

### I/O Labels and Rack Mounting

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1a Install port labels 1-16 on all I/O slots to simplify cabling and database configuration.

1b Mount the router in the rack frame by means of four rack screws fastened through the front mounting ears.

**CAUTION:** Adequate ventilation within a rack frame must be maintained. Ensure side to side ventilation is not compromised. Refer to the *Ultrix Installation Guide* for more information.

### 1GbE Network Cabling

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#### LAN or Network 1GbE Connections

2a Plug an Ethernet cable from your network into the **ENET 1** port. This is the primary network connection for the router.

2b Plug an Ethernet cable from your network into the **ENET 2** port. This is the backup network connection for the router. (optional)

**Note:** The router must be connected to the same network as the other devices in your routing system.

### Reference Cabling

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3a Connect a 75ohm coaxial cable with HD-BNC connectors between the video reference signal output and the **REF A** connector on the router.

3b Connect a 75ohm coaxial cable with HD-BNC connectors to the next device in the system **or** terminate, using an 75ohm HD-BNC terminator, if end of reference link.

### Source Cabling

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#### Source Device Cabling

4a Connect a 75ohm coaxial cable with HD-BNC connectors between the source device and the input connector on the rear panel of the router.

4b Ensure the bayonet connector is locked in place correctly.

### Destination Cabling

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#### Destination Device Cabling

5a Connect a 75ohm coaxial cable with HD-BNC connectors between the destination device and the output connector on the rear panel of the router.

5b Ensure the bayonet connector is locked in place correctly.

### Power Cabling

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6a Connect the female end of the power cable to any of the power sockets. In the case of a 2RU router, a minimum of two power supplies are required.

6b Connect the other end of the power cable to the power supply unit.

6c Connect the power supply to a suitable AC mains supply.

**NOTICE:** The Ultrix router automatically powers on when AC power is applied.

### Redundant Power Cabling

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#### Redundant Power Cabling

7a Connect any additional power supply units to any available power sockets.

7b Repeat for each redundant power supply you wish to install for the router.

7c Connect the cables from the power supplies to a suitable AC mains supply.

### Setting the IP Address

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8a Launch DashBoard on your PC desktop.

8b Select **File > Show Walkabout**.

8c Click **Refresh**.

8d Locate the Ultrix in the **Walkabout** table.

8e Use the **Address** field to specify the IP address. The default is 192.168.20.140. *Note: Ultrix does not support Unicode characters.*

8f Click **Reboot**.

8g Refer to the *Ultrix User Guide* for additional steps.

Read the user documentation for your Ultrixpower and Ultrix router before starting work or operating equipment.

**CAUTION:** Risk of electrical shock. Enclosure shall be connected to earth ground via protective earth stud and 18AWG conductor or larger.

**NOTICE:** The Ultrix frame does not have a power switch. When using an Ultrixpower, ensure that the Ultrixpower is not connected to mains power before connecting the power cables from the Ultrixpower to the other components. If the Ultrixpower is energized as you connect the power cables to the Ultrix frame, the system could start to power up before it has enough power to operate and could damage the equipment.

