devices to the 43P-150, *Verifying the Proofer SCSI Connection* on page 75).

Device	Supplier	Mac (TP)	Dos (TP)	AIX (MP)	UFS (NFX)	RMX (NFX)
Zip 100MB	**Iomega**	Yes	Yes	No	No	No
Jaz 1GB	**Iomega**	Yes	No	Yes	No	No
5.25”MO 0.6GB	**HP/Sony**	Yes	No	No	Yes	Yes
5.25”MO 1.2GB	**HP**	Yes	No	No	Yes	Yes
5.25”MO 2.3GB	**HP/Sony**	Yes	No	No		Yes
RM2000 4GB Shuttle		Yes	No	No	Yes	Yes
RM2000 2GB Shuttle		Yes	No	No		
Optical 3.5”, 230MB		Yes	Yes	No	No	No

The following software can also be added to your Brisque:

- TP - TransferPro
- MP - MountPro
- NFX - NatFX (optional).

Note: Only devices supplied by Creo have their own installation and configuration documentation.
For devices not supplied by Creo, refer also to the documentation supplied by the manufacturer.

1.5.1 Installing Peripheral Devices

When installing peripheral devices, refer to the following:

- When connecting peripheral devices, use the SCSI U-F&W Board in Slot # 5 [12]. Do not use the on-board SCSI connector [5] (refer to *Brisque Rear Components* on page 13).
- Up to six peripheral devices can be linked together on the same SCSI chain provided that the length of the cable from the Brisque to the last device is not more than three meters and that there is termination on the last device.
- For SCSI chains that have an Iris proofer as the last device in the chain, only two additional storage devices can be supported.

Note: If two Brisque stations are connected to the same Iris, no additional devices can be connected to the chain from either Brisque. An additional SCSI board is needed for any additional devices.

- The Brisque computer is supplied with a 68-pin high-density to 50-pin Centronics (male) SCSI cable that is suitable for all devices except the Iomega Jaz, which requires a 50-pin high-density SCSI cable.

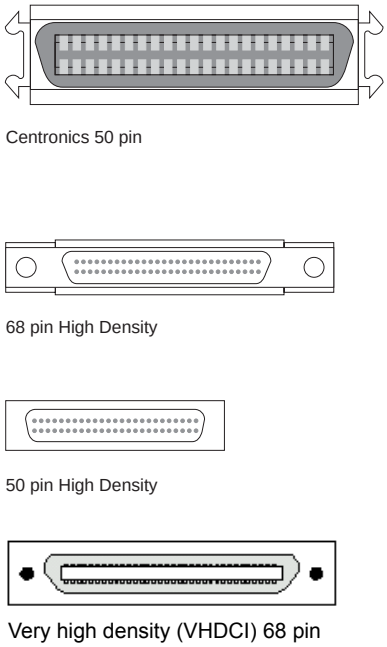


Figure 7: Connectors

- Each peripheral device in a SCSI chain must have a unique SCSI ID. This can be verified either visually, as each device has a SCSI switch, or through SciSMIT by listing all SCSI IDs currently in use (refer to *Installing Peripheral Devices* on page 20).
- Before connecting any peripheral device, shut down the station and all other currently connected devices.
- After connecting the peripheral device and verifying that the SCSI ID is correct, first power on the device then power on the station. Check the SCSI ID through TransferPro (refer to *TransferPro* on page 41).

1.5.2 Jaz Connections and Settings

- To connect the JAZ to a Brisque station a special 50 pin high density SCSI cable must be used.
- If it is the last device in a SCSI chain then the cable should be 50 pin centronics-50 pin high density in order to connect it to an existing device.
- If it is the only peripheral it can connect directly to the Brisque, in this case a 68 pin high density to 50 pin high density is required.
- The termination switch at the back of the JAZ should be set at 1 (manual).
- The SCSI ID is factory set at 4, however this may need to be changed if there is already a device in the SCSI chain with the same ID.
- Refer to the documentation supplied with the JAZ to change the ID number and use the procedures previously described to determine which SCSI ID is unused.

1.5.3 Optical Disks

These can be configured in either Direct Access Device or Optical Memory Device mode, where there is an external device switch to move between modes.

For work on the Brisque set the mode to Direct Access Device, it is recommended to use only optical disks which have this external switch.

The 5.25" 2.3GB drive supports:

- 2.3GB media (512Bytes/Sector) - Read/Write
- 1.2GB media (512Bytes/Sector) - Read/Write
- 600MB media (512Bytes/Sector) - Read only.



Note: 650 MB/1.3 GB/2.6 GB media (1024 Bytes/Sector) are NOT supported.

1.5.4 Shuttle (Removable Hard Disk)

When defining an additional internal hard disk and a shuttle disk is already connected:

1. Disconnect the shuttle disk.
2. Define the additional hard disk.
3. Reconnect the shuttle.



Note: This is recommended in order to minimize the risk of confusion between disks, since both these disks are defined in the same way.

Refer to your Creo Service Center, for additional information.

1.5.5 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. Log out from the Creo application then log in as **root**.
2. At the command prompt, type `scismit` then press ENTER.
3. From the SciSMIT main menu, select **Devices -> Fixed Disks -> Configure New Disk** then press ENTER. The Configure New Disk window appears.

```
                                                    Configure New Disk

Type or select values in entry fields.
Press Enter AFTER making all desired changes.

                                                      [Entry Fields]
  Warning: This option will destroy all data
   on selected disk/s.

* Volume Size (GB)                                    Max
* List of Fixed Disks / Shuttles
```

4. Use the TAB key (or press F4) to select the Volume Size (2GB, 4GB, 8GB, 16GB, 32GB, 64GB or Max) of the disk that you want to configure. The default is Max.
5. Select the List of **Fixed Disks/Shuttles** then press F4 to display a list of new disks.

6. Select the disk that you want to configure then press ENTER twice. The confirmation window appears.
7. Press ENTER to run the configuration. The Command Status window appears, displaying an OK status for a successful operation.
8. Press F10 to exit SciSMIT.

1.6 Powering Up the Brisque

During the powering up procedure, refer to *Component Diagrams* on page 13, 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's front panel.

   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 4.3.3
   (c) IBM 1999
   Console login:
   ```

5. At the Console Login, type `cdesci` and press ENTER twice to access the Creo application.

   Or, type `root` and 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, as described in Chapter 3, Cold Start Installation, *To configure the Date/Time:* on page 122.

1.8 Configuring the TCP/IP Network

Configuring the TCP/IP network, consists of the following procedures:

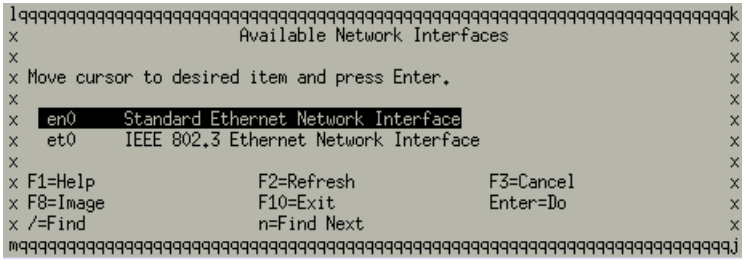
- Configuring TCP/IP for a Local Station
- Configuring TCP/IP for a Remote Station (Hosts Table).

1.8.1 Configuring TCP/IP for a Local Station

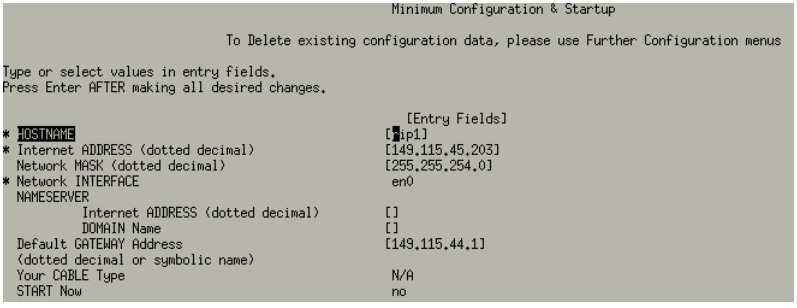
To configure TCP/IP for a local station:

1. At the command prompt, type `smit tcpip` then press ENTER.
2. Select **Minimum Configuration and Startup** in the TCP/IP window then press ENTER.

   The Available Network Interfaces window appears.



3. Select **en0** 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.
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.
For more information about Creo IP address structures, refer to Appendix A, Creo IP Address Structure Recommendations.

4. Set the configuration parameters, as follows:

HOSTNAME	The local hostname is set to the default name at the production line and is the same as the hostname noted in Chapter 3, Cold Start Installation, *Pre-Installation Checklist* on page 105.
Internet ADDRESS	Enter the Internet address of the local station.
Network MASK	An empty **Network Mask** box 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 box displays the interface being configured, for example, **en0**.
Your CABLE Type	This box 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)

Configuring TCP/IP for a remote station, 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

To access the Hosts Table:

➢ At the command prompt, type `smit hosts` then press ENTER to reach the Hosts Table window directly.

Adding a Host

To add a host:

1. From the Hosts Table window, select **Add a Host** then press ENTER. The Add a HostName window appears.
2. Select the **Internet Address** box then type the required IP Address (consult the System Administrator, if necessary).
3. Select the **Hostname** box then type 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 **List All Hosts** 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 hostnames and IP addresses from the list, as described in Removing a Host in the section that follows.

To validate the hostname list:

1. From the Hosts Table window, select **List All Hosts** 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

To remove a host:

1. From the Hosts Table window, select **Remove a Host** then press ENTER. The Remove a Host window appears, displaying the **Hostname** or **Internet Address** box (highlighted).
2. Press F4 to display the Hosts list.
3. Select the host that you want to delete then press ENTER. The confirmation window appears.
4. Press ENTER to complete the operation.
5. Press F3 to return to the Hosts Table window.
6. Select **List All Hosts** then press ENTER to verify that the host was deleted from the list.
7. Press F10 to exit SMIT.

1.9 Verifying TCP/IP Installation

To verify TCP/IP installation:

- At the command prompt, type `ping` and the station name. You should receive a continuous reply with TCP/IP details.



Note: Try pinging the station itself (for example, ping brisque1) as well as any remote stations, if available.

1.10 MountPro Setup and Operation

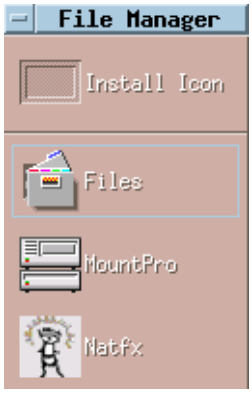
The Network File System (NFS) is a distributed file system that allows the UNIX host (or other NFS clients) to access files, directories and peripherals of another remote station (that supports an NFS Brisque) as if they were local.

This procedure describes mounting NFS filesystems for remote users.

MountPro lets you mount a volume of another remote station (Brisque or Server) so that you can access the files through the local file manager.

To start MountPro:

1. From the Launch Pad, click the arrow above the **Files** icon. The File Manager panel appears.



2. From the File Manager panel, double click the **MountPro** icon. The Devices & Remote Stations window appears.

1.10.1 Mounting a Remote Station

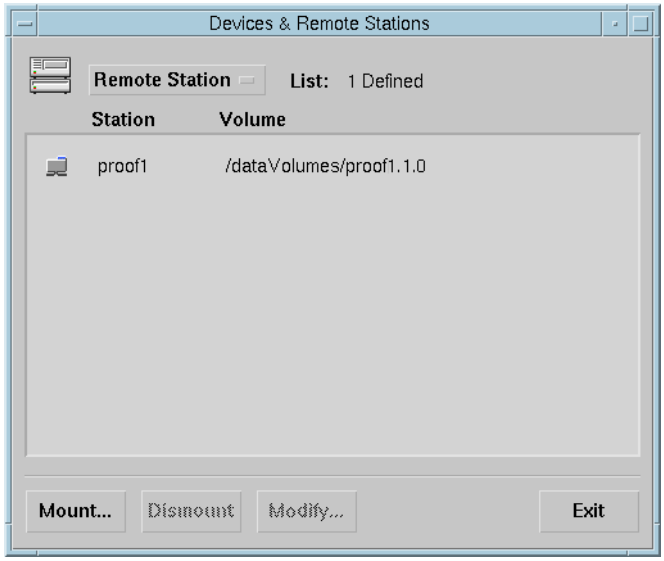
You can mount NFS data volumes, that is, regular data volumes, from any Brisque or Server on the network.

If the network has the DNS server, there is no need to define the stations as Host as a prerequisite to mounting a remote station.

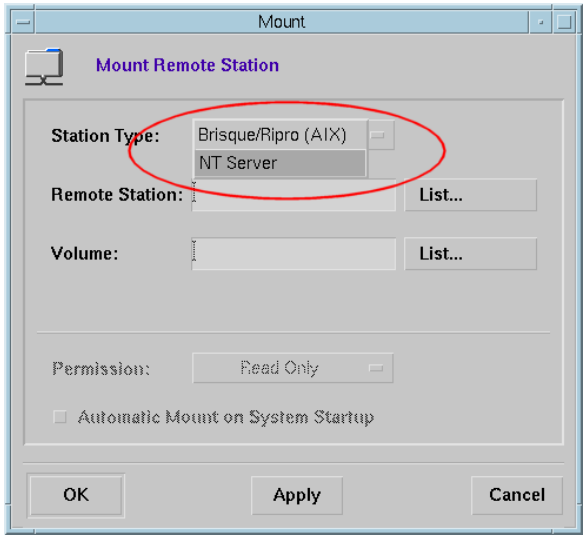
If you get the host unknown message, and you are sure you have typed the name correctly, then go into SMIT and define the remote Brisque as Host.

To mount a remote station:

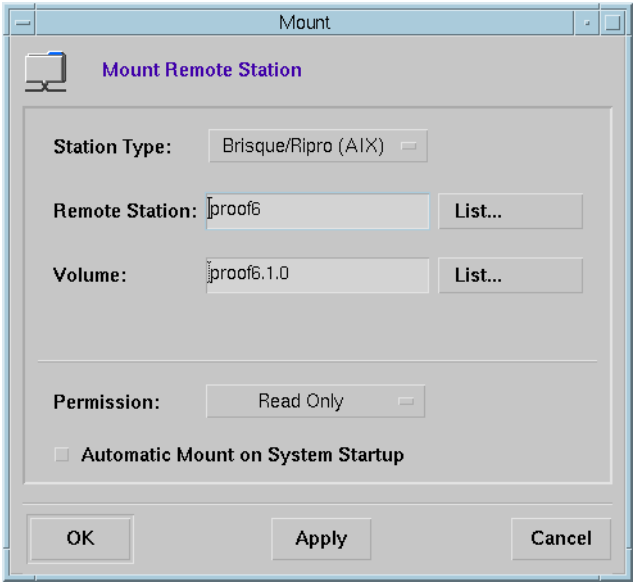
1. Launch MountPro.The Devices & Remote Stations window appears.
2. Click the **menu** button in the upper left corner of this window. If it is not already selected, select **Remote Station** from the popup menu. A list of mounted volumes appears.



3. From the Devices and Remote Stations window, click the **Mount** button. The Mount window appears.



4. In the **Remote Station** box, type the name of the remote station that you want to mount and press ENTER. The **Volume and Permission** button is activated.
   The **Volume** button automatically displays all of the existing dataVolumes on the selected remote station, but not any volumes that are currently mounted on the volume that you are mounting.



5. If the remote station that you want to mount has been defined as a host via the SMIT application then alternatively, you can click **List**, to display the Remote Stations list (displays only stations that have been defined as host via the SMIT application). From the list, select the volume that you want to mount.
6. Click the **Volume** button, and from the popup list, select the volume on the selected Remote Station that you want to mount.
7. Click the **Permission** button, and select an option from the pop-up list.
8. Select **Read Only**, and the files from the mounted volume can be read from the local Brisque, or copied to the local Brisque.



Note: When you select **Read Only**, you can preview files from the mounted volume, and not perform any other operation (such as RIP, etc.) on these files unless you copy them from the mounted data volume to a data volume on the local Brisque.

Select **Read/Write** to allow complete freedom to read from and write to the mounted volume.



Note: When you mount a volume with Read/Write capabilities, you can perform all operations on the files contained in the volume, and you also can write to the mounted volume.
If you work regularly with the selected volume and you want it to be automatically mounted every time you boot the Brisque, select the **Automatic Mount on System Startup** option.

9. Click **OK**. You are returned to the Devices & Remote Stations window, where the selected volume appears in the list. Now you can access the files and folders of the mounted volume from the File Manager, and from Browsers on the local Brisque.

To unmount a remote data volume:

1. Launch **MountPro.** The Device & Remote Stations window appears.
2. Click the **menu** button in the upper left corner of this window, and from the pop-up menu, select **Remote Station**.
3. From the Volume list, click the volume that you want to unmount. It appears highlighted.
4. Click **Dismount**. The selected volume disappears from the list. It's files and folders no longer appear in the File Manager.

1.10.2 Mounting NFS for Windows NT and Windows 2000 via MountPro

To mount NFS for Windows via MountPro:

1. Click **Mount.** The MountPro window is displayed.
2. From the Station Type menu, select **NT Server.**
3. In the **Remote Station** box, type the Win NT workstation's Name (as defined in the Hosts Table), then press ENTER.
4. To the right of the **Volume** box, click **List.** Use the browser to select a volume/drive on the Win NT workstation.
5. From the Permission menu, select **Read/Write**.
6. Click **OK** to return to the Devices & Remote Stations window. The Win NT workstation is mounted as a datavolume on the Brisque.
7. Click **OK** to close MountPro.

1.11 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 Novel.

To mount a Brisque or Server volume refer to *Mounting a Remote Station* on page 32.

To setup NFS using SMIT:

1. Activate the SMIT utility by typing `smit mknfsmnt`, then press ENTER. The Add a file system for Mounting screen appears.
2. Highlight **Pathname of mount point** and in the entry fields column type the mount point (in this example; /dataVolumes/brisque).
3. Move to the next row below and type the Pathname of a remote directory (in this example; /dataVolumes/brisque).

