STICK-ON® SERIES
Model ST-SX4
4 Input Audio Switcher

ANYWHERE YOU NEED...

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

You Need The ST-SX4!

APPLICATION: 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.

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 combined with other RDL RACK-UP®, STICK-ON, TX™, or FLAT-PAK™ series products as part of a complete audio/video system.
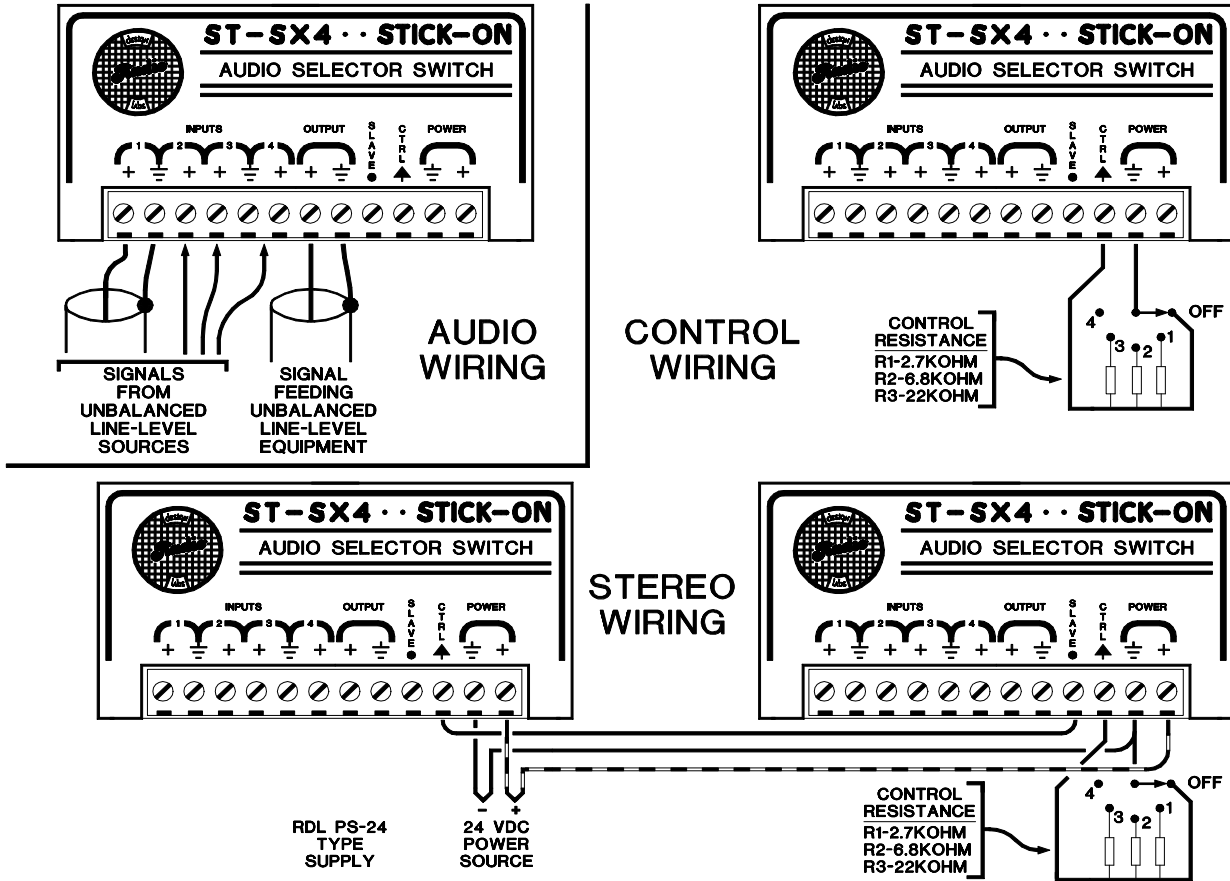
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Installation/Operation

CE

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.

ST-SX4 · · STICK-ON
AUDIO SELECTOR SWITCH
INPUTS   OUTPUT   SLAVE   CTRL   POWER

AUDIO WIRING

SIGNALS FROM UNBALANCED LINE-LEVEL SOURCES

SIGNAL FEEDING UNBALANCED LINE-LEVEL EQUIPMENT

ST-SX4 · · STICK-ON
AUDIO SELECTOR SWITCH
INPUTS   OUTPUT   SLAVE   CTRL   POWER

CONTROL WIRING

CONTROL RESISTANCE
R1-2.7KOHM
R2-6.8KOHM
R3-22KOHM

OFF
4 3 2 1

ST-SX4 · · STICK-ON
AUDIO SELECTOR SWITCH
INPUTS   OUTPUT   SLAVE   CTRL   POWER

STEREO WIRING

ST-SX4 · · STICK-ON
AUDIO SELECTOR SWITCH
INPUTS   OUTPUT   SLAVE   CTRL   POWER

RDL PS-24 TYPE SUPPLY

24 VDC POWER SOURCE

CONTROL RESISTANCE
R1-2.7KOHM
R2-6.8KOHM
R3-22KOHM

OFF
4 3 2 1

TYPICAL PERFORMANCE

Input/Output Level:	-10 dBv
Control Input Resistance:	10 kΩ (pullup to +15 Vdc
Gain:	Unity
Headroom:	23 dB
THD+N:	< 0.1% Typ 0.05%
Frequency Response:	15 Hz - 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
Residual Noise:	<70 dB below -10 dBv
Control Input:	Single terminal to be connected to ground terminal to select desired channel

Input Selected	Resistance Value
None	0 Ω (short to ground)
1	2.7 kΩ
2	6.8 kΩ
3	22.0 kΩ
4	None

Control Output:	Slave Output terminal may be attached to other ST-SX4s
Power Supply:	24 to 33 Vdc @ 35 mA, Ground-referenced