

Rack Mounting

1 Rack Mount

Unpack and mount your BlackStorm Server Breakout Panel at the back of a 19" wide equipment rack above or below the BlackStorm Server.

Video Out & Reference

2 2 Channel Video Output

- Fasten the small connector of a 1.0/2.3-to-BNC adapter cable to the **OUT 1** Mini-Din on the server. Fasten the large connector of the adapter cable to the rear of the **VIDEO 1** BNC connector on the Breakout Panel.
- Fasten the small connector of an adapter cable to the **OUT 2** Mini-Din on the server. Fasten the large connector of the adapter cable to the rear of the **VIDEO 2** BNC connector on the Breakout Panel.

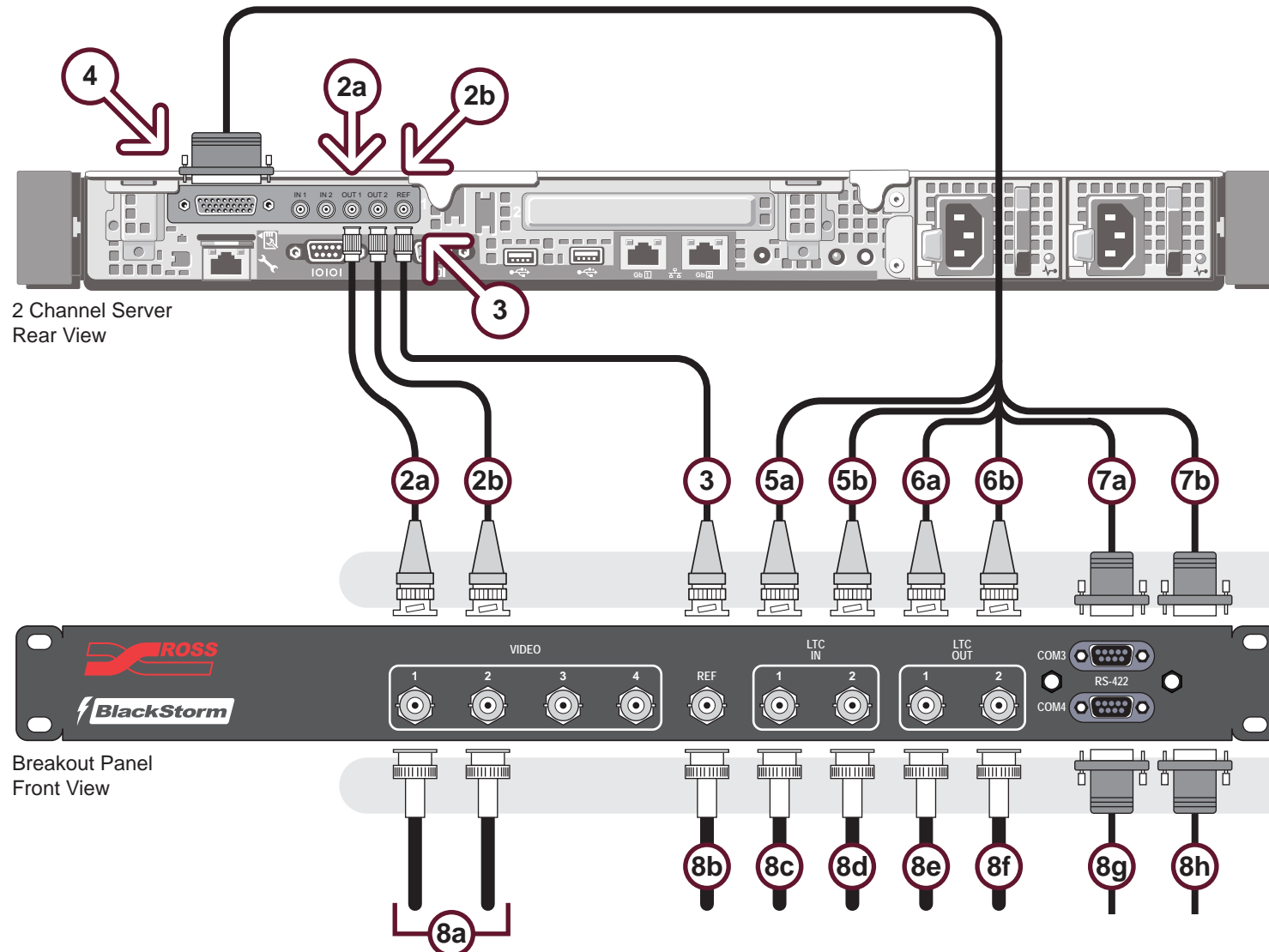
For information about cabling your breakout panel to a 4 channel BlackStorm Server, refer to the reverse side of this page.

3 Reference

Fasten the small connector of a 1.0/2.3-to-BNC adapter cable to the **REF** Mini-Din on the server. Fasten the large connector of the adapter cable to the rear of the **REF** BNC connector on the Breakout Panel.