```
                                        Add a File System for Mounting

Type or select values in entry fields.
Press Enter AFTER making all desired changes.

[TOP]                                                 [Entry Fields]
* PATHNAME of mount point                            [/dataVolumes/brisque]
* PATHNAME of remote directory                       [/dataVolumes/brisque]
* HOST where remote directory resides                []
  Mount type NAME                                    []
* Use SECURE mount option?                           no
* MOUNT now, add entry to /etc/filesystems or both?  now
* /etc/filesystems entry will mount the directory    no
   on system RESTART.
* MODE for this NFS file system                      read-write
* ATTEMPT mount in foreground or background         background
  NUMBER of times to attempt mount                   []
  Buffer SIZE for read                               []
  Buffer SIZE for writes                             []
  NFS TIMEOUT. In tenths of a second                 []
  NFS version for this NFS filesystem                any
  Transport protocol to use                          any
  Internet port NUMBER for server                    []
* Allow execution of SUID and sgid programs          yes
   in this file system?
* Allow DEVICE access via this mount?               yes
* Server supports long DEVICE NUMBERS?              yes
* Mount file system soft or hard                    hard
  Minimum TIME, in seconds, for holding              [3]
   attribute cache after file modification
[MORE...15]

F1=Help                  F2=Refresh               F3=Cancel                F4=List
Esc+5=Reset              Esc+6=Command            Esc+7=Edit               Esc+8=Image
Esc+9=Shell              Esc+0=Exit               Enter=Do
```

4. Move to the next row below and type the station name in the Host where remote directory resides box (in this example; brisque).

5. Highlight the Mount now... row and use the TAB key to toggle to **both** at the pop-up window.
6. Similarly toggle the next box to **Yes.**
7. Toggle the next box between **read-only** and **read-write.**
8. Toggle the next box 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 confirmation 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.

1.11.1 Performing a Reciprocal Mount

When mounting a file system, you must first confirm that the file system has been exported by its host station. If the file system has been exported, other stations on the network have permission to mount the dataVolumes and to define read and read/write permissions.

1.12 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, then connect modem to Brisque.
2. Configure serial port and modem on the Brisque.
3. Check modem operation.

Hardware Required

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

1.12.1 Modem Installation Procedure

1. Connect the cable (504L41518) 9-pin side to the modem and to the 9-pin side (COM 2) on the Brisque as shown in *Brisque Rear Components* on page 13).
2. Connect the power cable from the modem to a power source and connect the dedicated telephone line to the modem (refer to *Modem Connections - Schematic View* on page 39).
3. Connect the dedicated telephone line to the modem, as shown in *Modem Connections - Schematic View* on page 39.

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

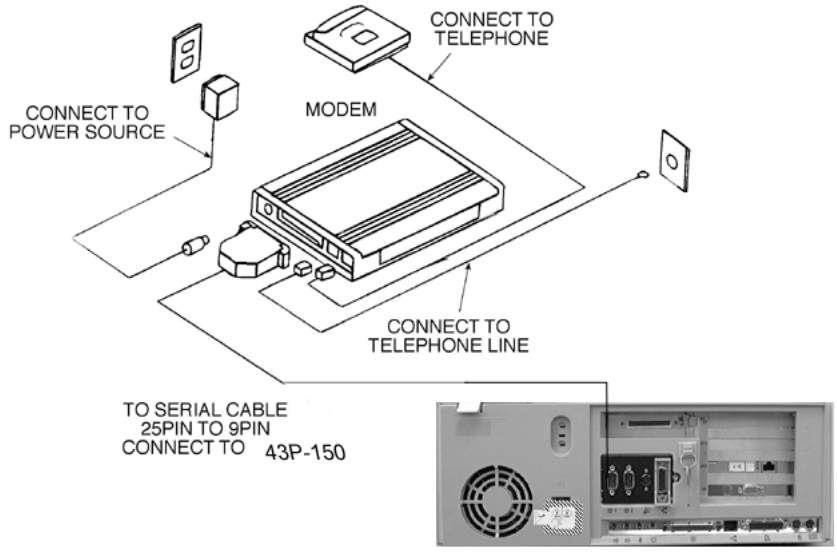


Figure 8: Modem Connections - Schematic View

1.12.2 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 *Powering Up the Brisque* on page 25).

To Configure the Modem:

1. At the Console Login, type `root` and your password (default **ripro**) then press ENTER.
2. At the command prompt, type `scismit`.
3. Select **Remote SUpport -> Install modem**.
4. Press F4 and select **tty1** (com2).
5. Press ENTER.
6. Press ENTER again in the confirmation window. The modem is automatically installed and enabled.

1.13 TransferPro

TransferPro enables you to work on the Brisque with files from PC or Macintosh formatted diskettes or from external SCSI media such as optical disks, shuttles, Mac or PC hard disk drives.

The TransferPro consists of the following procedures:

- Verifying TransferPro Installation
- Reinstalling the TransferPro License
- Verifying the TransferPro License.

Note: TransferPro and its license (password) are loaded at the factory as well as included in the Password Backup Diskette.

1.13.1 Verifying TransferPro Installation

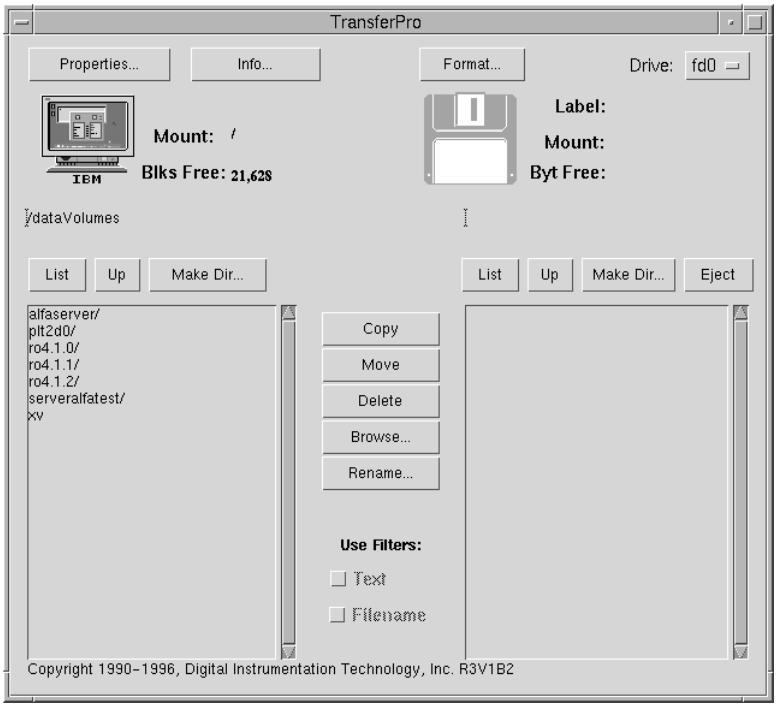
To verify TransferPro installation:

1. From the Launch Pad, open the File Manager subpanel. If TransferPro is installed correctly with the password, the following icon appears in the File Manager subpanel.



Note: If the **TransPro** icon does not appear, then it is not loaded properly.

2. Double-click the **TransferPro** icon to activate the application and display the TransferPro main window.





Important: If the cursor blinks but the application does not start, it indicates that a wrong password has been entered.

3. To access files on an external SCSI device from a popup, click the button next to the **Drive** option and select one of the following:

Select	To access
fd0	Brisque floppy disk drive
CD#	Brisque CD-ROM drive
hdiskMO	Optical disk
hdisk#	Shuttle
HdiskRM#	Jaz

Note: If there is a SCSI ID conflict or other problem such as a faulty cable, faulty connections, or the cable is too long, the conflicting devices will not appear.

4. Select the SCSI device from which you want to work.

1.13.2 Reinstalling the TransferPro License

This installation procedure is intended for those instances where TransferPro needs to be reinstalled.

To reinstall the TransferPro license:

1. Log out from the Brisque.
2. At the command prompt, type `cd /scitex/version/dit` and press ENTER.
3. Type `install_license` and press ENTER. The following window appears (the picture below is only an example):

