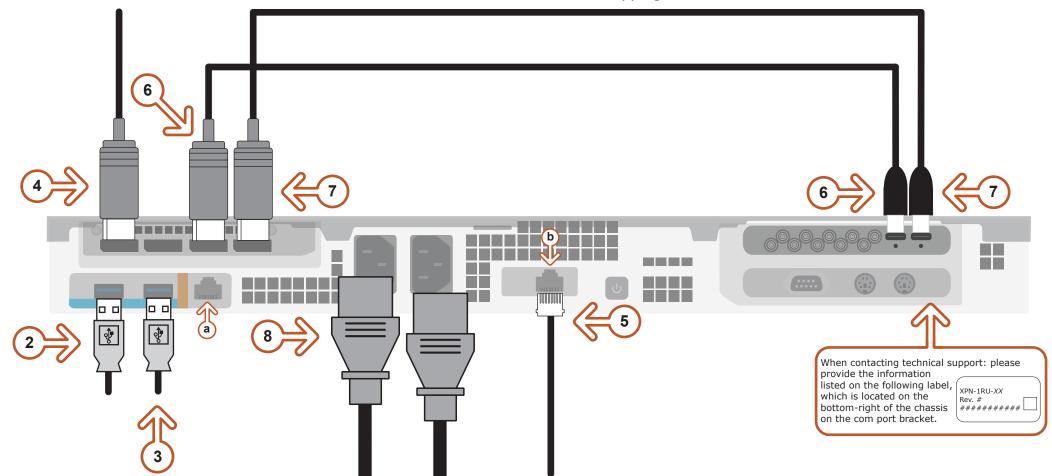
XPression

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.

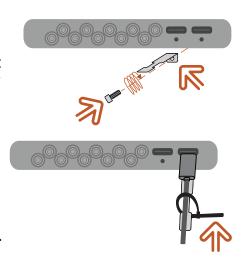


To attach the retaining clip:

- 1 Align the Retaining Clip so that the mounting hole is on the right and install the 1.5mm Hex screw into the hole next to the USB-C port.
- 2 Insert the USB-C cable into the port next to the Retaining Clip and use a supplied Cable Tie to secure the USB-C cable to the Retaining Clip.

Do not overtighten the Cable Tie.

Repeat these steps for the second USB-C cable if required.



- 1 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 the supplied Keyboard into one of the **USB** ports.
- **3** Plug the supplied Mouse into one of the **USB** ports.
- **4** 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.
- **5** Plug an Ethernet cable from your Local Area Network into either the **1G** (**a**) or **10G** (**b**) **Ethernet** port.

XPression systems can be connected to the Internet or restricted production network. The network connection is also used to distribute assets and for the RossTalk/Smart GPI feature.

- **6** Connect the display port end of the display-port-to-USB-C-cable to the third display port and the USB-C end to the first USB-C port.
- **7** Connect the display port end of the display-port-to-USB-C-cable to the fourth display port and the USB-C end to the second USB-C port.
- Connect power cords from the AC ports on the XPression system to the mains power.

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

Continued on other side...



Need Help?

Technical Support:
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+800 1005 0100 (International)
Email: techsupport@rossvideo.com



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XPression

Card Cabling

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). The default and UHD configuration is displayed in the tables below.

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. See the XPression User Guide or Help file for instructions.

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

Software Bypass
I1 ==> O1
I2 ==> O2
I3 ==> O3
I4 ==> O4

Note: Available when system is running

I/O	SD/HD	UHD	
I1/08	Out 8/Out 4 Key/In 1	In 1	
12/07	Out 7/Out 4 Fill/In 2	In 2	
13/06	Out 6/Out 3 Key/ In 3		
I4/O5	Out 5/Out 3 Fill/In 4		
04	Out 4/Out 2 Key	Out 4/Out 2 Key	
03	Out 3/Out 2 Fill	Out 3/Out 2 Fill	
02	Out 2/Out 1 Key	Out 2/Out 1 Key	
01	Out 1/Out 1 Fill	Out 1/Out 1 Fill	

Note: Key	is always	on an	even	output	
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	Sampl	e con	ıfigurat	ions:
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2 In 3 Fill/Key*	8 Out	4 Fill/Key	4 In 4 Out	1 Fill 2 Fill/Key	2 Fill 2 Fill/Key
In 1	Out 8	Out 4 Key	In 1		
In 2	Out 7	Out 4 Fill	In 2		
Out 3 Key	Out 6	Out 3 Key	In 3	Out 3 Key	Out 4 Key
Out 3 Fill	Out 5	Out 3 Fill	In 4	Out 3 Fill	Out 4 Fill
Out 2 Key	Out 4	Out 2 Key	Out 4	Out 2 Key	Out 3 Key
Out 2 Fill	Out 3	Out 2 Fill	Out 3	Out 2 Fill	Out 3 Fill
Out 1 Key	Out 2	Out 1 Key	Out 2		Out 2
Out 1 Fill	Out 1	Out 1 Fill	Out 1	Out 1	Out 1
	In 1 In 2 Out 3 Key Out 3 Fill Out 2 Key Out 2 Fill Out 1 Key	In 1 Out 8 In 2 Out 7 Out 3 Key Out 6 Out 3 Fill Out 5 Out 2 Key Out 4 Out 2 Fill Out 3 Out 1 Key Out 2	In 1 Out 8 Out 4 Key In 2 Out 7 Out 4 Fill Out 3 Key Out 6 Out 3 Key Out 3 Fill Out 5 Out 3 Fill Out 2 Key Out 4 Out 2 Key Out 2 Fill Out 3 Out 2 Fill Out 1 Key Out 2 Out 1 Key	In 1 Out 8 Out 4 Key In 1 In 2 Out 7 Out 4 Fill In 2 Out 3 Key Out 6 Out 3 Key In 3 Out 3 Fill Out 5 Out 3 Fill In 4 Out 2 Key Out 4 Out 2 Key Out 4 Out 2 Fill Out 3 Out 2 Fill Out 3 Out 1 Key Out 2 Out 2	In 1 Out 8 Out 4 Key In 1 In 2 Out 7 Out 4 Fill In 2 Out 3 Key Out 3 Key In 3 Out 3 Key Out 3 Fill Out 5 Out 3 Fill In 4 Out 3 Fill Out 2 Key Out 4 Out 2 Key Out 4 Out 2 Key Out 2 Fill Out 3 Out 2 Fill Out 2 Fill Out 1 Key Out 2 Out 2

^{*}Default setup

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

