Ultrix

Installing the ULTRIX-NS-FR5

CAUTION

Before you set up and operate your router, refer to the "Important Regulatory and Safety Notices to Service Personnel" document that was included with your router. It is also recommended to refer to the *Ultrix Installation Guide* which is available from our website.

Read the user documentation for your Ultripower and ULTRIX-NS-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-NS-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-NS-FR5, the system could start to power up before it has enough power to operate and could damage the equipment.

Maximum Input Power Consumption

Power	2400W max.
Current	160A
Voltage	15V

For the latest power numbers for your configuration, refer to the Ross Configuration Tool on our website.

To Ultripower

6

Protective Earth Ground

To 1GbE Network

To 1GbE Network

2a
2b
3a
3b

Ultrix-UCCI

STATUS / PRIM/SEC / ALARM / AUX

FLEX SLOT
SLOT 1
SLOT 2
SLOT 3
SLOT 4
SLOT 5
SLOT 6
SLOT 7
SLOT 8

OUT / IN

AUX A   AUX B   1   2   3   4   5   6   7   8   9   10   11   12   13   14   15   16

1 — 2 — 100G — 3 — 4

5
4

Rack Mounting

1

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.*
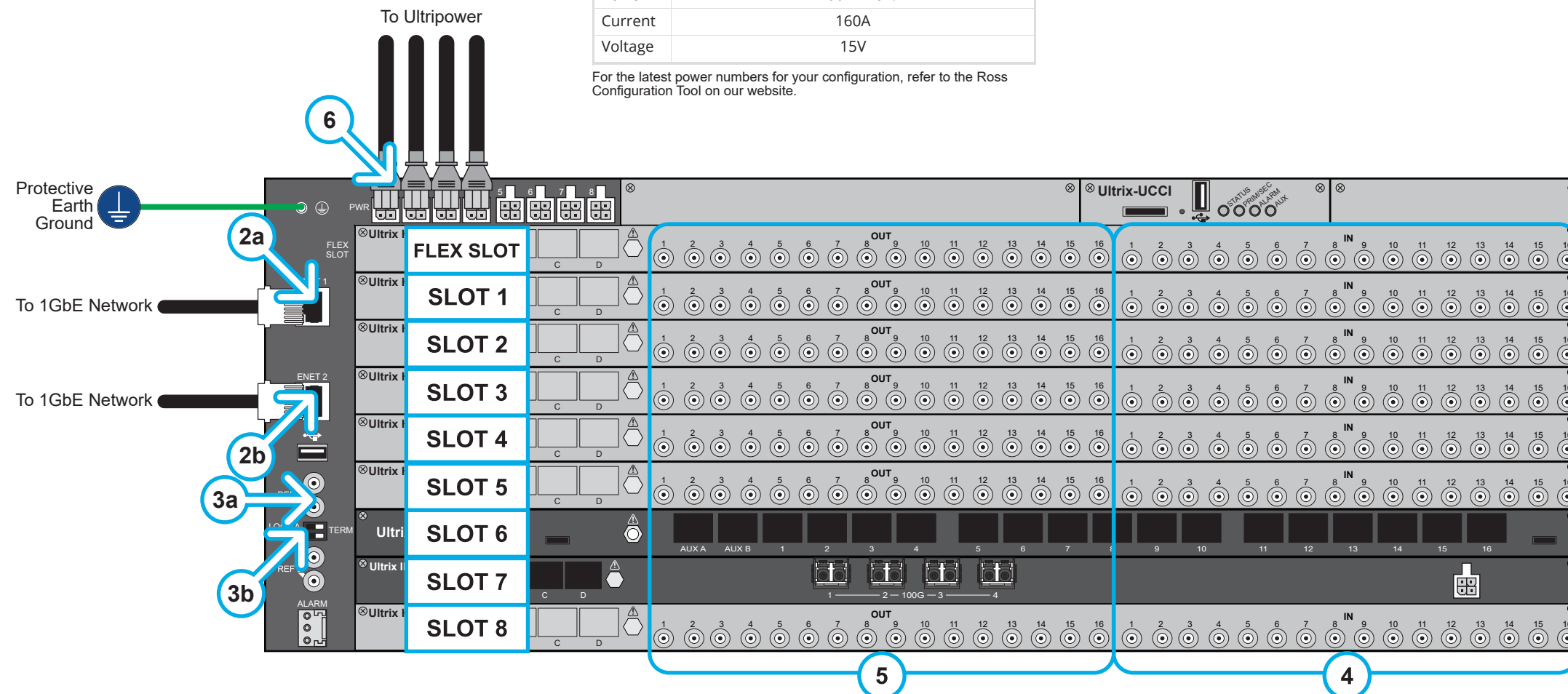
LAN or Network 1GbE Cabling

2

Note: The ULTRIX-NS-FR5 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

3

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.

Source Cabling

4

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

5

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

6

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

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

6b Cable additional Ultripower connections for high powered systems.

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

Setting the IP Address

7

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.

Have a question? Call our free, 24-hour technical support hotline to speak with a live product specialist located right here in our facility.

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