BSS AUDIO

NETWORKED
PROGRAMMABLE
DSP SYSTEMS

Soundweb™ London

Whether a solo or a full ensemble, Soundweb London delivers the perfect performance.

FRONT

I/O CARD TYPE INDICATION
Analog or digital, input or output indication per card position

CLIP LED
Analog clip indication per channel for inputs and outputs (+18.5dB)

SIGNAL LED
Signal present indication per channel for inputs and outputs (-20dB)

SYNC/48V LED
Digital Sync indication per channel for Soundweb London Digital Input / Output Cards and Phantom Power indication per channel for Soundweb London Analog Input Cards

NETWORK LINK LED
Network link status indication (shows presence of valid Ethernet connection)

DATA ACTIVITY LED
Communication indication (indicates when a device is communicating with other devices)

CONDUCTOR LED
CobraNet™ Conductor status indication

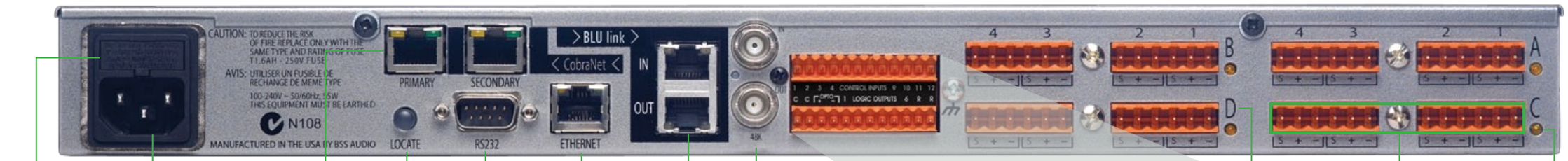
FRONT PANEL DISPLAY
Top Left - *Device Name:* 'Friendly' name given to device
IP Address: Ethernet IP Address of device
Subnet Mask: Ethernet Subnet Mask of device
Local Time: Local time of device
Bottom Left - *Device Type:* Product SKU of device
Top Right - *Device Status:* Current status of device (represented as transport symbols)
Bottom Right - *Firmware Version:* Current firmware version of device

LOCATE BUTTON
(temporarily illuminated by a chasing circle of LEDs)
Bi-directional Locate for identification of hardware devices from software devices or software devices from hardware devices. (Locate Button also featured on rear of device)

PRODUCT BADGE
Family member indication

CARD POSITION LABEL

REAR



FUSE
Field-serviceable fuse

POWER CONNECTOR
IEC power connector

COBRANET CONNECTORS
Primary and Secondary CobraNet connectors for creation of fault-tolerant and redundant systems

LOCATE BUTTON
(temporarily flashing button)
Bi-directional Locate for identification of hardware devices from software devices or software devices from hardware devices. (Locate Button also featured on front of device)

RS-232 PORT
Serial port for integration with third-party control systems or for simple serial control of third party devices such as projectors, displays and lighting controllers

ETHERNET CONNECTOR
Ethernet connector for Soundweb London configuration, control and monitoring. Also used for integration with third party control systems using IP control

DIGITAL AUDIO BUS
IN and OUT connectors for 256-channel, low-latency, fault-tolerant digital audio bus

48K CONNECTOR
Outputs 48kHz clock

OPTO
Opto-isolator which conducts when device is powered and functioning correctly

LOGIC OUTPUTS
Allows Soundweb London to control up to six LEDs or relays

CONTROL INPUTS
Allows up to 12 contact closures, faders or rotary potentiometers to be used to control Soundweb London parameters

AUDIO CONNECTOR
Balanced connections for installed I/O card

CARD POSITION LABEL

I/O CARD TYPE INDICATION
Analog Input Card - Green
Analog Output Card - Orange
Digital* Input Card - Blue
Digital* Output Card - Red

*AES/EBU and S/PDIF

The power, flexibility and reliability for any scale of installed sound system.

With a choice of seven different processors within the Soundweb London family and input / output card flexibility within each device, Soundweb London represents a truly flexible and scalable system. Whether you require the high bandwidth audio networking of a digital audio bus, CobraNet compatibility, DSP capability, input / output expansion or a specific mix of functionality, Soundweb London offers the building blocks of a tailor-made system.

