

XPression

Basic Cabling

⚠ CAUTION: Before you set up and operate this product, refer to the Important Safety and Regulatory Notices document included in the shipping box.

- 1 Attach the handles to the front rack-mount tabs by aligning the handle with the round holes and fastening from the rear with the supplied screws.

Use the supplied Rack Mount Kit to mount the XPression system in a 19" EIA equipment rack.

For information on installing the XPression chassis in a rack, see the provided document "Installing the Chassis in a Rack".

- 2 Plug an Ethernet cable from your Local Area Network into one of the **Ethernet** ports (a) 2 x 10GbE, (b) 1 x 2.5GbE, (c) 1 x 1.0 GbE.

For information on the IPMI port (d) refer to the XPression 4RU Maintenance Guide.

XPression systems can run standalone or accept a connection to a production network. The network connection is also used for the RossTalk / Smart GPI feature.

- 3 Plug the supplied keyboard into a **USB** port.

- 4 Plug the supplied mouse into a **USB** port.

- 5 Connect a Monitor (customer supplied) to any of the four display ports.

KVM extenders (customer supplied) are required when the XPression system monitor, keyboard, and mouse are located remotely from the rack room.

- 6 Connect power cords from the AC on the XPression system to the mains power.

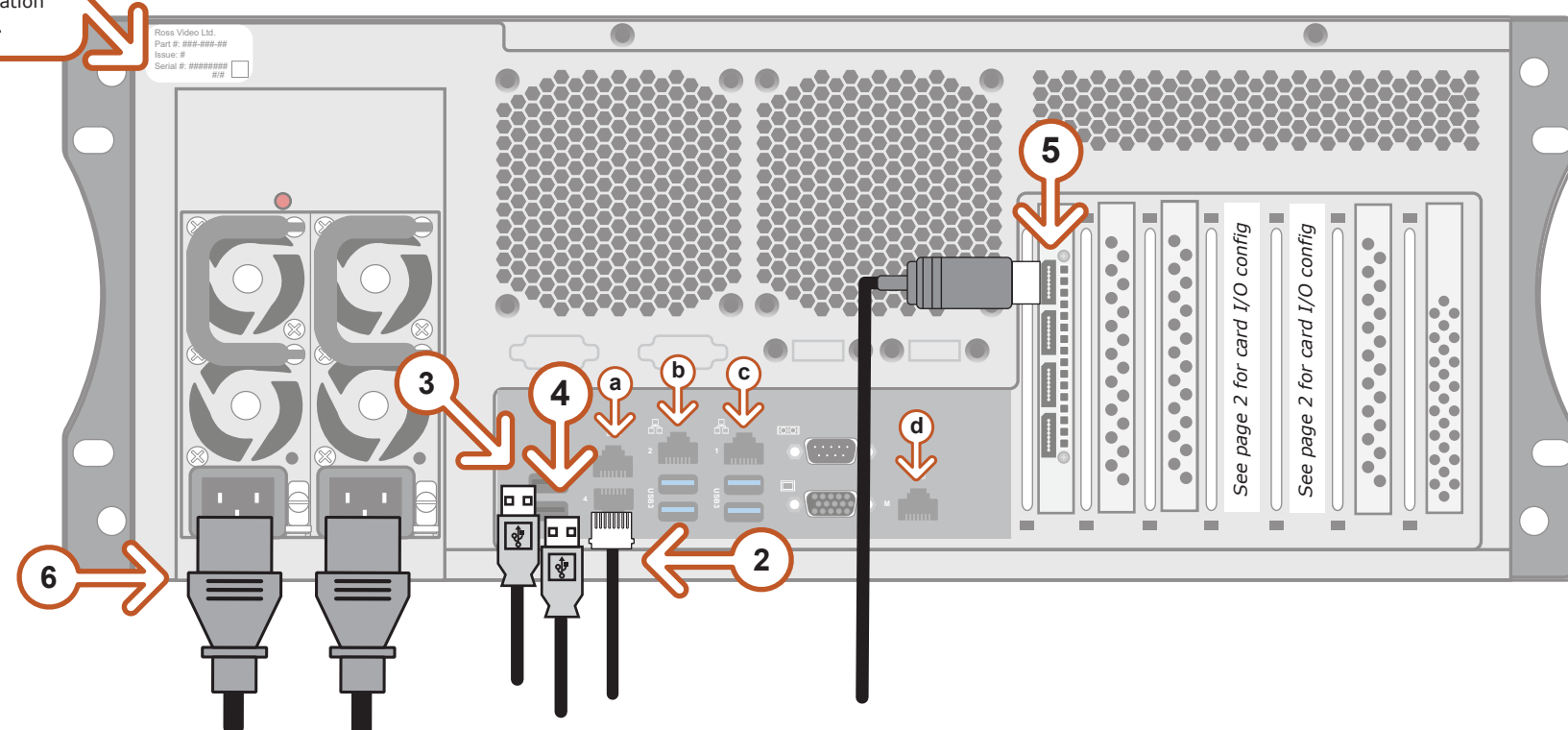
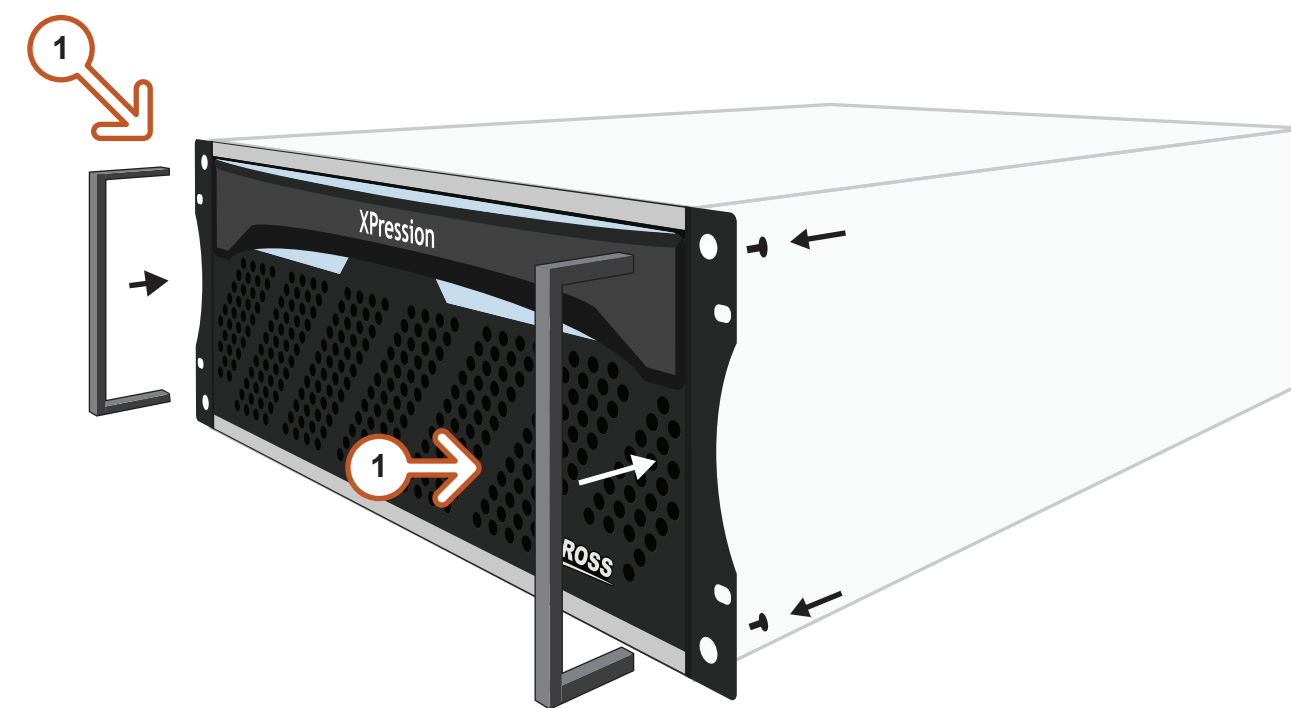
XPression system power supplies are auto-sensing and can use either 110 VAC or 220 VAC.

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Product/Model	Power Consumption		Conditions/Notes
	Maximum (Peak)		
	Power (W)	Voltage (V)	
XPression 4RU	958	110	100% Load

Need Help?
 Technical Support:
 1-833-859-0499 (North America)
 +800 3540 3545 (Int'l)
 1 300 007 677 (Australia)
 Email: techsupport@rossvideo.com

When contacting technical support, please provide the information listed on this label.



