

Installing the Robotics Server

1 Rack Mount the Robotics Server

Unpack the Robotics Server and use the supplied Rack Mount Kit to mount it in a standard 19" wide by 24" deep EIA equipment rack (not shown).

IMPORTANT: Use the supplied Rack Mount Kit to avoid damaging the Robotics Server.

2 Connect Power

Connect AC power cords to each of the two AC ports on back of the Robotics Server, and then to separate power supply circuits.

The Robotics Server internal power supply units are auto-sensing and can use 110 VAC or 220 VAC.

Peripheral Cabling

3 Connect Keyboard, Mouse, Monitor

- Plug the keyboard into any USB port on the back of the Robotics Server.
- Plug the mouse into any USB port on the back of the Robotics Server.
- Connect the video monitor to a VGA port on the back of the Robotics Server.

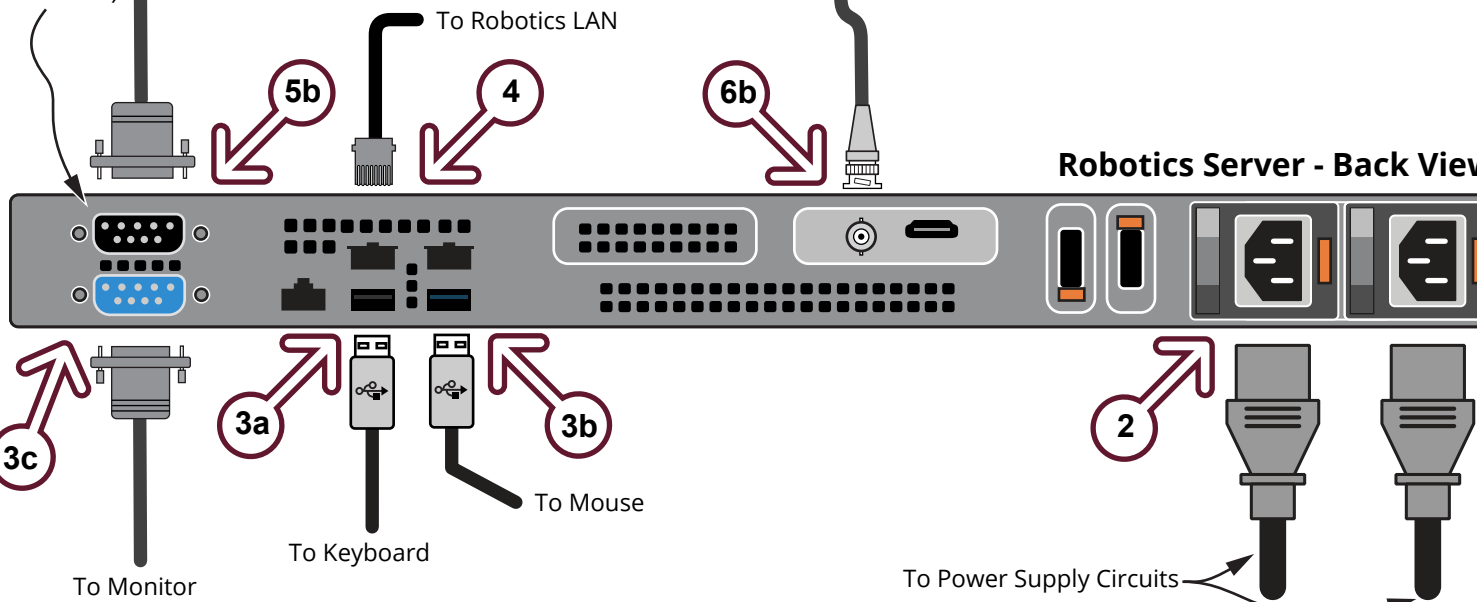
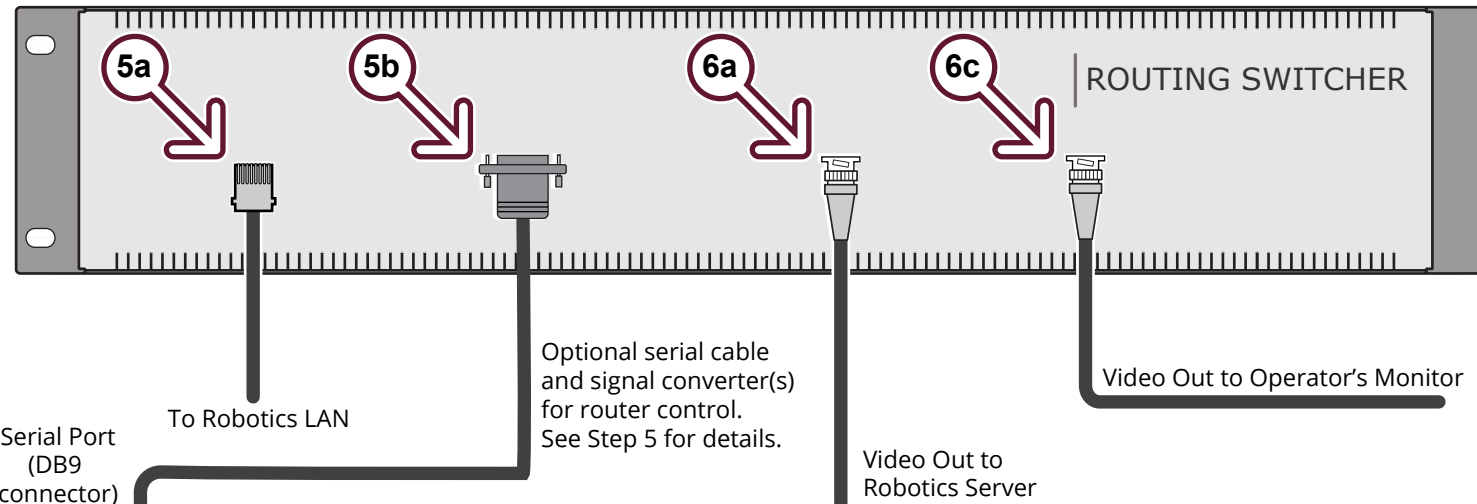
Note: As an alternative to using a keyboard, mouse, and monitor connected directly to the Robotics Server, you can access the server through Windows Remote Desktop. See the Windows Help system for more information.

