

# DIGITAL AMPLIFIER

1U Ultra-thin Model



## 3.1 D-SERIES AMPLIFIER CHARACTERISTIC

The D series are high-efficiency class D power amplifiers that use switching power supply technology. The energy efficiency ratio of the device exceeds 80% in daily use and exceeds 90% in the laboratory.

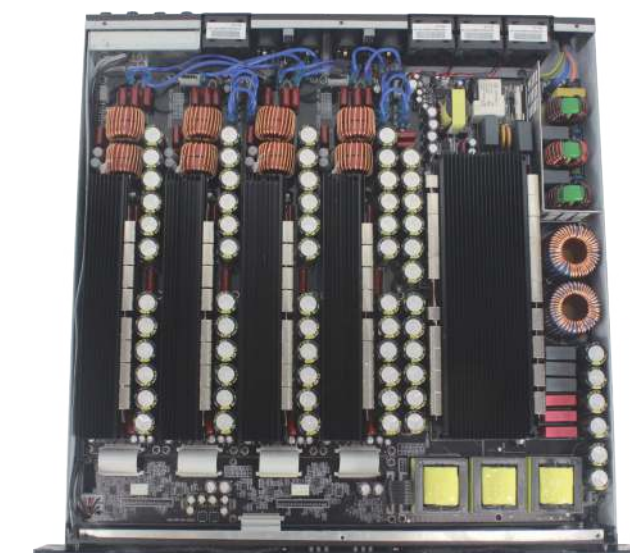
This series of power amplifiers uses active power factor correction technology, which can be used worldwide, and minimizes interference to the power grid and improves energy efficiency.

### FEATURE

- 2 ohms stable working
- Use NTC boot soft start
- With PFC automatic voltage regulator circuit.
- Each channel has independent overpressure and overheating.
- Load short circuit protection.
- Separately controllable on Gain
- Scalable Voltage Peak Limiter (VPL)
- The bridge-mode operation for Touring Applications
- Low working temperature, reliability will be improved obviously.
- Saving energy, reducing operating costs

## D4-2000 INTRODUCTION

- 4 Channel Class D Digital power amplifier
- Mini 1U size, convenient for Touring Applications
- 2Ω Stable
- 4 x 2000 Watts into 8 Ohms,
- 4 x 3400 Watts into 4 Ohms,
- 4 x 4760 Watts into 2 Ohms
- Precise and Reasonable circuit structure
- Bring supper reliable sound
- Bridge-mode operation



(D4-2000)  
(D2-3000)



## 3.2 K-SERIES AMPLIFIER CHARACTERISTIC

1U class D digital power amplifiers are popular among users at home and abroad because of their environmental protection, energy saving, small size and utilization rate of more than 97%. Products are sold in Europe, America and other countries.

K series amplifiers are 2-channels amplifiers with three models: K-800, K-1000 and K-1200. A perfect Sound reinforcement used in multiple ranges of home and paging applications such as home, theater, office, malls.

### FEATURE

- Advanced protection circuitry for short circuit, mismatched load, overheating and internal faults.
- Use NTC boot soft start.
- With PFC automatic voltage regulator circuit.
- Each channel has independent overpressure and overheating.
- load short-circuit protection.
- There is an automatic limiting function to prevent damage to the sounder.

3.2 K-1200 INTRODUCTION

- 2 Channel Class D Digital power amplifier
- Mini 1U size,convenient for Touring Applications
- 2 x 1,850 Watts into 4 Ohms, 2 x 1,200 Watts into 8 Ohms
- Precise and Reasonable circuit structure
- Bring supper reliable sound
- Bridge-mode operation for Touring Applications



SPECIFICATIONS

Model:	D2-3000	D4-2000
8 Ω Stereo Power (RMS)	2x3000W	4x2000W
4 Ω Stereo Power (RMS)	2X5100W	4X3400W
2 Ω Stereo Power (RMS)	2X7140W	4X4760W
8 Ω Bridged Power (RMS)	1X10200W	2X6800W
4 Ω Bridged Power (RMS)	1X14280W	2X9520W
Bridge RMS voltage (THD+N=1%, 1kHz)	154. 9V	126. 5V
Slew rate(1kHz, low-pass filter bypassed)	50V/us	
THD+N(10%Rated Power, typical)	0. 0001	
IMD-SMPTE(10%Rated Power, typical)	0. 0001	
DIM30(10%Rated Power, typical)	0. 0001	
Cross-talk(20Hz-1kHz, below Rated Power)	≥90dB	
Frequency response(10% Rated Power, 20Hz-20kHz, 8 Ω	±0. 2dB	
SNR(A weighted 20Hz-22kHz)	≥115dB	
Input impedance	20k Ω (Balance), 10k Ω (Unbalance)	
Damp factor(8 Ω, 20Hz-200Hz	≥5000	
Main power	90~260VAC, 50~60Hz	
Size(WxHxD)	483x44x465mm	
Protection	Under voltage, DC, Over temperature, Over load limiter, Short protection	

Model:	K-1200	K-1000	K-800
8 Ω Stereo Power (RMS)	1200wx2	1000wx2	800wx2
4 Ω Stereo Power (RMS)	1850wx2	1500wx2	1200wx2
2 Ω Stereo Power (RMS)	2300wx2	2000wx2	1600wx2
8 Ω Bridged Power (RMS)	3600w	3000w	2400w
4 Ω Bridged Power (RMS)	5000w	4000w	3200w
Power Type	Switching Power Supply		
Amplifier Type	Composite Feedback Control Class D		
Frequency Response ( 8 Ω )	20Hz-20KHz±1dB		
Rate Output Voltage (THD+N<1%, 1khz)	100V RMS		
THD (10% -1KHz)	<0. 1%		
Power Specification AC 90V-240V(+15%)	45-65Hz		
Speed rate (1KHz)	>20V/ μ s		
Noise insulation factor(1KHz)	>250		
Dynamic range	≥95dB		
Signal-to-noise ratio	≥95dB		
Input Impedance	20K ohms Balanced, 10K ohms Unbalanced		
Input sensitivity (1KHz)	2Vrms		
Input impedance	20K (balance) / 10K (imbalance)		
Damping Factor	250		
Input Connector	XLR(Female)		
Output Connector	Speakon Block		
Channel Separation	1KHz 80dB		
Level Adjustment	Front Panel Potentiometer, From Negative Infinity		
Cooling Type	Stepless Speed Regulation Cooling Fan,Air Flow		
Amplifier And Load Protection	Short Circuit, Thermal, Over current, DC voltage, Ultra High frequency protection		