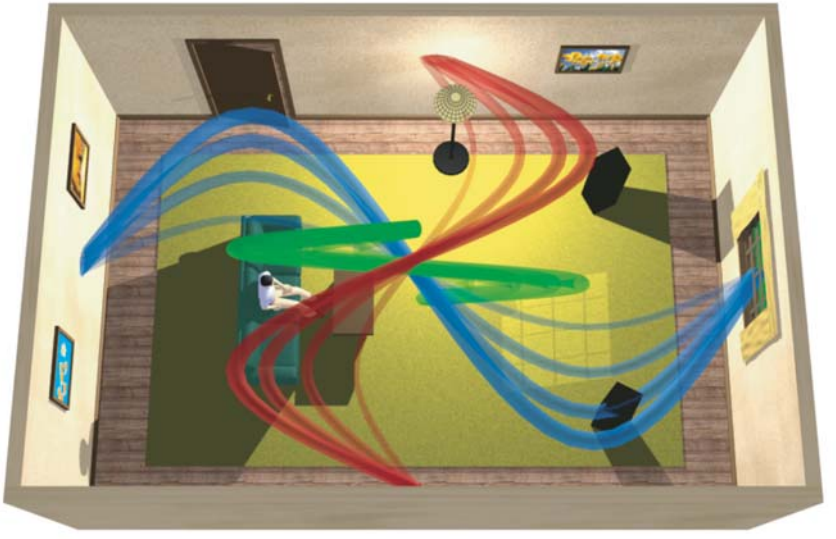
SO YOU FINALLY HAVE YOUR GOLDEN SOUND SYSTEM.

IT'S YOUR LISTENING ROOM THAT'S THE PROBLEM.

Remember auditioning each and every component of your sound system? Admit it. The experience was nothing less than ethereal. Now that you're set up, there's something else to consider – the one component that perhaps wasn't hand-picked. Your room.

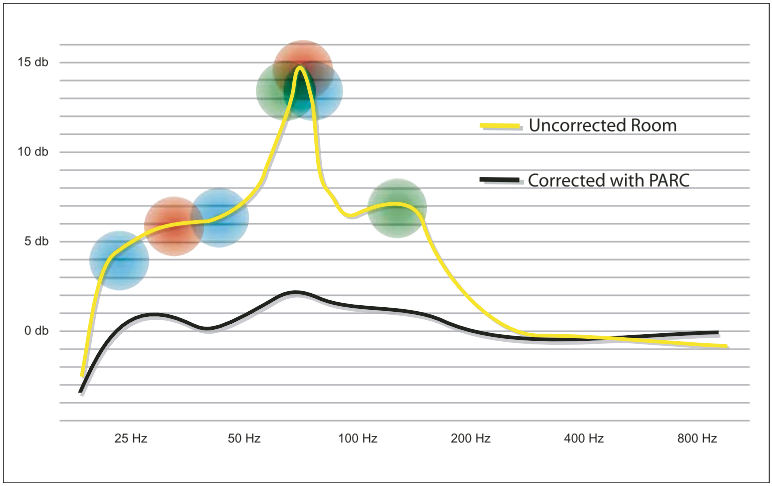
ROOM MODES. THE ENEMY.

Room modes interfere with good sound. These occur when any multiple of the sound wavelength is equal to the distance between two parallel surfaces. Put simply, all parallel walls in a room and the distance between them can accentuate certain frequencies. What's worse, is that room modes can interact and even conflict with each other.



Axial room modes have the most significant effect on sound and are used in this example of a 24' x 16' x 8' room. Illustrated above, is the 2nd axial mode in height, width and length.

THE PARC.
ROOM MODE ERADICATOR.



This graph shows the bass response of the 24' x 16' x 8' room. The colored circles identify the 1st, 2nd and 3rd axial room modes in height, width and length.

