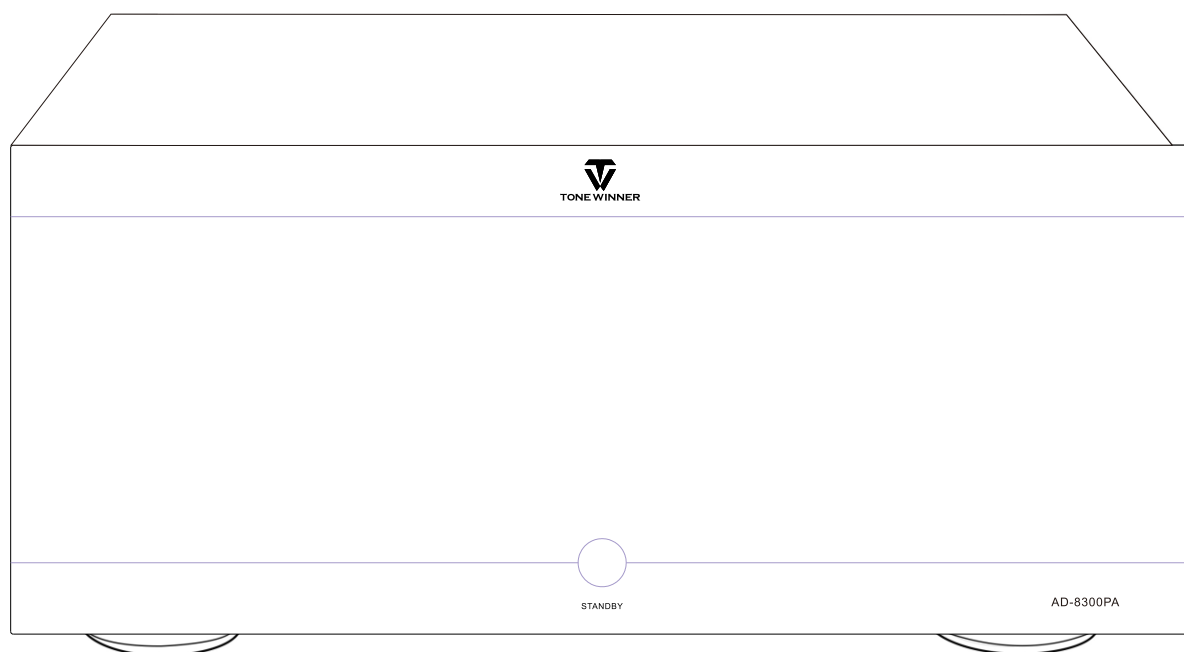




Manual



AD-8300PA Audio Power Amplifier

Thank you for using our acoustic products. We provide consumers with stable, reliable, enduring, and delightful acoustic technological achievements with the philosophy of “high quality, high taste, and high technology” as well as exquisite technique, classic circuit, novel technology, stable & first-class quality, and first-class service!

- 11 independently low distortion high speed HiFi amplifier modules which offer fine, pure & sweet audio output. The unit's left, right and center channels are with higher power than the rest channels, thus the sound quality & tone are better! circuit, novel technology, stable & first-class quality, and first-class service!
- Completed amplifier protection circuit: Short protection, Self-excitation, Overheat protection, DC protection.
- High power switch power supply with abundant power output storage.
- High power audio exclusive famous transistors in parallel output, which offers 45A high current output ability, & with abundant output power margin.
- For the chassis, it applies high intensity solid & durable cold plate with precise inside layout & anti-interference ability.

Contents

1. Significant Safety Measures	3
2. Overview of Functions	4
3. Overview of Features.....	4
4. Front panel.....	4-5
5. Rear Panel.....	5
6. Specification.....	6
7. Safety Class: Class II Equipment.....	6

Accessory List		
NO	Items	QTY
1	Signal cable	1pcs
2	Power cord	1pcs
3	Quality certification	1pcs
4	Manual	1pcs

Important protective measures for attention

	WARNING ELECTRIC DANGER DO NOT OPEN		■ To reduce risk of electric shock, do not remove the outer cover (or back panel). ■ For maintenance, it should be carried out by qualified maintenance people. ■ To avoid fire and electric shock hazards, do not get the unit wet or damp. ■ Safety protection category: Class II
---	---	---	---

1. Read the protective measures: read all warning messages about protection and operation in the instructions carefully before using the equipment.

2. Follow instructions: please follow the instructions and do not violate the instructions.

3. Place the product on where manufacturer recommends: to protect equipments overturning, do not use force to push or suddenly stop when moving.

4. Keep away from water and moisture: do not place equipment near water such as bathtub, basin, sink, washing machine, etc. Do not use equipment at high temperatures high humidity environment, such as a damp basement.