? Need Help?

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



Time Code & Remote

4 Breakout Cable

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

5 Linear Time Code (LTC) In

- From the **Breakout** cable, fasten the **LTC 1 IN** BNC to the rear of the **LTC IN 1** BNC connector on the Breakout Panel.
- From the **Breakout** cable, fasten the **LTC 2 IN** BNC to the rear of the **LTC IN 2** BNC connector on the Breakout Panel.

6 Linear Time Code (LTC) Out

- From the **Breakout** cable, fasten the **LTC 1 OUT** BNC to the rear of the **LTC OUT 1** BNC connector on the Breakout Panel.
- From the **Breakout** cable, fasten the **LTC 2 OUT** BNC to the rear of the **LTC OUT 2** BNC connector on the Breakout Panel.

7 Remote Control

- From the **Breakout** cable, fasten the **RS-422 No. 1** plug to the rear of the **COM3** DB9 port on the Breakout Panel.
- From the **Breakout** cable, fasten the **RS-422 No. 2** plug to the rear of the **COM4** DB9 port on the Breakout Panel.

Breakout Panel DB9 Female Connector	
Pin Number	Signal
1	Ground
2	RxD-
3	TxD+
4	Ground
5	Not Connected
6	Ground
7	RxD-
8	TxD-
9	Ground

Bulkhead Connections

8 Front Connectors

- Connect your **Video Output** cables to the **VIDEO** BNC connectors on the Breakout Panel as follows:
Channel 1 → VIDEO 1
Channel 2 → VIDEO 2
- Connect your house reference GenLock signal to the **REF** BNC on the Breakout Panel.
- Connect your linear time code input cable for channel 1 to the **LTC 1 IN** BNC on the Breakout Panel.
- Connect your linear time code input cable for channel 2 to the **LTC 2 IN** BNC on the Breakout Panel.
- Connect your linear time code output cable for channel 1 to the **LTC 1 OUT** BNC on the Breakout Panel.
- Connect your linear time code output cable for channel 2 to the **LTC 2 OUT** BNC on the Breakout Panel.
- Connect your channel 1 RS-422 control cable to the **COM3** DB9 port on the Breakout Panel.
- Connect your channel 2 RS-422 control cable to the **COM4** DB9 port on the Breakout Panel.

Rack Mounting

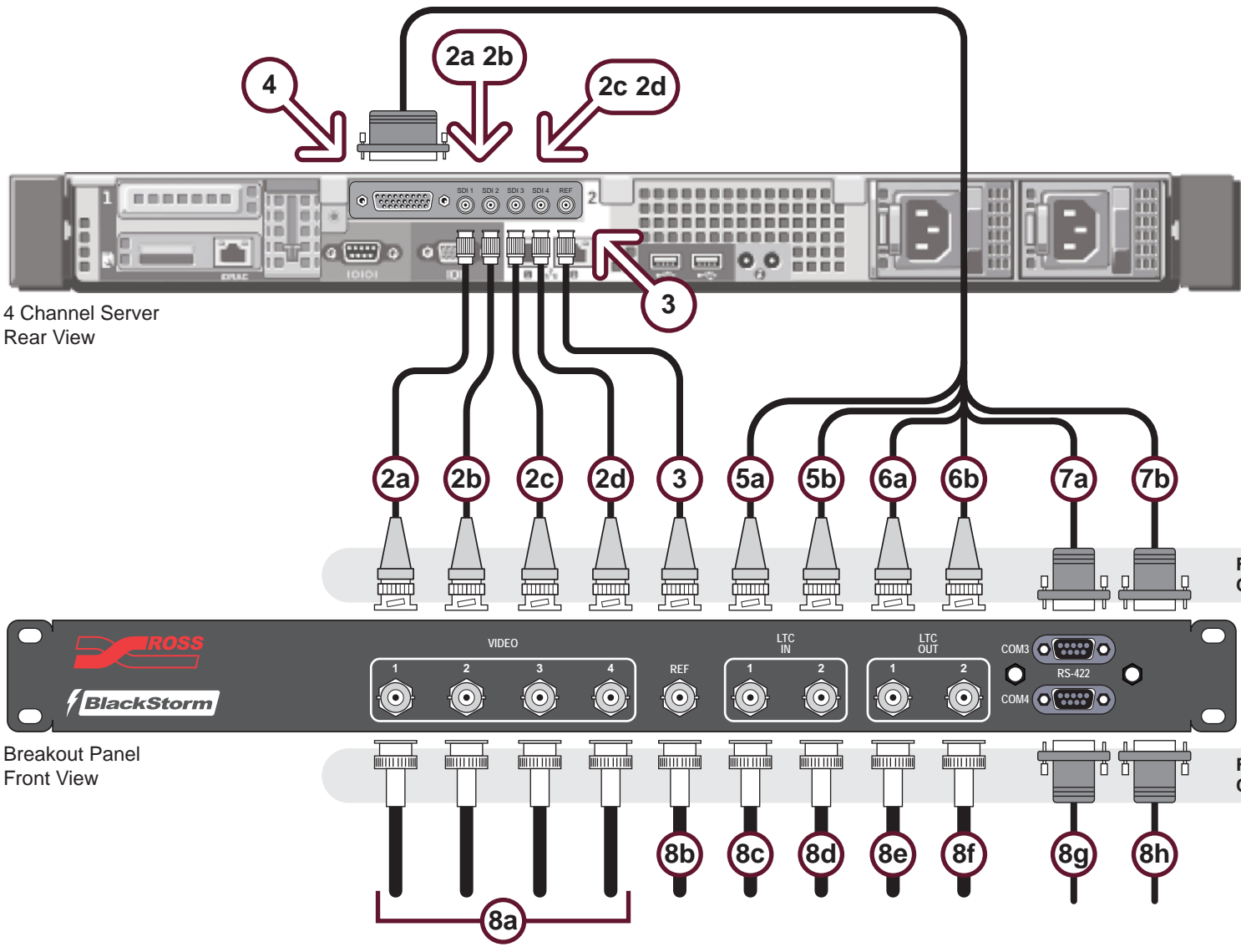
1 Rack Mount
 Unpack and mount your BlackStorm Server Breakout Panel at the back of a 19" wide equipment rack above or below the BlackStorm Server.

