



RDL®
Radio Design Labs

SPECIALISTS IN PRACTICAL PRECISION ENGINEERING™

STICK-ON® SERIES

Model ST-SX4

4 Input Audio Switcher

- Select One of Four Unbal. Audio Sources
- Audio Selection from Remote Location
- Remote Switching from Single Control Pair
- All Solid-State Audio Switching
- Slave Capability for Stereo Switching



The ST-SX4 is a remote-controllable unbalanced audio source selector in the group of STICK-ON series products by Radio Design Labs. These products are designed for quick, convenient installation and reliable operation in a variety of audio applications. STICK-ONS are designed, built and rated for continuous duty in professional A/V systems.

APPLICATION: The ST-SX4 accepts up to Four unbalanced audio sources. Any of these sources may be selected to feed the output, or all sources may be switched off. The output from the ST-SX4 is unbalanced. Control of the module is accomplished through a single input terminal. Connection of a specified resistance between the control input and ground causes the desired input to be switched on. If no control input is connected, the ST-SX4 defaults to input #4. If the control input is shorted to ground, all inputs are switched off.

Use of a single-pair for control allows a minimum of wire to be installed. Installers may use a variety of remote switches; rotary, pushbutton, toggle, etc. The three resistors needed are provided with the module. The ST-SX4 may conveniently be used with the RDL VCA modules to provide both remote switching and remote volume control. In this case, it is necessary to provide only a single-pair-shielded to control both modules (1 conductor to control the ST-SX4, 1 conductor to control the RDL VCA modules, shield to provide control ground path). Two ST-SX4 modules may be used together for stereo switching.

In a wide variety of unbalanced audio switching applications, ST-SX4 affords minimum size, maximum flexibility, low-noise audio clarity and cost-effectiveness for which Radio Design Labs products are known!

Wherever an unbalanced source selector is needed, the ST-SX4 is the ideal choice. Use the ST-SX4 individually, or combine it with other RDL products as part of a complete audio/video system.

STICK-ON[®] SERIES

Model ST-SX4

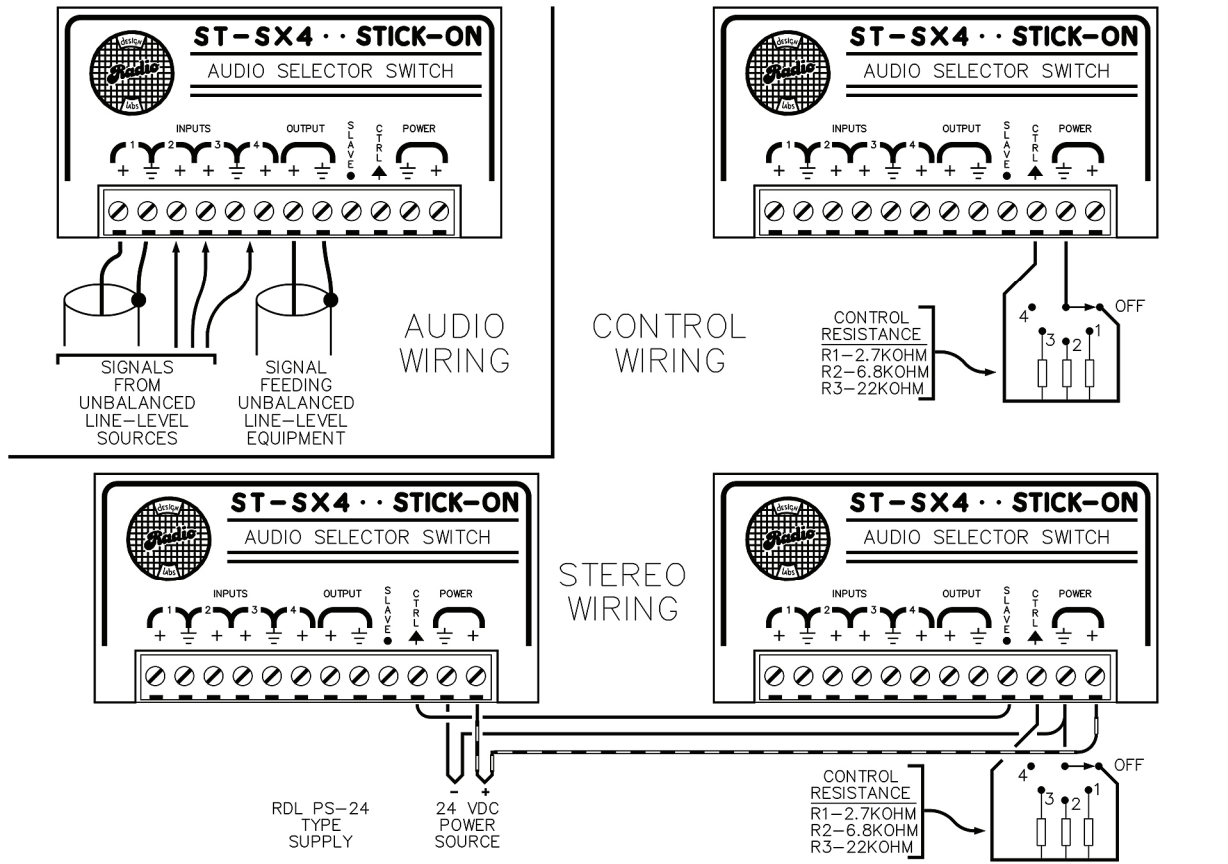
4 Input Audio Switcher

Installation/Operation



EN55103-1 E1-E5; EN55103-2 E1-E4

Typical Performance reflects product at publication time exclusive of EMC data, if any, supplied with product. Specifications are subject to change without notice.



TYPICAL PERFORMANCE

AUDIO

Input and Output Level:	-10 dBV
Gain:	Unity
Headroom:	23 dB
THD+N:	< 0.1% Typ. 0.05%
Frequency Response:	15 Hz to 40 kHz (± 0.5 dB)
Input Impedance:	100 kΩ, unbalanced
Output Impedance:	< 50 Ω, unbalanced
Crosstalk:	Below noise floor
Off-Channel Attenuation:	> 85 dB @ 1 kHz > 80 dB @ 10 kHz > 75 dB @ 20 kHz < -70 dB (referred to -10 dBV)

Residual Noise:

CONTROL

Control Input Resistance:	10 kΩ (pullup to +15 Vdc)
Control Input:	Single terminal to be connected to ground terminal to select desired channel.
Input Selected	Resistance Value
None	0 Ω (short to GND)
1	2.7 kΩ
2	6.8 kΩ
3	22 kΩ
4	None
Ambient Operating Environment:	0° C to 55° C
Power Requirement:	GROUND-REFERENCED, 24 Vdc @ 45

Radio Design Labs Technical Support Centers

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