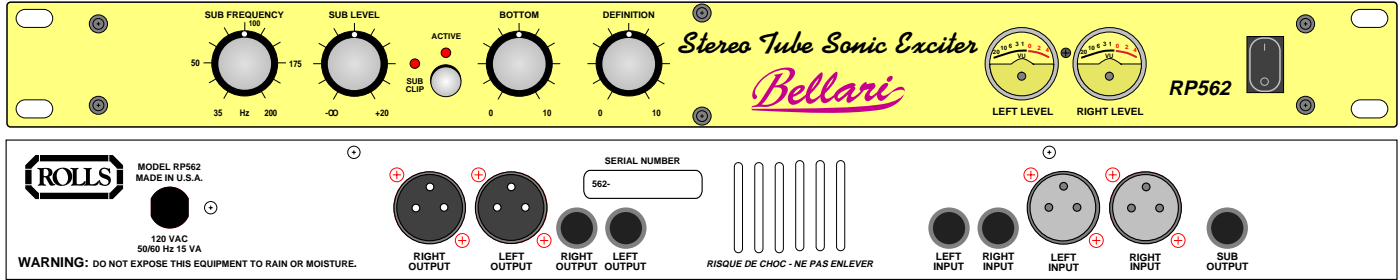


# Bellari

## RP562 Stereo Tube Sonic Exciter



The RP562 Stereo Tube Sonic Exciter is a two channel frequency compensation device designed to add life and animation to your sound.

### FEATURES:

- All tube gain circuitry with proper high-voltage plate voltages
- Solid state input and output buffering only
- 1/4" and XLR inputs and outputs
- Adjustable 18 dB/Octave Subwoofer filter
- Calibrated analog meters - indicate process levels
- Internal Power Supply
- Smooth, lively tube sound
- Automatic Sound Separation
- Precise control over low frequencies (bottom)
- Restores the signal's clarity and definition which were lost in previous electronic devices

### WHAT IS A SONIC EXCITER, AND WHY USE TUBES?

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

Using a vacuum tube circuit in this configuration not only restores the clarity lost in previous processes, it adds warmth and a slightly compressed attribute to the program material. This addition to the sonic excitement process makes the final sound even larger, cleaner, and clearer.

All of this magic is done by the use of all-pass filtering, frequency compensated gain adjustment, and frequency compensated 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.

And there's more. Because of the unique tube design, the RP562 also has the benefit of natural tube compression. This makes a more realistic and pleasing sound. Also because of the all class "A" design, there is enhanced second harmonic content, making the RP562 even more smooth and musical. Class "A" circuits also eliminate time constants which cause unwanted "breathing" and "pumping" effects.

The RP562 performs all the necessary functions of psychoacoustic enhancement, but with the addition of tube circuits, the unit becomes a must for any musician, studio owner, or sound technician.

### SPECIFICATIONS

Frequency Response	20 Hz - 40 kHz
Input Impedance	10K $\Omega$ balanced 10K $\Omega$ unbalanced
THD + Noise	<0.7% typical
Noise Floor	-90 dB
Indicators	Power LED Active LED 2: 5-segment LED level meters Sub Clip LED
Input/Output jacks	XLR balanced 1/4" unbalanced
Dimensions	1.75" x 6" x 19" (89mm X 162mm X 482mm)
Weight	6 lbs. (2.72 Kg)
Power	120VAC (230VAC) 15VA

# Bellari

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