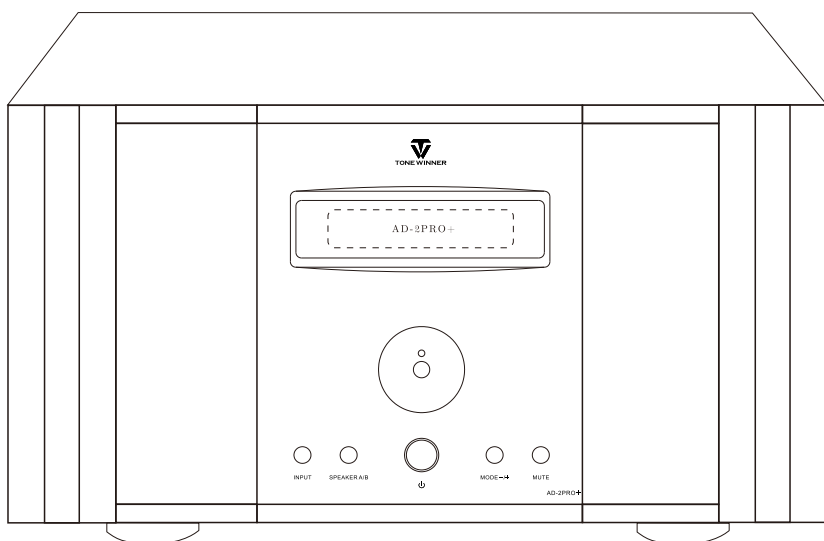




AD-2PRO+

使用说明书

(内含保修卡)

感谢您使用天逸品牌的音响产品，我们将以“高品质、高品位、高技术”的企业理念，以精美的工艺、经典的电路、高新的科技、稳定的质量，一流的品质、一流的服务，为广大消费者提供我们稳定、可靠、耐用、好听的音响科技成果！

- 全平衡、全对称、差分输入到差分BTL功率输出的甲类功放线路；
- 左右声道采用独立电源供电，极大限度提高了功放分离度；
- 每声道输出240W/8Ω功率，860W高品质环牛，高达12万微法音频专用定制电容，大功率音频专用名管并联输出，提供极大电流输出能力，功率储备充沛富裕，轻易驯服大食箱王；
- 高端大气的铝合金箱体，坚固耐用；机内布局严谨合理，抗干扰能力强；厚重精致的铝合金面板，外观简洁、大方；
- 使用天逸专利技术：高/低压两级电源智能切换管理，既可满足高保真甲类功率输出的同时又能符合节能环保的绿色理念(专利号：ZL201420783891.8)；
- 完善的功放保护线路（短路保护、过热保护、直流保护等）；
- 使用天逸专利技术：110V~/220V~电源自动转换功能，地区适应性强（专利号:ZL201420543195.X）。

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产品装箱单

序号	名称	规格型号	数量/单位
1	说明书（内含保修卡）	说明书	1本
2	电源线	电源线	1条
3	合格证	合格证	1张
4	遥控器	遥控器	1个
5	纽扣电池	纽扣电池	1只
6	光纤线	光纤线	1根

污染控制标识及其含量说明



此标志表示该产品在使用完结后可再利用。数字表示的是环境保护使用期限，只要遵守与本产品有关的安全和使用上的注意事项，从制造日算起在数字所表示的年限内，产品不会产生环境污染和对人体、财产的影响。

产品中有害物质的名称及含量

部件名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr ⁶⁺)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
机体/箱体	○	○	○	○	○	○
实装基板/电器部件	×	○	○	○	○	○
塑胶结构件	○	○	○	○	○	○
金属结构件	○	○	○	×	○	○
线缆类	○	○	○	○	○	○
变压器	○	○	○	○	○	○
扬声器/传声器	×	○	○	×	○	○

备注:本表格依据SJ/T11364的规定编制

“○”在该零部件的所有均质材料中的有害物质的含量不超过在GB26572标准规定的限量要求。

“×”在该零部件中至少一种均质材料中的有害物质的含量超过在GB26572标准规定的限量要求。

注:“×”为在现有技术下还没有可替代的物质。

一. 注意的重要防护措施



警告

机内带电危险请勿开盖



- 为了减低触电的危险，请勿拆卸外罩(或后盖)。
- 如须维修，应请符合资格的维修人员进行维修。
- 为了避免火灾及触电危险，请勿使本机淋湿或受潮。
- 安全防护类别：I类

1. 阅读防护措施：在使用设备前，仔细阅读说明书中所有防护与操作的有关警告信息。
2. 遵循使用说明：请遵循说明书中的操作与使用信息，请勿违反使用说明操作。
3. 请把本产品置于生产厂家推荐的地方：为防止本产品倾覆，请勿用力推，及移动时突然停止。
4. 远离水与潮湿：请勿将设备放在靠近水的地方，如浴缸、脸盆、水池、洗衣机等；也不能在高温高湿环境下使用，如潮湿的地下室等。
5. 清洁：请勿用液体清洁剂和雾状清洁剂，请用干布清洁。清洁设备前请先关闭机器并断开电源。
6. 电源：电源使用请按照产品使用标示。应合理布置走线，请勿踩踏、拉扯电源线，以免造成破坏。特别留意插头、方便插座和设备连接处的电线。
7. 通风：本产品外壳留有通风孔,用于通风。为确保产品使用性能可靠，应避免设备过热，请勿遮挡覆盖设备。不要在类似床、沙发、地毯等物的表面使用本产品。报纸、桌布、窗帘和其他物体都可能遮住通风孔。勿将设备放在可能挡住设备通风孔的窗帘旁边。如果设备是内置式安装，如书柜或架子上，请确保有足够的通风。设备两侧、上面、后面各保持10cm (4") 的距离。设备支架或上方遮板的后边缘应距离后面板或墙壁10cm (4")，留出通风散热的空间。
8. 热力 - 使产品远离热源，如散热器、火炉等能产生热能的物体(包括功率放大器)。
9. 防止异物或液体 - 应防止物体或液体透过洞口倒泻入机内，因为可能接触到电流或带电部分，导致火灾或电击。本产品不能置于雨淋或水溅之处，也不能将装水容器，如花瓶等置于其上。
10. 请在未开机前连接好所有输入/输出线再开机。
11. 雷电：在打雷闪电时，需要保护设备，请将电源线拔掉，可以有效防止雷电冲击。
12. 保护：①长时间不使用本产品时，请拔下电源插头。②良好的接地可防止本机受到破坏。
13. 维修：请勿自行打开设备外壳，以免触电。在以下情况，需要维修服务，请将本机送我厂当地 特约维修点进行维修。
 - a) 异物、液体进入本机内。
 - b) 设备被淋雨。
 - c) 机器操作异常。
 - d) 机器跌落或机体损坏。
14. 电池：注意环保，不要随意丢弃用过的废旧电池。
15. 关于电网电源的断开装置：本机用电源插头及器具耦合器作为断开装置。电源插头及器具耦合器应当保持能方便的操作。
16. 本产品仅适用于海拔2000m以下地区安全使用。