```
install_license: Copyright (c) Digital Instrumentation Technology Inc. 1991-1996
Installing NODELOCK licensing
Please contact Digital Instrumentation Technology for a NODELOCK password
Fax your password request to DIT at: (505) 662-0897
This is your installation id DIT needs in order to
generate your password ->
UNAME_ID = c88a4c00
Do you already have a password ? [y/n]y
Please enter the password -->1234-5678-0987-6543-1234-5678-0987-6543-1234-5678-076
Licensing complete.
Run TransferPro to check if licensing was successful.
```

4. Type the UNAME_ID then type `Y` and press ENTER. The following message appears.
   `Please enter the password-->`
5. Type your password and press ENTER. The following message appears.
   `Delete current license file? [y/n]`
6. Type `y` and press ENTER.

1.13.3 Verifying the TransferPro License

➢ Activate TransferPro (as described in *Verifying TransferPro Installation* on page 41).
If the TransferPro main window opens, the license installation was successful.

1.14 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:

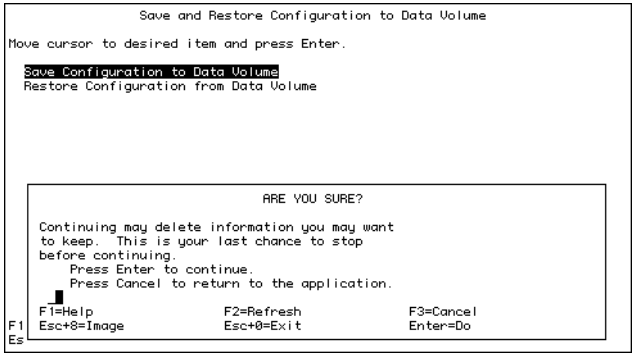
- Saving the Configuration Files to a DataVolume
- Restoring the Configuration Files from a DataVolume.

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

1.14.1 Saving the Configuration Files to a DataVolume

To save 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 **Save Configuration to Data Volume** and press ENTER. The confirmation window appears.
3. Press ENTER to complete the operation. The Command Status window appears, displaying the processes on the screen, 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.

1.14.2 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 44).
2. Select **Restore Configuration** from Data Volume and press ENTER. The confirmation 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 43P-150

Configuring Output Devices 48
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Connecting the Brisque to a Lotem 58
Connecting the TSP Data Cable to Lotem Family 59
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Installing a Proofer 74
Connecting to an Improof via a Parallel Port 85
Connecting to an Improof via the Network (TCP/IP) 86
Configuring the KodakXP4 as a Halftone Proofer 92

2.1 Configuring Output Devices

Note: As of Brisque version 4, the Output devices configuration has changed. The new configuration procedure follows.

To configure Output Devices:

1. From the Brisque Launch Pad, open the **Setup** panel.

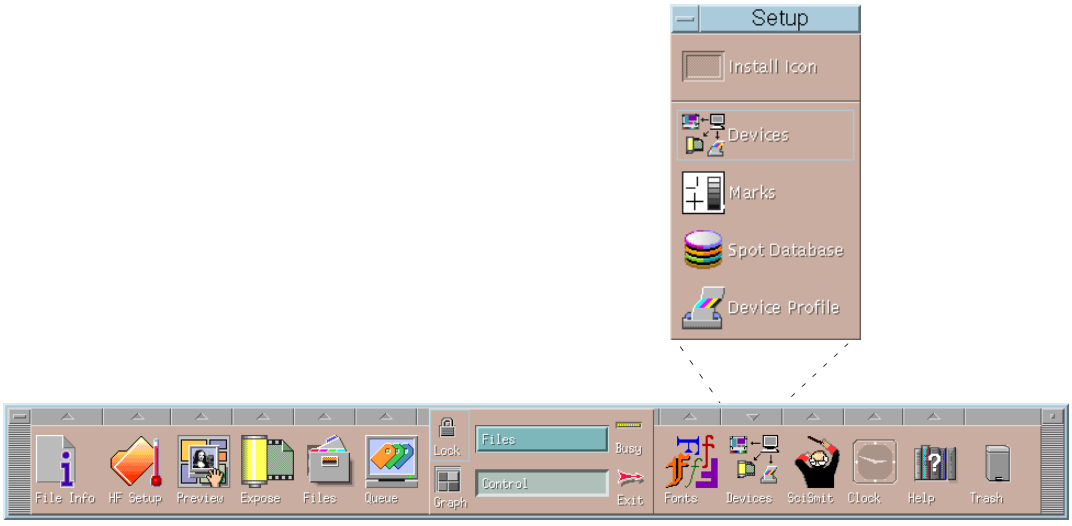


Figure 9: The Launch Pad with the Setup panel open

2. Double-click the **Devices** icon. The Output Devices Handling window appears.

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.

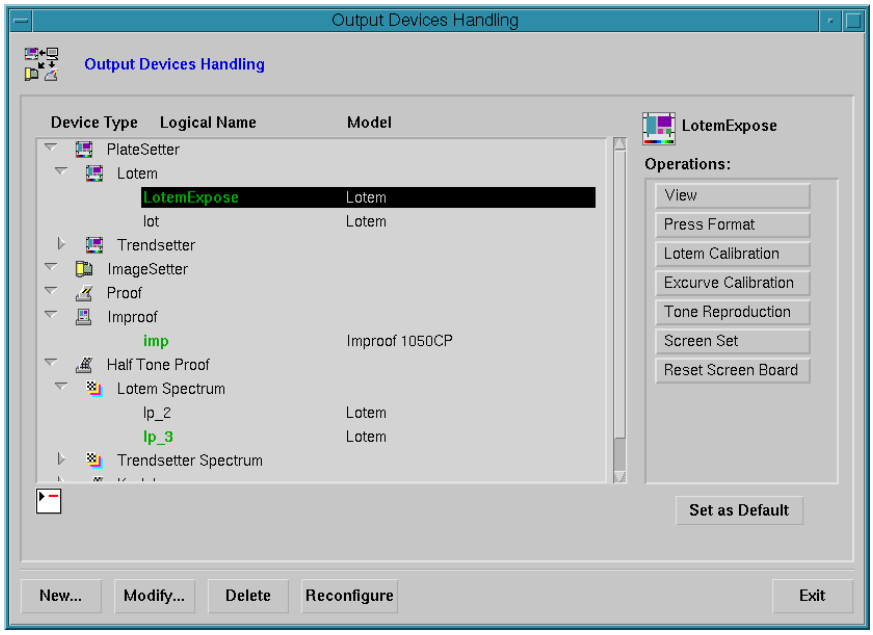


Figure 10: The Output Devices Handling Window

Device Area

The Device area allows the user to view all the possible devices to be configured in the Brisque DFE. The area is comprised of three columns:

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 Plate Setter group, Lotem Spectrum, Trendsetter Spectrum and Kodak for the Half Tone Proof group, etc.
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.



Note: It is recommended to reconfigure the device prior to every operation.

Operations area

Operations relating to the output devices are activated 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
- Configure Image Setter.

2.2.1 Installing the TSP Board

Installation of the TSP board requires the following:

- TSP board
- TSP data cable (depending on the output device)
- Software Version 4.x or higher.

To install the TSP board:



Note: Before installing the TSP board, attach the connecting bracket to the component side of the board (refer to the TSP Installation Guide, 399Z1M292A).

1. Shut down the Brisque using the appropriate shutdown commands. (This will also power off the system).
2. Remove the computer covers (refer to the 43P-150 Service Guide, Chapter 9).
3. Remove the expansion slot cover from Slot #3.
4. Install the TSP board into Slot #3.
5. Replace the computer covers.

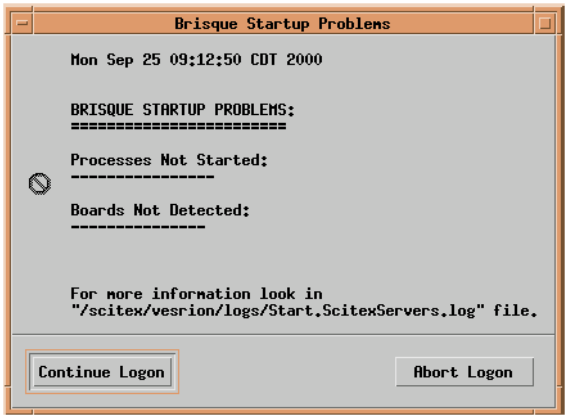
2.2.2 Connecting the Brisque using a TSP Data Cable Link

➢ Connect the TSP data cable between the TSP board on the Brisque to the host connector in the Imagesetter according to the Imagesetter type. (See TSP Installation Guide, 399Z1M292B.)

2.2.3 Verifying the TSP Board Installation

To verify the TSP board installation:

1. Power on the Brisque.
2. At the Console login, type `cdesci`. The Brisque Startup Problems window appears.



3. Ensure that the TSP board does not appear in the Boards Not Detected list.

2.2.4 Configuring the Image Setter Devices

Configuring the Dolev Imagesetter

To activate the Output Device Configuration, refer to *Configuring Output Devices* on page 48.

To configure a New Dolev imagesetter:

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



2. In the **Logic Name** box, type a logical name. From the **Device Group** list box select **Imagesetter**. The **Device Family** list box should be labeled **Dolev**. If not, select **Dolev** from the list. Select the desired TSP board from the **Screen Board** list box (TSP0 or TSP1, if two boards are mounted in the Brisque station).

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



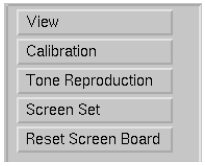
4. Click **Save**, to save the configuration connection. If the connection was successful, a message stating the fact appears for a few seconds, then the connection is displayed in the Output Devices Handling window, under the **Dolev** icon.

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, 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.

2.2.5 Viewing the Dolev Imagesetter Operations



View

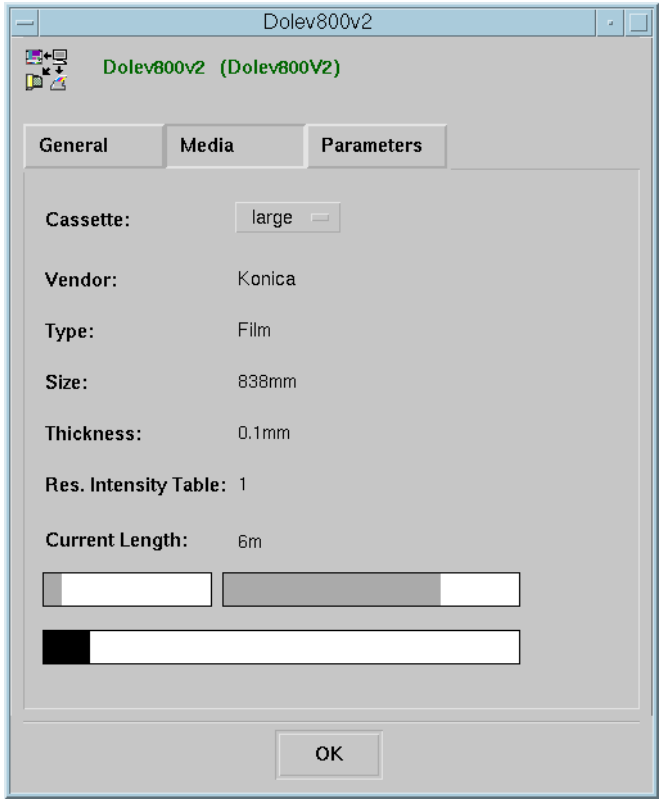
This operation allows the user to view the device parameters, set in the database.

To view the selected Dolev parameters:

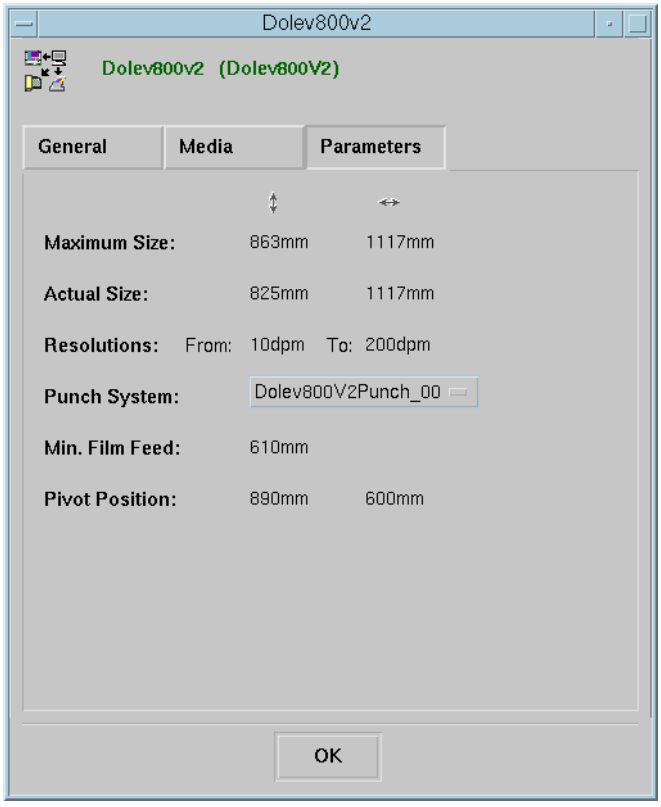
1. Click **View**. The Dolev parameters window, containing three tabs, appears.
2. Click the **General** tab. The General tab displays the configuration parameters.



3. Click the **Media** tab. The Media tab displays information on the input media, it's 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

This section describes how to connect the Brisque to Lotem family and refers to Lotem800V, Lotem800V^2, Lotem400VA, Lotem400V^2, Lotem Flex and Lotem Spectrum.

The procedure consists of the following procedures:

- Connecting the Brisque via a TSP Data Cable Link to Lotem family
- Setting Up TCP/IP Connectivity
- Verifying the TSP Boards Installation.

2.4 Connecting the TSP Data Cable to Lotem Family

Note: For TSP board installation refer to *Installing the TSP Board* on page 51.

2.4.1 Connecting the TSP Data Cable between the Brisque and a Lotem

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

➢ Connect the TSP data cable (504L1L670) between the TSP board on the Brisque and the data connector in the L. Box on the Lotem.

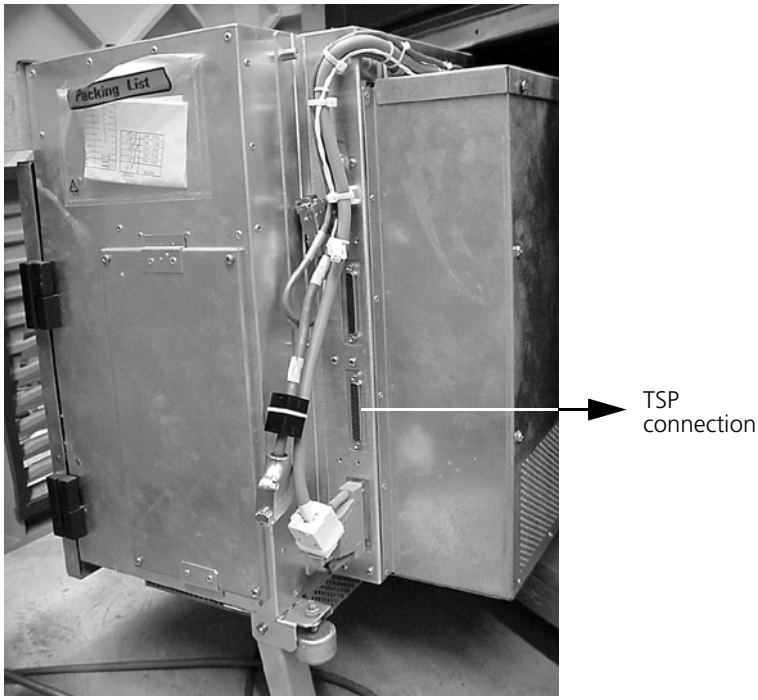


Figure 11: Connecting the TSP Data Cable Link (Data Connectivity)

2.4.2 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 directly to the Lotem controller using the special network cross cable (199A02132) supplied with the Lotem.
- **Alternative** - Connect both the Brisque and the Lotem to the site network infrastructure.

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

The direct link solution involves connecting the Brisque directly to the Lotem PC Controller using the special network cross cable (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 PC Controller
- Defining the IP Address on the Lotem PC Controller
- Defining the IP Address on the Brisque.

Connecting the Brisque to the PC Controller

To connect the Brisque to the PC 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 PC controller and the Brisque must have individual IP addresses.

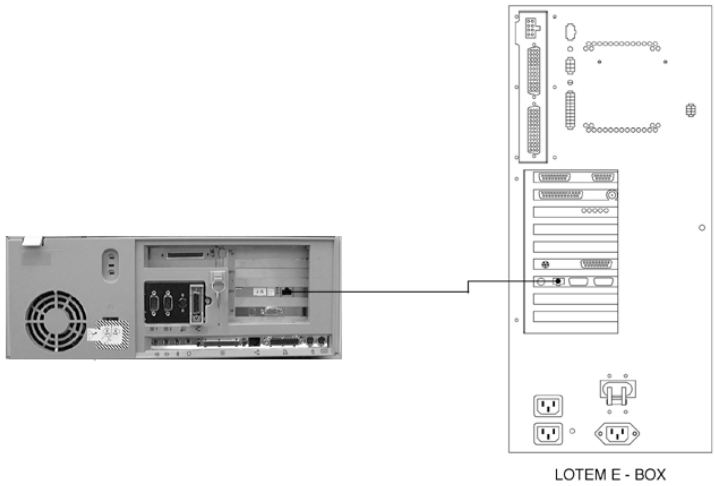


Figure 12: Brisque to PC Controller connection

Installing an additional Ethernet board

If the Ethernet board is already installed on the Brisque there is no need to perform steps 1-5 in the procedure that follows.

To install an additional Ethernet board, proceed as follows:

1. Shut down the Brisque with the appropriate shutdown procedure.
2. Remove the computer covers (refer to 43P-150 Service Guide, Chapter 9).
3. Remove expansion slot cover from slot # 2 (refer to *Chapter 1, Hardware Installation*, *Component Diagrams* on page 13).
4. Install the Ethernet board and ensure that it is firmly in place. Lock the board in place with the screw from the slot cover.
5. Replace the computer covers.

6. Connect the cross cable from the Ethernet board in slot # 2, to the network interface in the E-box, located on the right side of the Lotem.
7. Power on the Brisque.

Defining the IP Address on the Lotem PC Controller

To define the IP address on the Lotem PC Controller:

1. Power on the Lotem.
2. In Windows, select **Start -> Settings -> Control Panel**. The Control Panel window opens.
3. Double-click the **Network** icon to open the Network (viewing mode) window.
4. Select the **Configuration** tab then double-click TCP/IP Protocol to open the TCP/IP Properties window.
5. Type the IP Address (for example, 192.9.100.2) and the Subnet (for example, 255.255.255.0) for the Lotem PC Controller and 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

To define 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** to open the Available Network Interfaces window.
3. Select **en1** and press ENTER
4. In the **Internal Address** box type the IP address of the interface board (for example, 192.9.100.1).
5. In the **Network Mask** box type the address of the Subnet Mask (for example, 255.255.255.0).
6. Toggle the **Current Status** box to **Up** then press ENTER. An **OK** status now appears.

7. Press F10 to exit SMIT.

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

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 PC Controller
- Defining the IP Address on the Lotem PC Controller
- Defining the IP Address on the Brisque.

Connecting the Brisque to the Lotem PC Controller

