



TONE WINNER

AD-2500PRO User Manual

ISO9001 Quality Management System Certified Enterprise



Product packing list

Number	Item	Quantity
1	Manual	1 pcs
2	Power Lead	1 pcs
3	Certificate of qualification	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.

Name and Content of Toxic or Harmful Substance or Element in the Product

Name of Parts	Toxic or 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	○	○	○	○	○	○
Transformer Loudspeaker/ Microphone	×	○	○	×	○	○

Marks:

“○” means the content of the hazardous toxic substance is lower than SJ/T11363-2006 standard required.

“×” means in a homogeneous material of the component the content of the hazardous toxic substance is higher than SJ/T11363-2006 standard required.


Note: “×” as there are no substitutable substances under 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!

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Safety Warnings and Protective Measures

	WARNING 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 uses 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.



Instructions Prior to Use

■ General matters

1. Please secure the machine at the well-ventilated place with accessible space 10 cm in width at its two sides, and above and behind it.
2. Don't apply oil, chemical solvent, volatile oil, paint or pesticide to the equipment.
3. Don't place the equipment in moist environment with the temperature being as high as above 60 or extremely low.
4. Please keep the equipment away from direct exposure to sunlight, strong magnetic field, high temperature and electrical devices which may cause interruption (computer at home, fax machine, etc.)
5. Please fixate the power socket when pulling out the power plug.
6. Don't open the shell of the equipment without permission to avoid electric shock. Please contact TONEWINNER maintenance.
7. Please place local distributor for the equipment at a stable place with leveling surface and without vibrations, and no articles are allowed to be placed onto the equipment.
8. If no sound is heard, please turn off the power of the unit and turn on in 10 seconds.
9. In the operation of the machine, in case of any thunderstorms, please pull out the power plug.

■ Warning

The voltage used for the machine must be consistent with that in the specifications. We assume no responsibilities for fires or other accidents due to the use of voltage not within the scope as specified.

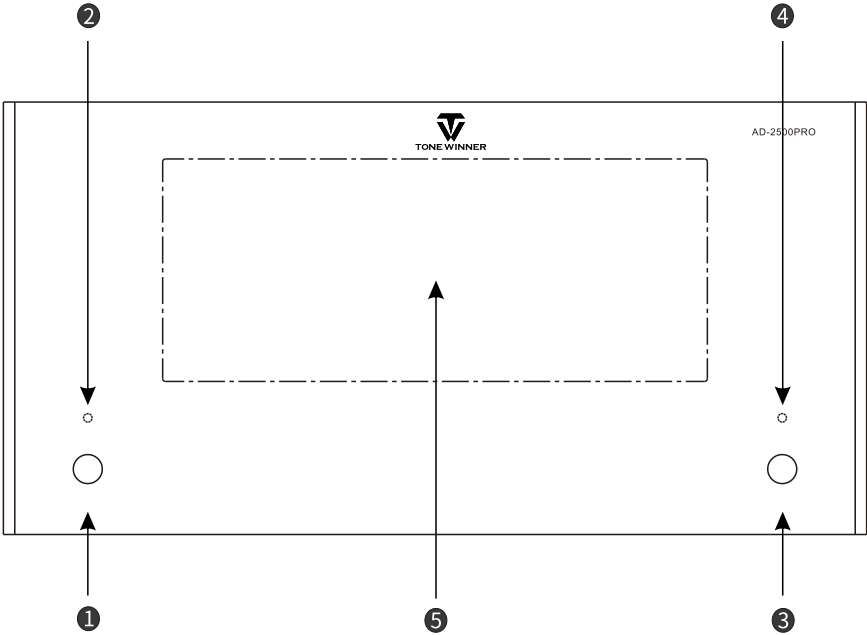
■ Note

1. Please read this manual carefully prior to use.
2. We reserve the rights to interpret this manual.
3. The actual product shall govern in case of any discrepancy of appearance, color and picture.
4. Please make this manual and invoice kept properly after reading.
5. The product is subject to upgrades in technology or software without notice.

Main Features

- 2 independent low distortion high speed Hi-Fi circuit amplify modules which offer fine, pure & detailed audio resolution. Applies external heat sinks with good heat dissipation ability.
- Completed amplifier protection circuits: Short protection, self-excitation protection, over heat protection, & DC protection.
- High power toroidal transformer with robust power margins.
- Applies famous high power transistors in parallel output, which can offer as high as 60A current output, & guarantees enough margins for output power.
- Applies audio capacitors with clear sound, permeability delicate treble, clear bright & full of details. In order to offer steady & power bass, it applies high capacitor capacitors as well.
- High strength & durable casing structure, scientific inner layout, strong anti-interference ability, high quality aluminum panel & acrylic panel , simple & easy appearance.

Front Panel



① Standby button

Press to turn on/off the unit. If unplug the power cord when the unit is on, it will return to the current status when you replug the power cord again.

② Standby indicator light

For Standby status, the indicator light is red and off when the unit is ON. For protection status, the light flashes with the DIM indicator light.

③ DIM button

This button can adjust brightness of front panel back light.