17. 本产品仅适用于非热带气候条件下安全使用。



18. I类结构的设备应当连接到带保护接地连接的电网电源输出插座上的警告。

二. 功能概述

- 1路同轴和2路光纤数字输入选择，同轴支持PCM和DSD解码；
- 2路非平衡和1路平衡输入选择；
- USB声卡，支持768k采样率PCM和DSD512软件解码/硬件解码；
- 手动开机/待机功能，触发开机/待机功能；
- 功放模式选择：A类/AB类/AUTO；
- 功放扬声器输出模式选择：A组/B组/A+B组；
- 面板待机、工作和保护显示功能；
- 110V~/220V~电源自动转换功能；
- 非平衡和平衡低音输出各1路；
- MC (动圈)/MM(动磁)唱机输入

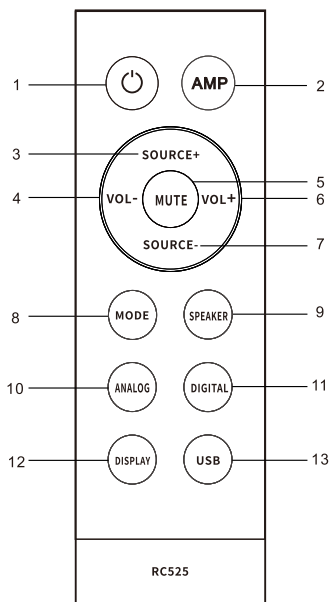
三. 特点概述

(本机为纯甲类电路设计，该电路具有音质温暖、醇厚、发热量高的特点使用过程中本机温度高于环境温度40℃以内为正常现象)

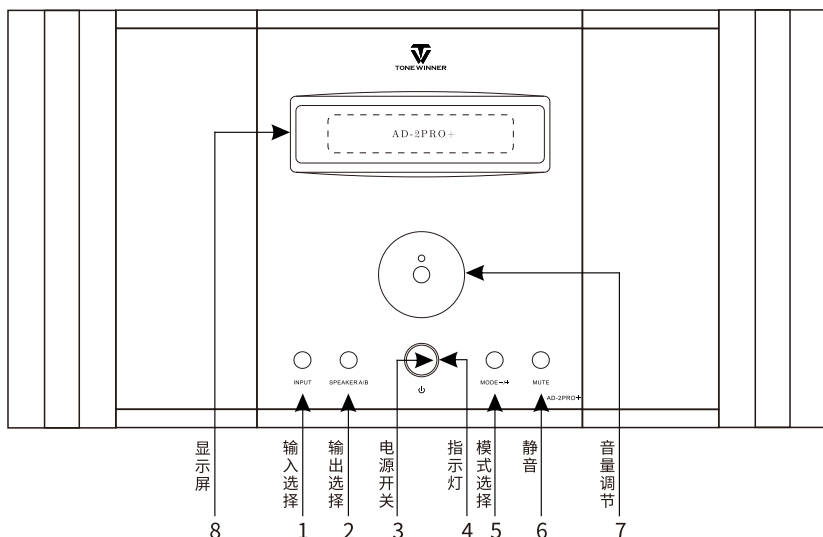
- 采用全平衡、全对称、差分输入到差分BTL功率输出的甲类功放线路；
- 输入级采用了共射共基放大线路；
- 电路动态大、转换速率高、谐波失真小、低噪音、瞬态响应好、线性度高、频响范围宽等特点；
- 电压放大级采用共基线路，进一步把功放开环增益提高，高频响应拓宽到极致；
- 输出级采用了三级达林顿驱动，大功率音频专用名管并联输出，大幅提高功放阻尼系数；
- 左右声道采用独立电源供电，极大提高了功放分离度；
- 功放前后级采用前高后低的供电方式，更充分发挥线路优点，令整机性能进一步提升；
- 采用了一只860W高品质环牛，高达12W微法音频专用定制电容，大功率音频专用名管并联输出，提供极大电流输出能力；
- 每声道输出240W/8Ω庞大功率，功率储备充沛富裕，轻易驯服各大品牌音箱；
- 采用天逸经典的独立分腔隔离结构设计，使各功能相互干扰影响降至最低；
- AD-2PRO+设置了高/低压两级电源智能管理切换电路，智能化供电方式既可满足高保真甲类功率输出的同时又能符合节能环保的绿色理念；
- 完善的功放保护线路（短路保护、过热保护、高频保护、直流保护等）；

四. 遥控器

1. 开机/关机
2. AMP: 在模拟输入中, 长按三秒进入/退出 纯功放模式
3. SOURCE+: 输入模式切换+
4. VOL-: 音量-
5. MUTE: 静音开关
6. VOL+: 音量+
7. SOURCE-: 输入模式切换-
8. MODE: 功放工作模式切换 (CLASS A甲类、CLASS AB乙类、AUTO自动)
9. SPEAKER: 功放输出组选择 (SPEAKER OUT A、SPEAKER OUT B、SPEAKER OUT A+B)
10. ANALOG: 模拟输入切换 (AN1、AN2、BAL)
11. DIGITAL: 数字输入切换 (OPT1、OPT2、COAX)
12. DISPLAY: 信息显示
13. USB: 将当前输入音源切换为USB输入



五. 面板介绍



1. INPUT键

输入选择键:在面板上轻触开关可循环选择输入信号通道。

2. SPEAKER A/B 键

功放功率输出组选择(依次循环选择A组/B组/A+B组模式):

A组:功放功率A组输出

B组:功放功率B组输出

注:A组、B组不能同时驱动两套4Ω扬声器系统。

此功能特为有一套以上不同风格或用途音箱的玩家而设。如:您可以将一套HI-FI音箱接在A组输出端,家庭影院音箱接在B组输出端,在您欣赏HI-FI音乐的时候可以选择A组输出,而当你想一家人一起看电影的时候,可以选择B组输出,省却了经常更换音箱线的麻烦。

A+B组:功放在A组和B组扬声器接线柱同时输出。

当您的音箱具有双线分音的功能时,可以选择A、B组同时输出,如:A组输出接高音喇叭,B组输出接中低音喇叭,给您更多的玩机乐趣。

* (此时务必去除高低音接线柱之间的桥接片,否则会造成功放保护或短路)。

3. 电源开关

电源开关

4. 电源指示灯:

工作时为蓝色,待机时为红色

面板介绍

5. MODE +/-键

功放静态偏置模式选择按键（依次循环选择CLASS A/CLASS AB/AUTO模式）：

强制甲类模式（CLASS A）：

当你切换到此模式下，本机内部的温度检测电路将不会工作，功放维持在甲类模式下，散热器发热量相对于甲乙类和自动模式下要明显增加，如果环境温度比较高或者本机散热条件比较差时（例如将本机放置在比较狭窄的机柜中）尽量不要选择到此模式下，而应选择在甲乙类或者自动模式下，以免带来安全隐患或造成不必要的损失

