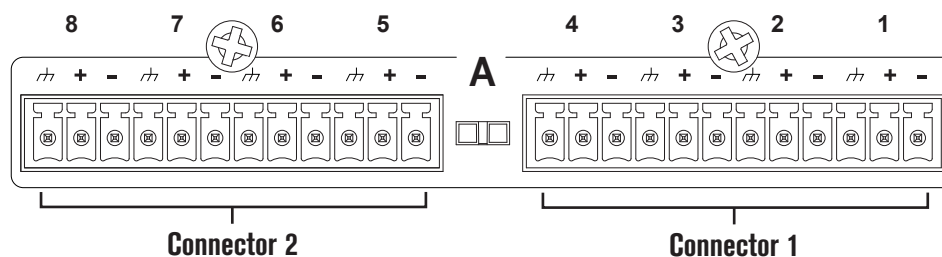


# SC 32 and SC 64

## Analog Input/Output Cards



**OVERVIEW:**

The dbx SC 32 and SC 64 Analog Input and Analog Output Cards are designed to populate any of the card slots on dbx SC 32 and SC 64 devices. These analog cards enable dbx SC devices to send line level signals and receive microphone / line level signals.

The dbx SC 32 and SC 64 Analog Input Card offers Phantom Power, configurable per channel and software controlled analog gain in 6dB steps from 0dB to 48dB.

The Analog Cards each have two 3.5mm Combicon connectors which are used as follows:

**ANALOG INPUT CARD:**

• **Connector 2**

- Balanced / Unbalanced Audio, Channel 5 - Mic/Line
- Balanced / Unbalanced Audio, Channel 6 - Mic/Line
- Balanced / Unbalanced Audio, Channel 7 - Mic/Line
- Balanced / Unbalanced Audio, Channel 8 - Mic/Line

• **Connector 1**

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

<b>Connector</b>	[Mic/Line Combicon]			
<b>Signal</b>	8	7	6	5
<b>Pin</b>	[S + -]	[S + -]	[S + -]	[S + -]

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

**Balanced** Hot: to +  
Cold: to -  
Shield: to S

**Unbalanced** Hot: to +  
Link to Shield: to -  
Shield: to S

**ANALOG OUTPUT CARD:**

• **Connector 2**

- Balanced / Unbalanced Audio, Channel 5 - Line
- Balanced / Unbalanced Audio, Channel 6 - Line
- Balanced / Unbalanced Audio, Channel 7 - Line
- Balanced / Unbalanced Audio, Channel 8 - Line

• **Connector 1**

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

<b>Connector</b>	[Line Combicon]			
<b>Signal</b>	8	7	6	5
<b>Pin</b>	[S + -]	[S + -]	[S + -]	[S + -]

	[Line Combicon]			
	4	3	2	1
	[S + -]	[S + -]	[S + -]	S + -

**Balanced** Hot: to +  
Cold: to -  
Shield: to S

**Unbalanced** Hot: to +  
Link to Shield: to -  
Shield: to S



## SC 32 and SC 64 Analog Input/Output Cards

### TECHNICAL SPECIFICATIONS:

#### Analog Inputs:

Connectors:	Phoenix/Combicon, 3.5mm pitch
Channels:	Eight per card
Mic/Line Inputs:	Nominal gain 0 dB, Electronically switchable to +6, +12, +18, +24, +30, +36,+42, +48 dB
Type:	Electronically balanced, RF Filtered
Input Impedance:	3.5 k $\Omega$
Maximum Input Level:	+20 dBu
Noise Floor:	-92 dBu "A" weighted, -90 dBu unweighted, 20 Hz – 20 kHz
Dynamic Range:	113 dB "A" weighted, 20 Hz – 20 kHz, 110 dB unweighted, 20 Hz – 20 kHz
CMRR:	> 40 dB typical, >50 dB at 1 kHz
EIN:	< -119 dBu unweighted, 20 Hz – 20 kHz, 150 W source impedance
Phantom Power:	+48 VDC selectable per input
A/D Latency:	12/Fs

#### Analog Outputs:

Connectors:	Phoenix/Combicon, 3.5mm pitch
Channels:	Eight per card
Type:	Electronically balanced, RF Filtered
Impedance:	44 $\Omega$
Maximum Output Level:	+20 dBu
Noise Floor:	-92 dBu "A" weighted, -89 dBu unweighted, 20 Hz – 20 kHz
Dynamic Range:	112 dB "A" weighted, 109 dB unweighted, 20 Hz – 20 kHz
D/A Latency:	10.4/Fs