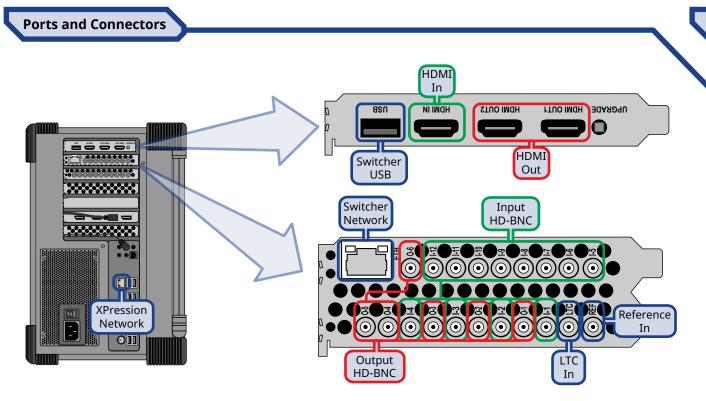
QuickStart



Notes:

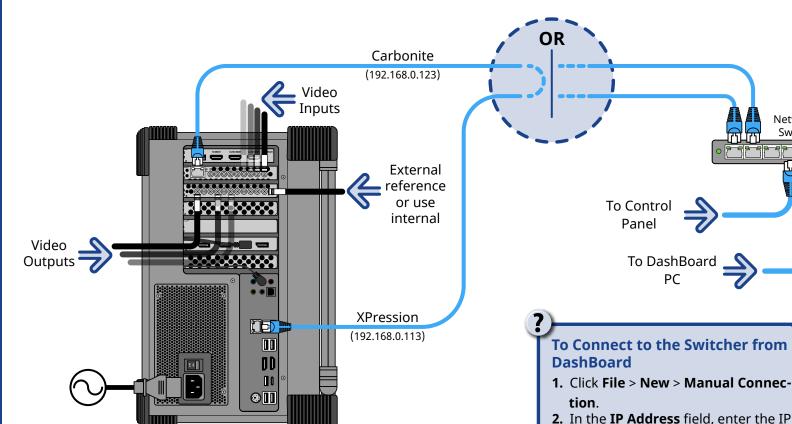
- IN1 loops to OUT1 and IN3 loops to OUT3 in bypass mode when the switcher sub-system is not running. (Cable length depends on the equipment you are using.)
- MultiViewer outputs are only available on OUT5 and 6.
- HDMI audio is not supported.
- HDMI output formats are the same as the switcher is operating in. No format conversion is applied to the output except for the MultiViewer that can be 1080p.
- The ethernet port on the right at the back of the server has be set to the default IP address for XPression. The other port is set to DHCP.
- The Switcher USB port is connected to the switcher sub-system and not available to the Windows OS.

Power and Control Cabling

Note: If you direct connect XPression to Carbonite, you must run DashBoard on the XPression server and you cannot connect a separate control panel to Carbonite.

Direct Connect XPression and Carbonite Ethernet Ports OR

Connect to External Network Switch



 \bigcirc Mains

Note: It is recommended that you always connect the AC Power Cord to the device before connecting to Mains Power.

Analog Audio Output Specifications

address of Carbonite, not the IP

address of XPression.

3. Click **Detect Settings**.

4. Click Finish.

Crosstalk 20kHz) >93dB or <0.002%

Specifications

Video Input Formats
480i 59.94Hz
576i 50Hz
720p 59.94Hz
720p 50Hz
1080i 59.94Hz
1080i 50Hz
1080pSF 23.98Hz
1080pSF 25Hz
1080pSF 29.97Hz
1080p 25Hz
1080p 29.97Hz
1080p 50Hz Level A
1080p 59.94Hz Level A

Default Values Switcher IP 192.168.0.123 XPression IP 192.168.0.113 FTP User name user FTP Password password

Tally Rating 24VAC (rms) / 40VDC Input Voltage: 120mA < 15 ohms Impedance:

Temperature 0 - 50°C (32 - 122°F) Operating -20 - 60°C (-4 - 140°F)

Power Consumption 185W 1.54A 120V Audio Breakout 45W 3.75A 12V

Input Voltages 100 - 120V~ 220 - 240V~

Video Input Specifications Equalization >50m @ 3Gb/s (Belden 1694 cable) >100m @ 1.5 Gb/s >300m @ 270 Mb/s (5°-40°C) 75 ohm, terminating Impedance Video Inputs, SDI SMPTE 259M/292M (non-looping) Video Inputs, HDMI HDMI 1.4 High Speed Cable (Max 10m) Ref Inputs (75 ohm, SD — analog black terminated) HD — tri-level sync

