

# ROLLS

Rolls Corporation  
Salt Lake City, UT  
9/18

## What's in the box?

- 1 - Made in USA SX45
- 1 - 15V power supply PN PS27s
- 1 - This owners manual

## REAR PANEL

(Note: The rear panel jacks are labeled on the top of the unit.)  
INPUT: Dual RCA jacks for connecting to the output of a mixer or other device containing the signals to be divided.  
HIGH OUT: Dual RCA jacks containing the signal of frequencies above the crossover frequency.  
LOW OUT: Dual RCA jacks containing the signal of frequencies below the crossover frequency.  
MONO LOW OUT: Dual RCA jacks with a mono, combined signal from the stereo Low Out jacks.  
DC IN: For connection to the Rolls model PS27s.

Connect the inputs of the SX45 to the output of a mixer or other device containing the stereo signal to be divided. This signal should be Line-Level, or reference 0 to +4 dB. The High and Low Outputs should be connected to the proper amplifier and speaker combination.  
Set all SX45 Levels to zero. Begin by applying signal from the mixer/signal source to the SX45. Carefully increase the Input Level until you see the Clip LED begin to blink. Slightly reduce the Input Level from this point. This should insure a proper input signal level without clipping, thereby giving you the best noise performance.  
Set your amplifiers to their normal operating level (many amplifiers are simply set at their full volume level). Carefully begin increasing the SX45 High and Low Level controls until you reach a desired and balanced volume level.

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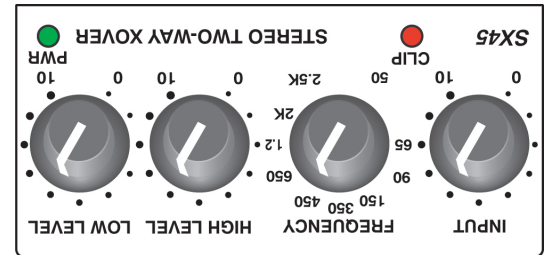
## SX45 Stereo Two-Way Crossover

- 12 dB/Octave roll off
- Stereo RCA Input and Outputs
- 50Hz to 2.5 kHz crossover range
- Mono Sub Output

### SPECIFICATIONS:

Input Impedance:	10K Ohm
Output Impedance:	1K Ohm
Headroom:	+10 dBV
Power Requirements:	12 - 15 VDC, 150-500 mA; Rolls part number PS27s
Size:	4.25" x 3.625" x 1.5"
Weight:	1 lb.

## Connection guide



DESCRIPTION  
FRONT PANEL

The SX45 is a unique frequency dividing device for sound reinforcement applications. The unit features a 12 dB/Octave roll off rate, a frequency dividing range of 50Hz to 2.5kHz, and an external power supply for noise reduction.

INPUT: Adjusts the input level to the SX45.  
FREQUENCY: Selects the crossover frequency from 50Hz to 2.5kHz.  
LOW LEVEL: Adjusts the amount of output signal from the LOW Out jacks.  
HIGH LEVEL: Adjusts the amount of output signal from the HIGH Out jacks.  
CLIP LED: Indicates overload in the SX45. This LED lights 3 dB before actual circuit clipping occurs.  
PWR LED: Indicates the SX45 power supply is connected to the unit and an AC outlet.