	1st axial mode	*2nd axial mode*	*3rd axial mode*
Height	***70 Hz***	*140 Hz*	*210 Hz*
Width	*35 Hz*	***70 Hz***	*105 Hz*
Length	*23.5 Hz*	*47 Hz*	***70.5 Hz***

In the two illustrations, poor sound is caused by the peaks around 70 Hz in all three dimensions of the room. This large peak will result in a boomy bass and overall poor clarity throughout the frequency range. Unlike mid and high frequencies, problems in the low range cannot be effectively attenuated with absorbers or diffusers. Multiple large bass traps or possibly Helmhotz resonators might seem like the answer, but expense and lack of flexibility make these less than ideal solutions.

Rives
AUDIO

800-959-6553 www.rivesaudio.com or e-mail info@rivesaudio.com

INTRODUCING PRACTICAL LISTENING ROOM CORRECTION.

The parametric adaptive room compensation system or PARC, attenuates frequencies that are accentuated by room modes – frequencies below 300 Hz. Engineered as a 2-channel, 3-band parametric notch filtering system, PARC offers the ability to independently program each band for center frequency, width of frequency and peak attenuation, as it tailors the bass performance of your room.

Because PARC operates in the analog domain only, the integrity of your system's signal is not sacrificed by A/D or D/A conversion. It's flexible, transportable and requires only a few minutes to set-up.

Following countless tests, the PARC has proven itself on a wide variety of systems. The PARC operates in conjunction with our BARE (Bass and Room Evaluator) software. This software uses a psycho-acoustic bass response curve which enables it to function similarly to the human ear. This method is far more accurate in measuring the perceived low frequency response than many highly rated MLS methods.

Don't settle for low-end sound from your high-end system any longer. Optimize bass performance. Be assured that your listening experience can comprise new found clarity and limitless detail throughout the frequency spectrum. And know that there's only one sensible way to get there – PARC.

Visit our room simulator at www.rivesaudio.com/PARC to see if your room would benefit from the PARC.

Specifications

Storage temperature: -40 to 250 degrees F

Operating temperature: 32 to 120 degrees F

Dimensions (inches): 17 W x 4 H x 12.5 D

Voltage: 100, 120, 220, 240 selectable

Power consumption: 140 W

Power cord: Detachable, standard IEC

Inputs: RCA and XLR, input impedance >100k ohms

Outputs: RCA and XLR, output impedance <10 ohms

Number of Channels: 2 channels (right and left)

Number of Bands per Channel: 3 bands per channel

User selectable parameters:

- Center Frequency: 16 Hz to 350 Hz, independent per band and channel
- Width Q: 1 to 10, independent per band and channel
- Attenuation Level: 0 to 18 dB, independent per band and channel

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HE'S LIKE SO MANY HOME THEATERS.

THEY LOOK AWESOME.

AND SOUND HORRIFYING.

Designing the aesthetics of a room is challenging enough. Balancing the sound in the room can be even more elusive.

The PARC Plus works in conjunction with the original PARC model by offering four additional channels of equalization as it utilizes the PARC's controls, display, memory and power supply. A total of six channels greatly enhances flexibility while adjusting a standard combination of left main, right main, center, left rear, right rear, and subwoofer. Also, custom configurations are possible for two center channels and/or multiple subwoofers, for example.

The award-winning PARC (top), with the PARC Plus (bottom), offers 6 channels of parametric equalization.

Specifications

Storage temperature: -40 to 250 degrees F
Operating temperature: 32 to 120 degrees F
Dimensions (inches): 17 W x 4 H x 12.5 D
Voltage: N/A powered from PARC
Power consumption: 50 W
Power cord: 6 pin XLR for power and communications
Inputs: RCA and XLR, input impedance >10k ohms
Outputs: RCA and XLR, output impedance <100 ohms
Number of Channels: 4 channels (configurable)
Number of Bands per Channel: 3 bands per channel

User selectable parameters:

- Center Frequency: 16 Hz to 350 Hz, independent per band and channel
- Width Q: 1 to 10, independent per band and channel
- Attenuation Level: 0 to 18 dB, independent per band and channel

Specifications subject to change without notice.

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