强制甲乙类模式（CLASS AB）：

当你切换到此模式下，本机内部的温度检测电路将不会工作，功放维持在甲乙类模式下，散热器发热量相对于甲类模式下会明显降低，而且静态功耗会明显降低。

自动模式（AUTO）：

在此模式下，当功放工作在甲类模式时，如果散热器温度上升到设定值，本机将从甲类模式自动转换到甲乙类模式下；而当温度下降到设定值时，本机将从甲乙类模式自动转换到甲类模式下；如果选择此模式，功放散热器发热量相对于甲类模式下会有所降低，让功放始终处在比较安全的工作状态下。

6. MUTE键

静音键：在非静音状态，轻触开关静音；再次按此键退出静音。

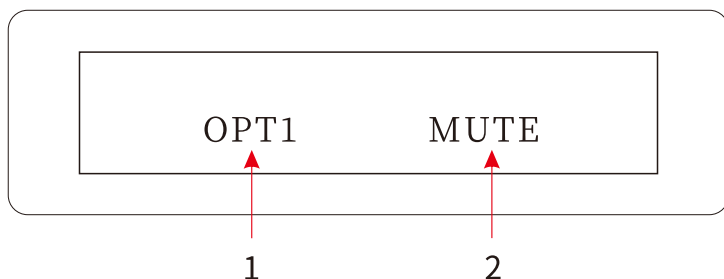
7. 音量旋钮：

旋转此旋钮可调音量大小。

8. 显示屏：

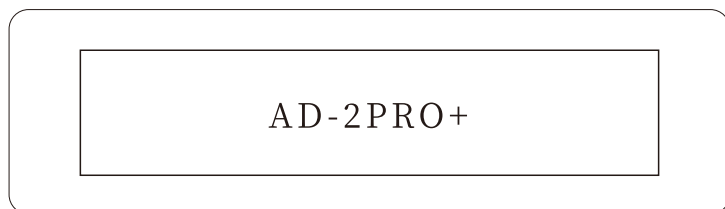
显示状态及操作信息。

六. 屏幕显示介绍



启动后的主界面显示:

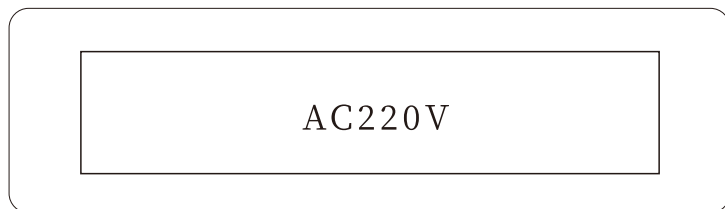
1. 输入显示: 显示当前输入通道可为模拟AN1、模拟AN2、唱机PHONO、数字同轴COAX、光纤OPT1、光纤OPT2、USB。
2. 音量状态显示: MUTE为静音状态。



机器型号



开机时显示软件版本号及启动状态



工作电压

屏幕显示介绍

unknown

未知信号类型。

NO SIGNAL

无数字信号显示。

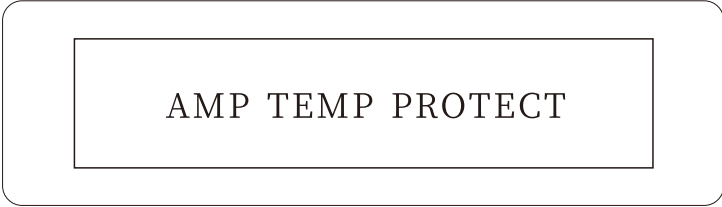
pcm 48k

采样率为48K的PCM数字信号。(最高为768K)

DSD 512FS

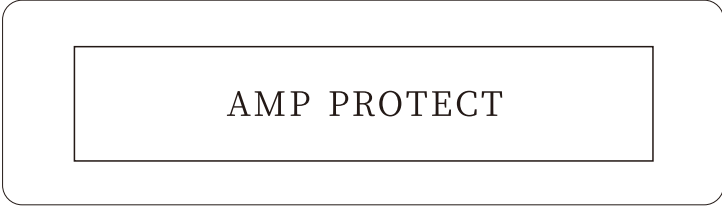
采样率22.5792MHZ的8倍DSD信号

屏幕显示介绍

A rectangular display screen with a black border, showing the text "AMP TEMP PROTECT" in white, centered. The screen is set within a larger rounded rectangular frame.

AMP TEMP PROTECT

功放过热保护显示, 正常情况下不会显示。

A rectangular display screen with a black border, showing the text "AMP PROTECT" in white, centered. The screen is set within a larger rounded rectangular frame.

AMP PROTECT

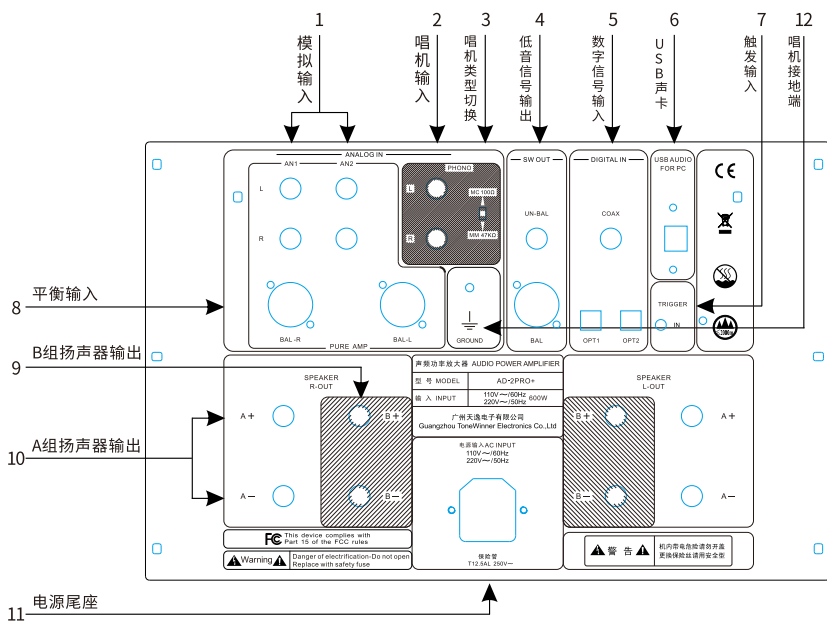
功放出现短路、过载、高频、直流等异常保护显示, 正常情况下不会显示。

A rectangular display screen with a black border, showing the text "TEMP PROTECT" in white, centered. The screen is set within a larger rounded rectangular frame.

