



Chapter 4

Data Configuration Setting

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4.1 Data Connectivity

Install the Lotem 400 Quantum application on the PC controller **before** installing the Lotem on the Brisque. Verify that both the Brisque and the Lotem 400 Quantum are powered off.

The Lotem to Brisque connectivity consists of a cable connection for data transfer and a TCP/IP Link for communication between the Lotem and the Brisque.

- To connect the Brisque To a Lotem 400 Quantum, run the Data cable with connectors to the two TSP boards on the Brisque to the Lotem 400 Quantum at the TMCE board.

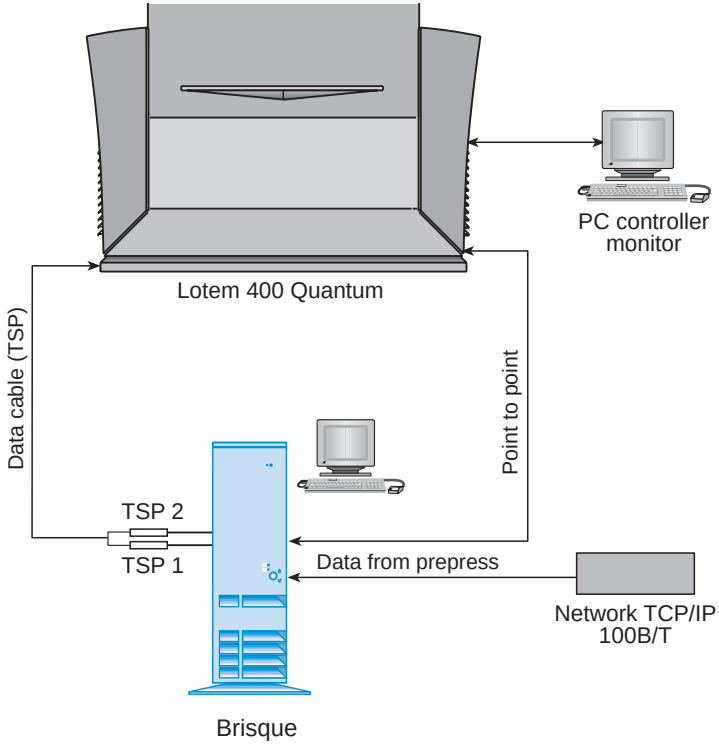


Figure 16. Connecting Tsp Cables

4.2 Connecting the Brisque to a Lotem

This section describes how to connect the Brisque to a Lotem, which consists of the following procedures:

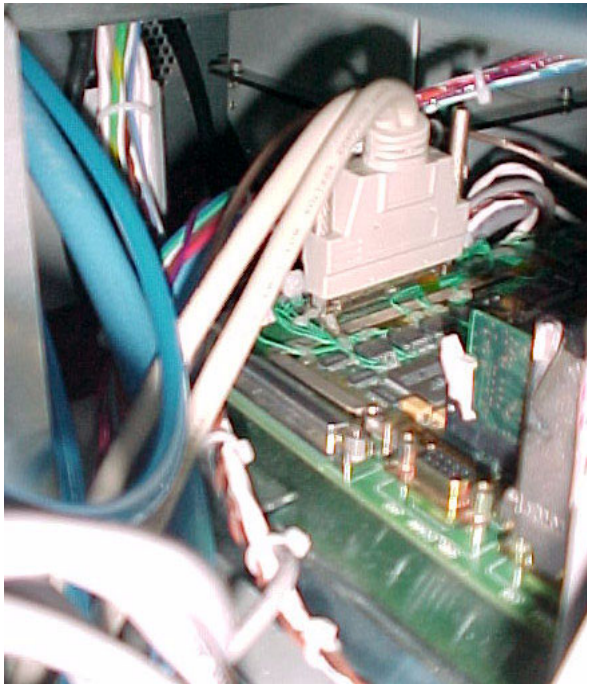
- Connecting the Brisque via a TSP Data Cable Link (Data Connectivity)
- Setting Up TCP/IP Connectivity
- Verifying the TSP Board Installation
- Verifying the Connection Between the Brisque and the Lotem

4.2.1 Using TSP Data Cable Link (Data Connectivity)

To connect the TSP data cable (199D20024) link between the Brisque and a Lotem:

1. Connect the cable marked TSP2 to the Upper TSP Board on the Brisque. (See Figure on page 110).
2. Connect the TSP 1 connector to the Lower board on the Brisque.
3. Connect the other end of the TSP cable to connector J44 on the TMCE board.

The SCSI connection is covered with a protective label.



