

# AD-3240PA User Manual

ISO9001 Certified Enterprise



## Packing List

Number	Item	Quantity
1	Manual	1 pcs
2	Signal	1 pcs
3	Power lead	1 pcs
4	Qualification certificate	1 pcs



### Pollution Control Sign and Content Description

The symbol indicates that the product can be reused. The figure indicates the term of service of environmental protection. The product will not cause environmental pollution or affect human body and property within the term of service expressed by the figure since the date of manufacture as long as the safety and operating precautions on the product are obeyed.

### Names and Contents of Hazardous Substances in the Product

Name of Parts	Harmful Substance or Element					
	Lead Pb)	Mercury Hg)	Cadmium Cd)	Hexavalent chromium Cr)6+	Polybrominated (PBB )	Biphenyls polyphenyls (PBDE )
Body/Box	○	○	○	○	○	○
Equipped Baseplate/ Electrical Part	×	○	○	○	○	○
Plastic Structural Member	○	○	○	○	○	○
Metallic Structural Member	○	○	○	×	○	○
Cable	○	○	○	○	○	○
Transformer	○	○	○	○	○	○
Loudspeaker/ Microphone	×	○	○	×	○	○

**Note:** This table is prepared in accordance with the provisions of SJ/T11364.

"○" indicates that the content of hazardous substances in all homogeneous materials of the component does not exceed the limit requirements specified in the GB26572 standard.

"×" indicates that the content of hazardous substances in at least one homogeneous material of the component exceeds the limit requirements specified in the GB26572 standard.

**Note:** "×" means that there is no alternative substance available with the existing technology.

Thank you for using our audio products. With the philosophy of “high technology, high quality and high taste”, we make products with durable materials, exquisite technique, rigorous circuit & advanced technology and offer professional service!

**Contents**

Important Protective Measures for Attention-----2~3

Before Use Instructions-----4

Product Introduction-----5

Main Features-----5



Front Panel-----6

Rear Panel-----7

Main Specification-----8

Equipment Safety Standard: Class II-----8

# Important Protective Measures for Attention

	<b>WARNING</b> ELECTRIC DANGER DO NOT OPEN		<p>To reduce risk of electric shock, do not remove the outer cover (or rear panel).</p> <p>For maintenance, it should be carried out by qualified maintenance people.</p> <p>To avoid fire and electric shock hazards, do not get the unit wet or damp.</p> <p>Equipment safety standard : Class II</p>
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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 avoid overturning, do not push too hard 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 or 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 cleaning the equipment.
6. Power supply: use the power supply according to marks and tags. Connect and place the wires properly. Do not step on wires to avoid damage. Pay special attention to wires to plugs, receptacles and connecting ports.
7. Ventilation: the cabinet of equipment is designed with venting holes. To ensure reliable performance, please avoid overheating and do not cover the equipment. Do not use the equipment on beds, sofas, carpets etc.
8. Keep away from heat: do not put that machine near heat sources, such as radiators, stoves and other 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 with 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 water containers such as vases on top of it.
10. Please connect well all input/output wires before switching on.
11. Thunder and lightning: unplug the power cable in thunder and lightning weather because it can effectively prevent lightning impulses to protect the equipment.
12. Protections: unplug the machine when you do not use it for long period. Good grounding can prevent the machine from being damaged.

13. Maintenance: do not open the cabinet without professional instruction to avoid electric shock.

Contact with the product managers where you buy this machine in the following cases:

- (a) Unknown parts or liquid enter the machine.
- (b) The machine is soaked.
- (c) The machine works abnormally.
- (d) Machine falling or damage.

14. Battery: for environment protection, please dispose batteries in appropriate ways.

15. Disconnection device of main power supply: this machine use power plug and coupler as the disconnecting devices. Power plug and coupler should be easily operated.

16. This product is only suitable for safe use in altitude below 2000m.



17. This product is not suitable to be used in tropical climates.



# Before Use Instructions

## ■ General matters

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1. Please place this machine in a well-ventilated area. There should be 10cm of free space on four sides of the product to facilitate heat dissipation.
2. Do not use oil, chemical solvents, volatile oils, paints, or pesticides on the machine body.
3. Do not place the machine in a humid environment, above 60°C high temperature, or in an extremely cold environment.
4. Avoid direct sunlight, strong magnetic fields, high temperatures, and electronic devices that may cause interference (such as home computers, fax machines, etc.).
5. When unplugging the power cord, please hold the power socket.
6. Do not open the chassis by yourself without permission. To avoid electric shock, if internal repair is needed, please send the machine to original factory or contact professional after-sales service locally.
7. Always use it on a stable surface that is level and without vibration, and do not place anything on the machine.
8. If there is no sound, please turn off the main power switch, wait for 10s and then turn it on again.
9. When the machine is working, if a thunderstorm occurs, please unplug the power plug.

## ■ Warning

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The voltage used by this machine must be in accordance with the specifications. If any fire or other accidents occur due to the use of a voltage other than the specified one, our company will not be held responsible.

## ■ Note

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1. Please read this manual carefully before use;
2. The company reserves the right to interpret this manual;
3. The appearance, color and pattern of the product are subject to the actual item;
4. After reading, please keep it together with the invoice properly;
5. If there is any product technology or software upgrade, pleasea forgive no further notice.

