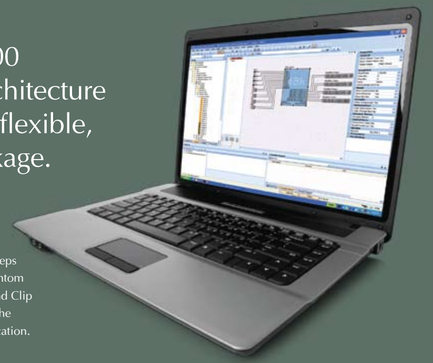
The Soundweb London BLU-100 represents a premium, open-architecture solution in the form of a highly flexible, cost-effective and scalable package.



HiQnet

FIXED I/O CONFIGURATION

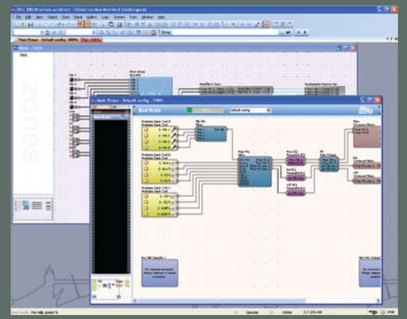
The BLU-100 offers a fixed configuration of 12 inputs and eight outputs. The analog inputs of the BLU-100 provide software configurable gain in 6dB steps up to +48dB per channel and software selectable Phantom Power per channel. Phantom Power, Signal Present and Clip information per channel is easily accessible, without the requirement for a PC, from clear front panel LED indication.

OPEN-ARCHITECTURE PROCESSING

The BLU-100 features configurable signal processing and logic processing. The signal path between the inputs and outputs can be completely tailored to an application, and all of the processing objects and logic objects used in larger Soundweb London systems are made available to designers within the BLU-100. The configurable signal processing offered by the BLU-100 is roughly twice that of the Soundweb London BLU-80 and BLU-16 devices.

DIGITAL AUDIO BUS

The BLU-100 features a low latency, fault tolerant digital audio bus of 48 channels which uses standard Category 5e cabling giving a distance of 100m between compatible devices. Fiber media converters can be used to increase the distance between devices to over 10km (6.2 miles) using single mode fiber. This 48 channel digital audio bus represents channels 1-48 of the larger 256 channel digital audio bus when integrated with the BLU-800, BLU-320, BLU-160, BLU-120 and BLU-BOB devices. Up to 60 digital audio bus compatible devices can share channels on a single bus.



CONFIGURATION, CONTROL AND MONITORING

The BLU-100 is configured, controlled and monitored from HiQnet™ London Architect v3.0 or later. This facilitates the straightforward design process of systems including any mix of the Soundweb London family members. Whether the system includes a single BLU-100, BLU-100 devices with BLU-BOB break-out boxes, multiple BLU-100 devices or larger hybrid systems, the design is encapsulated within a single software application.

EXTERNAL CONTROL

As with other Soundweb London devices, 12 Control Inputs and six Logic Outputs allow the BLU-100 to be integrated with GPIO compatible devices. An RS-232 port allows integration with third-party control systems or simple serial control of third-party devices such as projectors, displays and lighting controllers. In addition to providing the connection for configuration, control and monitoring, the Ethernet port allows integration with third-party control systems using IP control

EVOLUTION

The BLU-100 is an example of where user feedback, combined with the leveraging of Soundweb London's technology, functionality and flexibility has resulted in the development of a truly game-changing product. The BLU-100 broadens the reach of Soundweb London and makes a solution strongly associated with high-profile projects available to many more applications.

The BLU-100 and the other members of the Soundweb London family provide the building blocks of the perfectly tailored system solution.

BSS AUDIO

A Harman International Company

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8760 South Sandy Parkway
Sandy, Utah 84070
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bssaudio.com

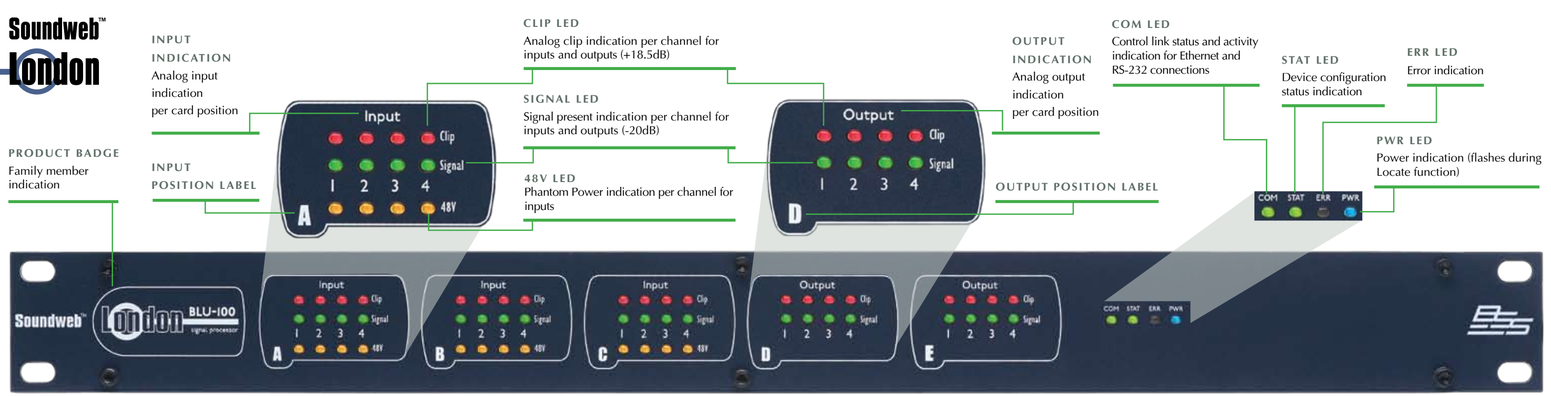
Part number: 18-0690

BSS AUDIO

NETWORKED
PROGRAMMABLE
DSP SYSTEMS

Soundweb™
London
BLU-100

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



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

With a choice of ten different devices within the Soundweb London family, 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.

	CHASSIS	CONFIG. I/O	INPUTS	OUTPUTS	CONFIG.	DISPLAY	LOGIC	RS-232	SIGNAL PROCESSING	COBRANET	DIGITAL AUDIO BUS	ARC COMPATIBLE
BLU-800	19"	✓	C	C	S	✓	✓	✓	4X	✓	256	✓
BLU-80	19"	✓	C	C	S	✓	✓	✓	1X	✓		
BLU-320	19"	✓	C	C	S	✓	✓	✓		✓	256	✓
BLU-32	19"	✓	C	C	S	✓	✓	✓		✓		
BLU-160	19"	✓	C	C	S	✓	✓	✓	4X		256	✓
BLU-16	19"	✓	C	C	S	✓	✓	✓	1X			
BLU-120	19"	✓	C	C	S	✓	✓	✓			256	✓
BLU-100	19"		12	8	S		✓	✓	2X		48	
BLU-BOB1	HALF-RACK			8	M						256	
BLU-BOB2	19"			8	M						256	

C= Configurable; S= Software; M= Manual

Wall Controllers

BLU-10
(US 3-gang; available in white, black and blue)
E

BLU-8
(US 3-gang; available in white and black)
E

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

E = PoE Ethernet Controller
CI = Control Input Controller

BLU-6
(EU single-gang)
CI

BLU-3
(EU single-gang)
CI

sw9015US
(US single-gang)
CI

sw9012US
(US single-gang)
CI

Output Expanders

BLU-BOB2

BLU-BOB1

BLU-MC1
Fiber Optic Media Converter