TSP connector on TMCE board (p/n J-44)

4.2.2 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

Connecting 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.



The PC controller and the Brisque must have individual IP addresses.

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. Disconnect the power cord.
3. Power off all peripheral devices.
4. Remove expansion slot cover from slot # 8.
5. Lock the board in place with the screw from the slot cover.
6. Connect the cross cable from the Ethernet board in slot # 2 [16].

Defining the IP Address on the Lotem PC Controller

To define the IP address on the Lotem PC Controller:

The Lotem PC Controller should already be booted up with the Windows 95 startup screen displayed.

1. Power on the Lotem.
2. In Windows NT, 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 and then double-click **TCP/IP Protocol** to open the TCP/IP Properties window.
5. Type in the IP Address (e.g. 192.9.100.2) and the Subnet (e.g. 255.255.255.0) for the Lotem PC Controller and then click **OK** twice.
6. Launch the application by double-clicking the Lotem application icon.
7. Verify that the system executes the startup sequence.

Defining the IP Address on the Brisque

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. In the Internal Address box type in the IP address of the interface board (e.g. 192.9.100.1).
4. In the **Network Mask** box type in the address of the Subnet Mask (e.g. 255.255.255.0).
5. Switch the **Current Status** box to **Up** and then press **Enter**; an OK status now appears
6. 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

1. Verify that the Brisque is connected to the network via the Fast Ethernet board in slot#2 [2].
2. Connect the Lotem PC Controller E-Box network port to the communication network switching hub (refer to figure below).

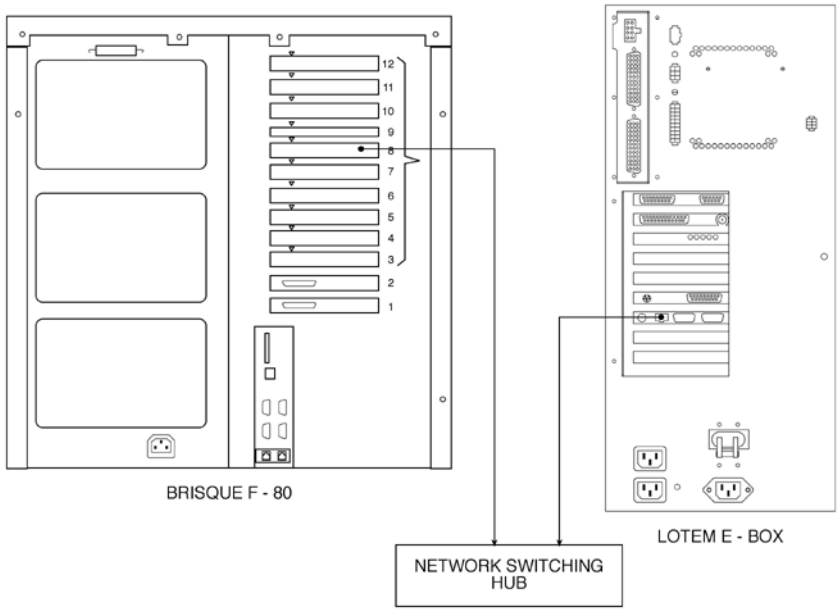


Figure 17. Brisque/Lotem Network Connections

4.3 Accessing the Output Device Configuration

To access the Output Device Configuration:

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

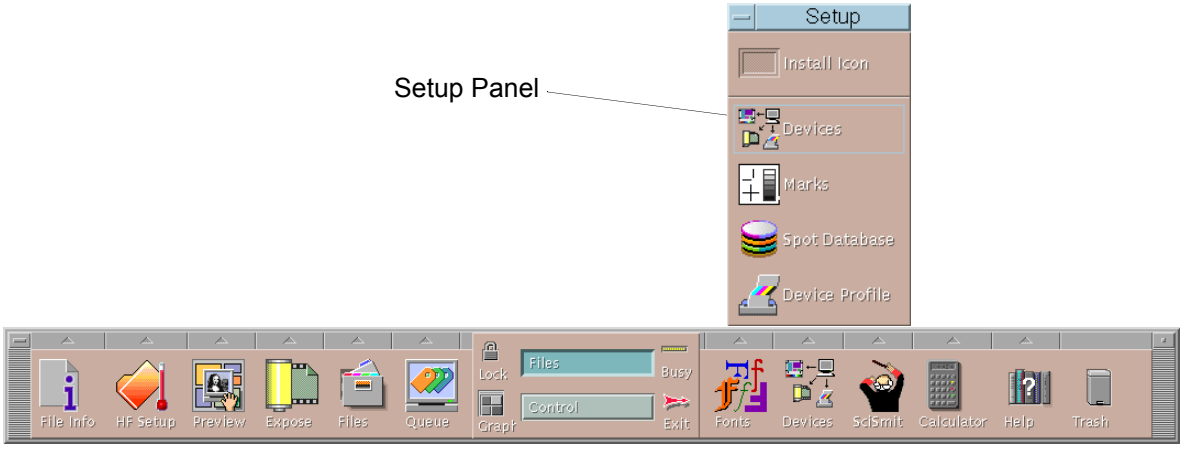


Figure 18. Brisque Launch Pad with Setup panel open

2. Double click the **Devices** icon; the Output Devices Handling window is displayed.

4.3.1 The Output Device Handling 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 reconfigured periodically.

All the device groups, device families and device configurations are displayed in this window, as well as the various operations relevant to each of the selected configurations. The device specific operations and the general operations relevant to all output devices are accessed via the available operation buttons in the Operations section. In this case, only the Lotem 400 Quantum can be configured.

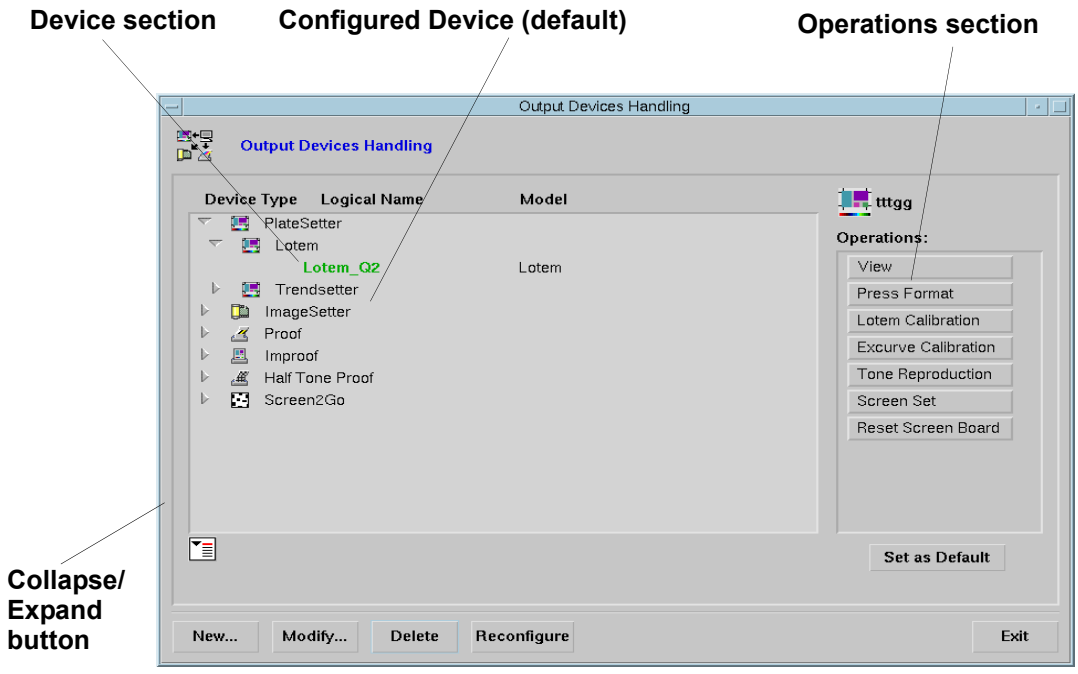


Figure 19. Output Devices Handling window

Item	Description
Device section	The section is comprised of three columns: **Device Type -** Displays the Device Groups such as Platesetter, Imagesetter, Proofer, Imposition Proofer and Halftone Proofer. In this case it would be a Platesetter. The list of Device Families appears under each group such as Lotem and Trendsetter for the Platesetter group, Lotem Spectrum, Trendsetter Spectrum and Kodak for the halftone Proofer group, and so on. Each level is locally expandable or collapsible, using the triangular button on the left. **Logical Name -** This column displays the name of a specific configuration. When highlighted, relevant operations are enabled (in the Operations section). **Model -** This column displays the physical device name.
Expand or Collapse icon	Click to expand or collapse the entire list of devices to show or hide all details.
New...	Click to open the New Device Wizard and start 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.

Item	Description
Reconfigure	Reestablishes the connection to the selected device. Click **Reconfigure** to reconnect the device (Online mode); a message confirms the connection or warns of the failure to connect. When a device is configured the data is read and registered in the Brisque database. Disconnection of the device, or failure of a component is not logged in the Brisque, and no mechanism is currently available to warn of the device disconnection. We recommend that you reconfigure the device before every use.
Operations section	Operations related to the output devices are invoked from here. Operations are enabled when a particular configuration is selected. Some operations are connection-specific, others are applicable to all output devices.
Set as Default	Not relevant.
Exit	Exit the Output Devices Configuration window.