To connect the Brisque to the Lotem PC Controller:

1. Verify that the Brisque is connected to the network via the 10BaseT/100BaseTX Ethernet port [8] (refer to *Chapter 1, Hardware Installation*, *Brisque Rear Components* on page 13).
2. Connect the Lotem PC Controller E-Box network port to the communication network switching hub (refer to figure below).

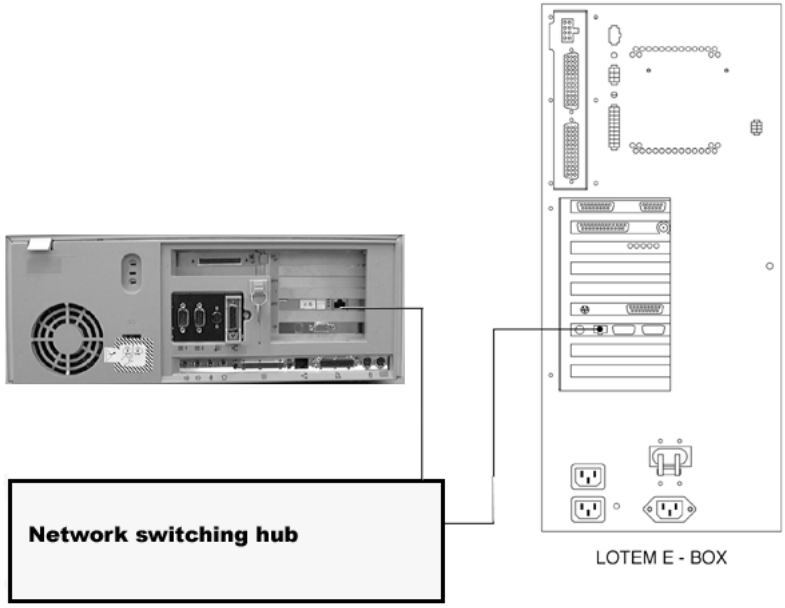


Figure 13: Brisque to Lotem Network Connection

Defining the IP Address on the Lotem PC Controller

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

To define the IP address on the Lotem PC Controller:

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

To define the IP address on the Brisque:

➢ Refer to *Chapter 1, Hardware Installation*, *Configuring TCP/IP for a Local Station* on page 27.

Verifying the TCP/IP Connection

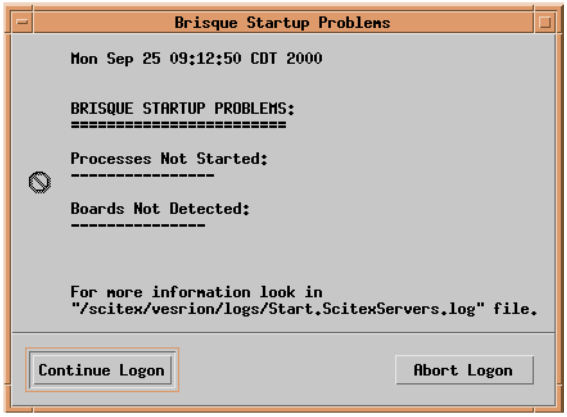
To verify the TCP/IP connection for both Connection methods:

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** box and your password in the **Password** box (default **ripro**), 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.

2.4.3 Verifying the TSP Board Installation

To verify the TSP board installation:

1. Power on the Brisque.
2. At the Console login, type `cdesci`. The Brisque Startup Problems window appears.



3. Ensure that the TSP board does not appear in the Boards Not Detected list.

2.5 Configuring the Platesetter Devices

To configure a new Lotem platesetter:

1. In the Output Device Handling window, click **New...** The new Lotem platesetter window appears.



2. In the **Logic Name** box, type a logical name. From the **Device Group** list box select **Platesetter**. The **Device Family** list box should be labeled Lotem. If not, select **Lotem** from the list. In the **TCP/IP address** box, type the address of the Lotem PC (for example, 192.9.100.2). Select the desired TSP board from the **Screen Board** list box (TSP0 or TSP1, if two boards are mounted in the Brisque station).

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



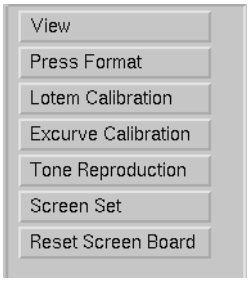
4. Click **Save**, to save the configuration connection. If the connection was successful, a message stating the fact appears for a few seconds, then the connection is displayed in the Output Devices Handling window, under the **Lotem** icon.

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.

2.5.1 Viewing the Lotem Platesetter Operations



View

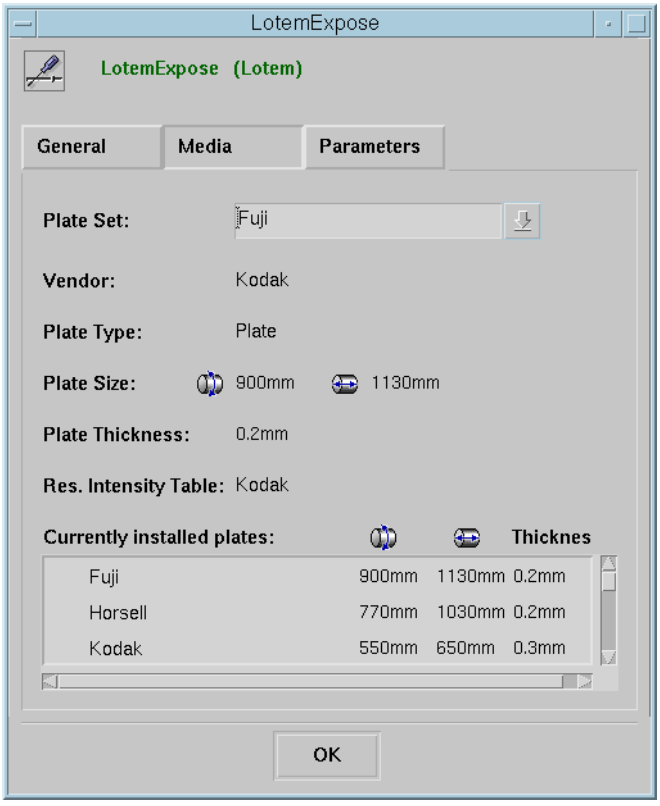
This operation allows the user to view the device parameters, set in the PC controller database.

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.



3. Click the **Media** tab. The tab displays a list of plates set in the connected device, created on the PC controller. The Currently Installed Plates, each plate including sizes and thickness, appear in the text box.



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



5. Click **OK** to exit.

2.6 Installing the Rotation Board

This section describes how to install the rotation board, which consists of the following procedures:

- Installing the Rotation Board
- Checking the Rotation Board Installation
- Enabling the Rotation Board Operation.

2.6.1 Installing the Rotation Board



Note: During rotation board installation, no extra software or license needs to be installed.

To install the rotation board:

1. Connect the connecting bracket to the component side of the rotation board (refer to the Rotation Board Installation Guide, 399Z51965A).
2. Shut down the system using the appropriate shutdown commands.
3. Remove the computer covers. Refer to the 43P-150 Service Guide, Chapter 9.
4. Remove the expansion slot cover from Slot # 4 (refer to *Chapter 1, Hardware Installation*, *Brisque Rear Components* on page 13).
5. Install the rotation board in slot # 4 and ensure that the board is firmly fitted into the slot.
6. Replace the computer cover.
7. Power on the Brisque.

2.6.2 Verifying the Rotation Board Installation

To verify the rotation board installation:

1. At the Console login, type `cdesci`. The Brisque Startup Problems window appears.



2. Ensure that the rotation board does not appear in the Boards Not Detected list.

Note: If the rotation board appears in the Boards Not Detected list, contact your local service center.

2.6.3 Enabling the Rotation Board Operation

The Rotation Board is enabled by default.

To enable/disable the rotation board:

1. Select **scismit -> Boards -> Rotation Boards**.
2. Choose one of the following options:
   - Show Status
   - Enable Board
   - Disable Board.

2.7 Installing a Proofer

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

- Connecting the Proofer
- Verifying Proofer Installation via the Iris Controller
- Configuring the Creo Proofing Zone.

2.7.1 Connecting the Proofer



Note: This option requires a license.

To connect the Proofer:

1. Power off the Proofer and the Brisque.
2. Connect one end of the SCSI cable to the Proofer and the other end to the on board SCSI [13] (refer to Chapter 1, Hardware Installation, *Brisque Rear Components* on page 13).
3. Ensure that the Proofer is at the end of the SCSI chain.
4. Power on the Proofer 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 75.
6. Connect the remote diagnostics RS232 cable between COM1 (refer to Chapter 1, Hardware Installation, *Brisque Rear Components* 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.

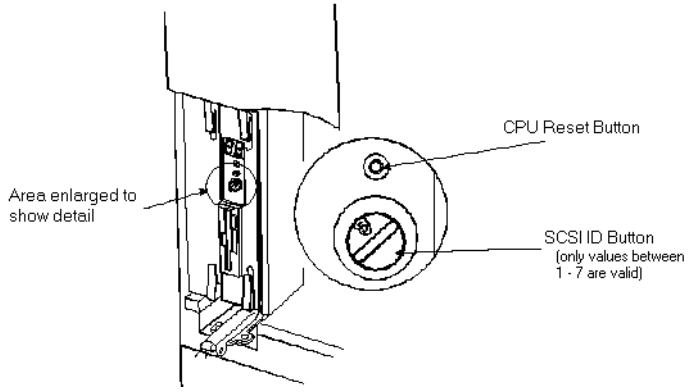


Figure 14: SCSI ID Selector

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

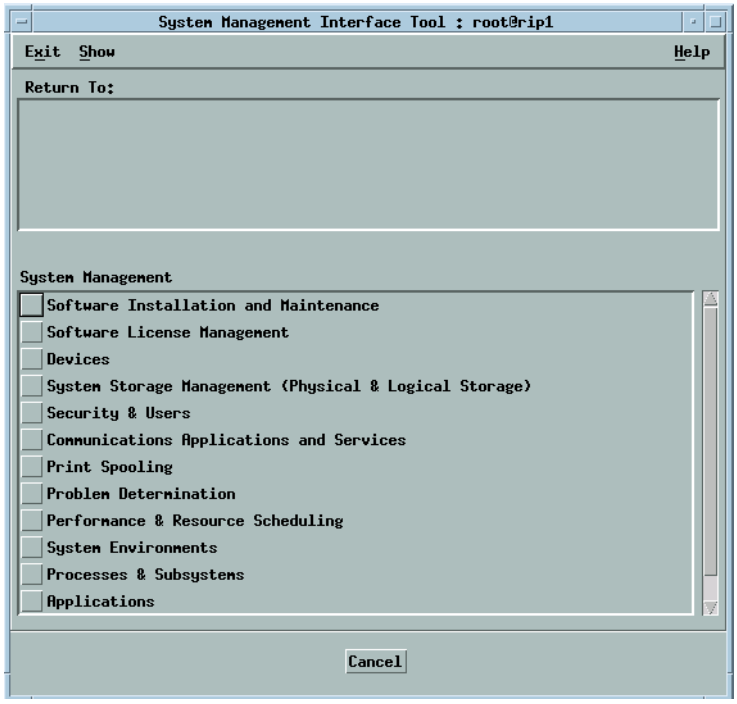
2. To change the SCSI ID, turn the dial to the right or left.

2.7.3 Verifying the Proofer SCSI Connection

To verify the Proofer SCSI connection:

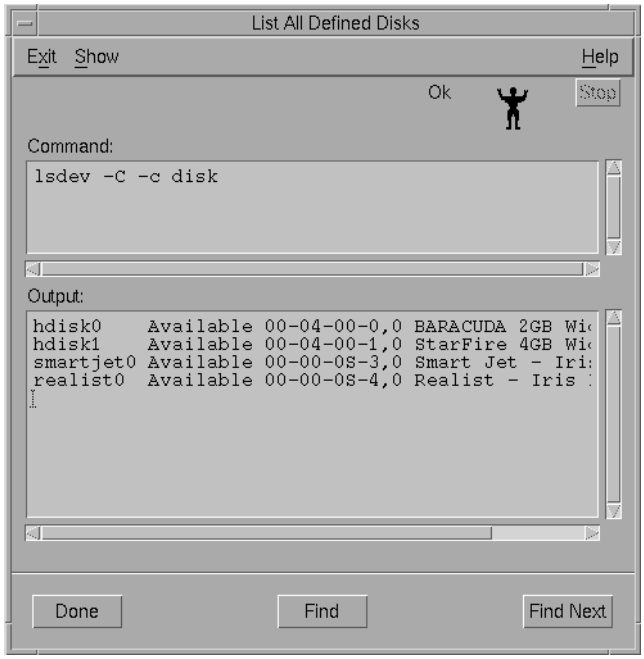
1. Ensure that the Brisque is powered on.
2. From the Launch Pad, open the **Services** sub-panel.
3. Double-click the **SMIT** icon to open the Password dialog.

4. Type `root` in the **User** box and your password in the **Password** box (default **ripro**), then 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, displaying all the system's defined disks in the Output area (including the proofers).

Note: In the event that there is a clash of SCSI addresses, the proofers do not appear.



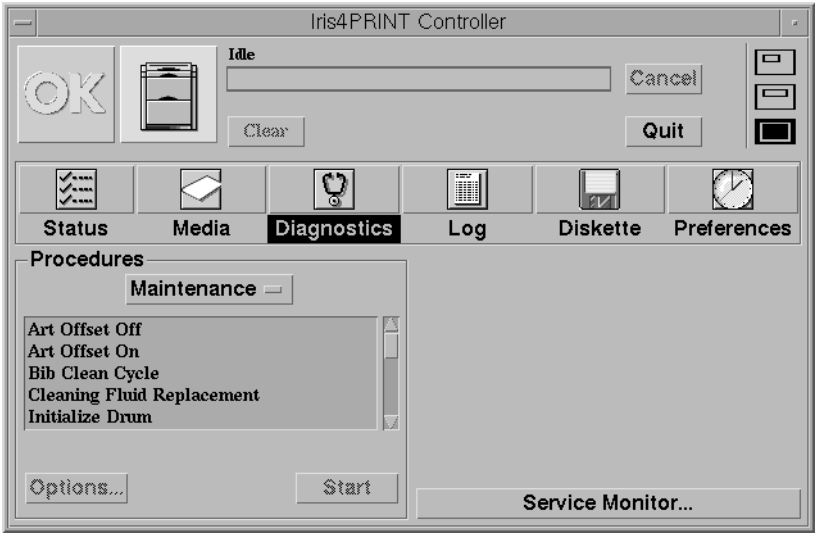
6. Verify that the proofer appears in the Output area.
7. Click **Done**, then click **Exit** to exit SMIT.

2.7.4 Verifying Proofer Installation via the Iris Controller

To verify Proofer installation via the Iris Controller:

1. From the Launch Pad, open the **Services** sub-panel.

2. Double-click the Iris **Controller** icon to open the Controller window.



If the proofer is configured properly, the name of the Proofer appears in the header of the Controller window.

If the Iris Controller is not configured properly, a Searching for Printer message will appear.

3. If the Iris Controller is not recognized, do the following:

   a. Check the SCSI connections.

   b. Shut down the Brisque then reboot the system.

   c. Repeat Steps 1 and 2.

2.7.5 Configuring the Creo Proofing Zone

The Creo Proofing Zone (CPZ) is a color mode that supports ICC profiles created for specific proofers and is part of the color management system for IRIS proofers. The Creo Proofing Zone uses a database that includes all color information relevant to the IRIS proofers and can be located either on the local Brisque or on a remote Brisque or Mac.

The database must be activated in order to send proofs to an IRIS proofer, and Creo Proofing Zone configuration enables you to determine where the database will be located.

Important: It is important to successfully verify the proofer SCSI connection before configuring the Creo Proofing Zone (refer to *Verifying the Realist SCSI ID* on page 74).

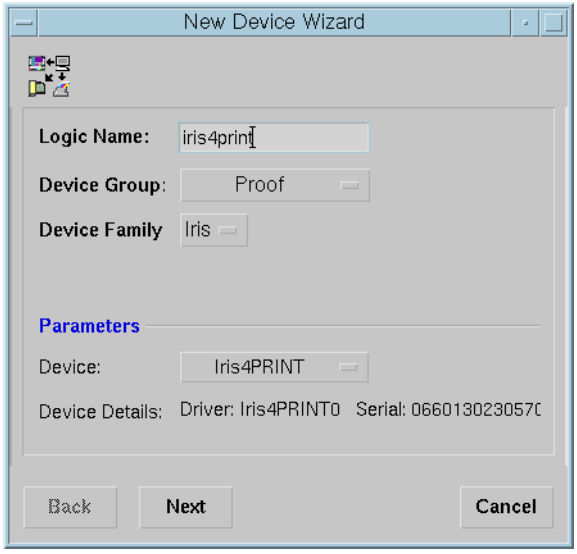
2.7.6 Configuring a New Proof Device

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. In the Output Device Handling window, click **New...** The new Iris Proofer window appears.

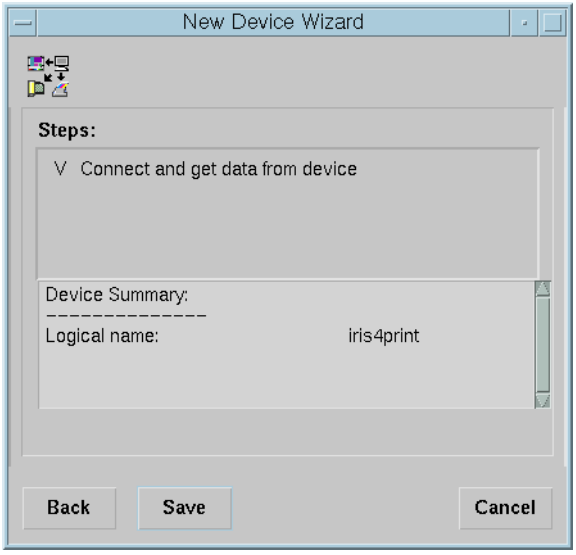


2. In the **Logic Name** box, type a logical name. From the **Device Group** list box select Proof. The **Device Family** list box should be labeled Iris. If not, select **Iris** from the list.

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 dialog is displayed, enabling re-connection. If the configuration is successful, a device summary appears.



5. 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 **Proof** icon.

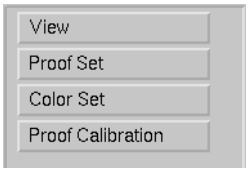
To Reconfigure the Iris proofer:

➢ In the Output Device Handling window, select the **Iris 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.

2.7.7 The Iris Proofer Operations



View

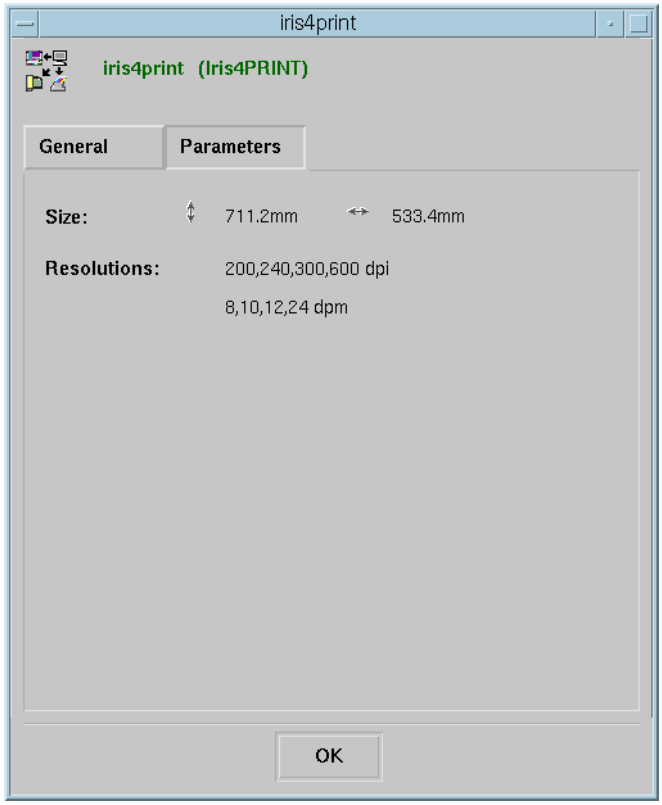
This operation allows the user to view the device parameters, set in the Iris device.

To view the selected Iris parameters:

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



3. Click the **Parameters** tab. The tab displays proof parameters such as height, width and proof resolution (dpm or dpi).

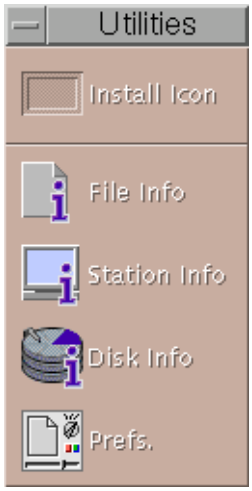


4. Click **OK** to exit.

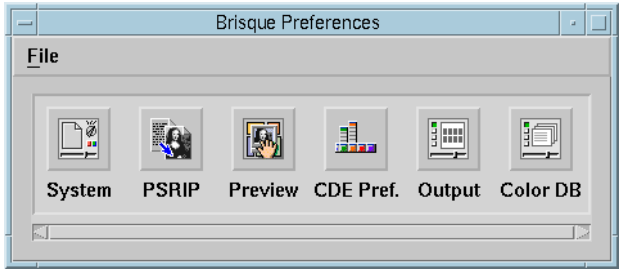
2.7.8 Configuring the Database

To configure the database:

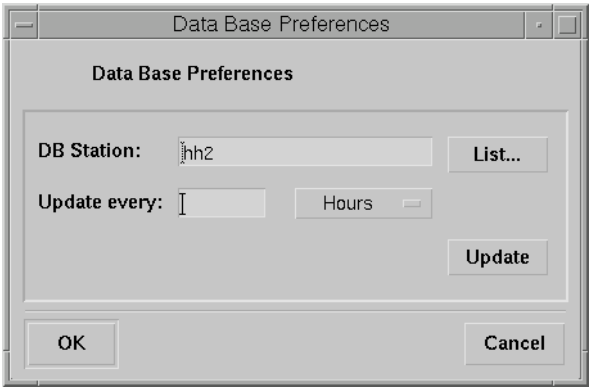
1. From the Launch Pad, click the **File Info** button, then click the **Prefs** button.



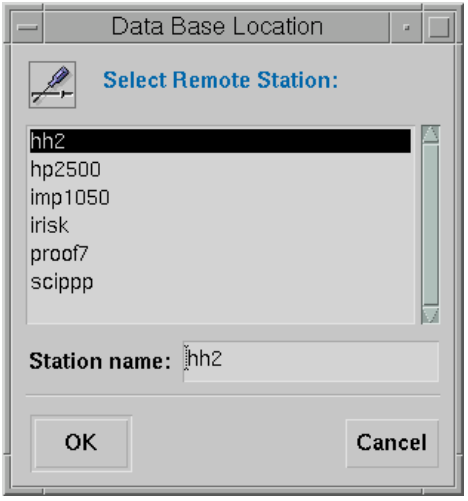
2. In the Creo Preferences window, click the **DB Locat.** button.



The Database Preferences window now appears, displaying database configuration parameters.



3. (For first-time configuration) Click the **List** button to open the Data Base Location window.



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

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

5. Click **OK** to complete the operation. The database is now active. For more detailed information, refer to Realist (FX) Proofing Zone for the Brisque, 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, 399Z50636B.

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
- Software Version 3.x or higher.