TEMP PROTECT

变压器过热保护显示, 正常情况下不会显示。

七. 背板介绍



1. 模拟1/2通道, RCA输入L/R声道;
2. 唱机RCA输入L/R声道;
3. 唱机MM/动圈和MC/动磁类型切换开关;
4. 低音平衡和非平衡信号输出;
5. 光纤和同轴数字信号输入;
6. USB声卡;
7. 触发输入(12V触发);
8. XLR/平衡输入;
9. B组扬声器L/R输出接线柱;
10. A组扬声器L/R输出接线柱;
11. 电源尾座(110V~或者220V~输入);
12. 唱机接地端;

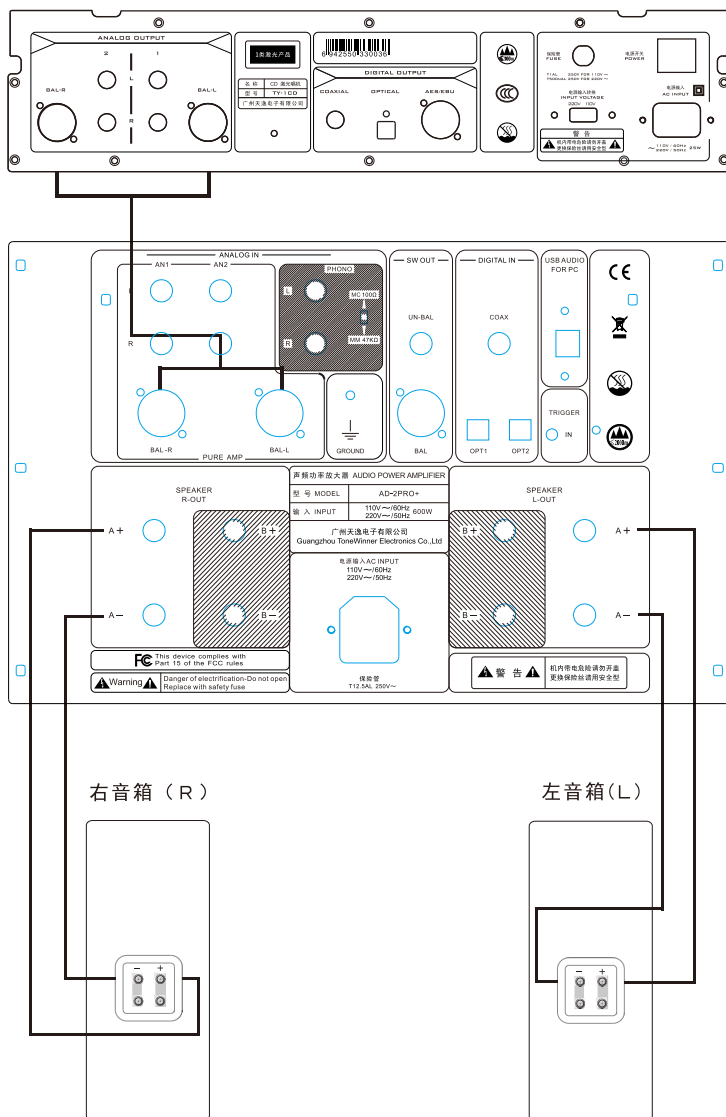
注:A组、B组不能同时驱动两套4Ω扬声器系统。

先把本机的输入、输出端子与其他音响设备正确连接好后再打开本机电源,如果本机在正常工作状态时拔插信号输入端子可能会导致功放出现误保护现象,重新开机可以排除此故障。

*警告:需根据不同唱机类型选择动圈/MM、动磁/MC开关,除唱机外严禁接入其他模拟信号,否则会引起本机或其它设备损害(本公司不再保修)。

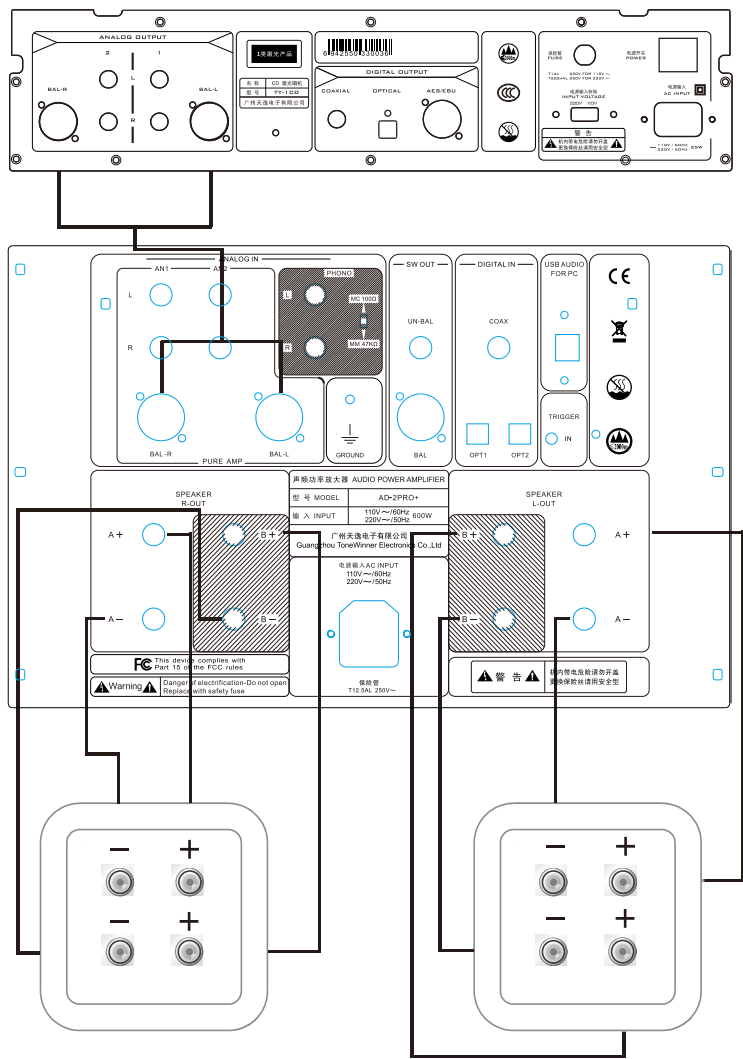
八.音响系统配置实例

1.标准模式播放系统接线示意图：优先选择数字信号输入，本机支持DSD无损信号解码。



2.双分音模式播放系统接线示意图：

*注意：接线前务必取掉音箱接线柱之间的连接片，否则会引起功放短路、损毁，因此带来的设备损坏本公司不承担保修！



右音箱（R）

左音箱(L)

