

## Vandersteen KĒNTO Carbon X-Over and Sub Set Up Data

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, VOLT METER ACROSS THE BLACK AND RED OUTPUT TERMINALS. PLAY THE KĒNTO CARBON VANDERTONES TEST DISC II **TRACK 27** (1000HZ) ADJUST THE PREAMP VOLUME FOR EXACTLY 1 VOLT. PLAY **TRACK 32** (200HZ) 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 KĒNTO Carbon only using 200Hz high-pass.
- Vandertones Disc II is calibrated for a Radio Shack analog SPL meter set on 70 Db scale "C" weighting "FAST" response.
- Woofer Level set to "0" and Contour set to "1".
- Radio Shack Analog SPL meter at the listening position ear level.

Vandertone Track Left Channel	+/- Reading compared to 70 db	1/3 of Reading Target	Measured Outcome 1	Measured Outcome 2
Track 34 pot 1				
Track 35 pot 2				
Track 36 pot 3				
Track 37 pot 4				
Track 38 pot 5				
Track 39 pot 6				
Track 40 pot 7				
Track 41 pot 8				
<b>Track 42 pot 9</b>				
<b>Track 43 pot 10</b>				
<b>Track 44 pot 11</b>				

Vandertone Track Right Channel	+/- Reading compared to 70 db	1/3 of Reading Target	Measured Outcome 1	Measured Outcome 2
Track 45 pot 1				
Track 46 pot 2				
Track 47 pot 3				
Track 48 pot 4				
Track 49 pot 5				
Track 50 pot 6				
Track 51 pot 7				
Track 52 pot 8				
<b>Track 53 pot 9</b>				
<b>Track 54 pot 10</b>				
<b>Track 55 pot 11</b>				