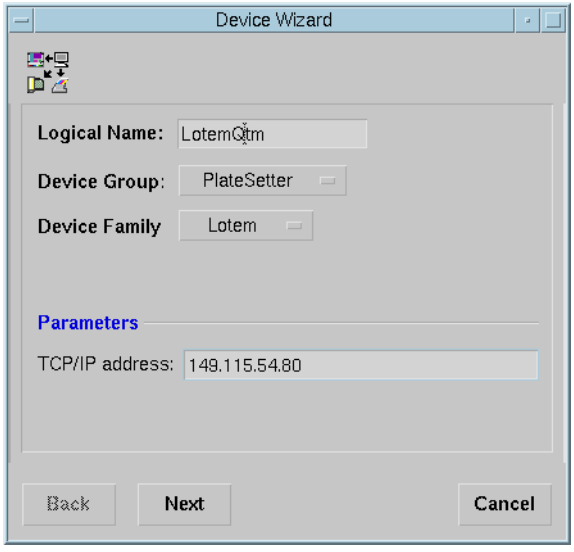
4.4 Configuring the Lotem 400 Quantum Platesetter

To check if a Lotem 400 Quantum platesetter is configured:

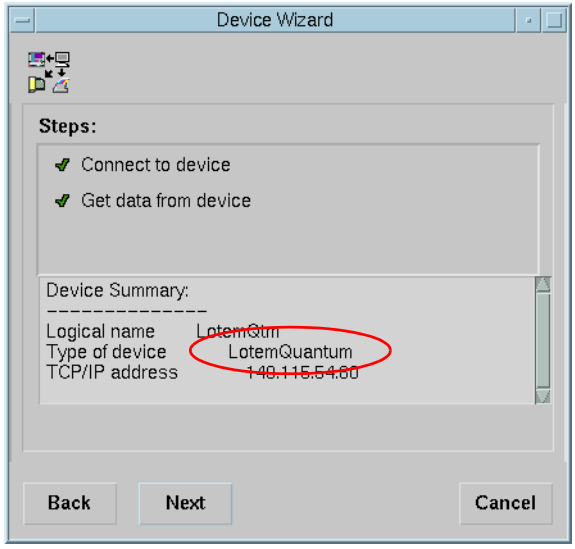
1. In the Output Devices Handling window, click the arrow left of the **Platesetter** icon.
2. Click the arrow left of the **Lotem** icon. If a Lotem is configured, the connection to the Brisque is displayed under the **Lotem** icon; the name is in **green** if it is the default platesetter.

To configure a new Lotem 400 Quantum platesetter:

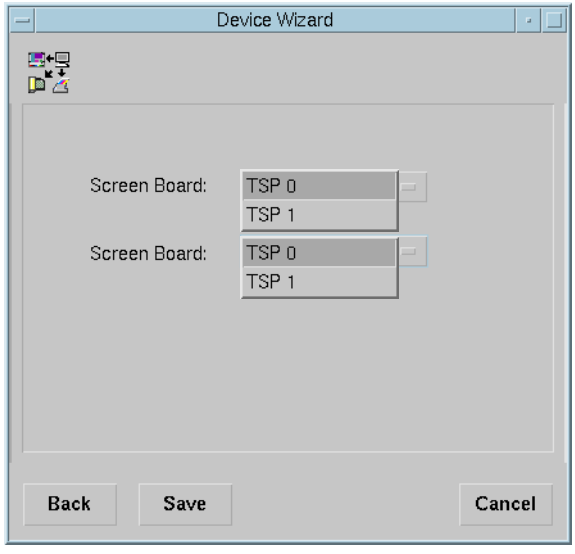
1. In the Output Devices Handling window, click **New...**; the following window is displayed.



2. In the **Logic Name** box, type a logical name.
3. From the **Device Group** list box select **Platesetter**; the **Device Family** list box is labeled Lotem.
4. In the **TCP/IP address** box, type the device address (for example: 149.115.54.80).
5. Click **Next**; a device summary is displayed. Now the Device Type is identified as LotemQuantum.