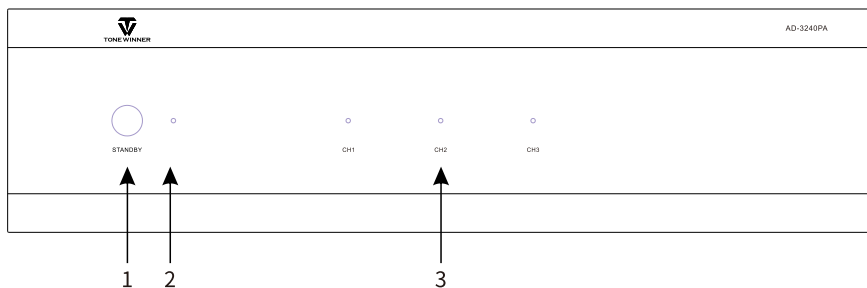
## Product Introduction

The AD-3240PA Power Amplifier is an exquisitely designed and developed three channel pure power amplifier with high power output. Adopting ToneWinner's patented power management technology and a global dual - voltage design, this amplifier is equipped with audiophile - grade dual differential amplification circuits and temperature compensation circuits, which effectively enhance the signal - to - noise ratio (SNR) of the entire unit. It comes with a built-in intelligent air cooling system and multiple classic electronic protection circuits to ensure stable operation for extended periods. The amplifier can be flexibly matched with preamps and other power amplifiers, bringing you a more immersive and rich audio - visual experience right at home.

## Main Features

1. 3-channel analog audio signal input.
2. 3 independent channel signal indicator lights.
3. Built-in 3-channel audio power amplifiers with a single-channel output power of up to 250W (8Ω).
4. Full aluminum alloy brushed panel and gold-plated binding posts.
5. Intelligent air-cooling system.
6. Completed electronic protection circuits, including over voltage, over temperature, overload, over current, and short-circuit protections.
7. Global dual-voltage design, compatible with 110 - 115V~/60Hz or 220 - 230V~/50Hz.
8. Support for trigger input/output functions.

# Front Panel



## 1. Power switch.

## 2. ON/Protection status indicator:

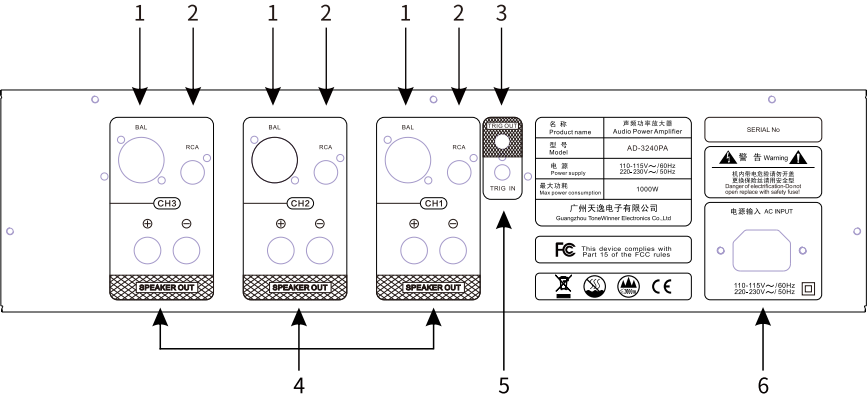
Under normal working status, it's blue, when protected, it's red, when any channel is abnormal, the amplifier will protect & stop working.

## 3. Signal indicators:

Illumination indicates signal output from the corresponding channel.



# Rear Panel



- 1. Balance signal input ports.
- 2. Unbalance signal input ports.
- 3. Trigger output ports.

- 4. Speaker terminals.
- 5. Trigger input ports.
- 6. Power input.

## Specification

**S/N:**  $\geq 100\text{dB}$  (A-weighted)

**Distortion:**  $\text{THD} \leq 0.006\%$  (A-weighted, 1kHz)

**Frequency response:** 10Hz-30KHz (+1/-3dB)

**Output power:** 250W/8 $\Omega$  (1 channel driven, 1KHz, THD=1%)

400W/4 $\Omega$  (1 channel driven, 1KHz, THD=1%)

**Gain:**  $\geq 29\text{dB} \pm 1\text{dB}$

**Max. power consumption:** 1000W/8 $\Omega$

**Standby power:** 0.5W

**Power supply voltage:** 110-115V~/60Hz or 220-230V~/50Hz

**Rated impedance:** 8 $\Omega$

**N.W:** 11.7kgs

**G.W:** 13.6kgs

**Chassis size:** 431×352×110mm (W×D×H)

**Unit size:** 431×375×129mm (W×D×H)

**Package size:** 544×474×210mm (W×D×H)

**Compliance standard:** GB4943.1, GB/T9254.1, GB17625.1

## Equipment Safety Standard: Class II

1. Please read the manual and safety precautions carefully before using.
2. The product should be mounted somewhere ventilated and dry for the convenience of heat dissipation to avoid moisture and lampblack.
3. The safety standard of the machine is II; upon installation, the power plug should be connected to 110-115V~/60Hz or 220-230V~/50Hz grid.
4. Do not remove the cover during using to prevent electrocution.
5. Do not frequently turn it on or off. Wait a few minutes before turning it on again.
6. When the equipment fails, contact with the product managers where you buy this machine for internal maintenance. To avoid accident, do not open the rear cover for inspection or repair.
7. The plugs, power lines, fuses, power switch, and transformer used on the equipment are all safety parts. Upon change of safety parts, the maintenance department should replace them in accordance with the model and specification specified by our company.





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