2.9.1 Configuring the Improof TCP/IP Parameters

To view 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 until I/O setup appears, then press ENTER.
3. Press the UP arrow until Modular appears, then press ENTER.
4. After the Cfg Network=No message appears automatically, press ENTER.
5. Press the UP arrow to select **Yes**, then press ENTER.
6. Press the DOWN arrow until `Cfg TCP/IP=No` appears, then press ENTER.
7. Press the UP arrow to select **Yes**, 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 to select BootP=no then press Enter.

9. Press the UP arrow until IP Byte1=xxx appears and type byte 1 of the IP address.
   (for example; Byte 1 = **192**)
10. Press the UP arrow three additional times and type byte 2, byte 3, and byte 4 as they appear.
    (for example; Byte 2 = **9**; Byte 3 = **100**, Byte 4 = **1**)
11. Continue to press the UP arrow and type bytes 1, 2, 3, and 4 for each of the following:
    - Subnet Mask (SM)
    - Log Server (LG)
    - Default Gateway (GW).
12. Press PREVIOUS three times until the **Ready** status appears.

2.9.2 Configuring the Imposition Proofing Devices

Configuring the Imposition Proofer

To configure a new Imposition proofer:

1. In the Output Device Handling window, click **New...** The new Imposition Proofer window appears.



2. In the **Logic Name** box, type a logical name. From the **Device Group** list box select **Improof**. From the **Device Family** list box select a family. Click the button on the right side of the **Device Model** list box. Drag and select a model.

3. Select the **Parallel Port** or **TCP/IP address** radio button to select a data communication method. If the **TCP/IP address** was selected, type the address of the device in the **address** box (for example, 192.9.100.2).



Note: The Parallel Port is a direct connection.

4. Click **Next.** If the configuration is successful a device summary appears.

5. 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.

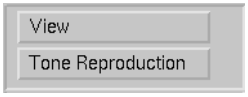
To reconfigure the Imposition proofer:

➢ In the Output Device Handling window, select the **Imposition 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.

Viewing the Imposition Proofer Operations



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

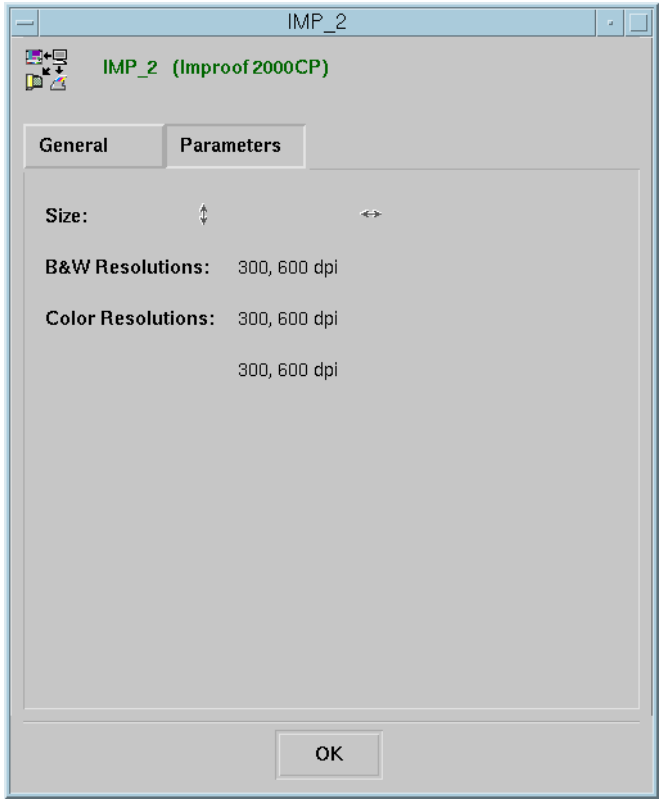
To view the selected Imposition proofer parameters:

1. Click **View.** The proofer parameters window, containing two tabs, appears.

2. Click the **General** tab. The tab displays the configuration parameters.



3. Click the **Parameters** tab. the 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.

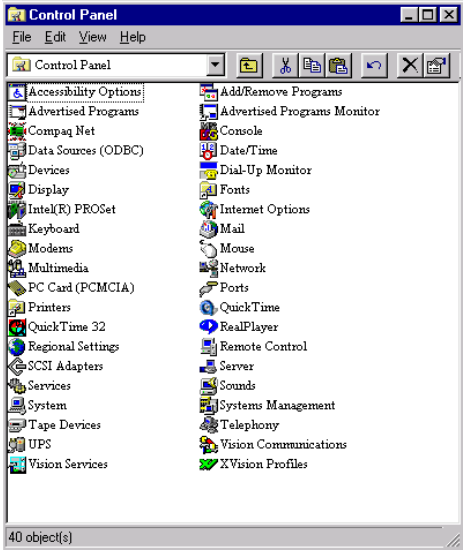
Before configuring the KodakXP4, ensure that the following requirements are met:

- 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 software version on the Brisque is 3.x or higher
- The TSP board is installed on the Brisque (refer to Section 2.2, Connecting an Imagesetter Using the TSP Board).

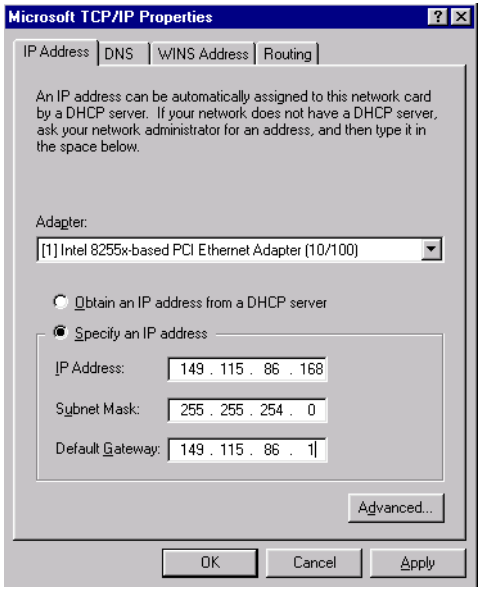
2.10.1 Verifying the IP Address on the NT Server

To verify 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 to open the Network (viewing mode) window.
3. Select the **Protocols** tab then double-click the **TCP/IP Protocol** to open the TCP/IP Properties window.

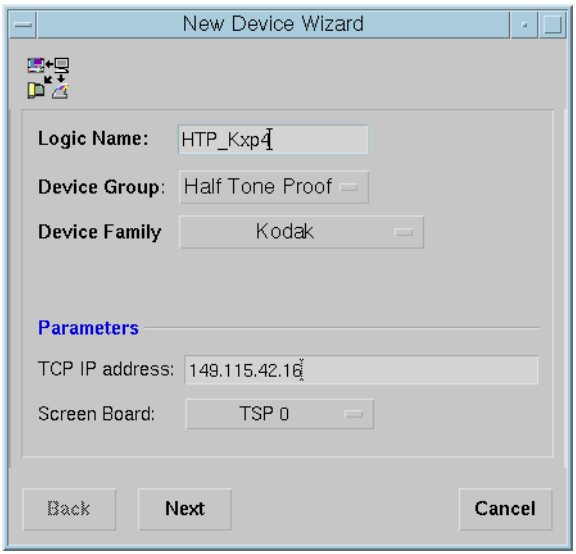


4. From the **IP Address** tab, record the IP Address for future reference.
5. Click **Cancel** twice to exit from the network settings.

2.10.2 Configuring the Kodak XP4 as a Half Tone Proofer

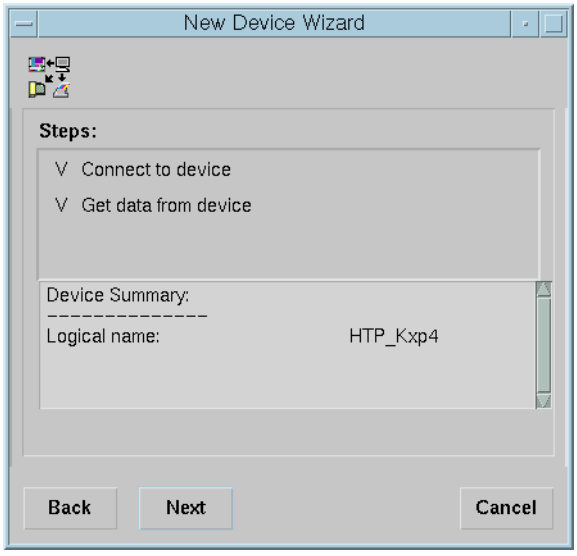
To configure a new Kodak XP4 half tone proofer:

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



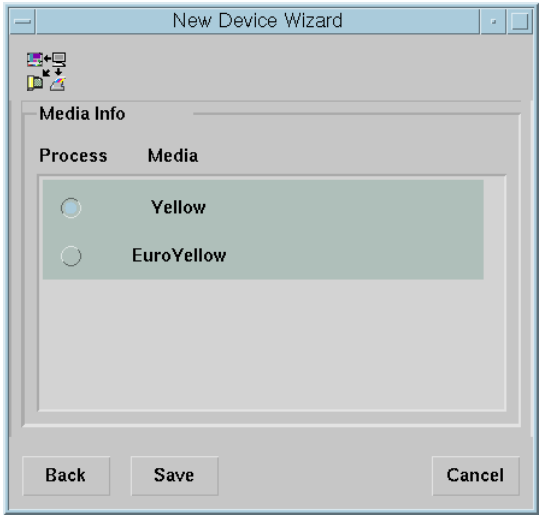
2. In the **Logic Name** box, type a logical name. From the **Device Group** list box select **Half Tone Proof**. The **Device Family** list box should be labeled Kodak. If not, select **Kodak** from the list. In the **TCP/IP address** box, type the address of the device (for example, 192.9.100.2). Select a TSP board from the **Screen Board** list box (TSP0 or TSP1, if two boards are mounted in the Brisque station).

3. Click **Next**. If the selected Screen Board is already in use, a warning dialog is displayed, enabling another board selection. If the configuration connection is successful a device summary appears in the New Device Wizard window.



4. 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 made 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.

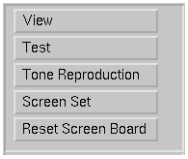
5. Choose between the conflicting process colors (for example, between Yellow and Euro Yellow). Click **Save**, to save the configuration. If the configuration connection was successful, a message stating the fact appears for a few seconds, then the connection is displayed in the Output Devices Handling window, under the **Kodak** icon.

To Reconfigure the Kodak XP4 half tone proofer:

➢ In the Output Device Handling window, select the **Kodak XP4 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.

Viewing the Kodak XP4 Half Tone Proofer Operations



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

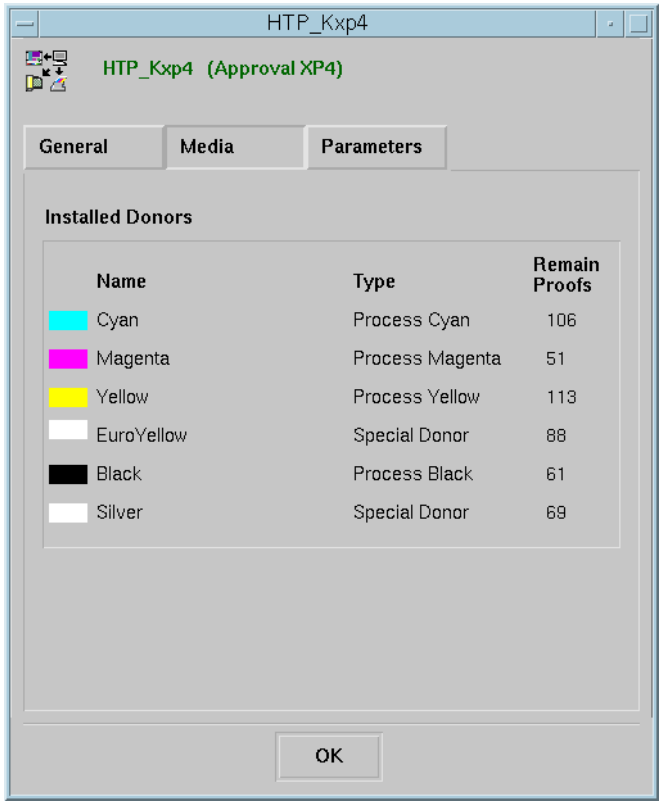
To view the selected Trendsetter Spectrum parameters:

1. Click **View.** The Trendsetter Spectrum parameters window, containing three tabs, appears.

2. Click the **General** tab. The tab displays the configuration parameters.



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



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



5. Click **OK** to exit.

3 Cold Start Installation

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3.1 Read Me First

The Cold Start installation procedures described in this chapter should be performed only for troubleshooting purposes or after replacing a system disk.



CAUTION: Performing a complete Cold Start installation will erase all configuration parameters - see sections *Saving the Configuration Files to a Data Volume* on page 105 and *Restoring Configuration Files from Data Volume* on page 117.

New Brisque system is supplied with factory-installed Brisque software, licenses, and passwords. In addition, a Password Backup Diskette and a sticker, which contains written passwords, are supplied with the system.

3.2 Preparing for Cold Start Installation

3.2.1 Saving the Fonts Library

To save the fonts library:

1. From the Brisque Launch Pad, double-click the **Fonts** icon to open the Font Handling window.
2. Click the **All** button to select all the fonts.
3. Click the **Backup** button to open the Font Management window.
4. Select a directory. The backup program will automatically create a directory named **psfonts**.
5. Select **/dataVolumes/hostname1.0**. This process will take about a minute to execute depending on the number of fonts.
6. Click **OK** in the Font Management window.
7. Click **Exit** in the Font Handling window.

3.2.2 Noting the Filesystem Size

To note the filesystem size:

1. From the Brisque Launch Pad, open the **Utilities** panel.
2. Select **Disk Info**, then **System Wide**.
3. Record the total size of the /markers and /psfonts file systems.



Important: For the Brisque ver 4.0 the /markers filesystem increases from 48MB to 104MB, and the /psfonts filesystem increases from 56MB to 120MB.

3.2.3 Updating a Password Backup Diskette

Make sure your Password Backup Diskette is up-to-date, otherwise you should update it.



Note: This operation backs up the Creo passwords, the Helios activation key, the NatFX and TransferPro (DIT) licenses and must be performed whenever there is a licensing change.

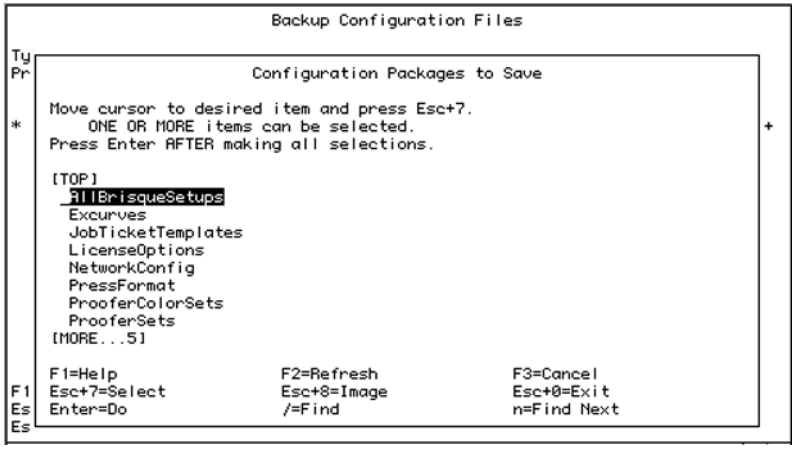
To update/create a password backup diskette:

1. Log out from the Creo application and log in as **root**.
2. Insert a new UNIX formatted diskette or the supplied Password Backup Diskette into the floppy drive.



Note: Make sure that the diskette is write enabled.

3. At the command prompt, type `scismit` then press ENTER.
4. From the **SciSmit** main menu, select **Backup and Restore -> Manual Backup and Restore -> Configuration Backup and Restore -> Save Configuration to Diskette**. The Back Up Configuration Package(s) to Save window appears.
5. Press F4. A list of options appears in the Configuration Packages to Save window.



6. Select **LicenseOptions** from the list, then press ENTER.
7. Press ENTER to start the operation. The Command Status window displays an **OK** status upon completion.
8. Select F10 to exit SciSmit.
9. Remove the diskette from the diskette drive.

3.2.4 Saving the Configuration Files to a Data Volume

To save the configuration files to a data volume:

1. At the command prompt, type `scismit` then press ENTER.
2. From the **SciSmit** main menu, select **Backup and Restore -> Save and Restore Configuration to Data Volume -> Save Configuration to Data Volume**. The confirmation window appears.
3. Press ENTER to start the operation. The Command Status window displays an **OK** status upon completion.



Note: If a failed status is returned, you can scroll through 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. In any case, the configuration is completely saved and can be restored.

4. Select F10 to exit SciSmit.

3.2.5 Pre-Installation Checklist

Before commencing the Cold Start installation, ensure that you have the following items:

Before commencing the Cold Start installation, ensure that you have the following items:

- Creo Brisque Distribution Media, Installation Diskette
- Creo Brisque Distribution Media, AIX 4.3.3 Base Operating System CD
- Creo Brisque Distribution Media, AIX Add-On CD
- Creo Brisque Distribution Media, Brisque Product CD (1 of 2)
- Creo Brisque Distribution Media, Brisque Product CD (2 of 2)
- Creo Brisque Distribution Media, Additional Product CD (The Asian and Japanese fonts).

In addition, the following Brisque station settings should be written down for easy reference during the installation procedure:

- Hostname
- TCP/IP Settings.

To note the Hostname and the TCP/IP settings:

1. At the command prompt, type `smit tcpip` then press ENTER. The TCP/IP window appears.
2. Select **Minimum Configuration & Startup**. The Available Network Interfaces window appears.

