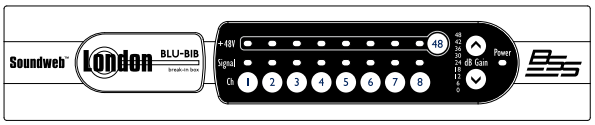
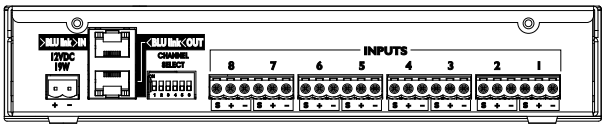
Soundweb™ London
BLU-BIB (Break-In Box) Input Expander



BLU-BIB Front



BLU-BIB Rear

OVERVIEW:

The Soundweb London BLU-BIB or "break-in box" offers 8 channels of analog audio input expansion via the Soundweb London high bandwidth, fault tolerant digital audio bus.

This expander features a low latency, fault tolerant digital audio bus of 256 channels which uses standard Category 5e cabling giving a distance of 100m between compatible devices. The BSS Audio MC-1 fiber optic media converter can be used to increase the distance between devices to over 10km (6.2 miles) using single mode fiber.

The BLU-BIB input channels are easily configured by six DIP switches located on the rear of the device, which select consecutive channels in groups of eight. This simple configuration allows assignment to any 8-channel range within the 256 channels available on the digital audio bus. Input channel assignments are configured by DIP switch selection only. The BLU-BIB is not configured by HiQnet™ London Architect. Each channel's input gain and Phantom Power are adjusted using buttons on the front panel.

The 8 analog mic/line level inputs utilize the same terminal block connectors as the other members of the Soundweb London family.

Signal present, clip, and Phantom Power per channel are displayed by front panel LED indicators. The front panel also contains a power status and applied gain LED indicators.

The BLU-BIB operates in three different modes, which are entered and exited via the front panel controls. Edit Mode allows the user to adjust each channel's input gain and Phantom Power. Normal Mode prevents the user from changing input gain or Phantom Power. Stealth Mode prevents the same changes from occurring, but without LED illumination (except power).

The chassis is a half rack wide and can be rack mounted using the BSS Audio 1U Rack-Mount Kit. It can also be under-table mounted or wall mounted using the included mounting brackets.

The BLU-BIB break-in box input expander is powered by a 12V DC adapter which is included with the device.

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

KEY FEATURES:

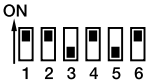
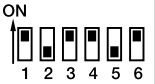
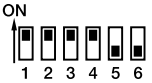
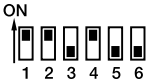
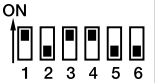
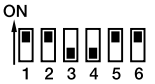
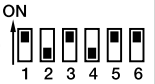
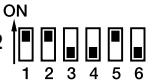
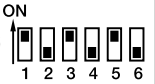
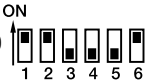
- 8 Analog Audio Inputs
- Standard Terminal Block Connectors for Analog Audio Connections
- DIP Switches for Channel Range Selection
- Front Panel Input Gain and Phantom Power Control
- Front Panel Lockout for Tamper-Free Operation
- Front Panel "Stealth" Mode for Inconspicuous Operation
- 256 Channel, Low Latency, Fault Tolerant Digital Audio Bus
- Clear Front Panel LED Indication
- 12V DC External Power Adapter (included)
- Terminal Block Connectors for Power Connection
- Half Rack Width, Desk Mount or Wall Mount Chassis
- 1U Rack-Mount Kit available separately

Soundweb™ London BLU-BIB (Break-In Box)

TECHNICAL SPECIFICATIONS:

Front Panel LED Indicators:	Signal Preset/Clip (per input), 48V (per input), Gain (0/6/12/18/24/30/36/42/48dB), and Power
Analog Inputs:	8 electronically balanced on Phoenix/Combicon removable screw connectors
Mic/Line Inputs:	Nominal gain 0dB, electronically switchable up to +48dB, in 6dB steps
Input Impedance:	3.0kOhm
Maximum Input Level:	+20dBu with 0dB input gain, +8dBu with 12dB gain
CMRR:	>40dB at 1kHz
Input Noise (E.I.N.):	<-123dBu typical with 150 Ohms source
Phantom Power:	48V nominal, selectable per input
A/D Latency	37/Fs [0.77ms@48k, 0.39ms@96k]
Digital Audio Bus:	
Connectors:	2 x RJ45 Ethernet connectors
Maximum Cable Length:	100m/300ft on Category 5e cable between devices
Maximum Number of Nodes:	60
Latency:	11/Fs [0.23ms@48k, 0.11ms@96k]
Pass Through Latency:	4/Fs [0.08ms@48k, 0.04ms@96k]
Power and Dimensions:	
Mains Voltage:	12V DC external power supply included
AC Power Input to Adapter:	19W
BTU Rating:	<65 BTU/hr
Operating Temperature Range:	0º to 45º C (32º to 113º F)
Dimensions (H x W x D):	1.65″ x 8.63″ x 7.75″ (42mm x 219mm x 197mm)
Weight:	2.96lbs / 1.34kg

Channel Assignment

CHANNELS	DIP SWITCH SETTINGS	CHANNELS	DIP SWITCH SETTINGS	CHANNELS	DIP SWITCH SETTINGS	CHANNELS	DIP SWITCH SETTINGS
1 to 8		65 to 72		129 to 136		193 to 200	
9 to 16		73 to 80		137 to 144		201 to 208	
17 to 24		81 to 88		145 to 152		209 to 216	
25 to 32		89 to 96		153 to 160		217 to 224	
33 to 40		97 to 104		161 to 168		225 to 232	
41 to 48		105 to 112		169 to 176		233 to 240	
49 to 56		113 to 120		177 to 184		241 to 248	
57 to 64		121 to 128		185 to 192		249 to 256	

Note: Lowest channel of 8 channel range is always input 1 of BLU-BIB