九.主要技术指标

- 1.信噪比：≥100dB(A计权)
- 2.频率响应：15Hz~95KHz(+1/-3dB)
- 3.失真度：≤0.05%(1KHz, A计权)
- 4.输出功率：240W(THD: 1%, 1KHz, 8Ω单通道)
- 5.额定负载阻抗：8Ω
- 6.整机增益：40dB±1dB
- 7.甲类模式静态消耗功率：260W~320W；甲乙类模式静态消耗功率：70W~110W
- 8.待机功耗：<0.5W
- 9.净重：35.9kg
- 10.整机尺寸：444mm*424(460)mm*228(254)mm(宽X深X高)
- 11.执行标准：GB4943.1, GB/T9254.1, GB17625.1

十.安全防护类别：I类设备

- 1.使用前请仔细阅读使用说明书和本机安全注意事项。
- 2.产品应安装在便于散热的通风干燥处，避免水气和油烟。
- 3.安装时电源插头应接入交流110V~/220V~，电源频率为60Hz/50Hz的电网中。
- 4.功放机的输出端子应与规定的负载阻抗相连接，输出端子之间不能有短路，并不得与机壳有导电连接。
- 5.为防止触电，使用中用户切勿取下机盖。
- 6.不宜频繁开关机，关机后再开机应等待数分钟。
- 7.本机发生故障时，本厂实行“三包”，用户应送指定的商家或维修部维修或送本厂修理，用户切勿自行打开后盖检查或修理以免产生意外。
- 8.本机所用的插头、电源线、保险管、电源开关、电源变压器均为安全件，各维修部更换安全件时，应用本厂提供图纸资料上所规定的型号、规格和定点厂家的元器件更换。
- 9.USB声卡驱动及播放软件OSD设置说明下载地址：<http://www.tonewinner.com>

本产品规格若有变动，恕不另行通知

产 品 保 修 卡

姓名		电话		微信	
住址					
购买机型		购机日期		凭据号	
购机地点			机号		
维 修 记 录	对产品的建议和意见：				
	报修时间				
	故障现象				
	检修结果				
	维修员				

温馨提示

尊敬的用户：

感谢您选购天逸产品，我公司将严格按照国家“新三包”规定，为您提供优质的服务，解决您的后顾之忧。

保修注意事项：

- 1、妥善保存保修卡及购机凭证，产品保修时一并出示；
- 2、正常情况下，凭保修卡或购机凭证，公司提供一年的免费保修；
- 3、产品送修请填写详细故障现象及联系方式；
- 4、产品售后咨询QQ:800099647或拨打020-34789761。

退换货申明：

- 1、按国家规定自购买之日起，7天内因质量问题可选择在原购买点退、换货；
- 2、退、换产品务必保证内外包装完整、配件齐全；
- 3、退、换产品务必保证外观无划痕、磕伤及人为损坏痕迹；
- 4、退、换产品不影响二次销售。

以下情况不在免费保修范围内：

- 1、擅自涂改、撕毁机器的条码及串号；
- 2、用户自行拆卸、改制、修理等引起的产品损坏；
- 3、非正常使用或接入非标准电源、信号等造成产品损坏；
- 4、不可抗因素导致产品发生故障的；

关注“天逸音响”微信公众号：

- 1、关注公众号并注册所购产品，享受“一分钱”延保三个月服务。
- 2、关注公众号并注册所购产品，提供实物照片和500字以上用户体验（写信、电子文档，网上发文等）即可享受产品质保期延长半年，并获赠天逸官方论坛VIP资格，更可享受更多优惠；
- 3、延保期内产品往返运费自理，维修费用全免。

感谢您的合作！



广州天逸电子有限公司
地址：广州市番禺区大石街鸿盛三路1号2栋
电话：020-34789751、020-34789761
邮编：511430



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广州天逸电子有限公司

Q Q:800099647

电话:020-34789751/34789761

网址:<http://www.tonewinner.com>

地址:广州市番禺区大石街鸿盛三路1号2栋

Scan QR code



Guangzhou Tonewinner Electronics Co., Ltd

Tel: 86-20-34797660/34796146

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

Add: No.1, Hongsheng 3

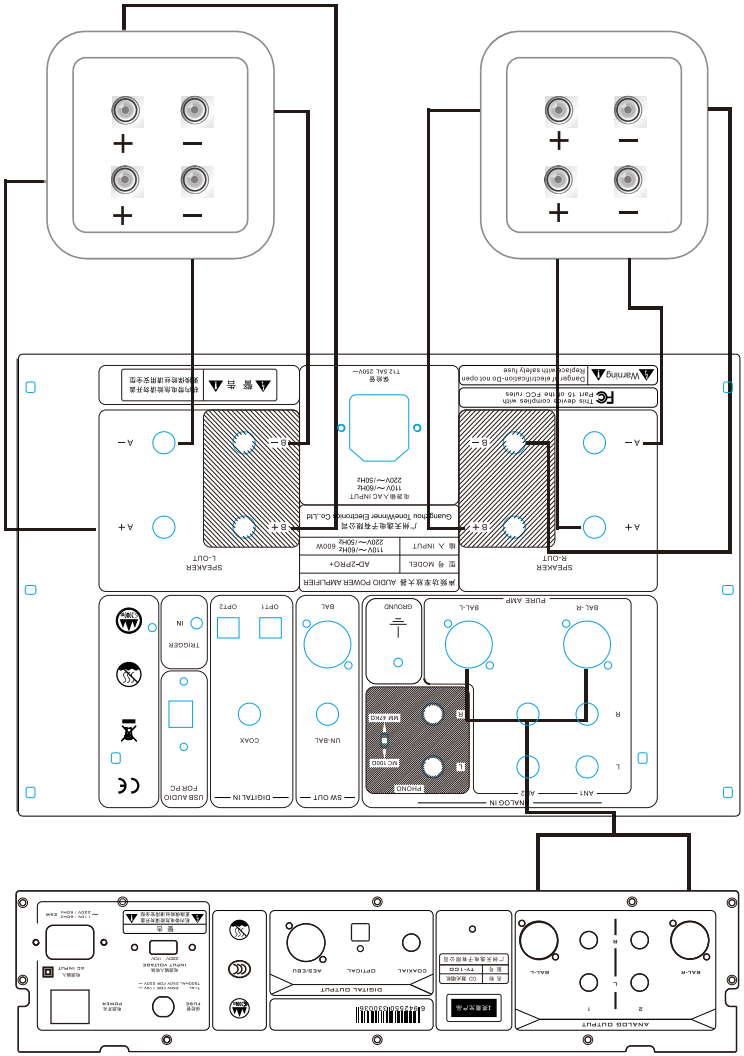
Road, Dashi, Panyu, Guangzhou, 511430, China

