

Sescom NLBSB 1:2 Series Datasheet

DESCRIPTION:

The Sescom SES-NLBSB stage boxes are compact, rugged speaker signal distribution units equipped with Neutrik NL4 speakON connectors. The 1:2 configuration features a male NL4 speakON input with a durable yet flexible Canare 14/4 cable pigtail, which is split and/or broken out into 2 male Neutrik NL4 speakON chassis connectors, enabling simple yet versatile signal distribution.

Sescom Tech Note: NL4 chassis connectors are fully compatible, supporting both 4-pole NL4 and 2-pole NL2 speakON connectors. speakON is NOT to be used as an AC mains or power supply connector!

A SES-NLBSB stage box can be a breakout, splitter, and/or parallel.

- Anything that breaks a multi-channel connector to multiple individuals (ch 1- 4 on input to ch 1, ch 2, ch 3, + ch 4) is a BREAKOUT
- Anything where the same connection config is repeated on multiple connectors (i.e. Ch 1+2, Ch 1+2 outs) is a SPLITTER
- Having two of the same channels on one connector (Ch 1 + Ch 1) is considered PARALLEL

A SES-NLBSB stage box can be one, two, or all three of these.

FEATURES:

- High-Quality Neutrik speakON Connectors
- Designed for Heavy-Duty Amplifier-Loudspeaker Applications
- Rugged and Durable Aluminum Housing
- Rugged yet Flexible Canare 4S11 4 Conductor Speak Cable
- Precise Keyway for Secure Mating with Twist Lock Latching System

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Part Number	Input	Output	Output 1	Output 2	Output 3
SES-NLBSB-01	x 1 speakON NL4 (Channels: 1+2)	x2 speakON NL4	1+2	1+2	1+2
SES-NLBSB-02	x 1 speakON NL4 (Channels: 1+2)	x2 speakON NL4	1+2	1+1	2+2
SES-NLBSB-03	x1 speakON NL4 (Channels: 1+2)	x2 speakON NL4	1+2	1+2	2+1



SES-NLBSB-01



SES-NLBSB-02



SES-NLBSB-03

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SPECIFICATIONS:

Overall Specifications

- **Aluminum Housing with Cord Grip:** 5.5" x 2.06" x 1.23"
- **Input:** 1 Male Neutrik NL4 speakON Chassis Connector
- **Outputs:** 2 Male Neutrik NL4 speakON connectors

Neutrik NL4 speakON Connectors:

- **Contact Resistance:** $\leq 2 \text{ m}\Omega$
- **Dielectric Strength:** 2.8 kVac
- **Insulation Resistance:** $>0.1 \text{ G}\Omega$
- **Rated Voltage:** 250 V ac
- **Lifetime:** > 5000 mating cycles
- **Locking Device:** Quick Lock
- **Cable Connector Protection:** IP 54 (mated condition)

Canare 4S11 Speaker Cable:

- **Nom. OD:** 0.421in (10.7mm)
- **Jacket Material:** PVC
- **Jacket Thickness:** 0.047in (1.2mm)
- **Number of Conductors:** 4
- **Conductor AWG:** 20
- **Pitch of Quad:** $<4.73\text{in}$ ($<120\text{mm}$)
- **Insulation Material:** PE
- **Insulation Thickness:** 1.08in (27.6mm)
- **Insulation Resistance:** $>1000\text{M}\Omega$
- **Dielectric Strength:** 500V AC
- **Nom. Capacitance between Conductors:** 45 pF/ft
- **Conductor DCR:** 2.6 $\Omega/1000\text{ft}$
- **Brittle Point:** -56°F (-49°C)