```
                    Available Network Interfaces

 Move cursor to desired item and press Enter.

  en0      Standard Ethernet Network Interface
  en1      Standard Ethernet Network Interface
  et0      IEEE 802.3 Ethernet Network Interface
  et1      IEEE 802.3 Ethernet Network Interface

 F1=Help                  F2=Refresh               F3=Cancel
 F8=Image                 F10=Exit                 Enter=Do
 /=Find                   n=Find Next
```

Select the appropriate interface, as follows:

Brisque E-30	en 0
Brisque 43P-140	en 1
Brisque 43P-150	en 0
Brisque F-50	en 1
Brisque 44P-170	en 0
Brisque 6F1	en 0

The Minimum Configuration & Startup window appears.

```
                        Minimum Configuration & Startup

 To Delete existing configuration data, please use Further Configuration menus

Type or select values in entry fields.
Press Enter AFTER making all desired changes.

                                                      [Entry Fields]
* HOSTNAME                                           [hh1]
* Internet ADDRESS (dotted decimal)                  [149.115.43.80]
  Network MASK (dotted decimal)                      [255.255.254.0]
* Network INTERFACE                                   en0
  NAMESERVER
           Internet ADDRESS (dotted decimal)         [149.115.39.1]
           DOMAIN Name                               [stil.scitex.com]
  Default GATEWAY Address                            [149.115.42.1]
  (dotted decimal or symbolic name)
  Your CABLE Type                                     N/A                    +
  START Now                                           no                     +


F1=Help             F2=Refresh          F3=Cancel           F4=List
Esc+5=Reset         Esc+6=Command       Esc+7=Edit          Esc+8=Image
Esc+9=Shell         Esc+0=Exit          Enter=Do
```

3. Record the following settings:
   - Hostname
   - Internet ADDRESS
   - Network MASK
   - NAMESERVER
     - Internet ADDRESS
     - DOMAIN Name
   - Default GATEWAY address
4. Press F10 to exit SMIT.

3.3 Cold Start Installation

The Brisque Cold Start installation procedure includes the following steps:

- Installing AIX
- Installing AIX Add-On software
- Installing Brisque software
- Installing additional software (Asian and Japanese fonts).

3.3.1 Installing AIX

To install AIX:

1. Shut down the Brisque and power off all peripheral devices.
2. Insert the FD#1 Installation Diskette into the floppy drive.



Important: Do not remove diskette until the end of the Cold Start procedure. Before powering on the Brisque, read carefully steps 4 and 5. Then proceed to step 3.

3. Power on the Brisque, the Brisque Power On LED lights up.
4. Insert the CD#1 AIX 4.3.3 Base Operating System CD into the CD-ROM drive. The Brisque initiates POST (Power On Self Test) and the progress codes are displayed on the panel LCD. During the POST, the following five initialization indicators appear as icons across the bottom of the display: Keyboard, Diskette, Memory Module, SCSI and Disk Boot.



Note: The next step must be performed before the last indicator appears, otherwise you will have to power off and power on the Brisque.

5. To start the boot from the CD-ROM:
   For the 6F1 platform, press 5.
   For all other platforms, press F5.



Note: Remember to leave the front door **open** since the CD-ROM drive opens automatically after the reboot.

6. After about two minutes, installation begins and the following message appears on your console.

```
********Please define the System Console********

Type the F1 key and press Enter to use this display
as the system console
```

7. Press F1 then press ENTER. The following message now appears on the screen.

8. At the **Choice** prompt, press ENTER to confirm the default selection **1**. This ensures that English will be used during the installation. The Installation and Maintenance window appears.

```
                Welcome to Base Operating System
                Installation and Maintenance
Type the number of your choice and press Enter
Choice is indicated by >>>

1.  Start Installation now with Default Settings
2.  Change/Show Installation Settings and Install
3.  Start Maintenance mode for system Recovery

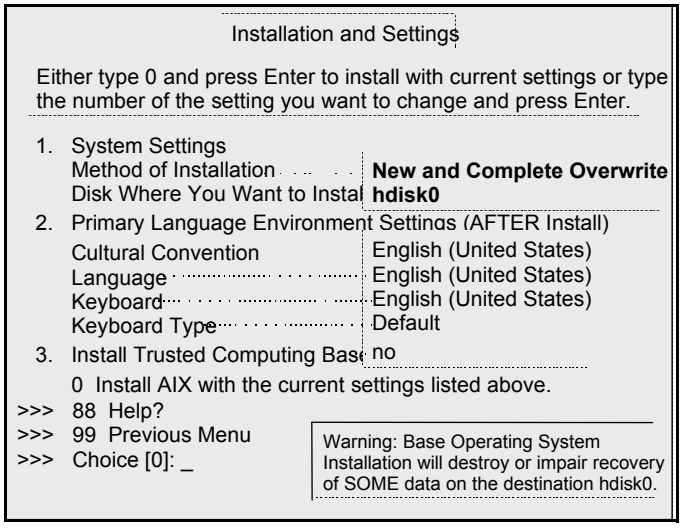

88  Help?
99  Previous menu
Choice:[1]
```

9. Type `2` then press ENTER to open the Installation and Settings window, which displays the default installation settings for the system.

10. Type `1` then press ENTER to open the Change Method of Installation window.

11. Type `1` then press ENTER to select **New and Complete Overwrite** and to open the Change Disk(s) Where You Want to Install window.

12. Make sure the **hdisk0** is the only option that can be selected (>>> 1. hdisk0...), then press ENTER. The Installation and Settings window appears, displaying the method of installation as New and Complete Overwrite and the disk where you want to install as a hdisk0.



13. Press ENTER to begin the installation with the current settings.

    This process takes approximately 25 minutes to complete. During this time, a progress indicator appears on the screen, and lists of the installed LPPs are scrolled across the screen. Upon completion, the system reboots, and the PowerPC Startup screen appears again, displaying the object indicators and the following message.

```
Starting Software... Please wait
```

The following message appears on the screen:

```
************************************************

AIX BOS (Base Operating System) is installed.
Please remove 'AIX BOS' CD
Please insert 'AIX ADD-ON' CD and press Enter to
continue...

************************************************
```

Note: After the BOS (Base Operating System) is installed, the CD#1 is automatically ejected.
If the FD#1: Installation Diskette is not in the diskette drive or is damaged, or if the diskette drive is damaged, the CD#1: AIX 4.3.3 Base Operating System CD will not be automatically ejected.
This indicates that, due to a failure relating to the diskette CD#1 (and/or drive), AIX has not been completely installed.

14. Before proceeding:
    a. Check that the FD#1: Installation Diskette is inserted into the diskette drive.
    b. Verify that the diskette drive is not malfunctioning and/or that the diskette is not defective.

    Note: If you continue to experience problems, contact your local service center.

15. Proceed with AIX Add-On installation described in the next section.

3.3.2 Installing AIX Add-On Software

1. Insert the CD#2 AIX Add-On CD into the CD-ROM drive and press ENTER, then answer the questions that appear on the screen:

```
Product Type
1) Brisque
2) BrisqueServe
Please choose the product type [ ] >>
```

2. Type `1`. The following message appears.

