

## ACLON audio- Digital Switching Amplifier- DH series specification

Model	DH4-400	DH4-600	DH4-800	DH4-1200
Output Power(20-20kHz, 1W with 1 kHz )	4 Channel			
8 Ω Stereo Power(RMS)	4X 400W	4X 600W	4X 800W	4X1200W
4 Ω Stereo Power(RMS)	4X 800W	4X 1200W	4X 1600W	4X 2500W
8OHM Bridge	2X1200W	2X2000W	2X2400W	2X3600W
THD 20 Hz - 20 kHz for 1 W	<0.04%			
Signal-to-Noise Ratio	>105 dBA			
Damping factor	>500			
Channel separation (Cross talk) at 1 kHz	>75 dB			
Input Sensitivity	0.775V, 1.4 V			
Model Switch	stereo, parallel /mono			
Input Connectors (per channel)	3-pin XLR, electronically balanced			
Output Connectors (per channel)	NL4 -Speakon			
Class circuitry	Class D (new tech 2 to 3 step circuitry)			
full-bridge type power tech	New Full-bridge type power supply technology			
Cooling	Front-to rear airflow, temperature controlled speed. of 3pcs			
Tour Class Protection	short circuit, open circuit, direct voltage, high temperature, radio-frequency, ultralow frequency			
Operating voltage	110V / 230V / 220V, 50/60Hz (factory configured)			
Input impedance (unbalanced)	20 k Ohm (10k Ohm)			
Dimensions (H×W×D)	2U: 88×488×330mm			
Packing dimension	150×620×530mm			
Power transistor (NJW0302/0281G)	4Pair	6 Pair	12Pair	20 Pair
Audio IC (USA HIFI IC)	USA-MC33078	USA-MC33078	USA-MC33078	USA-MC33078
<b>Net weight (kg)</b>	8	8	11	11
Gross weight (kg)	9	9	14	14

### Key Features

It is Light weight only 8KG or 11KG

It can be used for church,concert,nightclub,stadium,theater,speech,big live sound reinforcement etc

Digital Switching amplifier DH series is big power amplifier, good quality, high stability, less heat, big power output.

**DH Amp series design concept:**

DH amp products are classical products that engineers of ACLON International technology research and development center create together, which consolidated ACLON audio influence and status internationally.

The latest scientific research achievements,a new generation of rectifying circuit of switching power technology, promoted power output while decrease volume and weight. Precise rectifying keep the internal voltage stably, make sure total power output can be satisfied and low distortion even in power supply obvious reduction situation.

#### **Selectable gain: meet more kind of signal and impedance.**

Let signal input get optimized performance with DH Amp's Selectable gain. Except that, every channel has a peak optimize output characteristics

#### **High efficiency consistent cooling system.**

Using thousands of tiny cooling slots to increase the cooling area for the conduction air of two variable speed fans. Output component install transversely relative to the cooling air flow to reach the purpose of consistent cooling:keeping operative and withstand high temperature without capacitance.

#### **impeccable protective system.**

Overall circuit protection function: Dc output, short circuit, enduring high frequency signal. Except that, average power monitor the relation between power output and power supply input, limiting electricity to avoid audio interrupt.