5. Cleaning: Do not use liquid or mist cleaners, please use dry cloth to clean. Turn off the machine and power off before clean the equipment.

6. Power supply: use the power supply according to indication. Should have reasonable wirings, to avoid damage, do no step. Pay special attention to power plugs, receptacles and connection wirings.

7. Ventilation: the chassis of equipment is designed with venting holes. To ensure reliable performance, please avoid overheating, do not cover the equipment. Do not use the equipment on beds, sofas, carpets etc. Newspapers, tablecloths, curtains, and other objects may block

venting holes. Do no put the equipment close to window curtains. If it is built-in installation, such as bookcase or rack, make sure enough venting. Keep a distance of 10cm (4") on left, right, top and rear sides. Equipment bracket or rear of top cover should have a distance of 10 cm (4 ") to rear panel or the wall, to keep venting space.

8. Heat - to keep products away from heat sources, such as heatsinks, stoves, objects that generate heat (including power amplifiers)

9. Prevent unknown objects or liquids - objects or liquids should be prevented from falling through the holes into the equipment, because it might contact current or live parts that might cause fire or electric shock. Do not place the equipment in rain or water splashing place, do not put into water containers, such as vases.

10. Please connect well all input/output wires before power on.

11. Thunder and lightning: unplug the power cable in thunder and lightning weather, it can effectively prevent lightning impulses to protect the equipment.

12. Protections:①unplug the power supply when you do not use the manual for long period. Plug. ②Good grounding can prevent the machine from being damaged.

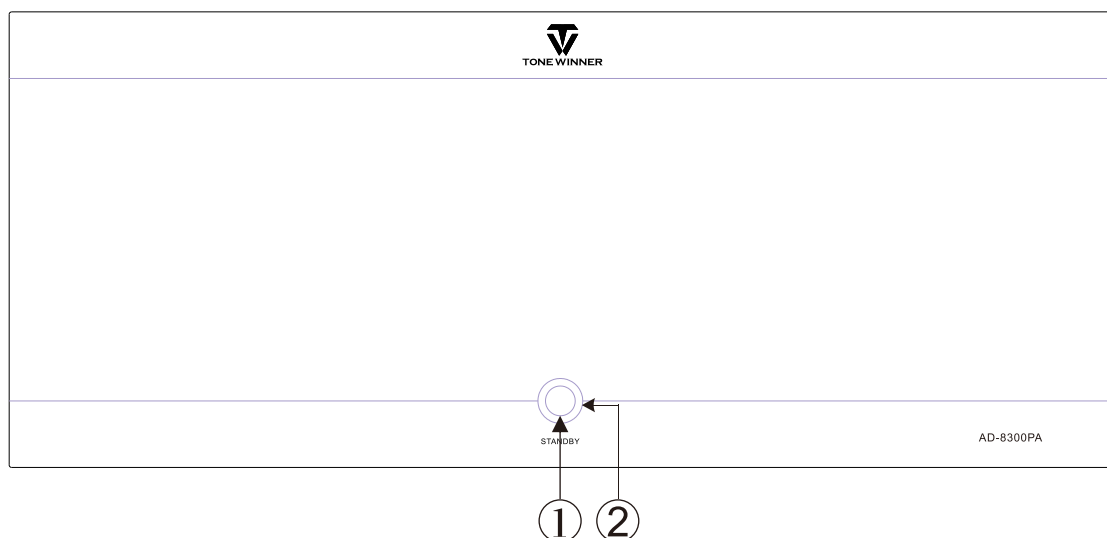
2. Overview of Features

- 1、Dual power supply design, 110V~/60Hz, 220~230V/50Hz auto identification.
- 2、Support both full balance & RCA inputs.
- 3、With over load, over heat, over voltage, over current & short protections, which grantee the device will not damaged due to the abnormal issues.
- 4、Low noise, dual differential Hi-Fi amplify circuit.
- 5、11 channels independent separated amplifier modules.
- 6、With trigger in & out control.
- 7、For the chassis, it applies high intensity solid & durable cold plate with precise inside layout & anti-interference ability.

3. Overview of Functions

AD-8300PA is a 11 channel power amp designed with switch power supply and analog power amplifier. It offer robust power output to driver most speakers easily, & it is with advantages of light in weight & high energy efficiency. It applies ToneWinner's classic HiFi circuit for outstanding sound quality & with independent 11 amplify channels. For each channel, it has high end gold plated RCA binding posts & balance connectors which allow it to be connected with any kind of input source to match preamp. AD-8300PA is a combination of HiFi and AV which can satisfy all your home theater requirements!

4. Front Panel



1. Standby: Standby switch, use it to turn ON/OFF the amplifier. If plug out the power cord when the amplifier is ON, then when the power cord is connected again, the amplifier will restore the last working status when it was turned off.

