



Description

Designed for professional sound reinforcement scenes such as theaters, large-scale performances, and concerts, it is mainly used with linear array speakers. It adopts relay-free output protection technology, which responds quickly and accurately, far exceeding the performance of traditional relays; it has comprehensive protection functions, including power soft start, DC overload short circuit protection, overheating protection, ultra-high frequency protection, and clipping and limiting functions; in the event of over-temperature, the system will automatically compress the sound proportionally to ensure that the sound on site is not interrupted.

Features

- *It uses a FIR processor imported from Germany, based on the fifth-generation SHARC processor ADSP-215XX series, with high-order FIR acceleration processing capabilities, which can make the speakers phase consistent and reduce comb filtering between speakers.
- *The use of anti-twisting and impact-resistant cold-rolled steel plates, high-precision machining and painting technology make the structure and appearance of the amplifier more exquisite .
- *The low noise three-stage variable speed fan has good thermal stability .
- *The latest digital amplifier circuit has an amplifier efficiency of more than 96%, small size, high power density, and HiFi-level sound quality. The latest digital circuit topology technology makes the output waveform of the amplifier smoother, the frequency response flatter, the mid-high frequency without burrs, the sound more delicate, and the low frequency more powerful under the same test conditions.
- *Built-in 40-bit floating-point DSP chip processor with 96kHz sampling frequency ensures high-precision audio processing. The amplifier has 2.6 milliseconds of analog to analog output delay (including 1 millisecond delay peak limiter), of which the input available delay is 200 milliseconds and the output available delay is 10 milliseconds.
- *It integrates a variety of advanced functions, including active crossover, delay processing, EQ adjustment and equalization settings, to meet various needs in professional sound reinforcement scenarios.
- *The front panel has a limit indicator light to indicate the status of amplifier output distortion or limiter operation; the front panel has a protection indicator light to indicate overheating, overload, short circuit, RF interference, DC protection circuit, etc.; the front panel has a signal indicator light.
- *It has 4 XLR input interfaces, 4 XLR cascade ports, and 2 network ports.

Specification

Output power (1KHz, <0.05%THD)	8Ω: 4×1300W; 4Ω: 4×2200W; 2Ω: 4×2000W
Total harmonic distortion (20Hz-20kHz for 1W)	<0.1%
Total harmonic distortion (1kHz and 1dB below limiting)	<0.05%
DSP processor	FIR processor imported from Germany
Signal-to-Noise ratio	>120dB
Frequency range (power bandwidth +/-0.1dB)	10Hz-34kHz
Damping coefficient	>500
Input impedance (balanced/unbalanced)	20KΩ/10KΩ
Output socket	Original NEUTRIK output port
Input socket	XLR Female



Digital Amplifier

KS-41300D

Link socket	XLR Male
Protection function	With short circuit, open circuit, overheating, overload, DC, super audio frequency and other protections
Power requirements	100-240V~50Hz
Power consumption	1084W
Dimensions (W x H x D)	483×88×473mm
Weight	12.5Kg
Output power: Measured according to CEA-2006-B/CEA-490-A standard using 20ms pulse 1kHz sine wave at 1% total harmonic distortion	
Power consumption of the whole machine: According to GB4943.1-2022 test method : measured under 1kHz sine wave rated load 1/8 power condition	