

DSA2012D/DSA2024D/DSA2035D/DSA2050D Two Channel Class-D Digital Amplifier

Features

- Rated power output at 120W, 250W, 350W to 500W by two channels
- Two channel separate speaker outputs 4-16 Ω /100V
- Wide AC input from 110V to 230V input
- DC 24V battery input is included
- Two channel power amplifier into 19" rack mount unit
- Balanced XLR input by phoenix connector
- Complete short circuit, overload, high temp, clip and DC

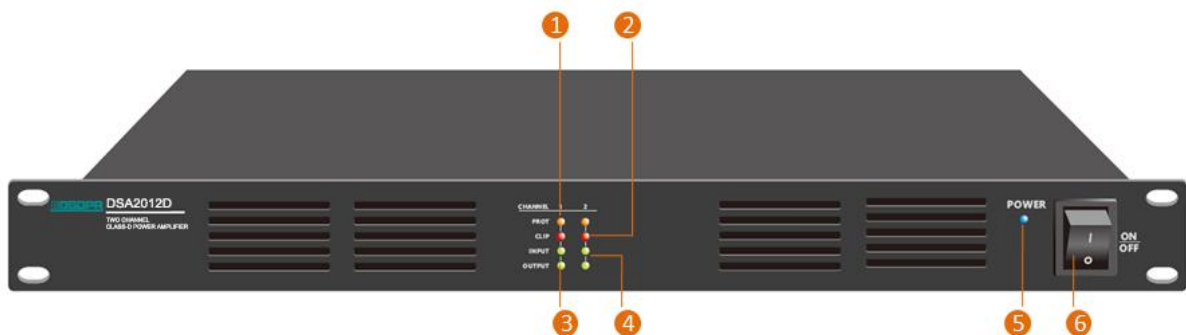


Description

The digital class-D amplifiers DSA2012D/DSA2024D/DSA2035D/DSA2050D are of rated power output at 120W, 250W, 350W & 500W by two channels, so it could be used as two zone multiple sources public address system at minimum cost. The versatile loudspeaker outputs of both high impedance 100V & low impedance 8ohms enable it meet both PA fixed installation and Hi-fi stereo sound installation jobs. Two separate zone speaker outputs both by 100V & 8 Ohms.

Wide AC power supply from 115V to 230V, thus it support worldwide sound system installation. DC24V battery input is included.

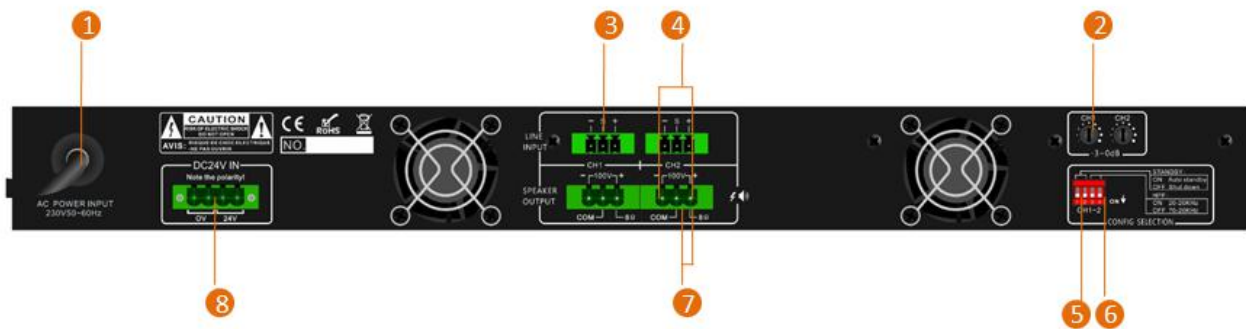
Front Panel



1. PROT
2. CLIP
3. INPUT

4. OUPUT
5. POWER
6. POWER SWITCH

Rear Panel



- | | |
|--|---|
| <ol style="list-style-type: none"> 1. AC POWER CORD 2. GAIN CONTROL 3. LINE INPUT(1-2 Channel) 4. 100V SPEAKER OUTPUT(1-2 Channel, COM & 100V +) | <ol style="list-style-type: none"> 5. HIGH PASS FILTER 6. AUTO-STANDBY 7. 8Ω SPEAKER OUTPUT(1-2 Channel, COM & 8 Ohms) |
|--|---|

