Cabling Your BlackStorm Four Channel Server

**Rack Mounting**

1. **Rack Mount**
   - Unpack and use the supplied Rack Mount Kit to mount your BlackStorm Server in a 19" wide by 30" deep EIA equipment rack. The supplied Rack Mount Kit MUST be used to mount your BlackStorm Server in a 19" x 30" EIA equipment rack to avoid damaging the BlackStorm Server.

2. **Power**
   - Connect an AC Power Cord to each AC Port on the BlackStorm Server and then to Mains Power.
   - The BlackStorm Server power supplies are auto-sensing and can use either 110 VAC or 220 VAC. BlackStorm Servers are equipped with two power supplies in a redundant configuration. Only one power supply is required to run the BlackStorm Server.

**Power Button**

**USB Connectors**

**Optical Drive**

**Diagnostic Panel**

**Network & Reference Cabling**

**Monitoring & Video Cabling**

3. **Keyboard and Mouse**
   - 3a Plug the supplied Keyboard into the left USB port on the back of the BlackStorm Server.
   - 3b Plug the supplied Mouse into the right USB port on the back of the BlackStorm Server.

4. **Monitor**
   - Connect a Monitor (customer supplied) to the VGA port of the BlackStorm Server.
   - Note: KVM extenders (customer supplied) are required when the BlackStorm Server monitor, keyboard, and mouse are located remotely from the rack room.

5. **Local Area Network**
   - Plug an Ethernet cable from your Local Area Network into one of the GigE Ethernet ports on the back of the BlackStorm Server.
   - Note: The BlackStorm Server must be connected to the same network as the computers that you will install the BlackStorm Server Client software.

6. **Reference**
   - Use the supplied 1.0/2.3-to-BNC pigtail adapters to connect your house reference GenLock signal to the REF IN BNC connector.
   - The BlackStorm Server accepts analog black burst or tri-level sync as reference inputs. This connection is required to lock the BlackStorm Server to the video-timing of your facility. Tri-level sync is recommended for progressive and HD formats.

7. **Video Output**
   - Use the supplied 1.0/2.3-to-BNC pigtail adapters to connect your Video Output cables to the BNC connectors.
   - Channel 1 SDI 1
   - Channel 2 SDI 2
   - Channel 3 SDI 3
   - Channel 4 SDI 4

Before you set up and operate your BlackStorm Server, see the Dell Safety instructions booklet in the box.

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

CAUTION

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Linear Timecode & Remote Control

Breakout Cable
Connect the Breakout cable to the breakout port on the server.

Linear Timecode (LTC)
a) Connect your LTC input cable for channel 1 to the LTC 1 In BNC on the Breakout cable.
b) Connect your LTC input cable for channel 2 to the LTC 2 In BNC on the Breakout cable.
c) Connect your channel 1 LTC output cable to the LTC 1 Out BNC on the Breakout cable.
d) Connect your channel 2 LTC output cable to the LTC 2 Out BNC on the Breakout cable.
The BlackStorm Server accepts a 75 Ω unbalanced LTC signal for house timecode.

Remote Control
Connect RS-422 control cables to the connectors on the Breakout cable labelled RS422 Channel 1 or RS422 Channel 2.

Power Up
Press the Power button on the front of the BlackStorm Server.
The BlackStorm Server startup process includes drive initialization, which takes a few minutes to complete.

Note: Ross Video recommends shutting down BlackStorm Servers from the Windows operating system.

Log On
Use the following account information to log on to the BlackStorm Server:
User name: Blackstorm
Password: Blackstorm
After you log on, the Video Server application automatically launches to enable clients to connect to the BlackStorm Server.

DashBoard
Ross Video DashBoard software is used to configure and control your BlackStorm Server. DashBoard is pre-installed on every BlackStorm Server. To start DashBoard, double-click the Dashboard icon on the BlackStorm Server desktop.

Remote Computers
DashBoard can be installed on other computers (customer supplied) to remotely configure and access the BlackStorm Server. For more information, refer to the “Client Software Installation” chapter in the BlackStorm User Guide on the server desktop or the DVD ROM.

Server Configuration
Congratulations on cabling your BlackStorm Server.
The Configuration Client is used to configure the server for your environment. For more information, refer to the “Server Configuration” chapter in the BlackStorm User Guide on the server desktop or the DVD ROM.

Windows Log On Screen

The DashBoard software is designed to run on remote client computers and connect to the BlackStorm Server through a Local Area Network.

BlackStorm Server Network Topology