

# Suitcase series

Class D Power Amplifier

**SAE**

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Suitcase is very light weight with only 3.5kg, matched with Wardrobe casing which can be flexibly extend the amplifier into different applications. Multi combination, Small size and large power, Suitcase series is the best choice for portable power amplifier.

Class D power module and power factor correction allow Suitcase4250S and Suitcase4250T to adjust current according to the AC voltage waveform, adapt to much wider voltage range worldwide. Suitcase4250S Speakon output interface and Suitcase4250T Phoenix terminal output interface can respectively achieve very fast installation and fixed installation with 70V constant voltage output to meet different user requirements. IT can work as 2 channel, 3 channel, 4 channel power amplifier by choose different working mode, matched with Wardrobe casing which is much better to show the characteristic of Multi combination and flexibly application.

## Technology

### Class D

SAE Audio Class D technology implements the most advanced electronics within the smallest form-factor amplifier modules. The Class D amplifiers by SAE Audio implement the most efficient sound amplification technology available today, providing an unmatched system portability and afford ability with the best sonic performance.

### Power Factor Correction

SAE Audio innovative Power Factor Correction(PFC) technology along with its renowned R-SMPS power supply allows to drawn current from the mains in a more efficient way translating to a higher out power with a lower power consumption. Additionally PFC improves audio quality; it generates lower harmonics of the mains frequency thus reducing the hum and induced distortion because of perturbed mains.

### Full Automatic Assembly

SAE Audio amplifier production facilities feature the most advanced automatic assembling machine. All electronic modules on the Suitcase series are completely produced using automatic assembly thus enormously reducing unit malfunction possibilities due to manufacturing and achieving an unprecedented audio power amplifier reliability.

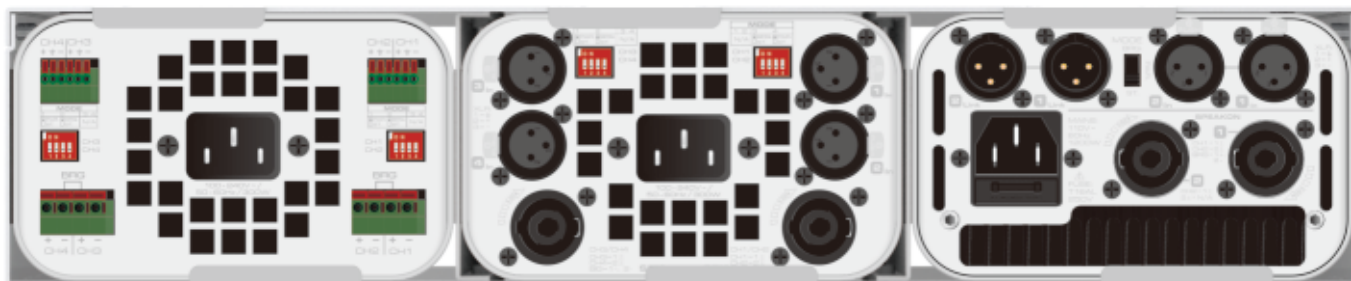


## Features

- Class D power modules.
- Power Factor Correction technology and Universal Mains R-SMPS (Suitcase4250S/Suitcase4250T).
- XLR signal input and link connectors.
- SpeakON NL4, Phoenix Terminal output connectors ( Suitcase4250T ) .
- Routing mode selector on the back panel (stereo / bridge / parallel).
- Channel independent protection and clip warning indicators on the front panel.
- Comprehensive intelligent high speed protection for electronic circuit
- Specific 3 in 1 chassis, easy to assemble and use.
- Only 1/3 of the 9U chassis size with portable weight.
- Fresh and sweet sounding characteristics.

## Applications

- Sound reinforcement applications with mid power density and good sounding requirements.
- Small to mid sized bar/café/lounge installation.
- Portable or rental industry PA system.



Suitcase4250T rear panel

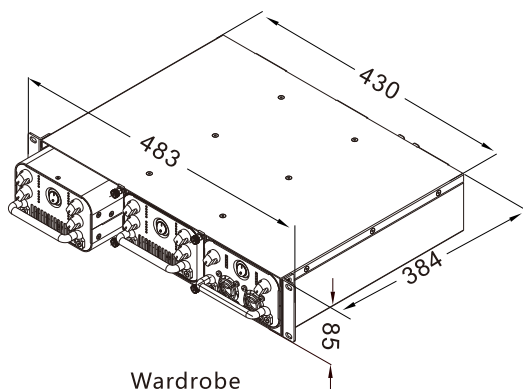
Suitcase4250S rear panel

Suitcase800 rear panel

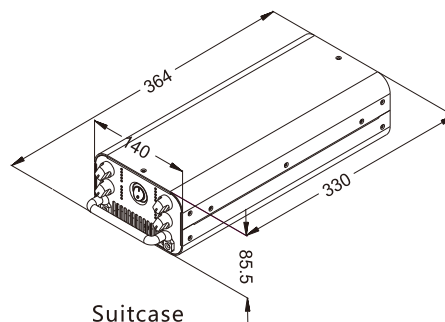
## Specifications

Model	Suitcase600	Suitcase800	Suitcase4250S	Suitcase4250T
Output power (AC 220V / 50Hz. ±10%, All channels driven output power, THD=1%)				
8Ω Stereo	600W x2*	800W x2*	230W x4*	230W x4*
4Ω Stereo	1000W x2**	1400W x2**	440W x4*	440W x4*
8Ω Bridge	2000W**	2800W**	860W x2*	860W x2*
Other specification				
Frequency response	20Hz - 20kHz ( ±1dB )		20Hz - 20kHz ( ±0.5dB )	
THD+N	< 0.12%		≤0.02%	
S/N rate	≥98dB		≥96dB	
Input sensitivity	1V		1.0V	
Input impedance (bal/unbal)	20kΩ / 10kΩ		40kΩ / 20kΩ	
Voltage gain	37dB	38dB	32dB	
Cooling	Air flow from front to rear		Air flow from front to rear	
Dimension / Weight				
Product dimensions (mm)	384x140x85	384x140x85	384x140x85	384x140x85
Packing dimensions (mm)	455x255x175	455x255x175	455x255x175	455x255x175
G.W.	3.5kg	3.6kg	3.9kg	4.0kg

### Dimension (mm)



Wardrobe



Suitcase

Remark : 1、\*Power tested under EIA standard.

2、\*\*Power tested under the condition of 40ms burst, 1KHz sine wave and 1% THD.

3、SAE reserves the right to make any changes to the product specifications without prior notice. Final specifications to be found in the user manual.