Specification

Model	DSA2012D	DSA2024D	DSA2035D	DSA2050D
Description	Class-D Two Channel Power Amplifier			
Rated Power Output	2x120W	2x240W	2x350W	2x500W
Speaker Output	8Ω & 100V			
Frequency Response	L/H Cut OFF 20Hz-20KHz (+1/-2dB) L/H Cut ON 70Hz-10KHz (+1/-3dB)			
Input	0.775V, 0dBu, balanced phoenix connector by two channels			
Input Impedance	10KΩ			
THD	<0.1% (1KHz/-3dBv, 100W)			
S/N Ratio	>80dB			
Crosstalk	>60dB, 1KHz, Max output			
Power Consumption	300W	550W	800W	1150W
Power Supply	Wide AC input from 110V & 230V, 50-60Hz, with DC24V input			
Dimension	482(W)x420(D)x44(H) mm			
Weight	6.5kg	7.5kg	8kg	8.5kg
Warranty	3 years warranty and free spare parts			

Speaker Connection

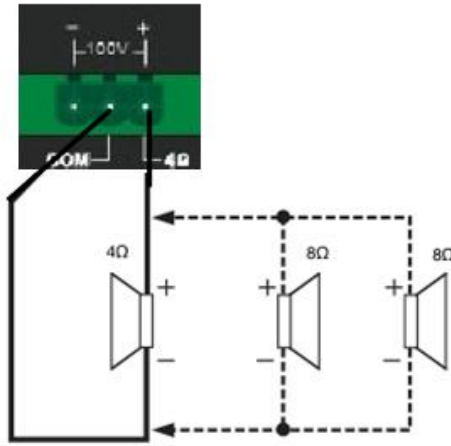
- Connecting 4-16Ω Speaker Systems

When connecting conventional 4-16Ω speaker systems, connect the speaker's positive (+) side to the terminal labeled 4-16Ω. Connect the speaker's negative (-) side to the terminal labeled COM.

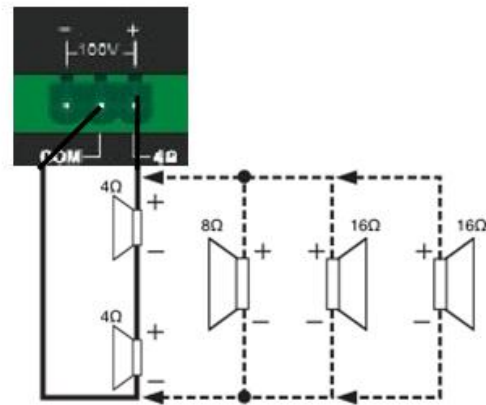
- Connecting High-Voltage Distributed Speaker Systems

When connecting a low-impedance (100V) speaker system in parallel, connect the speaker's positive (+) side to the terminal labeled 100V. Connect the speaker's negative (-) side to the terminal labeled COM.

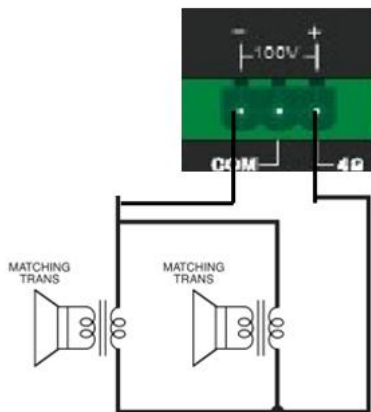
FOR 4Ω LOW IMPEDANCE SPEAKER CONNECTION



FOR 8Ω LOW IMPEDANCE SPEAKER CONNECTION



FOR 100V SPEAKER WITH TRANSFORMER CONNECTION



WRONG SPEAKER CONNECTION