Specification

1. SNR: $\geq 100\text{dB}$ (A-weighted)
2. Frequency response: $15\text{Hz}\sim 95\text{KHz}$ ($+1/-3\text{dB}$)
3. THD: $\leq 0.05\%$ (1KHz , A-weighted)
4. Output power: 240W (THD: 1% , 1KHz , 8 ohm single channel)
5. Rated load impedance: 8 ohm
6. Gain: $40\text{dB}\pm 1\text{dB}$
7. Class A mode static power consumption: $260\text{W}\sim 320\text{W}$
- Class A and B mode static power consumption: $70\text{W}\sim 110\text{W}$
8. Standby power consumption: $< 0.5\text{W}$
9. N.W: 35.9kg
10. Size: $444\text{mm}\times 424(460)\text{mm}\times 228(254)\text{mm}$ (width X depth X height)

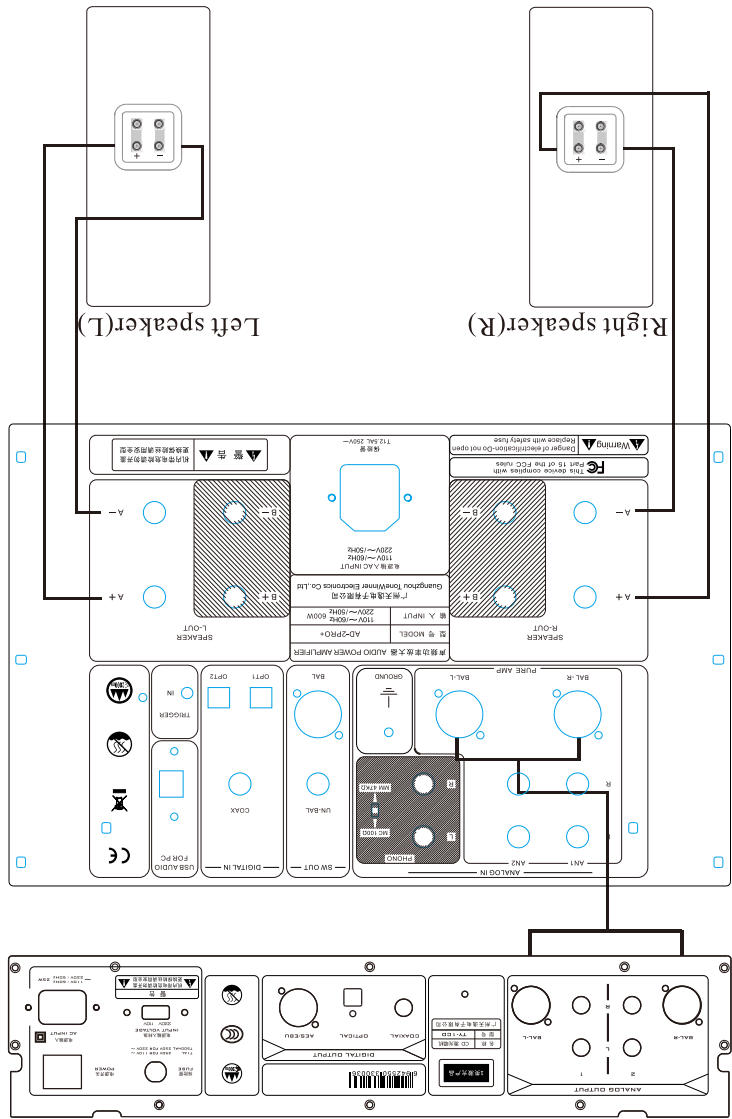
2. Wiring Diagram of speaker System in Bi-amp Mode:

*Note: Before wiring, be sure to remove the connecting piece between the speaker terminals, otherwise it will cause attack and defense short circuit and damage, so the company does not bear the warranty for equipment damage!



Audio System Configuration Example

1. Wiring diagram of speaker system in standard mode:
Preferentially chose digital signal input. The equipment supports DSD
lossless signal decoding.



Screen Display Introduction

AMP TEMP PROTECT

Amplifier overheating protection display, it will not display under normal circumstances.

AMP PROTECT

The power amplifier has abnormal protection display such as short circuit, overload, high frequency, DC, etc., which will not be displayed under normal circumstances.

TEMP PROTECT

Transformer over heating protection display, it will not display under normal circumstances.

Screen Display Introduction

unknown

Unknown signal type displaying

NO SIGNAL

No signal displaying

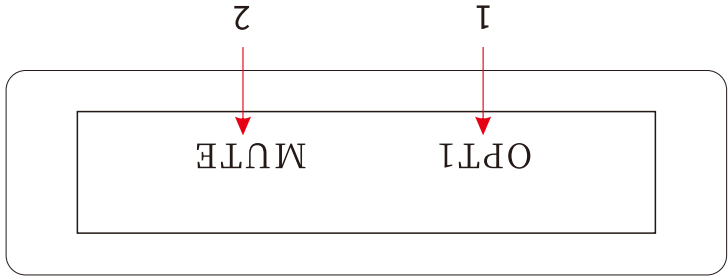
pcm 48k

Sampling rate is 48k PCM digital signal. (up to 768k)

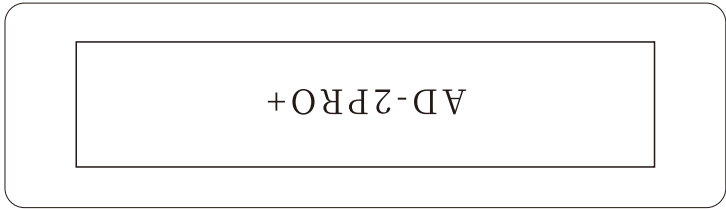
DSD 512FS

Sampling rate is 8 times DSD signal of 22.5792 MHz

Screen Display Introduction



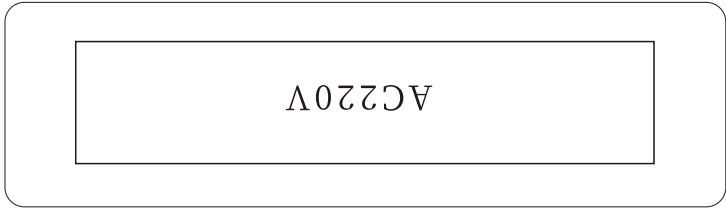
Main interface display after startup:
1. Input display: Display current input channel, which can be An1, An2, PHONO, COAX, OPT1, OPT2, and USB.
2. Volume status display: MUTE stands for mute.



Display model NO



Display software version & startup status upon startup



Working voltage

Front Panel Introduction

5. Power Amplifier Static Bias Mode Option Button(circulate in order Class A/Class AB/AUTO):

- ① Class A mode:
In this mode, the temperature detection circuit in the equipment will not work, and the power amplifier is maintained under Class A mode. The heat from the heat sink apparently will rise as compared to Class A. If the environment temperature is high or the heat dissipation capacity of the equipment is poor (such as placing the equipment in a narrow cabinet), please avoid choosing this mode, & select Class AB or AUTO to prevent safety risk or unnecessary loss.
- ② Class AB mode:
In this mode, the temperature detection circuit in the equipment will not work, and the power amplifier is maintained under Class AB mode. The heat from the heat sink apparently will reduce as compared to Class A, and the static power consumption will reduce prominently.
- ③ AUTO mode:
In this mode, when the power amplifier is working under Class A, if the heat sink temperature rises to the set value, the equipment will automatically switch from Class A to Class AB; if the temperature drops to the set value, the equipment will automatically switch from Class AB to Class A; if this mode is selected, the heat from the power amplifier heat sink will reduce as compared to Class AB mode to keep the power amplifier in a relatively safe working condition.

