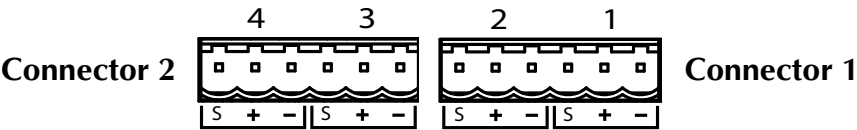


Soundweb™ London

Analog Input/Output Cards



OVERVIEW:

The Soundweb London Analog Input and Analog Output Cards are designed to populate any of the four card slots on Soundweb London BLU-800, BLU-320, BLU-160, BLU-120, BLU-80, BLU-32 and BLU-16 devices. These analog cards enable Soundweb London devices to send line level signals and receive microphone / line level signals.

The Soundweb London Analog Input Cards offer Phantom Power, configurable per channel and software controlled analog gain in 6dB steps from 0dB to 48dB.

The Analog Cards each have two Combicon connectors which are used as follows:

ANALOG INPUT CARD:

- **Connector 1**
 - Balanced / Unbalanced Audio, Channel 1 - Mic/Line
 - Balanced / Unbalanced Audio, Channel 2 - Mic/Line
- **Connector 2**
 - Balanced / Unbalanced Audio, Channel 3 - Mic/Line
 - Balanced / Unbalanced Audio, Channel 4 - Mic/Line

Connector	[Mic/Line Combicon]		[Mic/Line Combicon]	
Signal	4	3	2	1
Pin	[S + -]	[S + -]	[S + -]	[S + -]

Balanced	Hot: to + Cold: to - Shield: to S	Unbalanced	Hot: to + Link to Shield: to - Shield: to S
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ANALOG OUTPUT CARD:

- **Connector 1**
 - Balanced / Unbalanced Audio, Channel 1 - Line
 - Balanced / Unbalanced Audio, Channel 2 - Line
- **Connector 2**
 - Balanced / Unbalanced Audio, Channel 3 - Line
 - Balanced / Unbalanced Audio, Channel 4 - Line

Connector	[Line Combicon]		[Line Combicon]	
Signal	4	3	2	1
Pin	[S + -]	[S + -]	[S + -]	[S + -]

Balanced	Hot: to + Cold: to - Shield: to S	Unbalanced	Hot: to + Link to Shield: to - Shield: to S
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TECHNICAL SPECIFICATIONS:

Analog Inputs:	Up to 4 electronically balanced on Phoenix/Combicon removable screw connectors
Mic/Line Inputs:	Nominal gain 0dB, electronically switchable up to +48dB, in +6dB steps
Input Impedance:	3.5kΩ
Maximum Input Level:	+20dBu with 0dB input gain, +8dBu with 12dB gain
CMRR:	>75dB at 1KHz
Input Noise (E.I.N.):	<-128dBu typical with 150Ω source
Phantom Power:	48V nominal, selectable per input
A/D Latency (Rev. A):*	41/Fs [0.85ms@48k, 0.43ms@96k]
A/D Latency (Rev. B):	12/Fs [0.25ms@48k, 0.13ms@96k]
Analog Outputs:	Up to 4 electronically balanced on Phoenix/Combicon removable screw connectors
Maximum Output Level:	+19dBu
Output Impedance:	40 Ohms balanced, 20 Ohms unbalanced
Frequency Response:	20Hz-20KHz (+0.5dB/-1dB)
THD:	<0.01% 20Hz to 20KHz, +10dBu output
Dynamic Range:	108dB typical, 22Hz-22KHz unweighted
Crosstalk:	<-75dB
D/A Latency:	28/Fs [0.58ms@48k, 0.29ms@96k]

*Rev. A Analog Input Cards are no longer shipping.

To identify the revision of a given Analog Input Card (either Rev. A or Rev. B), remove the card from the chassis and refer to the sticker with a printed barcode. The first letter following the number "1203" corresponds to the revision. See diagram below.

