UltriCore

Installing and Cabling the Ultricore Panel

⚠️ **CAUTION**

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

Rack Mounting

1

Rack Mount

Unpack and use the supplied Rack Mount Kit to mount your Ultricore panel in a 19" wide EIA equipment rack.

*Note: The supplied Rack Mount Kit **MUST** be used to mount your Ultricore Panel in a 19" EIA equipment rack to avoid damaging the Ultricore panel.*

Network Cabling

2

LAN or Network Connections

2a Plug an Ethernet cable from your network into **ETHERNET PORT 1**. This is the primary network connection for the Ultricore.

2b If required, plug an Ethernet cable from your network into **ETHERNET PORT 2**. This is the backup network connection for the Ultircore.

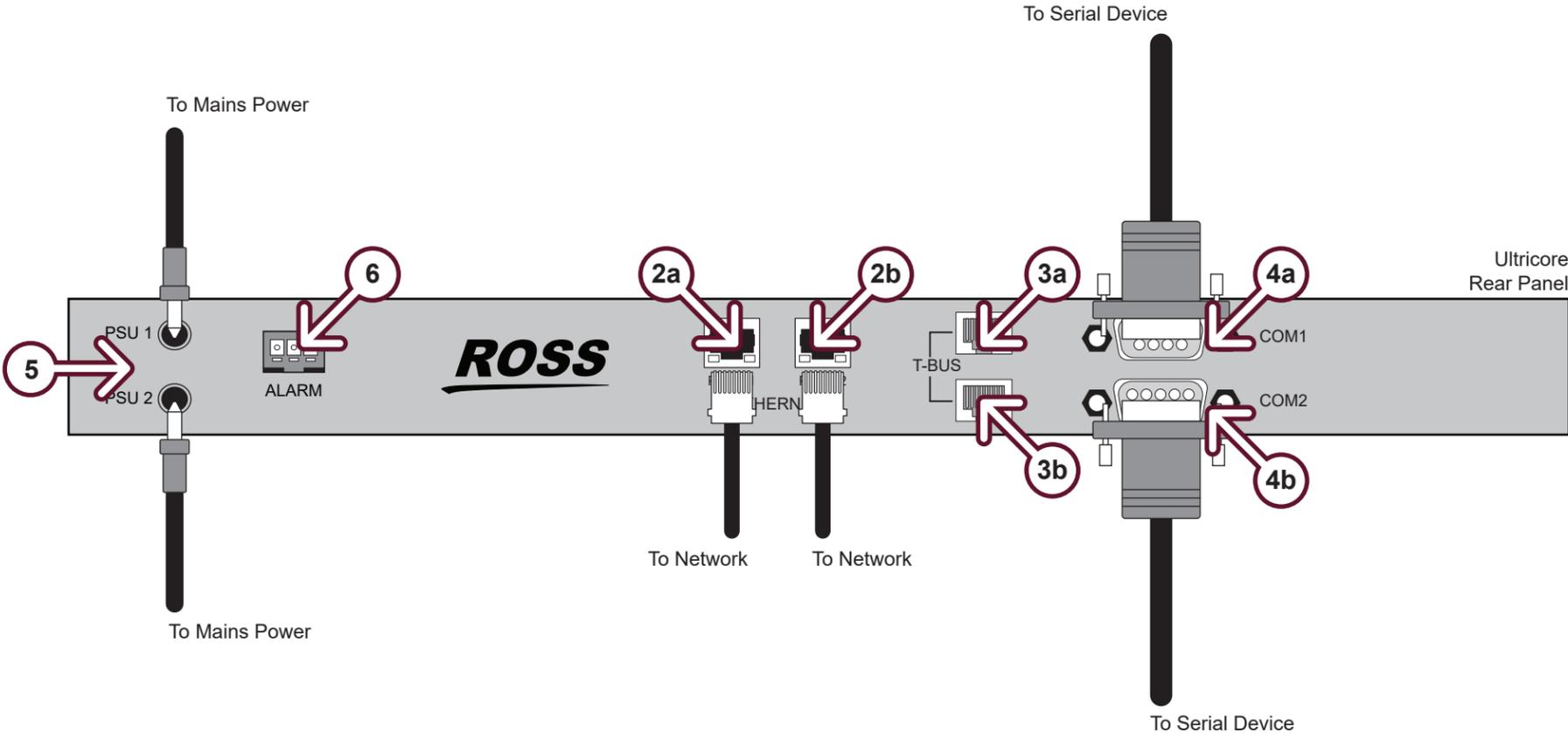*Note: The Ultricore must be connected to the same network as your routing system.*

T-Bus Cabling

3

T-Bus Cabling (if required)

3a Connect a Ross NK series device to one T-Bus port of the Ultricore panel.

3b Connect a Ross NK series device to the second T-Bus port on the Ultricore panel.

Note: Passive loop-through connectors.

To Serial Device

To Mains Power

6 **2a** **2b** **3a** **4a**

Ultricore Rear Panel

PSU 1

PSU 2 ALARM

5 HERN T-BUS COM1

COM2

3b **4b**

To Network   To Network

To Mains Power

To Serial Device

Serial COM Cabling

4

Serial Cabling (if required)

4a Connect one end of an RS-232 or RS-422 cable to **COM1**, and the other end to the serial device the Ultricore will communicate with.

4b Connect one end of an RS-232 or RS-422 cable to **COM2**, and the other end to the second serial device the Ultricore will communicate with.

Power Cabling

5

Power

Connect an **Ultricore power supply** to one (or both) **PSU Port** on the Ultricore panel and then to Mains Power.

Note: The Ultricore panel powers on automatically when the power supply is plugged in.

System Alarm Setup

6

Configure the ALARM GPIOs

Contact closure alarm where closed is a system fault, and open is the system running correctly without errors.

3 2 1

ALARM

GPO ALARM Pinouts	
PIN 1	Ground
PIN 2	Alarm Output
PIN 3	+5VDC 22mA max.

Setting the IP Address

7

7a Launch DashBoard on your PC desktop.

7b Select **File > Show Walkabout**.

7c Click **Refresh**.

7d Locate the Ultricore in the **Walkabout** table.

7e Use the **Address** field to specify the IP address. The default is 192.168.20.150. *Note: Ultricore does not support Unicode characters.*

7f Click **Reboot**.

7g Refer to the *Ultricore User Guide* for additional steps.

ROSS