

# TAKSTAR® 得胜



## A 系列 专业功率放大器 A Series Professional Power Amplifier

使用手册 | User Manual

# A系列 专业功率放大器

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## ■ 前言

感谢您选购得胜A系列专业功率放大器,为了您能够更好地了解使用本产品,建议您在使用前仔细阅读本说明书。

若存在有疑问或者您有宝贵的建议,可通过拨打得胜官方服务热线400 6828 333或微信扫描二维码关注得胜官方公众号与我们联系。



## ■ 产品特性

- Class-AB+环牛供电设计;
- 模拟功放具有声音甜美,中高频细腻低频有力的特征;
- 前面板精准增益控制,有电源、信号、保护和削波的工作信号灯;
- 每通道独特全自动保护电路设计,具有短路、直流、过热、过载保护功能;
- 从后排到前排的散热排风系统设计,确保设备长时间高可靠运行和使用;
- 采用平衡XLR输入接口和专业SPEAKON输出接口;
- 多种工作模式选择,后排拨码开关可选择立体声、并联或桥接工作模式。

## ■ 适用范围

适用于会议、演讲、报告厅等

## ■ 产品配置

功放 .....	1台
说明书.....	1份

# A系列 专业功率放大器

## ■ 技术参数

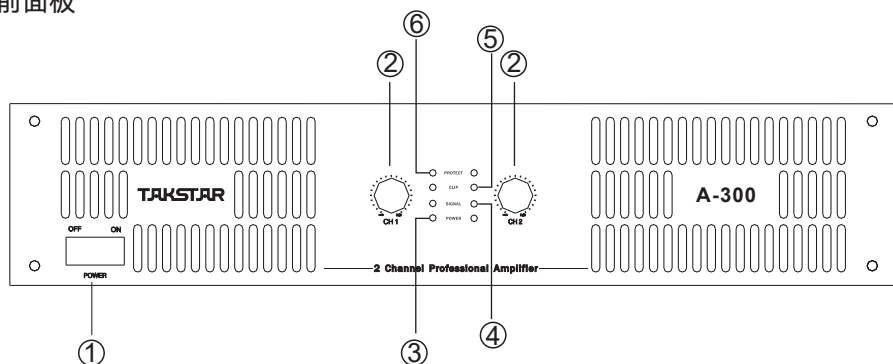
型号		A-200	A-300	A-500
额定输出功率 (1kHz1%THD)	立体声 8Ω	240W+240W	360W+360W	600W+600W
	立体声 4Ω	310W+310W	480W+480W	830W+830W
	桥接 8Ω	600W	910W	1500W
输出接口	Binding for Stereo & Bridge Output			
频响	20Hz-20kHz			
输入灵敏度	1.0V			
平衡输入阻抗	20k Balanced/10k Unbalance			
信噪比	99dB			
失真度	<0.1% (8ohm/1kHz/half power)			
额定输出功率 8 OHM 1kHz 时分离度	80dB			
阻尼系数 f=1kHz 8 OHMS	250			
转换速率	30 V/μs			
保护	Soft Start,Short Circuit,Limiter,DC Fault, AC Line Fuse,Thermal Cut			
冷却系统	风冷			
电源	AC: 220-240V 50Hz			
净重 (kg)	约11kg	约11.8kg	约12.5kg	
尺寸 (W×D×H)	485×370×88mm			

注:以上数据由得胜实验室测试得到,并拥有最终解释权!

