

## Vandersteen Audio Set Up Data For 80 Hertz High— Pass Using the Original Vandertones Test Disc. (SUB THREE)

THE MOST IMPORTANT FIRST STEP IN THE SETUP IS SETTING THE 3DB DOWN POINT ACCORDING TO THE INPUT IMPEDANCE OF THE CUSTOMER'S (MAIN) AMPLIFIER. THIS PROCESS IS MORE ACCURATE. THAN LOOKING UP THE INPUT IMPEDANCE SPECIFICATION. TAKE ANY DIGITAL VOLTMETER SET TO AC VOLTS. WITH THE MAIN AMPLIFIER PROPERLY HOOKED UP TO THE MAIN SPEAKERS, VOLTMETER ACROSS THE BLACK AND RED OUTPUT TERMINALS. PLAY THE KENTO CARBON VANDERTONES TEST DISC TRACK 27 (1000HZ) ADJUST THE PREAMP VOLUME FOR EXACTLY 1 VOLT. PLAY TRACK 31 (80 HZ) AND THE VOLTAGE SHOULD BE .707 VOLTS. IF IT IS HIGHER THAN .707 ADJUST THE M5-HP CROSSOVER TO A HIGHER IMPEDANCE SETTING. IF THE VOLTAGE IS LESS THAN .707 ADJUST THE M5-HP TO A LOWER IMPEDANCE SETTING RUN THE PROCESS AGAIN ONCE YOU MAKE THE CHANGE TO VERIFY THAT THE IMPEDANCE SETTING IS CORRECT

-For all products using 80 Hz high-pass.  
 -Vandertones Disc is calibrated for a Radio Shack analog SPL meter set on 70 dB scale "C" weighting "FAST" response.  
 -woofer Level set "0" and Contour "1".  
 -SPL meter at the listening position ear level.

**For a Single SUB THREE, set the preamp to mono.** If there is no mono mode, then use a Y adaptor to send the left channel signal to both the preamp's left and right input. If you are setting stereo SUB THREES, you do not need to engage mono mode or have a Y adaptor, as each sub is set to its corresponding channel.

Vandertone Track Left Channel	+ — Reading compared to 70 dB	1/3 of Reading Target	Measured Outcome 1	Measured Outcome 2
Track 1 pot 1				
Track 2 pot 2				
Track 3 pot 3				
Track 4 pot 4				
Track 5 pot 5				
Track 6 pot 6				
Track 7 pot 7				
Track 8 pot 8				
Track 9 pot 9				
Track 10 pot 10				
Track 11 pot 11				

**Use the Right Channel Tracks only for a stereo SUB THREE setup.**

Vandertone Track Right Channel	+/- Reading compared to 70 dB.	1/3 of Reading Target	Measured Outcome 1	Measured Outcome 2
Track 16 pot 1				
Track 17 pot 2				
Track 18 pot 3				
Track 19 pot 4				
Track 20 pot 5				
Track 21 pot 6				
Track 22 pot 7				
Track 23 pot 8				
Track 24 pot 9				
Track 25 pot 10				
Track 26 pot 11				