

# SOUND & VISION

From test report on the Definitive Technology BP7002 home theater speaker system in September 2004 S&V. © 2004 by Hachette Filipacchi Media, U.S., Inc. All rights reserved.

## in the lab

**Sensitivity** (SPL at 1 meter with 2.8 volts of pink-noise input)  
 front left/right ..... 89 dB  
 center ..... 92 dB  
 surround ..... 91 dB

**Impedance** (minimum/nominal)  
 front left ..... 3.5/7 ohms  
 center ..... 2.5/8 ohms

surround ..... 3/5 ohms

**Bass limits** (lowest frequency and maximum SPL with limit of 10% distortion at 2 meters in a large room)  
 front left/right ..... 32 Hz at 83 dB SPL  
 center ..... 40 Hz at 79 dB SPL  
 surround ..... 80 Hz at 88 dB SPL

All of the response curves in the graph are weighted to reflect how sound arrives at a listener's ears with normal speaker placement. The BP7002's depression at 200 Hz is common in floor-standing designs. The speaker had a mildly uptilted bass-to-treble balance but very uniform directivity over its  $\pm 30^\circ$  listening window.

Our averaging technique tends to downplay the severity of the C/L/R 2500 center speaker's off-axis lobing at listening angles of  $22.5^\circ$  and wider. The BP 2X surround, like all bipole or dipole speakers, had greater high-frequency output at wider listening angles. This is generally considered a good trait in a surround speaker because it means you hear less direct sound and more reflected sound, making it harder to localize the surrounds as sound sources. Thanks to their built-in subwoofers,

the BP7002 and C/L/R 2500 played deeper and louder bass than usual for front-channel speakers.

— Tom Nounsaine

