

RP221 Bottom Feeder

The RP221 Bottom Feeder is a crossover, subsonic synthesizer, and sonic exciter, designed mainly for the DJ and karaoke markets. The outputs are not only separate high and low frequencies, but enhanced for crystal clear highs and lows worthy of Richter scale measurements. You get complete control over the tone of your sound.

THE ROLLS SONIC EXCITER - SCE PROCESSING

The human ear can detect a frequency range of roughly 20Hz to 20kHz. However, the frequency response that a normal speaker can effectively reproduce is much, much less. Additionally, speakers add distortion and phase changes that make the sound quite different from that of the original material.

A sonic exciter restores clarity and presence to the processed signal by correcting phase changes and harmonic structure differences. In other words, it puts the components of the sound back where they belong.

All of this magic is done by the use of all-pass filtering, frequency compensated gain adjustment, and compensated frequency domain delay. What this means to you is the elements of your sound are fanned out like a deck of cards, making each sound more audible and distinct, reducing the need for high volume and radical equalizer adjustment.

THE ROLLS SUB-OCTAVE SYNTHESIZER

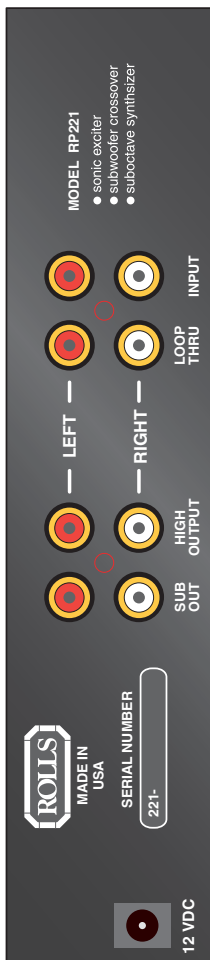
Specially designed circuitry for the sole purpose of adding ultra low-end to the sound is included in the RP221. The Sub-Octave Synthesizer divides the low frequency portion of the signal (the frequencies below the crossover point) in half, providing an extreme bass sound.

FEATURES

- Stereo RCA Inputs
- Stereo RCA Loop-through jacks
- Variable Crossover
- ROLLS SCE Processed Sonic Exciter
- ROLLS Sub-octave synthesizer
- Unbalanced RCA Outputs
- External PS27 power supply (included) for low noise operation

SPECIFICATIONS

Frequency Response:	20Hz to 40kHz
Input Impedance:	10K Ω unbalanced
THD + Noise:	<0.07% typical
Noise Floor:	-78 dB
Indicators:	Power LED Clip LED
Crossover Frequencies:	Variable from 25 - 140 Hz
Input/Output jacks	4: Stereo RCA jacks
Dimensions:	
Weight:	4 lbs.
Power:	12 VDC (Rolls Model PS27)



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