### Power and Control Cabling

**Notes:**
- If you directly connect XPression to Carbonite, you must run DashBoard on the XPression server and you cannot connect a separate control panel to Carbonite.
- **CAUTION:** Wear an ESD grounding strap connected to the chassis thumb screw (Ground Point) before servicing the rear of the unit when power is on.

### QuickStart

1. **Direct Connect XPression and Carbonite Ethernet Ports**
2. **OR Connect to External Network Switch**
3. **To Connect to the Switcher from DashBoard**
   - 1. Click File > New > Manual Connection.
   - 2. In the IP Address field, enter the IP address of XPression. Not the IP address of XPression.
   - 3. Click Detect Settings.
   - 4. Click Finish.

---

### Ports and Connectors

- **Power:**
  - スイッチャー USB ポートは接続
  - リスプートアダプタをデバイスに接続してからメイン電源に接続してください。

- **Reset:**
  - コントロールパネルに接続するには電源オフの状態で行います。

- **Input HD-BNC:**
  - 20kHz (20Hz to 20kHz)

- **Output HD-BNC:**
  - +24dBu

- **LTC:**
  - >10dB 1.5Gb/s to 3Gb/s

- **REF:**
  - >13dB 5Mb/s to 1.5Gb/s

- **ETH:**
  - >15dB 5Mb/s to 1.5Gb/s

### Specifications

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</tr>
</tbody>
</table>

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

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**Power and Control Cabling**

- **Switcher USB port is connected to the switcher sub-system and not available to the Windows OS.**
- **MultiViewer outputs are only available on OUT5 and 6.**
- **HDMI audio is not supported.**
- **MultiViewer outputs are the same as the switcher is operating on. 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 been 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.**
Rack Mounting

Extend the inner rail from the outer rail and use the latch to release.

Optional

Caution: Do not use the optional handles to lift the server. The handles are intended to assist with pulling the server from the rack only.

Rack Mounting

Audio Breakout Module (ABM)

Analog Audio In
XLR / ¼” Audio Jack

Tally
(female DB25)

GPI I/O
(female DB25)

USB
Tally
GPIO
SDI-Audio Loop to Frame

Power
Input
HD-BNC

Output
HD-BNC

Menu Display and Knob

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

ABM 1 — IN12 to OUT / OUT4 to IN
ABM 2 — IN11 to OUT / OUT3 to IN
ABM 3 — IN10 to OUT / OUT2 to IN

SDI-Audio Loop
(IN12 to OUT)
(OUT4 to IN)

Analog Audio In
XLR / ¼” Audio Jack

Analog Audio Out
XLR

Menu Display
and Knob

AES In
AES Out

USB
Tally
GPIO
SDI-Audio Loop to Frame

Power
Input
HD-BNC

Output
HD-BNC

Notes:

Important: Ensure that Phantom Power is turned off for the Analog Input unless you are connecting a microphone that requires phantom power. Connecting the line out from an audio device to the analog input with phantom power on could damage the audio device and/or the 1RU Audio Breakout Module. For added safety, a TRS phone connector should be used for line in audio sources.

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

Important: Before you set up and operate your switcher, see the “Important Safety Instructions” in your User manual.

Caution: Two Person Lift Required.

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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

Rack Mounting

Audio Breakout Module (ABM)

Analog Audio In
XLR / ¼” Audio Jack

Tally
(female DB25)

GPI I/O
(female DB25)

USB
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(IN12 to OUT)
(OUT4 to IN)

Analog Audio In
XLR / ¼” Audio Jack

Analog Audio Out
XLR

Menu Display
and Knob

AES In
AES Out

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