6. Click **Next**; the following window is displayed.

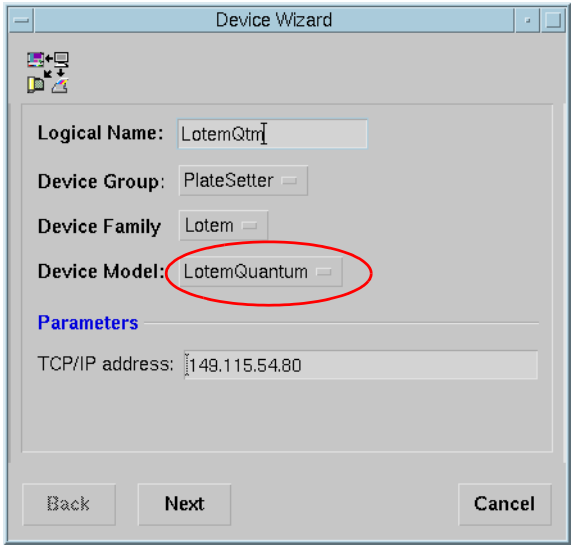


7. Select **TSP0** for the first and **TSP1** for the second (default) and click Save, to save the configuration. If the connection was successful, a confirming message is displayed for a few seconds. The Lotem Quantum connection is displayed in the Output Devices Handling window, under the **Lotem** icon.

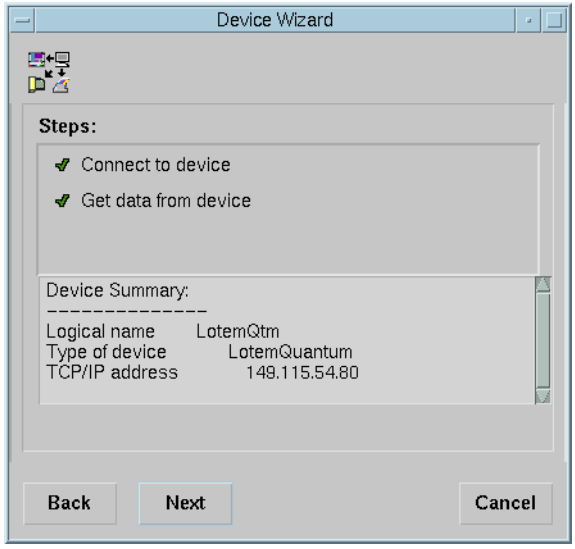
When a TSP board becomes problematic, the user can configure the device with a single TSP board, which dramatically reduces the productivity, and therefore is not recommended.

To modify the Lotem Quantum platesetter parameters:

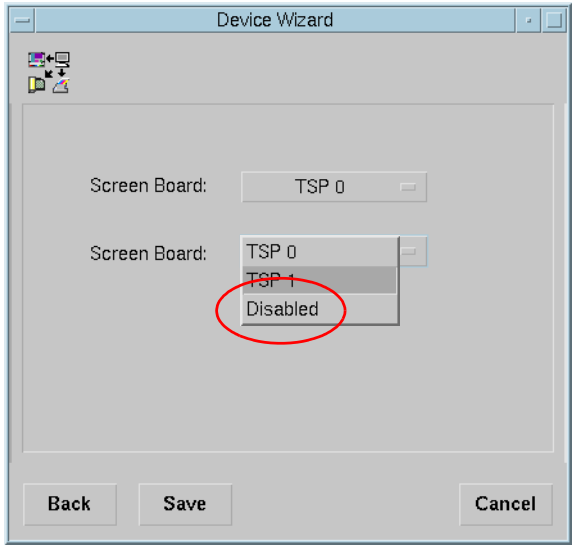
1. From the Output Devices Handling window, select the **Lotem platesetter** configuration and click **Modify...**; the following window is displayed. The Device Model name LotemQuantum is returned from the connected device.



2. Change the **TCP/IP address** as required.
3. Click **Next**; the following window is displayed.



4. Click **Next**; the following window is displayed. You may now select **Disabled** from the **Screen Board** list box, if you wish to operate with a single board.



5. Click **Save**, to save the configuration. If the update was successful, a confirmation message is displayed for a few seconds. The modified connection is displayed in the Output Devices Handling window, under the **Lotem** icon.

To delete the Lotem Quantum platesetter configuration:

1. From the Output Devices Handling window, select the appropriate **Lotem** configuration, then click **Delete**; the delete confirmation is displayed.
2. Click **Yes** in the confirmation dialog to delete; the configuration is removed from the Output Devices Handling window.

To Reconfigure the Lotem Quantum platesetter:



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

1. From the Output Devices Handling window, select the **Lotem** configuration.
2. Click **Reconfigure**. The Brisque reads the data from the device and confirms the connection. It displays a confirmation dialog for a few seconds, if the device has been reconnected. Otherwise, a failure message is displayed.