

CNS3950 DIGITAL POWER AMPLIFIER

TECHNICAL DATA SHEET



DESCRIPTION:

CNS3950 is a series of digital power amplifier with newly designed appearance and high powers for selection. The machine is nice and neat, and is suitable for factories, schools, hospitals, shops and many other commercial applications.

FEATURES:

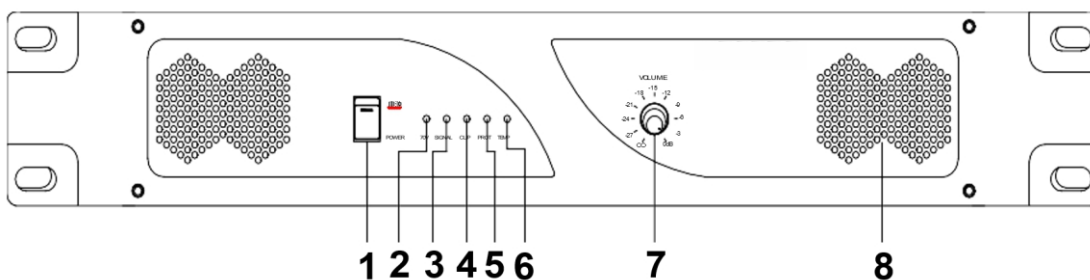
- Highly efficient switching power supply.
- Highly efficient CLASS D amplifier.
- 100V, 70V constant voltage output (common output end), support 100V/70V output real-time switching.
- With perfect and reliable DC output protection, short circuit protection and overheating protection, which improves the safety performance of the machine.
- 5 unit LED indicator for status display.
- 6.35mm socket and XLR socket can easily realize looping connection.
- Output short circuit protection and can recover automatically.
- A series of high power amplifiers are available.

- Support 16bit digital audio stream decoding at a maximum sampling rate of 48kHz.
- With a built-in 40W digital amplifier, with low power consumption.
- Can play background music, emergency paging and alarm signals from the system host.
- Can control local output volume and local playing status.
- With waterproof structure, waterproof grade IPX6.

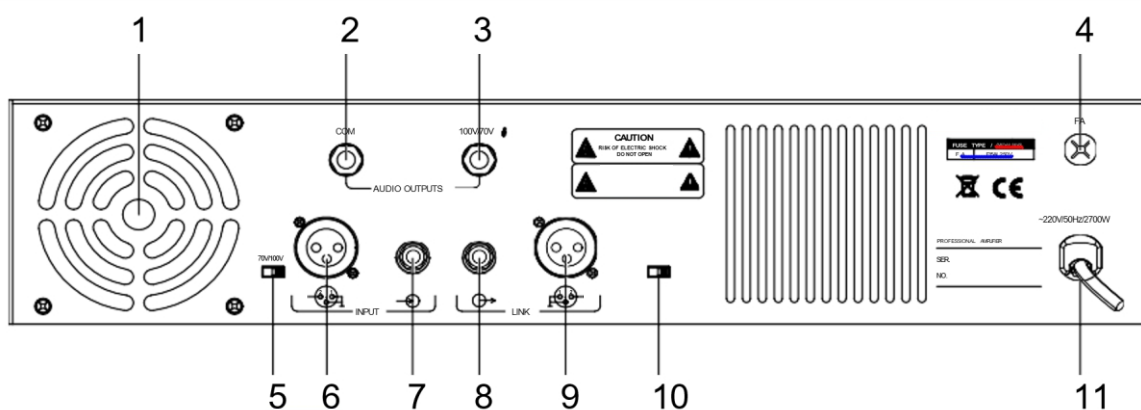
SPECIFICATIONS:

Model	CNS3950
Rated Power (100V)	2000W
Rated Power (70V)	1000W
Min. source electromotive force	1000mV
SNR	80dB
Frequency Response	80Hz~ 16kHz $\pm$ 3dB
Total harmonic distortion	1% (1kHz, normal condition)
Indicator light	70V" , "signal", "clipping", "protection", "over temperature"
Protection Power Supply	Over temperature, DC, short circuit AC220V/50Hz
Rated Power Consumption	2700W
Package Size (L×W×H)	555x455x185mm
Machine Size (L×W×H)	483x380x88mm
Gross Weight	10.4kg
Net Weight	9.1kg

FRONT / REAR PANEL



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|---|---|
| 1.AC power switch (with light indication) | 5.Protection indicator (DC or short circuit protection) |
| 2.70V output indicator | 6.Temperature indicator (over temperature indication) |
| 3.Signal indicator (output level) | 7.Volume control knob |
| 4.Clipping indicator (please lower the gain appropriately to avoid severe clipping) | 8.Ventilation and cooling window |



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|----------------------------------|---|
| 1.Fan | 10.Long-range gear switch When the speaker line on site is too long and the volume of the site is not enough, you can turn this switch to the right (the green indicator light in the switch is off at this time) to improve the output to dynamically compensate for some cable losses. If the line is very short and the load is composed of a speaker with a power less than 30W or multiple speakers with a power less than 30W, please turn on this switch with caution to avoid overload damage to the speaker. |
| 2.Output common terminal | 11.220V AC power cable |
| 3.70V/100V output | |
| 4.220V AC fuse | |
| 5.70V/100V output switch | |
| 6.XLR output port | |
| 7.35mm input port | |
| 8.35mm looping connection socket | |
| 9.XLR looping connection socket | |

Email: Sales@canscorp.com

Add.: Shop No 5-6, Adinath Alpine building, Plot No. 28 A, Sector 25, Khandeshwar, Navi Mumbai, Maharastra 410209

Web.: WWW.CANSCORP.COM