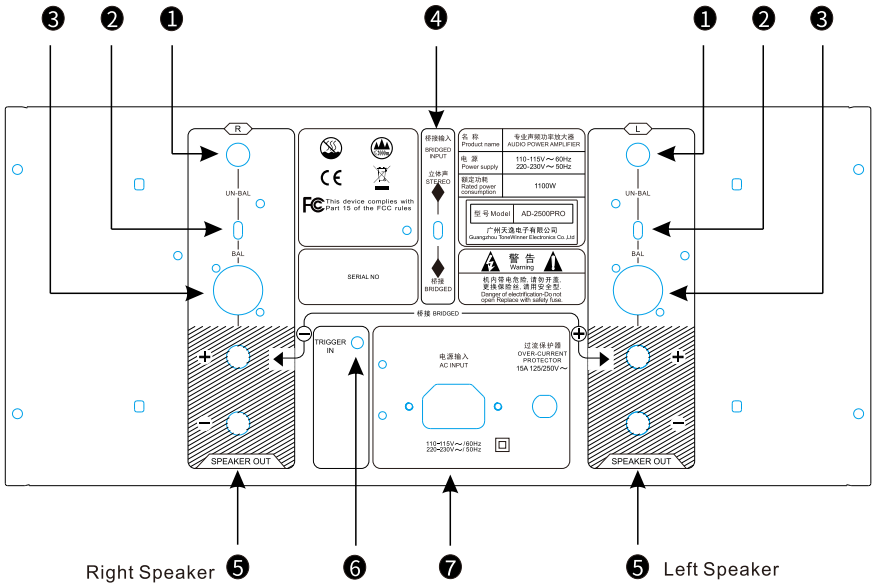
④ DIM indicator light

Only when standby indicator light is off DIM indicator light will turn on green color.

⑤ DC current meter

Display the input signal status.

Rear Panel



1 Analog signal input port

Signal input port, for connecting with output port of preamp.

2 Signal channel selection switch

Upside for unbalance signal, downside for balance signal.

3 Balance signal input

Signal input port, for connecting with preamp.

4 Working mode switch

When the switch switches to "BRIDGED", the amplifier will be in bridge mode, & the power output will be 1500W, please use it cautiously. The signal need to be input from L group, & when input from R group bridge mode is invalid .

When the switch switches to "STEREO", the amplifier will be in stereo mode, the signal need to be input from both L & R groups.

5 Amplifier output signal terminal

Connecting the speaker cable to the relative channel output port. Make sure positive & negative cables are connected correctly.

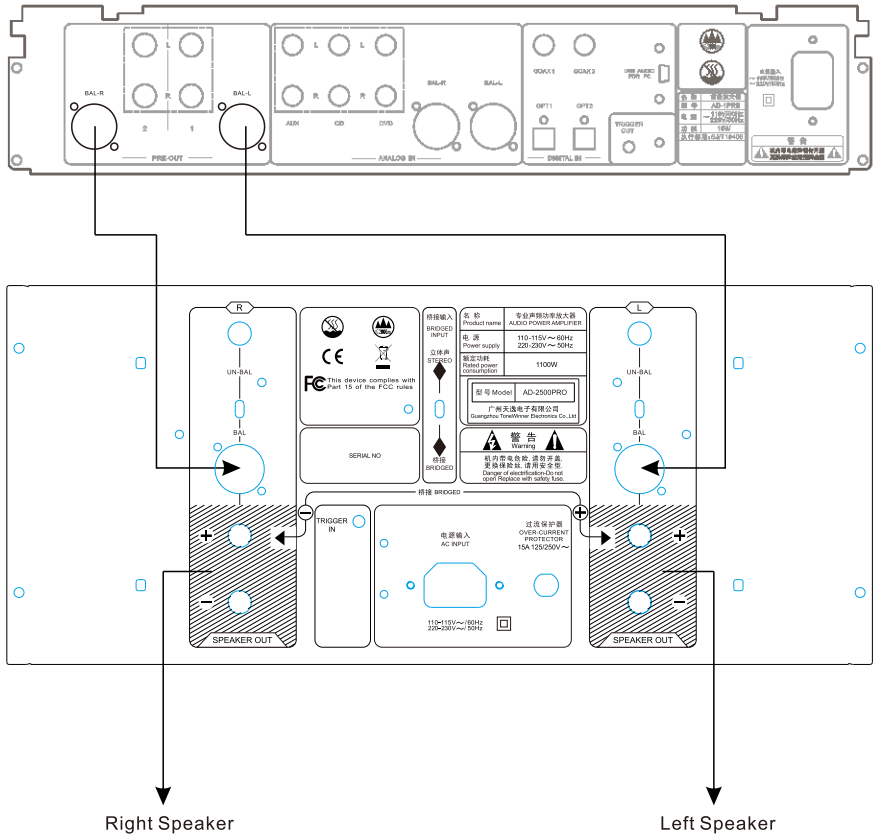
6 TRIGGER IN

Level input port for preamp trigger on/off.

7 AC input

Power input port & the place for fuse.

Amplifier Connection



Remark: Please select balance signal on signal channel selection switch.

Specification

S/N: >105dB(A weighted)

Distortion: $\leq 0.05\%$ (1KHz, normal working condition)

Frequency response: 10Hz-80kHz (+1/-3dB)

Output power : 950W Rms/4 Ω (THD=1%, one channel driven, 1KHz)

570W Rms/8 Ω (THD=1%, one channel driven, 1kHz)

Rated load impedance: 8 Ω

Minimum EMF: 2.5V

Gain: ≥ 28.5 dB

Chassis dimension: 440x420x178mm

Unit dimension: 440x440x196mm

Packing dimension: 568x572x321mm

NW: 23.7kg

GW: 28.3kg

Executive standard: GB4943.1-2022, GB/T9254.1-2021, GB17625.1-2012

(Note: The specification may be changed slightly without further notice.)

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 Class 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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