**RECOMMENDED APPLICATIONS AND INSTRUCTIONS**

**VALID POINTS: Resonance Control System**

Valid Points Resonance Control System combines the properties of a specially-formulated brass alloy to drain away internal vibrations - dramatically improving detail, dynamics, bass and transparency. With Valid Points, your components will be mass loaded to the discs to stabilize them and drain the energy into the discs where it is absorbed.

Valid Points will also isolate your component from high frequency vibrations emanating from the shelf. A sturdy equipment stand or rack is a must. Legs on steel stands should be filled with sand or lead shot. If the shelf shakes, it should be changed or reinforced. Valid Points are recommended for all components, even on air-suspended systems. Shelves made of marble, granite, glass and steel will transfer and exaggerate resonances and vibrations. Placing a hardwood top, such as a maple butcher block, on these shelves can help.

**RECOMMENDED APPLICATIONS**

**Digital Systems** - The transport or CD player and pre-amp are usually the most critical components of a digital audio system. In a video system, the video player and the processor are the most critical. You will achieve the most dramatic effect by treating both of these components with Valid Points first. Next, apply Valid Points to your D-to-A, followed by the amplifiers and speakers.

**Analog Systems** - Valid Points will improve the sound most effectively by treating the turntable, phono amp and pre-amp simultaneously. Then, apply Valid Points to your amplifier and speakers. (If the transformers are exposed, place two discs on top.)

**Remote Power Supplies** - These will benefit enormously from Valid Points. The effect will be as great, or even greater, than the effect on the component itself. If the transformers are exposed, use two of the ½ -inch discs or order the larger, optional 1-inch discs for the top of the transformers.

**Speakers** - Use the larger 2-inch Valid Points under the speakers, three per speaker stand. Valid Points are available threaded. Also, use the ½ -inch or 1-inch discs on top of the speakers to control cabinet vibrations.
PLACEMENT OF CONES AND DISCS
Don’t worry about where the manufacturer has placed the feet on the component. Usually, the feet are placed for convenience, not for controlling resonances. The real test is in the music.

Three Valid Points are recommended and should be positioned with the points down into the control discs. Try several configurations -- two in front and one in back, then try two in back and one in front. You will be able to hear the difference and there will be an optimum placement. The rough side of the resonance control disc always goes down.

EXAMPLES:
Power Amp with Transformers in Front:
Use two cones in front and one cone in back. Place the front cones approximately one to three inches in from the sides and the front. To obtain better loading for the one in the rear, locate it near the center and move it in approximately two to four inches from the rear.
Make sure there is a load on all three cones.

CD Transports, Players and Video Players:
Position one cone close to the drive for the CD and one cone under or close to the transformers. Place the remaining cone in the best position to stabilize the component. All the cones should be in from the sides a few inches to stabilize the bottom of the component.

On very light CD players and transports, you may achieve better sound by pointing one or two cones up. This will only be appropriate for very light components. On all other components, the points should go down.
Do not put anything between the top of a cone and your component. All discs are placed rough side down.

USING THE EXTRA DISCS
Each standard Valid Points Resonance Control kit comes with three cones and five discs. You will use three of the discs under three cones. The two remaining resonance control discs are to be placed on top of your component to control case vibrations and resonances. The discs should be placed near the center - usually about one to three inches apart. Remember: All discs are placed rough side down.

With the discs in place, tap lightly on the top of the component. Adjust the position of the discs until the high-pitched ringing is eliminated. If the top cover of your component is very large, you may need an extra disc or the heavier 1-inch resonance control discs which may be purchased separately. The Super Tuning Kit comes with four 1-inch control discs.

When the Valid Points are properly placed, you will hear a much deeper, wider, and more focused sound stage, faster dynamics, more detail and much better controlled bass. The improvement will be quite dramatic. Any changes you make now in your system, you will be able to hear immediately!

Happy Listening,
Lloyd Walker
FINE TUNING WITH VALID POINTS

VALID POINTS: Resonance Control System

Are you ready to discover the “magic” hidden in your high-end audio or video system? Please read this information completely before beginning to fine tune.

THE FRONT END

This is where the music begins. A very stable, resonance-free rack and platform are essential. A ½ inch or ¾ inch shelf is usually not stable enough and particle board (a common shelf material) is not a good choice. Also, soft or hard rubber supports under a shelf are a poor choice because they transfer and exaggerate resonances.

Make sure every shelf has weight on it. An empty shelf will vibrate. Two or three 1-inch Valid Point resonance control discs on an empty shelf work well. If the rack shakes, use one or two hardwood boards and brackets to connect your shelf to a stud in your wall.

Always place your resonance control disc with the rough side down. Here’s how to use Valid Points to fine tune your system’s most critical components.

ANALOG: Place two 1-inch control discs on the shelf under the center of the turntable. It usually helps to also place two 1-inch discs on the shelf on each side of the turntable. If possible, place two or more control discs on the turntable base. Listen to the music, use more or fewer discs, as needed.

DIGITAL: The transport or CD player should be treated first. Place one 1-inch discs on the shelf under the center of the component and one or two ½-inch discs on top of the component. Add each disc incrementally. Stop and listen to each new application. Use only what is needed.

VIDEO: The same rules apply for a video player as for a CD player, except be sure to also treat the processor. In general, the cases on video equipment are very prone to vibrations and so require more control discs on top and on the shelves. Your reward will be a much improved picture and better sound.

PRE-AMPS/PHONO AMPS: These components are very important to the sound of your system. Tap on the top covers and add extra control discs until the ringing stops or you hear no further improvement in sound. Try one or two 1-inch discs on the shelf under the center of the component and listen. If the unit has a remote power supply, it is essential to treat it with a full set of Valid Points cones and discs.
If you have a tube unit, use one of the extra discs from the set on the chassis, close to the tubes and, if possible, on top of the power transformers. This will reduce microphonics and improve the sound, adding an extra disc both \( \frac{1}{2} \) inch and 1-inch can make a dramatic improvement.

**POWER AMPS:** Depending on the size of the case, two to four control discs may be needed on top.

- **Tube Amps:** Place one or more 1-inch discs close to the tubes, especially the small tubes.
- **Power Transformers:** Only some will only require one \( \frac{1}{2} \)-inch disc on top. Others may require one or two 1-inch discs.

**ELECTRONIC CROSSOVERS:** These are just as critical as pre-amps. Treat them in the same way. In our experience, a better power cord can make a tremendous difference.

**EXTERNAL SPEAKER CROSSOVERS:** These can also benefit from Valid Points. Try placing at least two discs on top.

**SPEAKERS:** If possible, use three of the larger 2-inch cones under each speaker. Ideally, the cones can be mounted directly to it. If the speakers are on stands, try several discs between the speaker and the stand, near the center. If the speaker stand has a bottom shelf or cross supports, place several discs there. Finally, you’ll want to experiment with placing one to three 1-inch discs on top of your speakers. You’ll find that the entire sound stage will be improved.

**FINAL THOUGHTS ON FINE TUNING**

I realize that all these ideas can seem overwhelming, but keep in mind that you can begin with the critical components for your system and progress from there. And, of course, as you upgrade your system, you can remove the Valid Points and use them on your next component. They also cost much less than a good pre-amp and have a much greater effect!

No system that I know of can sound its best without Valid Points Resonance Control System. We recommend that you use complex music to do your fine tuning. If you have any questions, please call your dealer or us. We are here to help you to enjoy your music.

Happy Listening,
Lloyd Walker