	SIGNAL PROCESSING	COBRANET	DIGITAL AUDIO BUS
BLU-800	4X	✓	✓
BLU-80	1X	✓	
BLU-320		✓	✓
BLU-32		✓	
BLU-160	4X		✓
BLU-16	1X		
BLU-120			✓

Other control options include GPIO, online PC control and third-party control systems.

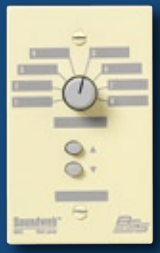
Wall Controllers

BLU-10
(available in white, black and blue)

BLU-8
(available in white and black)

BLU-6

BLU-3



sw9015US

sw9012US

Configure complex systems elegantly with the power of HiQnet™ London Architect

HiQnet London Architect is the configuration, control and monitoring application for the Soundweb London family. Representations of Soundweb London devices can be positioned and organized logically to represent connectivity, rack locations and the racks themselves.

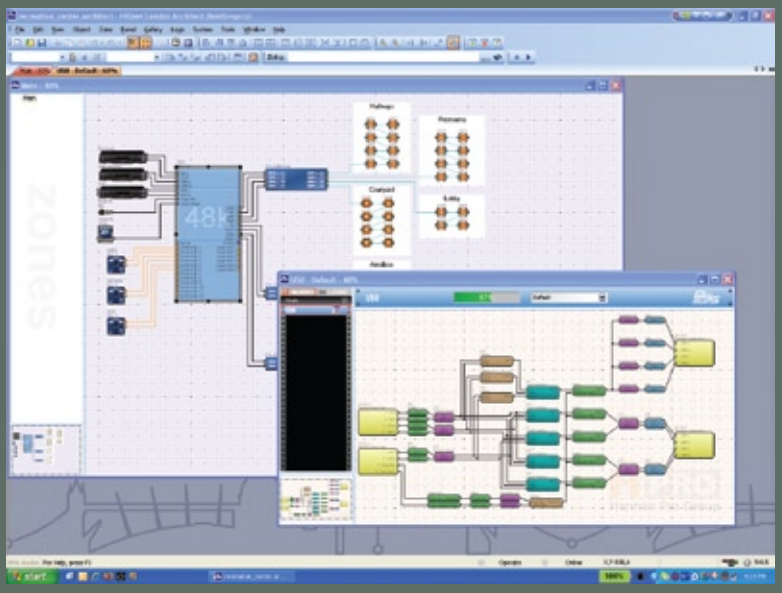
DRAG-AND-DROP CONFIGURATION

The open architecture of Soundweb London is configured using a simple drag-and-drop approach. Scalable audio 'Processing Objects' representing processors such as compressors, mixers, gains and crossovers can be positioned and connected as required within each DSP capable device. Since the configuration process does not require hardware, even the largest system can be designed from the comfort of a sofa.

With over 25 years of experience in audio signal processing, BSS Audio modeled the DSP algorithms of Soundweb London on its highly acclaimed analog signal processors.

SIMPLIFY THE COMPLEX

To assist in navigation through Soundweb London designs, 'Signal Name Following' allows the name of the signal to be displayed at any point within a design. The names of signals are maintained across networked audio connections so keeping track of signals as designs scale up is as simple as hovering a mouse pointer.



SCALABLE AUDIO PROCESSING

Each Processing Object has a 'Default Control Panel' which contains all of the controls one would expect to find for the given processor. These controls offer real-time control of parameters when online to a configured system.

Dedicated Processing Objects for common functions abstract the complexity of providing solutions for those applications. One such example is the scalable Room Combine Processing Object which provides a comprehensively featured Default Control Panel and automates the linking and routing associated with the combining of rooms.

USER-SPECIFIC CONTROL

'Custom Control Panels' allow user-specific control interfaces to be designed. With complete control over navigation, functionality, look and feel; well-designed Custom Control Panels represent significant added value to technical and non-technical users alike.

SCALABLE LOGIC PROCESSING

In addition to audio processing, Soundweb London is also able to process logic. Scalable logic 'Processing Objects' representing functions such as AND, OR and Truth Tables can be positioned and connected as required within each device. Used in conjunction with external control and input from the audio domain, logic processing opens the door to comprehensive automation and system integration.

ONE INTERFACE

HiQnet London Architect offers an 'Export to Clipboard' feature which allows individual parameters to be exported from HiQnet London Architect and imported into HiQnet System Architect.™ This facilitates control and monitoring for Harman HiQnet systems from a single application, HiQnet System Architect.