

Vi BLU-Link Active Breakout Box Local I/O

High-Channel Digital Audio Network Interface for Integrating Soundcraft Vi Series Consoles with BSS BLU-Link & Crown Amplifier Networks

01. PRODUCT OVERVIEW

The Soundcraft Vi BLU-Link Active Breakout Box (SKU: 5056738) is an active network expansion interface designed to seamlessly bridge Soundcraft Vi Series digital mixing consoles with Harman's proprietary BLU-Link high-speed digital audio bus.

Acting as a local I/O breakout engine, this unit enables low-latency 32-channel input/output digital signal routing directly to BSS Soundweb London DSP processors, Crown DriveCore amplifiers, and JBL loudspeaker management systems without consuming main console MADi expansion slots.

02. KEY FEATURES & HIGHLIGHTS

- BLU-Link Audio Integration:** Directly interfaces Vi Series Local Racks with the 256-channel Harman BLU-Link fault-tolerant digital audio ring.
- 32-Channel Bi-Directional I/O:** Transmits up to 32 digital audio channels into and out of the BLU-Link bus at low latency.
- Redundant Ring Architecture:** Dual RJ45 etherCON ports (Primary / Secondary) ensuring fail-safe signal routing against cable breaks.
- Active Local I/O Conversion:** Converts internal console audio buses directly to BLU-Link digital audio stream format without external converters.
- Rack-Mount Industrial Design:** Rugged 1U/2U steel enclosure with active LED status indicators for sync, link, and power status.

03. TECHNICAL SPECIFICATIONS

|                       |                                                |
|-----------------------|------------------------------------------------|
| Part / SKU            | 5056738                                        |
| Device Type           | Active BLU-Link Network Interface Engine       |
| Audio Channels        | 32 Inputs / 32 Outputs (BLU-Link Bus)          |
| Digital Interface     | 2 x Neutrik RJ45 etherCON (Primary/Secondary)  |
| Sample Rate           | 48 kHz / 24-bit Uncompressed Digital Audio     |
| Network Topology      | Point-to-Point / Fault-Tolerant Ring           |
| Max Cable Distance    | 100m (328ft) per link over Cat5e / Cat6 STP    |
| Status LED Indicators | Power, Sync, BLU-Link Primary/Secondary Active |

04. SYSTEM COMPATIBILITY

|                     |                                                                    |
|---------------------|--------------------------------------------------------------------|
| Consoles            | Soundcraft Vi1, Vi2, Vi3, Vi4, Vi6, Vi2000, Vi3000, Vi5000, Vi7000 |
| Local Rack / Engine | Vi Local Rack, Active Breakout Bay                                 |
| Ecosystem Devices   | BSS BLU-100/160/800, Crown I-Tech HD & DCi Series Amplifiers       |

05. PHYSICAL & ELECTRICAL SPECIFICATIONS

|                 |                                          |                |                           |
|-----------------|------------------------------------------|----------------|---------------------------|
| Unit Net Weight | approx. 2.1 kg (4.62 lbs)                | Package Weight | approx. 2.8 kg (6.16 lbs) |
| Power Supply    | Internal AC Mains 100-240V AC (50/60 Hz) | Operating Temp | 0°C to +45°C              |

**Network Tip:** Always construct BLU-Link networks using high-grade shielded twisted pair (STP) Cat5e or Cat6 cables with Neutrik etherCON plugs to ensure full fault-tolerant loop redundancy.