Video Out & Reference

2 Video Output

- Fasten the small connector of a 1.0/2.3-to-BNC adapter cable to the **SDI 1** Mini-Din on the server. Fasten the large connector of the adapter cable to the rear of the **VIDEO 1** BNC connector on the Breakout Panel.
- Fasten the small connector of an adapter cable to the **SDI 2** Mini-Din on the server. Fasten the large connector of the adapter cable to the rear of the **VIDEO 2** BNC connector on the Breakout Panel.
- Fasten the small connector of an adapter cable to the **SDI 3** Mini-Din on the server. Fasten the large connector of the adapter cable to the rear of the **VIDEO 3** BNC connector on the Breakout Panel.
- Fasten the small connector of an adapter cable to the **SDI 4** Mini-Din on the server. Fasten the large connector of the adapter cable to the rear of the **VIDEO 4** BNC connector on the Breakout Panel.

3 Reference
 Fasten the small connector of a 1.0/2.3-to-BNC adapter cable to the **REF** Mini-Din on the server. Fasten the large connector of the adapter cable to the rear of the **REF** BNC connector on the Breakout Panel.



Time Code & Remote

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

5 Linear Time Code (LTC) In

- From the **Breakout** cable, fasten the **LTC 1 IN** BNC to the rear of the **LTC IN 1** BNC connector on the Breakout Panel.
- From the **Breakout** cable, fasten the **LTC 2 IN** BNC to the rear of the **LTC IN 2** BNC connector on the Breakout Panel.

6 Linear Time Code (LTC) Out

- From the **Breakout** cable, fasten the **LTC 1 OUT** BNC to the rear of the **LTC OUT 1** BNC connector on the Breakout Panel.
- From the **Breakout** cable, fasten the **LTC 2 OUT** BNC to the rear of the **LTC OUT 2** BNC connector on the Breakout Panel.

7 Remote Control

- From the **Breakout** cable, fasten the **RS-422 No. 1** plug to the rear of the **COM3** DB9 port on the Breakout Panel.
- From the **Breakout** cable, fasten the **RS-422 No. 2** plug to the rear of the **COM4** DB9 port on the Breakout Panel.

Pin Number	Signal
1	Ground
2	RxD-
3	TxD+
4	Ground
5	Not Connected
6	Ground
7	RxD+
8	TxD-
9	Ground

Bulkhead Connections

8 Front Connectors

- Connect your **Video Output** cables to the **VIDEO BNC** connectors on the Breakout Panel as follows:
 Channel 1 → VIDEO 1
 Channel 2 → VIDEO 2
 Channel 3 → VIDEO 3
 Channel 4 → VIDEO 4
- Connect your house reference GenLock signal to the **REF** BNC on the Breakout Panel.
- Connect your linear time code input cable for channel 1 to the **LTC 1 IN** BNC on the Breakout Panel.
- Connect your linear time code input cable for channel 2 to the **LTC 2 IN** BNC on the Breakout Panel.
- Connect your linear time code output cable for channel 1 to the **LTC 1 OUT** BNC on the Breakout Panel.
- Connect your linear time code output cable for channel 2 to the **LTC 2 OUT** BNC on the Breakout Panel.
- Connect your channel 1 RS-422 control cable to the **COM3** DB9 port on the Breakout Panel.
- Connect your channel 2 RS-422 control cable to the **COM4** DB9 port on the Breakout Panel.