



# SX21 TINY TWO-WAY CROSSOVER



SPECIFICATIONS	
Input Impedance:	10K $\Omega$
Output Impedance:	1K $\Omega$
Headroom:	+10 dBV
Power Requirements:	12 - 16 VDC, 150 mA; Rolls part number PS27
Size:	4.25" x 3.625" x 1.5"
Weight:	1 lb.

Owners Manual

## LIMITED WARRANTY

This product is warranted to the original consumer purchaser to be free from defects in materials and workmanship under normal installation, use and service for a period of one (1) year from the date of purchase as shown on the purchaser's receipt.

The obligation of Rolls Corporation under this warranty shall be limited to repair or replacement (at our option), during the warranty period of any part which proves defective in material or workmanship under normal installation, use and service, provided the product is returned to Rolls Corporation, TRANSPORTATION CHARGES PREPAID. Products returned to us or to an authorized Service Center must be accompanied by a copy of the purchase receipt. In the absence of such purchase receipt, the warranty period shall be one (1) year from the date of manufacture.

This warranty shall be invalid if the product is damaged as a result of defacement, misuse, abuse, neglect, accident, destruction or alteration of the serial number, improper electrical voltages or currents, repair, alteration or maintenance by any person or party other than our own service facility or an authorized Service Center, or any use violative of instructions furnished by us.

This one-year warranty is in lieu of all expressed warranties, obligations or liabilities. ANY IMPLIED WARRANTIES, OBLIGATIONS, OR LIABILITIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED IN DURATION TO THE ONE YEAR DURATION OF THIS WRITTEN LIMITED WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

IN NO EVENT SHALL WE BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, WHATSOEVER. Some states do not allow the exclusion or limitation of special, incidental or consequential damages so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

## SX21

### Tiny Two-Way Crossover

The SX21 is a unique frequency dividing device for small sound reinforcement applications. The unit features a 24 dB/Octave rolloff rate, a frequency dividing range of 50Hz to 2.5kHz, and an external power supply for noise reduction. All this in a compact package with a compact price.

- 24 dB/Octave rolloff
- 1/4" unbal. Input and Outputs
- 50Hz to 2.5 kHz crossover range (may be factory modified)
- External power supply for low noise operation



Rolls Corporation  
Salt Lake City, UT  
8/01



## INTRODUCTION

Thank you for your purchase of the SX21 Tiny Two-Way Crossover. Please review this manual to get the best performance from this unit.

## DESCRIPTION

### FRONT PANEL



**INPUT:** Adjusts the input level to the SX21.

**FREQUENCY:** Selects the crossover frequency from 50Hz to 2.5kHz.

**LOW LEVEL:** Adjusts the amount of output signal from the LOW OUT jack.

**HIGH LEVEL:** Adjusts the amount of output signal from the HIGH OUT jack.

**CLIP LED:** Indicates overload in the SX21. This LED lights 3 dB before actual circuit clipping occurs.

**PWR LED:** Indicates the SX21 power supply is connected to the unit and an AC outlet.

### REAR PANEL

(Note: The rear panel jacks are labeled on the top of the unit.)

**INPUT:** 1/4" TS unbalanced jack for connecting to the output of a mixer or other device containing the signal to be divided.

**LOW OUT:** 1/4" TS unbalanced jack containing the signal of frequencies *below* the crossover frequency.

**HIGH OUT:** 1/4" TS unbalanced jack containing the signal of frequencies *above* the crossover frequency.



**DC IN:** For connection to an external power supply, 12-16 volts DC, 150 mA; Rolls model PS27.

## OPERATION.

Connect the Input of the SX21 to the output of a mixer or other device that has the signal to be divided. The High and Low Outputs of the SX21 should be connected to the proper amplifier and speaker combination. Check speaker specifications to ensure that the speakers are receiving the proper frequencies. Shown below is an example for connecting the SX21.

