

Transcend™ Venue

Transcend™ Technology designed for the acoustic enhancement of sound for performance venues.

- System includes a series of speakers, microphones, amplifiers, digital signal processing, and a digital audio bus to create different levels of reverberation in performance spaces
- The system includes up to eight pre-set environments with varying characteristics of early energy and late decay reverberation, all of which can be co-tuned with the venues acoustic consultant to achieve the desired acoustics for the space
- Transcend TS-4D Processors individually provide up to four independent zones of enhancement processing. Multiple processors can be combined to allow for additional zone expansion in configurable spaces that may require more than four.
- The TS-4D processor is fully controlled and integrated through Harman's HiQnet communication protocol and passes digital audio via BLU Link to local BLU Link devices, additionally, BLU Link is also capable of bridging to Dante networks for shared use of loudspeakers
- Complete turnkey installation can be provided (and is preferred), which includes, processing and amplification rack, loudspeakers, microphones, electrical system components, full design package, installation, and system tuning by our experts
- Three-year warranty



Core System Components

Transcend TS-4D Acoustic Enhancement Processor

- Digital Audio Communication: BLU Link
- Processing: 48 kHz, 32-bit floating point
- Digital Inputs: 16 microphones, 8 auxiliaries
- Digital Outputs: 32
- Latency: 6.3 msec (Mic in to Amp output)
- Control protocol: Harman HiQnet via Audio Architect
- Up to four zones of independent processing
- Dimensions: 2U x 8.25"d (89 x 483 x 210 mm)

Soundweb London BSS BLU 160 (or 806 for Dante)

Core Processor

- Configurable Analog I/O modules, Maximum 16 channels
- Mic preamp module specifications:
 - EIN: -128 dBu at 150 ohm
 - Max input level: +20 dBu
- Digital I/O:
 - 256 Local BLU Link audio channels.
 - 64x64 Dante Channels on 806 model
 - Open architecture DSP configuration
- Dimensions: 1U x 12.5"d (44 x 483 x 318 mm)

Microphones

- Sennheiser MKHC8040 + MZX 8000 (typical)
 - Cardioid polar pattern
 - Frequency response: 30 to 50,000 Hz
 - Sensitivity: at 1000 Hz – 20 mV/Pa (-34 dB)
 - Equivalent Noise Ratio Level: 13 dB-A, SPL for 1%
 - Length: 1-5/8" (41 mm), with XLR module – 3" (76 mm),
 - 3/4" (19 mm) dia.

Standard Configured Components

Crown DriveCore Install Network Series Amplifiers

Loudspeakers

- JBL Control 28-1L (Typical)
 - Frequency Response: (-10 dB) 45 Hz to 20 kHz
 - Continuous program power capacity: 240 watts
 - Maximum SPL: 112 dB RMS 1m
 - Sensitivity: 91 dB, 1W/1m Half Space 100-10k Hz
 - Directivity Pattern: 100x100 degrees
 - Dimensions: 11"w x 15"h x 8-1/2"d (279 x 381 x 216 mm)
 - Weight: 12 lb (5.5 kg)
- JBL Control 47C/T (Typical)
 - Frequency Response: (-10 dB) 55 Hz to 20 kHz
 - Continuous program power capacity: 150 watts
 - Maximum SPL: 110 dB RMS 1m
 - Directivity Pattern: 120 degrees
 - Dimensions: 11"w x 15"h x 8-1/2"d (279 x 381 x 216 mm)
 - Weight: 12 lb (5.5 kg)
 - Available in pendent and high ceiling style
- JBL AC115S (Typical)
 - Frequency Response: (-10 dB) 32 Hz to 250 Hz
 - Continuous program power capacity: 800 watts
 - Maximum SPL: 120 dB RMS 1m
 - Directivity Pattern: 120 degrees
 - Dimensions: 19" x 16.5" x 23.6" (483 x 419 x 600 mm)
 - Weight: 52.9 lb (24 kg)

Control Panels

- BSS Contrio EC-8B (Typical)
 - 2-gang wall mounted, POE, controlled through HiQnet, eight programmable buttons
- Compatible with Crestron



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Minnesota Location

Wenger Phone 800.4WENGER (493-6437) Wenger Worldwide +1.507.455.4100 | Parts & Service 800.887.7145 | wengercorp.com
GearBoss Phone 800.493.6437 | gearboss.com
555 Park Drive, PO Box 448 | Owatonna | MN 55060

New York Location

J.R. Clancy Phone 800.836.1885 JR Clancy Worldwide +1.315.451.3440 | jrclancy.com | 7041 Interstate Island Road | Syracuse | NY 13209