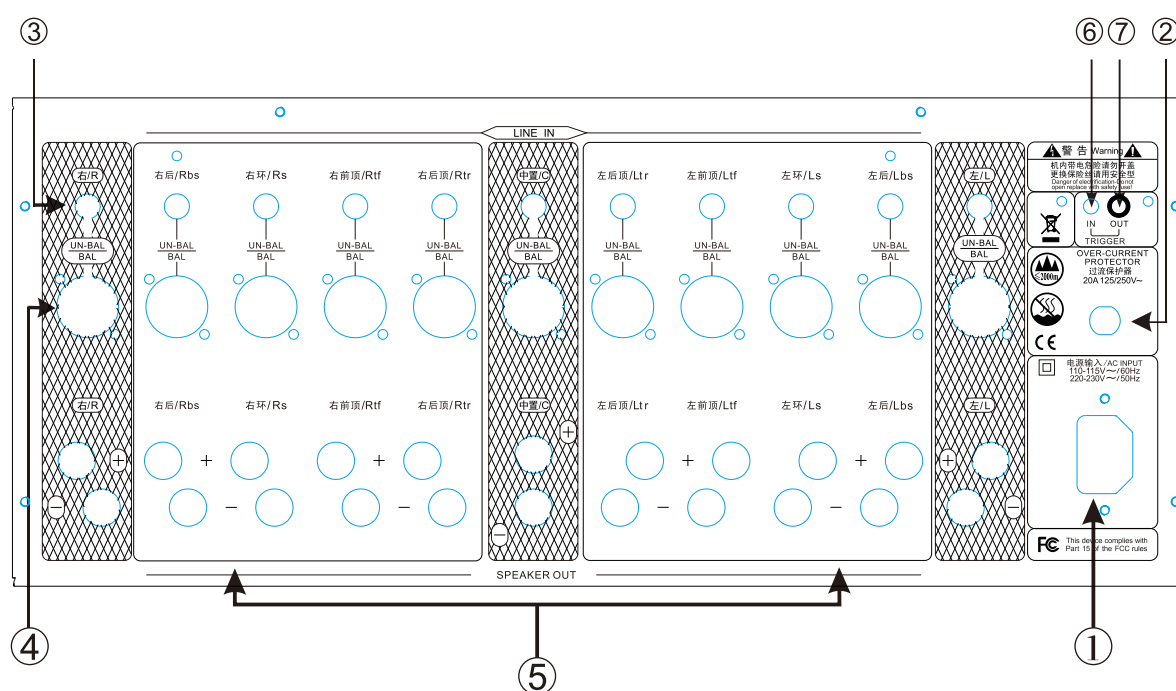
2. Standby protection indicator:

When it's in standby, the indicator is red.

When the amplifier is in protection, the indicator will steadily flash.

When the power supply is in protection, the indicator will flash two times in quick & one time in slow.

5. Rear Panel



1. AC INPUT: Power supply input port.

2. Protector: 20A 250V, it's a over current protector, when the current is abnormal, it will protect the amplifier, press it will restore the power-up status.

3. Analog input ports: Analog signal input ports for connecting corresponding ports on preamp.

4. Balance input ports: Balance signal input ports for connecting corresponding ports on preamp.

5. Amplifier output signal ports: Connecting the speaker cables to the corresponding channels' binding posts, please make sure the +/- cables are connected correctly.

6. TRIGGER INPUT: Preamp trigger in level turn on/off ports.

7. TRIGGER OUT: For trigger out the connected device.

6. Specification

1. SNR: $\geq 110\text{dB}$ (A weight)
2. THD: $\leq 0.05\%$ (1KHz, A weight)
3. Frequency response: 10Hz-80KHz (+1/-3dB)
4. Rated Power Output : 520W RMS/4 Ω (L+R+C channels 1CH driven, THD=3%)
260W RMS/4 Ω (Rest channels 1CH driven, THD=3%)
320W RMS/8 Ω (L+R+C channels 1CH driven, THD=3%)
150W RMS/8 Ω (Rest channels 1CH driven, THD=3%)
5. Rated Impedance: 8 Ω
6. Minimum source EMF:
Right, left & center channels are 1.7V & the rest channels are 1.2V
7. Gain: 29.5dB
8. Power supply voltage: 110-115V~/60Hz, 220-230V~/50Hz
9. Net weight: about 19.5kg
10. Gross weight: about 24.5kg
11. Unit dimension: 431x472x197mm (WxDxH)
12. Package dimension: 602x573x324mm (LxWxH)



Scan QR code

Guangzhou Tonewinner Electronics Co., Ltd

Tel: 86-20-34797660/34796146

Web: <http://www.tonewinner.com>

Add: No.1, Hongsheng 3

Road, Dashi, Panyu, Guangzhou, 511430, China