6. Mute button:

Tap the switch to mute the equipment if it is not muted; tap again to quit muting.

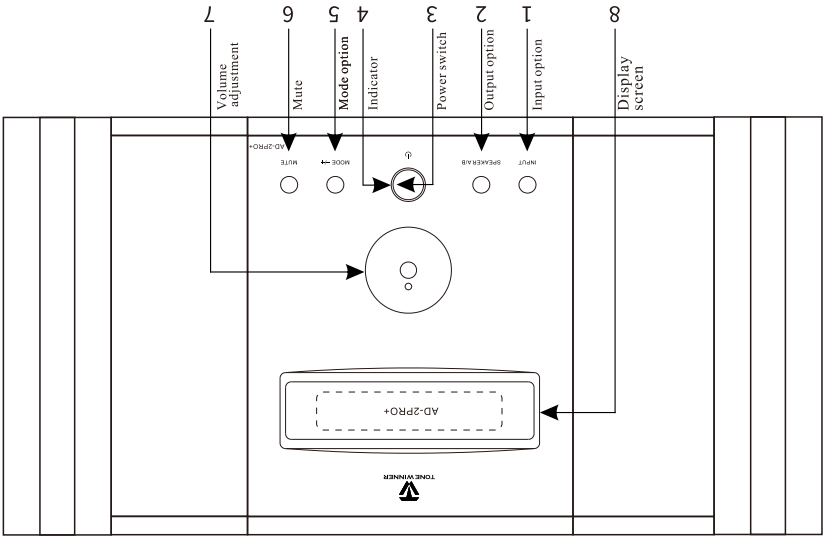
7. Volume Knob:

Rotate the knob to adjust volume.

8. Display:

Display status and operating information.

Front Panel Introduction



1. INPUT key:

Input selection key: Touch the switch on the front panel to cycle through the selection of input signal channels.

group A/ group B/ group A+B mode)

Group A: the power amplifier outputs at the terminals of group A loudspeakers.

Group B: the power amplifier outputs at the terminals of group B loudspeakers.

Note: Group A and group B cannot simultaneously drive two sets of loudspeaker system.

The function is particularly designed for users with more than one set speaker system of different styles or purposes. For example: you can connect a set of Hi-Fi speaker to group A output terminal and home theater speakers to group B output terminal. While enjoying Hi-Fi music, you can choose group A output; while watching TV with your family, you can choose group B output. It saves the trouble of changing cables.

Group A+B: The power amplifier outputs at the terminals of both group A and group B.

When your speaker is fitted with Bi-amp function, choose group A and group B for simultaneous output. For example: group A output is connected to tweeter and group B output to mid & bass horn to provide more fun (At this time, be sure to remove the bridge piece between the twiter and woofer binding posts, otherwise it will cause amplifier protection or short circuit.)

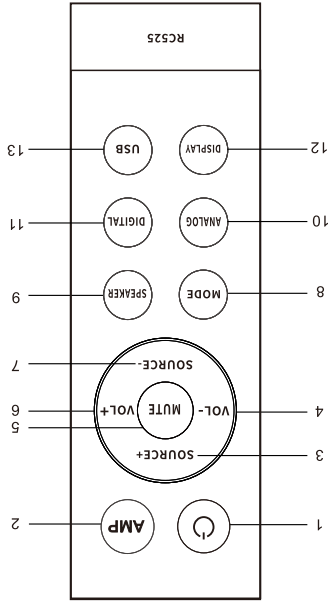
3.Power Switch

4.Power Indicator:

Take blue when working and red when standing by.

Remote Control

1. Power on/off.
2. AMP: In analog input, press and hold for three seconds to enter/exit pure power amplifier mode.
3. SOURCE+: Input Mode switch+
4. VOL-: Volume-
5. MUTE: mute switch.
6. VOL+: Volume+
7. SOURCE-: Input mode switch-
8. MODE: Power amplifier working mode switch: CLASS A, CLASS AB, & AUTO.
9. SPEAKER: Power amplifier output group selection: SPA, SPB, & SPA+B.
10. ANALOG: analog input switching: AN1, AN2, BAL.
11. DIGITAL: digital input switching: OPT1, OPT2, & COAX.
12. DISPLAY: Information display.
13. USB: Switch the current input audio source to USB input.



Overview of Functions

- 1 way coaxial input and 2 ways optical digital inputs, coaxial support PCM and DSD decoding.
- 2 ways unbalanced and 1 way balanced input.
- USB sound card, support 768k sampling rate PCM and DSD512 software decoding/hardware decoding.
- Manual power-on/standby function, trigger power-on/stand by function.
- Amplifier modes selection: Class A/Class AB/AUTO.
- Amplifier and speaker output type selection: A group/B group/A+B group.
- Front panel standby, work and protection display functions.
- 110V~220V~ power supply automatic conversion function.
- 1 channel of each for unbalanced and balanced bass output.
- MC(moving coil)/MM(moving magnet) phono input.

Overview of Features

(This machine is designed with pure Class A circuit, which has the characteristics of warm sound, mellow and high calorific value. It is normal that the temperature of this machine is higher than the ambient temperature within 40°C during use.)

- Adopt fully balanced, fully symmetrical, differential input to differential BTL power output Class A power amplifier circuit.
- The input stage adopts a cascode amplifier circuit.
- High circuit dynamics, high slew rate, low harmonic distortion, low noise, good transient response, high linearity, wide frequency response range, etc.
- The voltage amplifier stage adopts a common base circuit, which further improves the open-loop gain of the power amplifier and broadens the high-frequency response to the extreme.

- The output stage adopts a three-stage Darlington driver, and the high-power audio dedicated famous tubes are output in parallel, which greatly improves the damping coefficient of the power amplifier.
- The left and right channels are powered by an independent power supply, which greatly improves the separation of the power amplifier.
- The preamp and power amplifier of the unit adopt the power supply mode of high and low back, which can give full play to the advantages of the circuit, so that the performance of the whole machine is further improved.

- Using an 860W high-quality toroidal transformer, up to 120,000 microfarads of audio-specific custom capacitors, and high-power audio-specific famous tubes for parallel output, providing maximum current output capability.
- 240W/8Ω power output for each channel, and abundant power reserve for driving high power demanded speaker easily.
- Using Toneinner classic independent cavity isolation structure design to minimize the mutual interference and influence of various functions.

