

# BrainCore CU

## Audio Processor



BrainCore CU is an audio processor 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.

### Installation



#### 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((W×H×D)        | 218x44x153mm                                |
| Net weight               | 1.0kg                                       |