NRG

Installing the NRG-FR3

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 *NRG User Guide* which is available from our website.

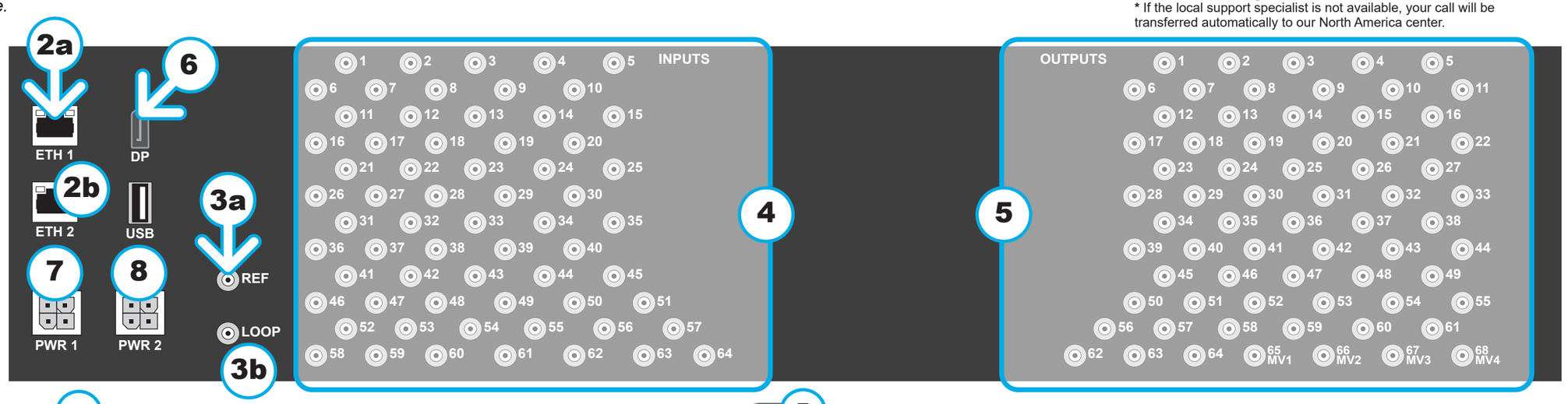
WARNING *The power supply connector of the NRG-FR3 power supply module must be fully inserted into the NRG-FR3 PWR port and the locking collar fully secured before use. Failure to do so may damage the PWR port on the NRG-FR3 chassis.*

CAUTION *Ensure to connect the DC Power cord of the power supply to the PWR port on the NRG-FR3 chassis before connecting the power supply to the power source.*

Read the user documentation for your NRG-FR3 router before starting work or operating equipment.

Have a question?

Toll Free Technical Support (North America): +1 833-859-0499
Toll Free Technical Support (EMEA): +800 3540 3545*
Technical Support (North America): +1 613-686-1557
Technical Support (Australia/Sydney): 1300 007 677*
E-mail: techsupport@rossvideo.com
* If the local support specialist is not available, your call will be transferred automatically to our North America center.



Rack Mounting

1 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* ***NRG Installation Guide*** *for more information.*

1GbE Network Cabling

2 **LAN or Network 1GbE Connections**

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

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

Note: *The NRG-FR3 must be connected to the same network as the other devices in your routing system.*

Reference Cabling

3

3a Connect a 75ohm coaxial cable with HD-BNC connectors between the video reference signal output and the top **REF** port on the NRG-FR3.

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

Source Cabling

4

4a Connect a 75ohm coaxial cable with HD-BNC connectors between a source device and an **INPUT** connector on the back panel of the NRG-FR3.

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

4c Repeat for additional source devices.

Destintation Cabling

5

5a Connect a 75ohm coaxial cable with HD-BNC connectors between a destination device and an **OUTPUT** connector on the back panel of the NRG-FR3.

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

5c Repeat for each additional destination device.

DisplayPort Cabling (optional)

6

Connect a cable to the **DP** port that supports DisplayPort v1.2A.

If a reference is not connected to the NRG-FR3, the Multiviewer Head output on the **DP** port outputs 1080p 59.94Hz (NTSC) or 1080p 50Hz (PAL) by default. To connect the **DP** port to a 1080p 60Hz monitor, a reference must be first connected to the NRG-FR3 (see step 3).

For **DP** port monitoring, ensure the monitor supports the routed format. DashBoard provides user DP override for select formats. Refer to the ***NRG Installation Guide*** for more information.

Power Cabling

7

7a Connect the female end of the power cable to the **PWR 1** socket.

7b Connect the other end of the power cable to the power supply unit.

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

NOTICE: *The NRG-FR3 does not have a power switch.The NRG-FR3 automatically powers on when AC power is applied.*

Maximum Input Power Consumption			
NRG-FR3	122.6W max.	8.17A	15V

Redundant Power Cabling

8

8a Connect the female end of a second power cable to the **PWR 2** socket.

8b Connect the cable from the second power supply to a suitable AC mains supply.

8c Connect the power supply to a suitable AC mains supply.

Setting the IP Address

9

9a Launch DashBoard on your PC desktop.

9b Select **File** > **Show Walkabout**.

9c Click **Refresh**.

9d Locate the NRG in the **Walkabout** table.

9e Use the **Address** field to specify the IP address. The default is 192.168.20.141. *Note: The NRG-FR3 does not support Unicode characters.*

9f Click **Reboot**.

9g Refer to the ***NRG User Guide*** for additional steps.

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