```
Product Type: Brisque
Please confirm [y/n] >> [y]
```

3. Press ENTER. The following message appears.

```
Please enter the Station Name >>
```

4. Type your station name (for example, `brisque4`). The following message appears.

```
Station Name: brisque4
Please confirm [y/n] >>[y]
```

5. Press ENTER. The following message appears.

```
Please wait...
Station Name: brisque4
Do you want to format All your data disks? [y/n]
>>[n]
```

6. Press ENTER. The following message appears.

```
Configure Data Disks: no
```



Note: Selecting **Yes** will erase all the data volumes and the configuration files.

The following message appears.

```
Current Date and Time
Time Zone:WET(CUT+2)Daylight Savings Time is not
used
Date:          September 13, 2000
Time:          10:24:56
Do you want to change them? [y/n] >> [n]
```

7. Press ENTER.

The following message appears.

```
Current Date and Time

Time Zone:WET(CUT+2)Daylight Savings Time is not
used
Date:          September 13, 2000
Time:          10:24:56

Do you want to change them? [y/n] >> [n]
```

8. Press Enter. The following message appears.

```
Product Type: Brisque
Station Name: brisque4
Time Zone:WET(CUT+2)Daylight Savings Time is not
used
Date:          September 13, 2000
Time:          10:27:36
Configure Data Disks: no

Please confirm the above settings [y/n] >>
```

9. type `y`. The following message displays:

```
Installation in Progress       Please wait...
```

The AIX Add-On installation takes up to 20 minutes to complete. During this time, lists of the installed LPPs appear on the screen.

Upon completion, the CD#2: AIX Add-On CD is automatically ejected and the following message appears on the screen:

```
************************************************

AIX Add-Ons CD is installed.
Please remove 'ADD-ON' CD.
Please insert Brisque CD and press Enter to
continue...

************************************************
```

10. Remove the CD#1: AIX 4.3.3 Base Operating System CD.
11. Proceed with the Brisque software installation as explained in the next section.

3.3.3 Installing the Brisque Software

To install the Brisque software:

1. Insert the Brisque Product 1 - 4.0.97 (1 of 2) CD and press ENTER.



Note: This process takes approximately 25 minutes to complete. Remember to leave the front door open since the CD will automatically be ejected after the reboot.
Please be aware that during the process the screen will switch to a save mode. Press the space bar to refresh the screen.

When ready, the following message appears on the screen:

```
************************************************
Please insert "Brisque Product 2" CD and press Enter
to continue...
************************************************
```

2. Remove the Brisque Product 1 - 4.0.97 (1 of 2) CD from the drive and insert the Brisque Product 2 - 4.0.97 (2 of 2) CD, then press ENTER.



Note: This process takes approximately 5 minutes to complete. Upon completion the system will reboot.

After reboot the Console login appears.:

```
AIX Version 4
(c) Copyrights by IBM and others 1982, 1996
Console login:
```

3. Remove the Brisque Product 1 - 4.0.97 (2 of 2) CD.

4. Eject the Installation Diskette. The Brisque software is now loaded and ready for login or configuration.



Important: Load any required Brisque software updates, according to your software version. Refer to the Creo TIC for more information about the required updates.

3.3.4 Installing Additional Software (Asian and Japanese Fonts)

This procedure is described in *Installing Additional Software (Asian and Japanese Fonts)* on page 137.

Proceed with configuring the Brisque after a Cold Start described in the next section.

3.4 Configuring Brisque with Saved Configuration

This section describes how to configure the Brisque after performing a Cold Start installation without upgrading from an earlier version to a later version. The configuration procedure consists of the following steps:

- Restoring the configuration files from a data volume after a Cold Start installation
- Setting up the modem
- Setting the filesystem size
- Restoring the Fonts Library.



Important: You can restore configuration files from a data volume only if you have first saved the configuration files to a data volume, as described in *Saving the Configuration Files to a Data Volume* on page 105.

3.4.1 Restoring Configuration Files from Data Volume



Important: Do not perform this procedure if you performed a Cold Start installation from an earlier version to a later version.

To restore the configuration files from a data volume:

1. Log in as **root**. The Networking S/W Products Installer & Setup window appears.

```
*  this release of the AIX Operating System.                                  *
*                                                                             *
*                                                                             *
*******************************************************************************
Last unsuccessful login: Mon Apr  7 23:17:49 USADT 1997 on /dev/pts/1 from dolem
Last login: Sun Jun 22 17:54:37 USADT 1997 on /dev/pts/0 from dolev8.stil.scitem

# cd /usr/local/es
# install.p

        Networking S/W Products Installer & Setup V2.2
        ----------------------------------------------

        1)      Easy Install (Date & TCP/IP & EtherShare)
        2)      TCP/IP Install & Setup
        3)      EtherShare Install & Setup
        4)      Start EtherShare
        5)      Stop EtherShare now
        6)      Display Zones
        7)      Display Network
        8)      Open AIX shell
        9)      Quit

* Option (1-9)  ? [1]
```

2. Type `9` then press ENTER to exit from the window.
3. At the command prompt, type `scismit` then press ENTER.

4. From the SciSmit main menu, select **Backup and Restore -> Save and Restore Configuration to Data Volume -> Restore Configuration from Data Volume** and press ENTER.
5. Press F4 and select **ALL** Brisque Setups, then press ENTER.
6. Press ENTER then press ENTER again in response to the confirmation window. The Command Status window appears, displaying an **OK** status for a successful restore operation.
7. Select F10 to exit SciSmit.

3.4.2 Setting the Filesystem Size



Important: Perform this procedure only if the filesystems' size is noted before the Cold Start (see *Noting the Filesystem Size* on page 103) is:

- /markers - bigger than 104MB.
- /psfonts - bigger than 120MB.

To set the /psfonts and /markers filesystem size:

1. From the SciSmit main menu, select **Devices -> File Systems -> Increase File System**.
2. To increase the filesystem size, type the values you noted before the Cold Start installation (see *To note the filesystem size:* on page 103).

3.4.3 Setting Up the Modem



Note: Ensure that the modem is properly connected (COM2), then power on the Modem and the Brisque (Power up the Brisque, refer to *Chapter 1, Hardware Installation*, *Powering Up the Brisque* on page 23).

To Configure the Modem:

1. At the Console login, type `root` and your password (default **ripro**), then press ENTER.
2. At the command prompt, type:

```
# cd /scitex/version/utils/modem
# new_inst_modem com2
```



Note: This script automatically installs and enables the modem.

3.4.4 Restoring the Fonts Library

To restore the fonts library:

1. From the Brisque Launch Pad, double-click the **Fonts** icon to open the Font Handling window.
2. Click the **All** button to select all the fonts.
3. Click the **Restore** button to open the Font Management window.
4. Browse to the **psfonts** directory (this directory should be located under the /dataVolumes/hostname 1.0).
5. Click **OK**. The Restore window displays a list of all fonts.
6. Click the **All** button to select all the fonts.
7. Click **OK** then click **Exit** in the Font Handling window.

3.5 Configuring Brisque After a Cold Start without the Saved Configuration

This section describes how to configure the Brisque after a Cold Start installation, without restoring configuration from the data volumes. The configuration procedure consists of the following steps:

- Restoring passwords from the Password Backup Diskette
- Networking installation and setup using the Easy Install method.

3.5.1 Restoring Passwords from the Password Backup Diskette

To restore passwords from the Password Backup Diskette:

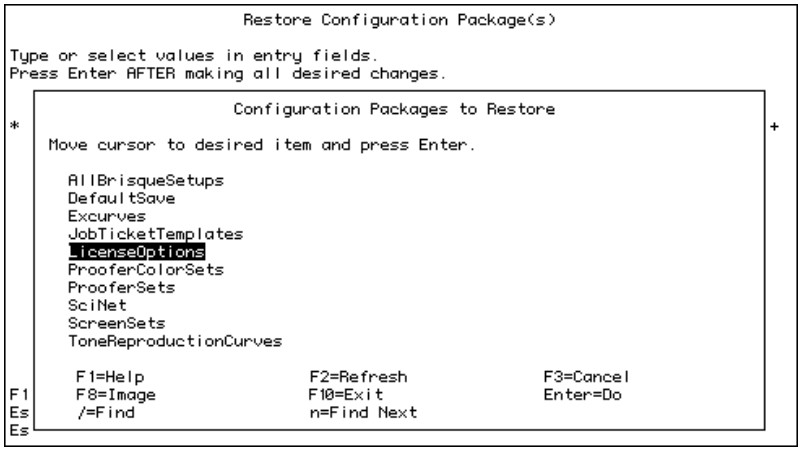
1. At the Console login, type `root` and your password (default `ripro`). The Networking S/W Products Installer & Setup window appears.
2. Type `9` then press ENTER to exit from the window.
3. Insert the Password Backup Diskette into the diskette drive.



Note: This operation restores the Creo password, the Helios activation key, and the NatFX and TransferPro (DIT) licenses (passwords).
For all Cold Start operations or when configuring the Brisque for the first time, the passwords must be restored (enabled).

4. At the command prompt, type `scismit` then press ENTER.
5. From the SciSmit main menu, select **Backup and Restore -> Manual Backup and Restore -> Configuration Backup and Restore -> Restore Configuration from Diskette** then press ENTER.

The Restore Configuration Package(s) window appears.



6. Select the **Configuration Package to Restore** option and press F4. A list of options appears in the Configuration Packages to Restore popup window.
7. Select **LicenseOptions** from the list and press ENTER. The confirmation window appears.
8. Press ENTER to complete the operation. The Command Status window appears, displaying an **OK** status for a successful restore operation.
9. Select F10 to exit SciSmit.
10. Remove the Password Backup Diskette from the diskette drive.

3.5.2 Networking Installation and Setup Using Easy Install

This section describes how to manually set up the network using the Easy Install method and contains the following procedures:

- Accessing the Installer Menu
- Configuring the Date/Time
- TCP/IP Installation and Setup
- EtherShare Installation and Setup
- Configuring TCP/IP for a Remote Station (Host Table)
- Verifying TCP/IP Installation.

To access the Installer Menu:

1. At the command prompt, type `cd /usr/local/es` and press ENTER.
2. Type `install.p` and press ENTER. The Networking S/W Products Installer & Setup window appears.

```
*  this release of the AIX Operating System.                                  *
*                                                                             *
*                                                                             *
*******************************************************************************
Last unsuccessful login: Mon Apr  7 23:17:49 USADT 1997 on /dev/pts/1 from dolem
Last login: Sun Jun 22 17:54:37 USADT 1997 on /dev/pts/0 from dolev8.stil.scitem

# cd /usr/local/es
# install.p

        Networking S/W Products Installer & Setup V2.2
        ----------------------------------------------

        1)      Easy Install (Date & TCP/IP & EtherShare)
        2)      TCP/IP Install & Setup
        3)      EtherShare Install & Setup
        4)      Start EtherShare
        5)      Stop EtherShare now
        6)      Display Zones
        7)      Display Network
        8)      Open AIX shell
        9)      Quit

* Option (1-9)  ? [1]
```

To configure the Date/Time:

1. Access the **Installer** menu, (as described earlier).
2. Type `1` to select the **Easy Install** (Date & TCP/IP & EtherShare) option and press ENTER.
3. At the **Current Date/Time** option, type `y` and press ENTER. The Use Daylight Savings Time? window appears.

```
* Option (1-9)  ? [1] 1

Current Date/Time:  Mon Jun 23 08:40:12 USADT 1997

* Do you want to change Date/Time (y/n)  ? [y] y

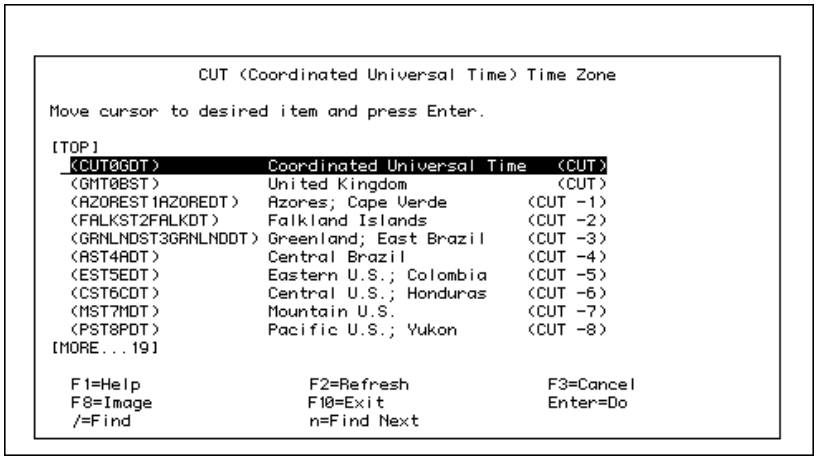
                    Use DAYLIGHT SAVINGS TIME?

Move cursor to desired item and press Enter.

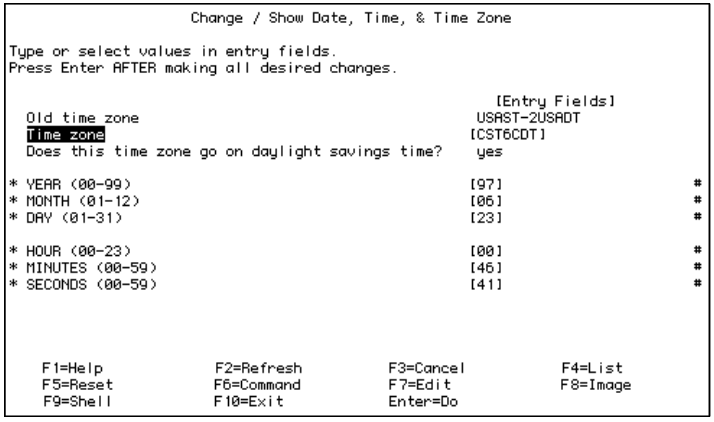
  # Does this time zone go on
  # DAYLIGHT SAVINGS TIME?
  #
  1 yes
  2 no