Video Output Specifications Return Loss >15dB 5Mb/s to 1.5Gb/s >10dB 1.5Gb/s to 3Gb/s (w/o bypass) Return Loss >13dB 5Mb/s to 1.5Gb/s >10dB 1.5Gb/s to 3Gb/s (w/ bypass) Rise & Fall Time 800ps +/- 10% (SD) 240ps +/- 10% (HD) Signal Level 800mV +/- 10% DC Offset 0 Volts Overshoot < 10% 10-bit SMPTE-292M SDI HD Mode HDMI HDMI 1.4 **High Speed Cable**



Signal to Noise Ratio -95dB

Input Impedance

Maximum Level

"A" weighting

CCITT weighting

Analog Audio Input Specifications

Frequency Response ±0.3dB (22Hz to

XLR: 2K ohm

+24dBu

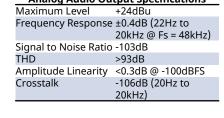
-107dB

-94dB

Amplitude Linearity <0.8dB @ -100dBFS

¼" Jack: 10K ohm

20kHz @ Fs = 48kHz)

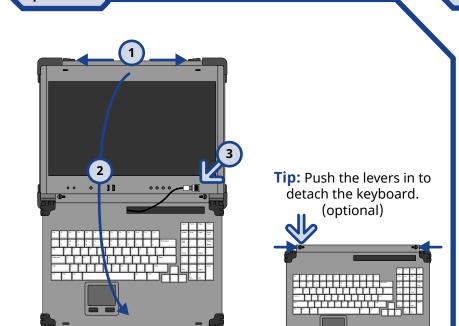




Network Switch

GRAPHITE PPC

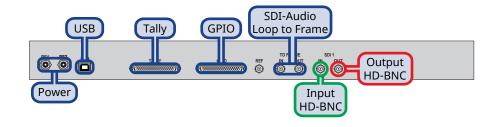
Operation





Audio Breakout Module (ABM)

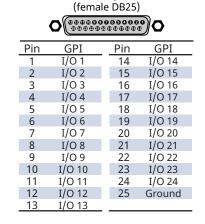




(female DB25)				
0				
Pin	Tally	Pin	Tally	
1	1	14	14	
2	2	15	15	
3	3	16	16	
4	4	17	17	
5	5	18	18	
6	6	19	19	
7	7	20	20	
8	8	21	21	
9	9	22	22	
10	10	23	23	
11	11	24	24	
12	12	25	Common	

13

Tally

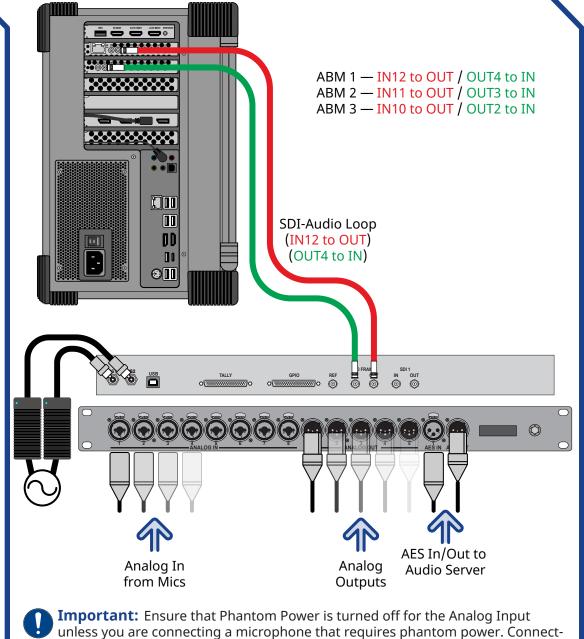


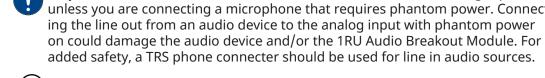
GPI I/O

Notes:

- All digital audio must be reference locked (timed) to the same reference that the switcher subsystem is using. This includes both SDI embedded audio and AES audio inputs on the 1RU Audio Breakout Module.
- The SDI-Audio Loop HD-BNCs are for passing embedded audio to and from the audio mixer.
- The SDI1 In and Out HD-BNCs replace the HD-BNCs on the server that are used by the Audio Breakout Unit.
- The REF input is not available at this time.

Power and Cabling







Note: It is recommended that you always connect the AC Power Adapter to the device before connecting to Mains Power.



Having a problem? Call our free, 24-hour technical support hotline to speak with a live product specialist located right here in our facility.

Tel: (+1) 613 • 652 • 4886 Email: techsupport@rossvideo.com

