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KUBOTEK Announces the Birth of “Real 3D Audio”

Kubotek Corporation (Dr Tetsuo Kubo, President and CEO) has developed the “Real 3D Audio” (three-dimensional sound reproduction system), by refining their HANIWA speaker system technology to its extreme. The new product will be in the market early June, composed of speakers and the specifically tuned digital channel divider.

PRODUCT CONFIGURATION

- 2-Way Horn Speakers (HSP2H08) with 3.5-inch compression driver and 8-inch woofer.
- Tuned Channel Divider (HCHD03).

PRODUCT DESCRIPTION

Most of the conventional multi-unit speakers are driven through the network, with which the signal from the amplifier is divided into bands for each of units, and the amplitudes are adjusted with the attenuator. This method may be able to balance the sound volume levels between units, but cannot control the time-axis phenomena, such as the phase shift. The announced new product successfully controls both of the amplitude and the phase shift, to make both of them flat through the full bandwidth. As the result, the impulse and step responses in the time domain are made close to perfect.

This new “Real 3D Audio” system can reproduce the sound with highest fidelity to its original sound signal, and thus, reproduces the “Natural Presence” of the recorded musical performances just in front of the audiences. This level of spatial fidelity has never been achieved in the past, and we proudly announce the re-birth of 3D Audio System in its true meaning.

The “Real 3D Audio” system includes another important technology to realize the deep bass sound without phase lag, which has not been possible with the bass-reflex and bass-boost methods accompanying inevitable phase lag and having the bass sound with poor articulation. The newly developed feed-forward technology realizes the real and speedy bass sound, out of incredibly small size of the new speaker system.

DATA SHEET

PRODUCT NAME : HSP2H08 (2-Way Horn Speaker)
SPECIFICATIONS :

HSP2H08 2-way horn speaker

Unit Configuration

Bass : 8-inch woofer with Magnesium cone
High : 3.5-inch compression driver
Cross Over : 600Hz
Dimension : 660 x 400 x 330 mm (HWD)
Weight : 40Kg

HCHD03 tuned digital channel divider

Analog Inp : RCA 1ch (stereo)
Analog Out : RCA 2ch (stereo)
FPDC Unit : Adjusts gain and phase characteristics in frequency domain.
Preset : 3 modes
Dimension : 223 x 83 x 370 mm (WHD)
Weight : 4.6 Kg