

HDAC01

Active Phase Control D/A Converter



World First Phase-Controlled D/A Converter



Finest control of phase delay
brings you the cleanest sound.



HDAC01

Phase-Controlled D/A Converter

HDAC01 converts various digital music sources, such as CD, into the analog signal. The digital music contents should keep increasing, such as through Internet shops, and HDAC01 can handle all of those, based on its high spec of 192kHz/24bit.

Conventional D/A converters are designed caring only about f-curve, but not about phase characteristics. However, HDAC01 is designed to control this phase characteristics. Many of music lovers were disappointed by the sound quality of CD, and the limited bandwidth of up to 22kHz was mainly blamed for this. But recent research revealed that the phase delay in high frequency range is one of the major reasons of so called "digital taste" of sound.

HDAC01 up-samples all the input signals into 192kHz/24bit, and then apply FIR filter to cut the super high frequency range and prevent the phase delay in the audio high frequency range.

HDAC01 also has three modes of operation, to provide multiple phase characteristics.

Mode 1 : Cancels the phase shift in high frequency range of digital sources, such as CD.

Mode 2 : Corrects also the phase delay of low frequency range.

Mode 3 : Improves phase delay in mid- to high frequency range. It is well known that lot of high-end speakers have this characteristics.

By controlling phase characteristics, HDAC01 will surprise you when you experience how the digital source can be reproduced as fresh and natural sound.

Digital Input	Optical Input	1 ch
	COAX Input	2 ch
	AES Input	1 ch (max 192kHz/24bit)
Analog Output	Blanced Output	1 ch (stereo)
	RCA Output	1 ch (stereo)
FPD Unit	Adjust gain and phase Characteristics in frequency domain.	
D/A Converter	Phase shift in high cut is controlled (192kHz/24bit)	
Miscellaneous	Sync Input	
	USB Interface	
Dimension	316 x 83 x 370 mm (WHD)	
Weight	5.8 kg	



FRONT VIEW



REAR VIEW

KUBOTEK
CREATION ENGINEERING COMPANY

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(The contents of this document are subject to change without prior notice.)