- AD-2PRO+ is equipped with high/low voltage two-level power intelligent management switching circuit. The intelligent power supply mode can not only meet the high-fidelity class A power output, but also meet the green concept of energy saving and environmental protection.
- Perfect power amplifier protection circuits: short circuit protection, overheat protection, high frequency protection, DC protection, etc.

Significant Safety Measures



- To reduce the risk of electrocution, please do not remove the outer cover (or rear cover)
- If maintenance is required, please hire eligible maintenance personnel.
- To avoid fire and electrocution, please do not put the equipment in a wet or damp environment.
- Safety Class: I

1. Read safety measure: read carefully all the important information on protection and operation in the manual before using the equipment.

2. Obey User Manual: please obey the information on operation and use in the manual. Please do not violate the manual.

3. Please place the product in a place recommended by the manufacturer: to prevent to product from capsizing, please do not push hard or suddenly stop during movement.

4. Keep away from water and moisture: please do not place the equipment near water, such as bath tub, basin, sink, or washing machine, etc.; do not use the equipment under high temperature or humidity, such as damp basement, etc.

5. Cleaning: please do not use liquid or vaporific detergent. Please clean it with dry cloth. Please turn the equipment off and cut the power off before cleaning.

6. Power source: please use power source in accordance with the product operating sign. Lay out the wiring rationally. Please do not stomp or pull the power line to avoid damage. Pay special attention to the wires between the plug, convenient socket, and equipment.

7. Ventilation: vent holes are reserved on the outer shell of the product for the purpose of ventilation. To ensure the reliability of product performance, overheating shall be avoided. Please do not cover the equipment or use it on the surface of bed, sofa, carpet, etc. Newspaper, tablecloth, curtain, or other objects might block the vent hole. Please do not place the equipment next to curtain which might block the vent hole. If the equipment is built-in, or on the cabinet or shelf, please make sure it is sufficiently ventilated.

Keep a 10cm (4") distance to the sides, top, and rear. The rear rim of the equipment support or top cover shall be 10cm (4") to the panel or wall in the back to reserve space for ventilation and heat dissipation.

8. Heating power- keep the product away from heat source, such as radiator, stove, or other objects which might generate heat (including power amplifier).

9. Prevent foreign matter or liquid- prevent object or

- liquid from entering the machine through holes because it might be exposed to current or live part and cause fire or electrocution. The product shall not be placed in rain or water. Do not place vessels containing water such as vase, etc. on the top of it.
10. Please properly connect all input/output lines before turning the equipment on.
11. Lightning: the equipment needs protection during thunder and lightning. Please pull off the power line to effectively prevent lightning strike.
12. Protection: 1) please pull off the plug when the product is idle. 2) Good grounding can prevent the equipment from damage.
13. Maintenance: please do not open the equipment shell to prevent electrocution. Please deliver the equipment to the local maintenance point of our plant if maintenance service is needed in the following cases.
- a) Foreign matter or liquid enters the equipment. b) The equipment is exposed to rain. c) Misoperation occurs.
- d) The equipment falls or the body is damaged.
14. Battery: pay attention to environmental protection and do not discard used battery at will.
15. Disconnecting device of grid power: the power plug and coupler on the equipment serve as the disconnecting devices. The power plug and coupler shall enable convenient operation.
16. The product is only applicable to regions below 2000m altitude.



17. The product is only applicable to non-tropical climate.



18. Warning that equipment of category-I structure shall be connected to the grid power output socket with protective ground joint.



TONE WINNER

Accessories List

Number	Item	Quantity
1	Manual	1 piece
2	Power cord	1 piece
3	Optical Cable	1 piece
4	Certificate	1 piece
5	Remote Control	1 piece



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.

Pollution Control Sign and Content Description

Names and Contents of Hazardous Substances in the Product

Toxic or Harmful Substance or Element						Name of Parts
Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr 6+)	Polybrominated (PBB)	Biphenyls polypheyls (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.

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Thank you for choosing Tonewinner audio products. We will serve you with "High technology, High quality and High taste" enterprise philosophy, will serve you with exquisite craft, classical circuit, high technologies, first-class quality and first-class services. We will bring all customers with our stable, reliable, durable and pleasant technology achievements!

- Fully balanced, fully symmetrical, differential input to differential BTL power output Class A power amplifier circuit.

- The left and right channels are with independent power supply, which greatly improves the separation of the amplifier.

- Each channel are with 240W/8 Ω power, 860W high-quality toroidal transformer, up to 120,000 microfarads of audio-specific custom capacitors, high-power audio dedicated famous transistors in parallel output, providing great current output capability, abundant power reserve.

- High-end sturdy and durable aluminum chassis, rigorous and reasonable internal layout, and the strong anti-interference ability. The thick and delicate aluminum front panel looks simple and elegant.

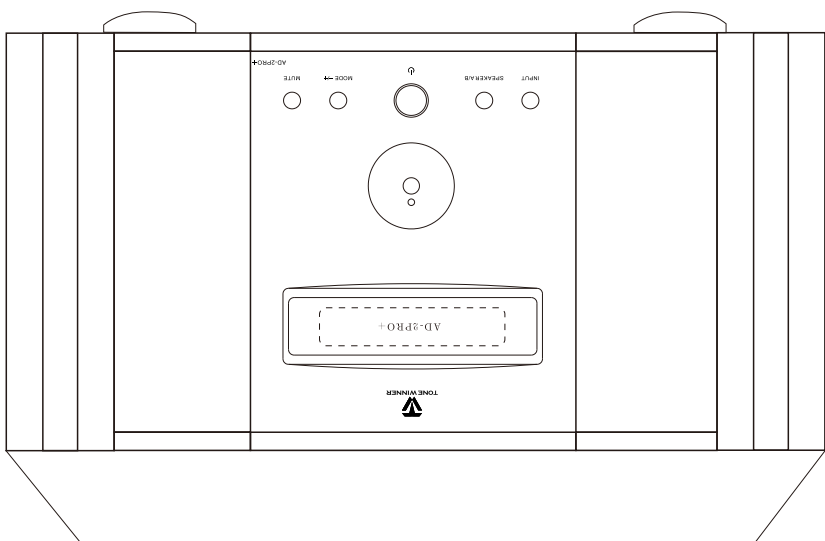
- Using Tonewinner patented technology: high/low voltage two-level power supply intelligent switching management, which can not only meet the high-fidelity class A power output, but also meet the green concept of energy saving and environmental protection (patent number: ZL201420783891.8).

- Perfect power amplifier protection circuits: short protection, overheat protection, DC protection, & etc.

- Using Tonewinner's patented technology: 110V~/220V~ power supply automatic conversion function, strong regional adaptability (patent number: ZL201420543195.X).

ISO9001 Certified Enterprise

AD-2PRO+ User Manual



TONE WINNER