Card Cabling

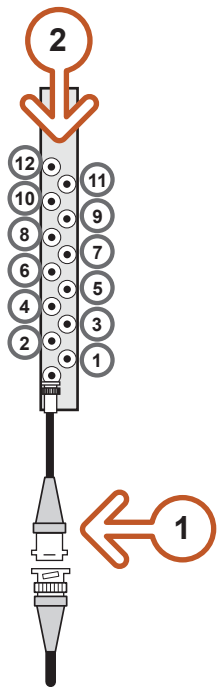
To connect the cables:

- 1 Connect your house reference Genlock signal to the **REF** HD-BNC connector.
XPression systems accept analog blackburst or tri-level sync as reference inputs. Tri-level sync is recommended for HD installations.
- 2 Connect the HD-BNC end of the pigtail cables to the HD-BNC connectors and attach the SDI cables to the BNC end of the pigtails according to their required destination (see the *XPression User Guide* or Help file for information about configuring the key and fill for the HD-BNC connectors).

Not all HD-BNC connectors will be active depending on the XPression software edition. Keep any unused pigtail and SDI cables in a safe place for future use.

If your facility requires analog outputs, additional outboard digital to analog conversion equipment is available from Ross Video.

Inputs/outputs can be configured in the Hardware Setup in the XPression User Guide or Help file.



HD-BNC	Default (6 in, 6 out)	10 In, 2 Out	4 In, 8 Out	8 In, 4 Out
1	In 1*	In 1*	In 1*	In 1*
2	In 2*	In 2*	In 2*	In 2*
3	In 3*	In 3*	In 3*	In 3*
4	In 4*	In 4*	In 4*	In 4*
5	In 5^	In 5^	Out 1^	In 5^
6	In 6^	In 6^	Out 2^	In 6^
7	Out 1^	In 7^	Out 3^	In 7^
8	Out 2^	In 8^	Out 4^	In 8^
9	Out 3*	In 9*	Out 5*	Out 1*
10	Out 4*	In 10*	Out 6*	Out 2*
11	Out 5*	Out 1*	Out 7*	Out 3*
12	Out 6*	Out 2*	Out 8*	Out 4*

*Up to 12G
^Up to 3G

For information on...

- operating XPression, see the "XPression User Guide" available in the C:\Archive folder
- maintenance of the XPression system, see the "XPression Maintenance Guide" in the C:\Archive folder
- other XPression features and functions, see the documents available in the C:\Archive folder

To launch XPression:

- 1 Press the **Power** button (⏻) on the front of the XPression system.
Ross Video recommends shutting down XPression systems from the Windows operating system.
- 2 Click the XPression user account icon on the desktop.
- 3 Log onto the system.
- 4 Launch XPression from the **Start** menu.

To configure the XMIO5:

- 1 Stop all applications using the Matrox card and ensure that the card is installed.
- 2 Run the machine as administrator.
- 3 Click the **Windows Start** button.
- 4 Type *Command Prompt*.
- 5 Right-click on **Command Prompt** and select **Run as administrator**.
- 6 In the **Command Prompt**, type the following to get to the directory:
`cd C:\Program Files\Matrox DSX-TopologyUtils\drivers`

- 7 Then type:

```
mvConnectorConfig.exe load -f=Xmio5Le5ConnectorMapping\Xmio5\Pinout_XiYo.pin -sn=XXXXXXX
```

- a. Replace **Pinout_XiYo.pin** with **.pin** file you want to use. For example **xmio5_x2_06i06o.pin** provides 6 inputs and 6 outputs.
- b. Replace the **XXXXXXX** with the serial number of the Matrox card.

To find the serial number, open the **Matrox X.info** app from the Windows system tray, select **Hardware** from the drop-down and look at the hardware information.

The final **mvConnectorConfig** should look something like this:

```
C:\Program Files\Matrox DSX-TopologyUtils\drivers>mvConnectorConfig.exe load -f=Xmio5Le5ConnectorMapping\Xmio5\Pinout_06i06o.pin -sn=A572788
```

- 8 Reboot the machine.
- 9 In XPression, click **Edit > Hardware Setup** and select the **Inputs/Outputs** tab to confirm the video I/O settings.

Windows updates: it is recommended to perform scheduled Windows updates to maintain Windows security patches. Windows updates should be scheduled during periods of downtime.