  F1=Help                 F2=Refresh              F3=Cancel
  F8=Image                F10=Exit                Enter=Do
  /=Find                  n=Find Next
```

4. Select the **DAYLIGHT SAVINGS TIME? (1 yes/ 2 no)** option, in accordance with the rest of the computers (including Mac and PC) on the network, and press ENTER. The CUT (Coordinated Universal Time) Time Zone window appears.



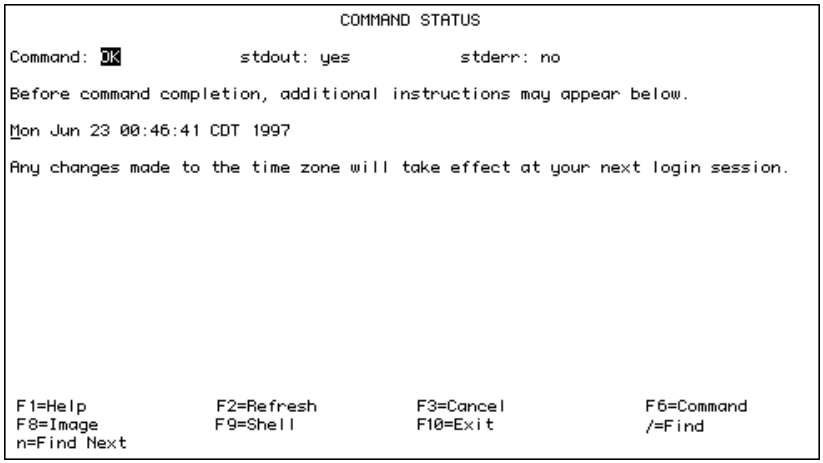
5. Select the appropriate time zone and press ENTER. The Change/Show Date, Time & Time Zone window appears.



6. If the default values in the various boxes are correct, press ENTER to complete the operation.

7. If some values need to be changed, change each value accordingly and press ENTER to complete the operation.

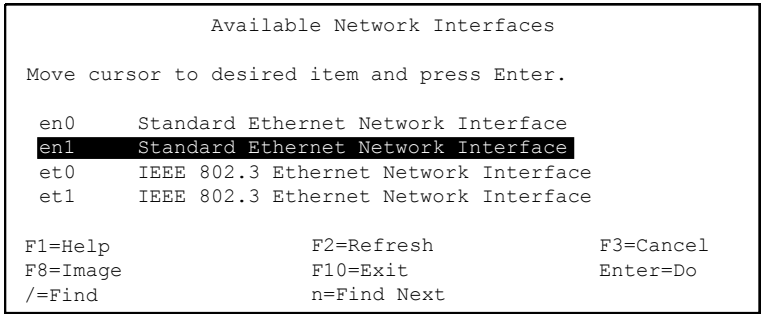
The Command Status window appears, displaying an **OK** status for a successful operation, and the changes will be reflected at the next login session.



8. Press F3 to return to the Installer menu.

To install and setup TCP/IP:

1. Access the Network Installer, see *To access the Installer Menu:* on page 122.
2. Type `[2] TCP/IP Install & Setup` and press ENTER: The TCP/IP screen appears, with Minimum Configuration & Startup highlighted.
3. Press ENTER to produce the Available Network Interfaces list. The following screen appears.



Note: The Brisque model comes with two communication ports - en0 and en1. You must configure the en1 port for network configuration (en0 can be used for Lotem connectivity).
If there are other UNIX systems on-site, the Network Administrator will issue the appropriate IP addresses.
Remove any existing local IP addresses, see *To remove a Host:* on page 134.

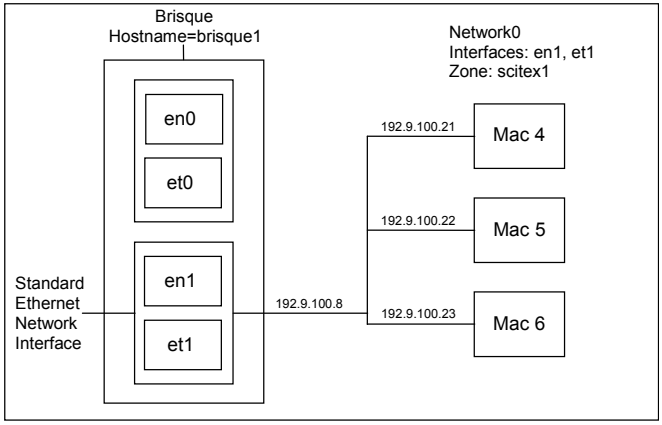


Figure 15: en1 port Network Configuration

4. Press ENTER (the en1 Standard Ethernet Network Interface is already highlighted) and use the Minimum Configuration & Startup screen to enter the configuration values.

   The Minimum Configuration & Startup window appears.

```
                    Minimum Configuration & Startup

To Delete exiting configuration data, please use Further Configuration menus.

Type or select values in entry fields.
Press Enter AFTER making all desired changes.

                                                      [Entry Fields]
* HOSTNAME                                           [brisque]
* Internet ADDRESS (dotted decimal)                  [149.115.74.72]
  Network MASK (dotted decimal)                      [255.255.254.0]
  Netword INTERFACE                                  en1
  NAMESERVER
       Internet ADDRESS (dotted decimal)             []
       DOMAIN Name                                   []
  Default GATEWAY Adress                             []
  (dotted decimal or symbolic name)
  Your CABLE Type                                     N/A
  START Now                                           no


F1=Help           F2=Refresh        F3=Cancel         F4=List
Esc+5=Reset       Esc+6=Command     Esc+7=Edit        F8=Image
Esc+9=Shell       Esc+0=Exit        Enter=Do
```

From the network example, the hostname appears as brisque1, this name was decided during the Station Configuration.

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: IP Address, Network Mask, and Default Gateway Address.
Refer to *Chapter A, Creo IP Address Structure Recommendations*, *Recommendations* on page 142, if you are using Creo Network IP numbering.

5. Determine the configuration values as follows:

HOSTNAME

The local Hostname is set at the default name (brisque1) at the production line.

- To change the Hostname refer to **SciSmit -> Configure Station -> Change Station Name.**

Note: Do not change the station name from this window.

Internet ADDRESS

Determine the Internet Address of the local station.

Network MASK	An empty **Network Mask** box 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 displays the interface being configured, for example, en1.
Your CABLE Type	This 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**.

6. After the changes have been made, press ENTER. The COMMAND STATUS window displays **OK** for a successful configuration.
7. Press F3 to return to the Installer menu.

EtherShare Installation and Setup

This section describes how to set up and install EtherShare, which consists of the following procedures:

- Installing EtherShare
- Entering an EtherShare Base License
- Creating a Demo User
- Configuring the Apple Talk Network Numbers.

To install and Setup EtherShare:

1. Access the **Installer** menu (as described on *To access the Installer Menu:* on page 122).
2. Type 3 to select the **EtherShare Install & Setup** option and press ENTER. The EtherShare Installation Menu appears.

```
        EtherShare Installation Menu
        ----------------------------

        The machine ID (host ID) of this computer is "00198169-68"

        1)      Install programs and configuration files
        2)      Install and configure AppleTalk kernel modules
        3)      Enter activation key to license EtherShare
        4)      Create a demo user
        5)      Configure AppleTalk network numbers
        6)      Quit

* Your choice ? [1]
```

3. Type `1` to select the **Install programs and configuration files** option and press ENTER to initiate the automatic processes.
4. Type `2` to select the **Install and configure AppleTalk kernel modules** option and press ENTER to initiate the automatic processes.

5. Type 3 to select the **Enter activation key to license EtherShare** option and press ENTER. The EtherShare License Menu appears.

```
        EtherShare License Menu
        -----------------------

        The machine ID (host ID) of this computer is "00198169-68"

        1)      Enter an EtherShare base license
        2)      Enter a user expansion license
        3)      Display licenses
        4)      Delete a license
        5)      Return to main menu

* Your choice ? [2]
```

6. Proceed to the next procedure to enter a base license.

To enter an EtherShare Base License:

1. From the EtherShare License Menu, type 3 to select the **Display Licenses** option and press Enter. The old activation key is displayed.
2. Type the serial number.
3. Select 4 and delete the existing license (if it exists).
4. Type 1 to select the **Enter an EtherShare base license** option and press ENTER. The following window appears. (This window is only an example, as base licenses do not have an expiration date).

```
* Your choice ? [2] 1
* Software serial number (8 digits, q to quit) ? [] 12345678
If you have a full license, leave the next field blank.
* Expiration date (eg. 1-Oct-1991, q to quit) ? [] 1-12-94
* Number of users (one or more decimal digits, q to quit) ? [20]                -
* Checksum (eg. abcd-defg-hjkl-mnop, q to quit) ? [] etbf-fqeq-edhw-euac

License is valid and has been entered into the license data base.
```

5. Type the following license parameters:
   - software serial number
   - number of users (the number in brackets is the default, but you can enter up to 20 users). Note that the Brisque is supplied with base licenses for only six (6) users.
   - checksum.

   The following message appears.:

```
The license is valid....
```

6. Type `5` to select the **Return to main menu** option and press ENTER. You are returned to the EtherShare Installation Menu.

To create a Demo User:

1. From the **EtherShare Installation** Menu (shown on page 127), type `4` to select the **Create a Demo User** option and press ENTER. The following window appears.

```
* Your choice ? [1] 4
* Ok to add a demo user named "macuser" and a demo group "macusers" ? [y]
```

2. Type `y` then press ENTER to confirm the creation of a demo user named **macuser**. You are automatically returned to the EtherShare Installation menu.

AppleTalk Network Numbers



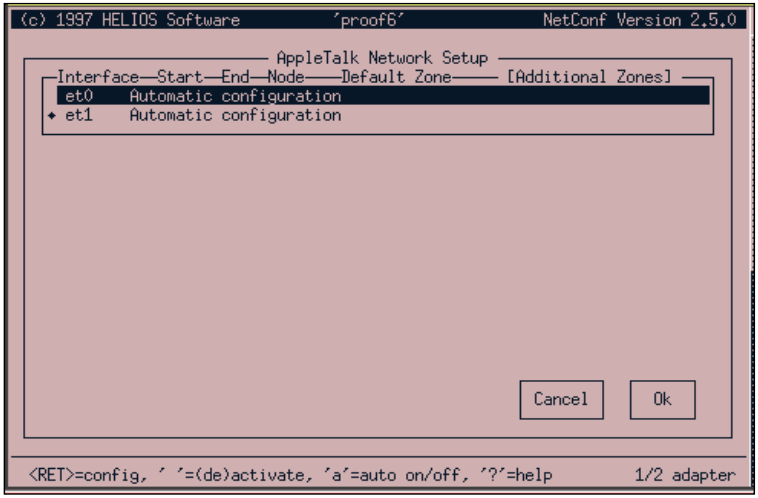
Note: It is recommended to use the Brisque as a non-seed router device and to use the **auto configuration** option in the Netconf program (used to be if=et1 in the **atalk.conf** file in the previous EtherShare version).



Important: At the end of this procedure, the Helios program will prompt you to reboot the station. Check with the local system manager to receive permission to reboot the Brisque.

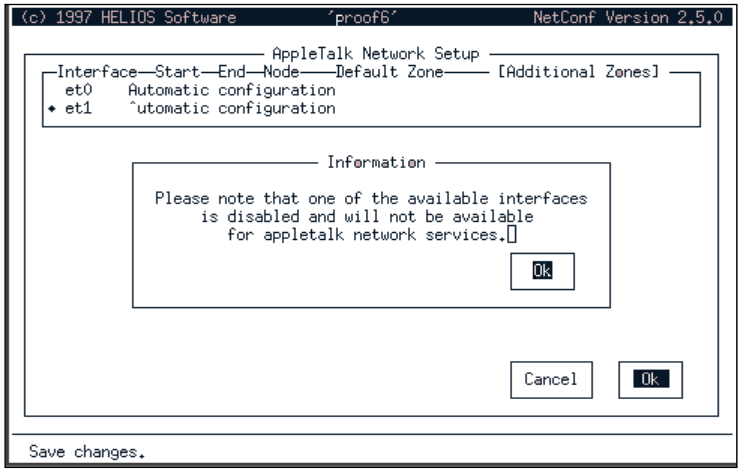
To configure the AppleTalk network numbers for the Brisque F-50):

1. From the EtherShare Installation Menu (shown on page 127), type 5 to select the **Configure AppleTalk network numbers** option and press ENTER. The NetConf window appears.
2. Use the arrow keys to select **Configure Adapter**, then press ENTER. The AppleTalk Network Setup window appears.



3. Use the arrow keys to select **et0**, then press SPACE to remove the plus sign (+) (deactivates et0).
4. Use the arrow keys to select **et1**. (If adapter et1 is already in Automatic configuration, proceed to Step 6.)
5. Change the **et1** adapter to Auto configuration by pressing the A key.
6. Use the TAB key to select **OK**, then press ENTER.

7. The following window appears.



8. Select **OK** and press ENTER twice to quit the NetConf program.

9. Type 6 and press ENTER to exit from the EtherShare Installation Menu. The following message appears.

```
Do you want to reboot now?
```

10. Type y. The following message appears.

```
Minutes till shutdown [0]
```

11. Press ENTER. The station reboots, and the new EtherShare starts automatically.

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.

To access the Hosts Table:

➢ At the command prompt, type `smit hosts` and press ENTER to reach the Hosts Table window directly.

to add a Host:

1. From the Hosts Table window, select the **Add a Host** option and press ENTER. The Add a HostName window appears.
2. Select the **Internet Address** box and type the required IP Address (consult the System Administrator, if necessary).
3. Select the **Hostname** box and type 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 press ENTER to verify that the new host was added.
7. Press F3 to return to the Hosts Table window.

To validate the Hostname List:



Note: By default, the network Creo IP address is written to the hostname list. 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 hostnames and IP addresses from the list, as described in *Removing a Host* on this page.

1. From the Hosts Table window, select the **List All Hosts** option and 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.

To remove a Host:

1. From the Hosts Table window, select the **Remove a Host** option and press ENTER. The Remove a Host window appears, displaying the highlighted **Hostname** or **Internet Address** box.
2. Press F4 to display the **Hosts** list.
3. Select the host that you want to delete and press ENTER. The confirmation 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 press ENTER to verify that the host was deleted from the list.
7. Press F10 to exit SMIT.

To verify TCP/IP installation:

- At the command prompt, type `ping` and the station name. You should receive a continuous reply with TCP/IP details.



Note: Try pinging the station itself (for example, ping brisque1) as well as any remote stations, if available.

3.6 Loading Full Software Version

This option allows to install the new Brisque Product Version.

To load a full software version:

1. Exit the Brisque application.
2. Insert the CD# 3, Product CD into the CD-ROM drive and press ENTER.
3. From the **SciSmit** main menu, select **Software Handling -> Loading Full Software Version**.
4. Press F4 to display the list of options.
5. Press ENTER to start the operation. The Command Status window displays an **OK** status upon completion.
6. Select F10 to exit SciSmit.
7. Remove the CD# 3, Product CD from the drive.
8. Reboot the Brisque and log in as **cdesci**.

3.7 Update Software Packages

This option is used to install updates on top of the Brisque Product Version.



Note: All names of update software packages begin with Upd.

To update the Brisque software package:

1. Insert the Update Product CD in the CD-ROM drive and press ENTER.
2. From the **SciSmit** main menu, select **Software Handling -> Update Software Packages**.
3. Press F4 to display the list of options.
4. Select the desired update and press ENTER to start the operation. The Command Status window displays an **OK** status upon completion.
5. Select F10 to exit SciSmit.
6. Remove the Update Product CD from the CD-ROM drive.
7. Reboot the Brisque and log in as **cdesci**.

3.8 Installing Additional Software (Asian and Japanese Fonts)

This option is used to install additional software packages (Asian and Japanese fonts), including the following:

- Asian Installer
- Composite Fonts
- Composite Fonts CID
- Kanji Fonts
- Kanji Font CID.

To install additional software:

1. Insert the CD#4, Additional Product CD into the CD-ROM drive and press ENTER.
2. From the **SciSmit** main menu, select **Software Handling -> Additional Software Installation**.
3. Press F4 to display the list of options.
4. Select the desired fonts and press ENTER to start the operation. The Command Status window displays an **OK** status upon completion.
5. Select F10 to exit SciSmit.
6. Remove the CD#4, Additional Product CD.
7. Reboot the Brisque and log in as **cdesci**.

3.9 Reconstructing the Passwords

Each station is shipped with permanent passwords for the Creo application, TransferPro, Ethershare, and so on. as well as a Password Backup Diskette.

These passwords can also be reconstructed when the diskette is not available such as in the case of a system crash.

To reconstruct the passwords:

1. At the Console Login, type `root` and your password (default **ripro**).
2. At the command prompt, type `uname -a` and press ENTER. Your machine ID number (12 digits) appears.
3. Contact your local Creo Service Center and relay your machine ID in order to receive your password (only the 8 digits in the middle, for example, 00XXXXXXXX00) and a new Password Backup Diskette.
4. When you have received your passwords, install the necessary applications such as EtherShare and TransferPro.

A

Creo IP Address Structure Recommendations

Recommendations 140

A.10 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 subnets, and each subnet 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.

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