BrainCore CU
Audio Black Box

BrainCore CU is an audio black box with flexible applications and easy configuration. Through the BrainCore™ technology, an innovative core technology independently developed by Audiocenter, based on the characteristics of different speakers and different application scenarios, scene presets that can meet a variety of application needs have been created. Users only need to call the corresponding presets according to the combination of speakers and application scenarios, and can quickly create an audio system without professional debugging, and get a more satisfactory sound effect.

Key Features

- With more than 20 years experiences of product development and system application, and repeated testing and debugging, these presets can meet a variety of application needs

- Users only need to import the system preset package through "CU Preset" to use

- Directly call the system preset package, you can get satisfactory sound effects without professional debugging

- 1 ~ 9 total 9 preset gears (0 default is BY PASS)

- BrainCore CU is with ultra compact 1U design and half 19" rack space enclosure. With customized rack adapter, it allows for single installation or side-by-side (two devices) in a 19" equipment rack.

Installation

Specifications	BrainCore CU
Audio System Delay	0.25ms （INPUT to OUTPUT）
AD/DA Converter	24Bit
Sampling Rate	96kHz
Input Channels	Two-way balanced
Input Interface	Female XLR
Output Channels	Three-way balanced
Output Interface	Male XLR
Input Impedance	＞10KΩ
Output Impedance	＜100Ω
Maximum Input Level	≥+15dBu
Requency Response	±0.3dB,20Hz-20kHz
Dynamic	≥106dB
THD+N	≤0.05% @1kHz,0dBu
Audio System Delay	USB，Free drive
AC Power Operating Range	100-240V~(±10%，50/60Hz)
Power consumption	＜10W
Rack space	1U design and half 19" rack space enclosure
Dimension(WxHxD)	218x44x153mm
Net weight	1.0kg