4 Network Cabling

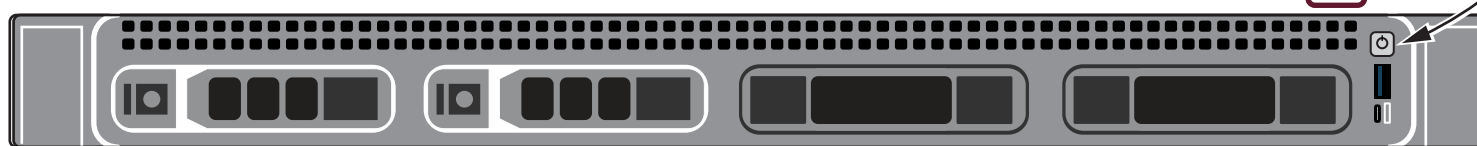
Plug an Ethernet cable from the Robotics LAN into the left NIC port on the back of the Robotics Server.

On that port, the default static IP address is 192.168.0.40, netmask 255.255.255.0.

Video Router (not supplied)



Robotics Server - Front View



Video Router and Video Cabling

5 Video Router Control

- If the video router is capable of communicating with the Robotics Server over IP, connect the video router to the Robotics LAN, and then go to Step 6.
- If the video router must communicate over a serial connection, connect it to the RS232 serial port on the back of the Robotics Server in one of the following ways:

- If the video router can communicate over RS422, use an RS232 to RS422 converter positioned close to the robotics server. RS422 is preferable compared to RS232.
- If the video router cannot communicate over RS422, connect it to the RS232 serial port.

The RS232 protocol has significant cable length limitations. Unless the video router and the Robotics Server are close together, we recommend using two RS232 to RS422 converters to extend the range of the router control signal.

Note: Converters are not supplied by Ross Video.

Note: The serial port on the Robotics Server has a male DB9 connector.

6 Video Signals

- On the video router, connect one end of a video cable to a video output that is configured to deliver the video signal selected by SmartShell.
- On the back of the Robotics Server, connect the other end of the video cable to the SDI Video Input BNC connector on the video capture card.

Note: Position of the correct BNC connector may vary. Connect the video cable to the BNC connector **closest to the data connector**.
- Connect one end of a video cable to a video router output that is configured to deliver the video signal selected by SmartShell. Connect the other end to an input on the operator's video monitor (not shown, and not supplied by Ross Video).

Startup

7 Power Up

Press the power button on the front of the Robotics Server.

Note: If you want to shut down the Robotics Server, do so from the Windows operating system instead of pushing the power button.

8 Start Up and Log On

The Robotics Server software is configured to start automatically after power up. Login credentials for the default user account on the Robotics Server computer are as follows:

User name: RossVideo **Password:** password

Need Help?
Technical Support: (+1) 613 • 652 • 4886
Email: techsupport@rossvideo.com



CAUTION

Before you set up and operate your Robotics Server, see the Dell safety instructions booklet included in the box.