

Read the user documentation for your Ultripower and ULTRIX-FR5 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-FR5 frame does not have a power switch. Ensure that the Ultripower is not connected to mains power before connecting the power cables from the Ultripower to the other components. If the Ultripower is energized as you connect the power cables to the ULTRIX-FR5, the system could start to power up before it has enough power to operate and could damage the equipment.

### I/O Labels and Rack Mounting

- 1a Install port labels 1-16 on all I/O slots to simplify cabling and port identification.
- 1b Mount the router in the rack frame by means of eight 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

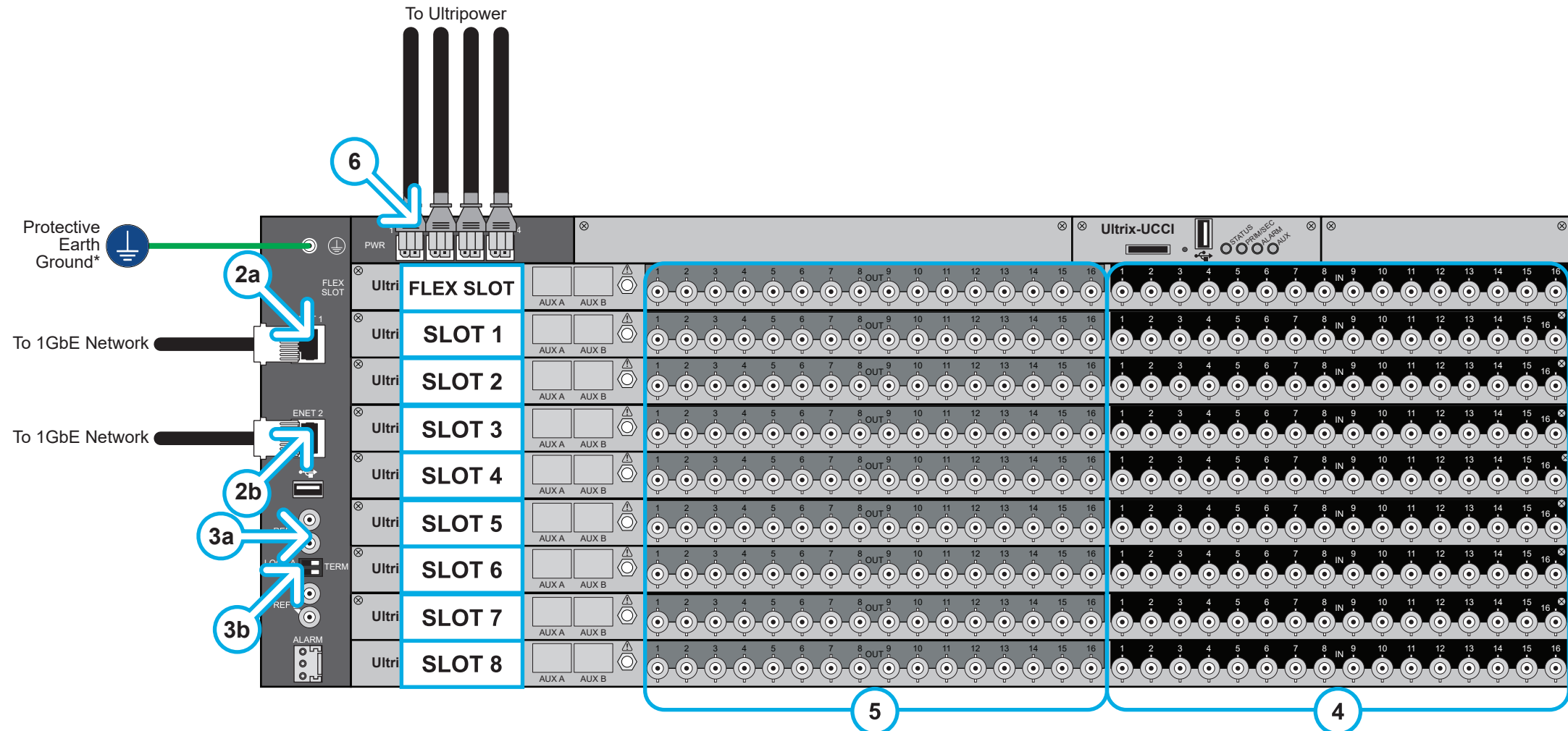
#### LAN or Network 1GbE Connections

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

- 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)

### Reference Cabling

- 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, set the LOOP DIP SWITCH to TERM if end of reference link.



**\* Note:** The protective earth stud may not be present on all hardware.

### Source Cabling

#### 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

#### 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.

### Ultripower Cabling

#### Ultripower Cabling

- 6a With Ultripower disconnected from the AC supply, connect 4 power cables from ULTRIX-FR5 to the 4 matching power connectors on the Ultripower chassis.
- 6b Connect the power supply to a suitable AC mains supply.

**NOTICE:** The Ultripower and ULTRIX-FR5 automatically power on when AC power is applied.

### Setting the IP Address

- 7a Launch DashBoard on your PC desktop.
- 7b Select **File > Show Walkabout**.
- 7c Click **Refresh**.
- 7d Locate the Ultrix in the **Walkabout** table.
- 7e Use the **Address** field to specify the IP address. The default is 192.168.20.140. *Note: Ultrix does not support Unicode characters.*
- 7f Click **Reboot**.
- 7g Refer to the *Ultrix User Guide* for additional steps.