# A系列 专业功率放大器

## ■ 功能示意

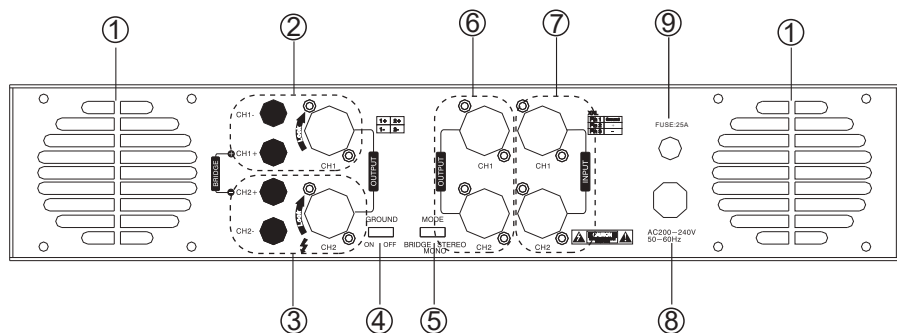
### 前面板



- ① 电源开关: 开关按动到右边打开功放电源, 按动到左边则关闭功放电源。
- ② 功放音量旋钮: CH1/CH2通道音量旋钮, 顺时针旋转加大音量, 逆时针旋转减小音量。
- ③ 电源指示灯 (POWER): 电源开关打开后该指示灯常亮。
- ④ 信号指示灯 (SIGNAL): 当有音频信号输入功放时, 该指示灯亮起。
- ⑤ 削波指示灯 (CLIP): 当信号处于失真状态时, 该指示灯亮起。
- ⑥ 保护指示灯 (PROTECT): 当输出短路时该指示灯亮起。

# A系列 专业功率放大器

## 背面板



① 风扇和通风孔:功放在工作时会产生热量,要保证此处没被任何物品遮挡。

② CH.1功放输出

使用专业的卡侬和香蕉插座:CH.1输出:1+, 1-。

③ CH.2功放输出

使用专业的卡侬和香蕉插座:CH.2输出:1+, 1-。

④ 接地分离开关

-当置于悬浮时,线路地与机壳浮具1MΩ以上的绝缘电阻。

-当置于接地时,线路地与机壳相接。

⑤ 输出模式开关:可选择立体声、并联、桥接三种模式。

-STEREO:立体声工作模式

-MONO:单声道并接模式,此时两声道输出同一信号,分别驱动两个音箱。

-BRIDGE:桥接单声道模式,此时输出电压加倍,注意使用4Ω以上阻抗负载。

⑥ CH.1/CH.2 XLR信号输出:使用一个标准的XLR(公)插座,与同样为XLR(母)连接使用可以将同一个信号输出到另外一台功放,接线方法为:1脚:GND(地)、2脚:POS(+)、3脚:NEG(-)。

⑦ CH.1/CH.2 XLR信号输入:使用一个标准的XLR(母)插座,其接线方法为:1脚:GND(地)、2脚:POS(+)、3脚:NEG(-)。

⑧ 电源线:连接AC 220V/50Hz市电为功放供电。

⑨ 保险管:220V25A保险管。

# A系列 专业功率放大器

## ■ 安全警示

为避免电击、高温、着火、辐射、爆炸、机械危险以及使用不当等可能造成的人身伤害或财产损失，使用本产品前，请仔细阅读并遵守以下事项：

1. 使用产品时请确认所连设备与本产品是否匹配以及合理调整音量大小，不要在超过产品功率及大音量下长时间使用，以免造成产品异常；
2. 使用中若发现有异常（如冒烟、异味等），请立即关闭电源开关并拔掉电源插头，然后将产品送售后服务网点检修；
3. 消费者若使用电源适配器供电，则应购买配套使用获得CCC认证并满足标准要求的电源适配器；
4. 本产品及配件都应放置在室内干燥通风处，请勿长期存放在潮湿、灰尘多的环境，使用中避免靠近火源、雨淋、进水、过度碰撞、抛掷、振动本机及覆盖通风孔，以免损坏其功能；
5. 使用该产品时需遵守相关安全规定，法律法规明确禁止使用场合请勿使用本产品，以免导致意外事故；
6. 请不要自行拆机改装或维修，以防止出现人身伤害，如有问题或服务需求请联系当地售后服务网点跟进处理。

## ■ 关于图标含义解释



此符号表示，根据WEEE指令(2012/19/EU)和国家法律，由于这种类型的废弃物会有潜在的有害物质，可能对环境 and 人类健康产生负面影响，所以本产品不应与您的家庭垃圾一起处置，应将本产品交由授权的电气和电子设备（WEEE）回收站回收。同时，您在正确处理本产品的同时将有助于自然资源的有效利用。如需了解更多有关您可以在何处放置废物回收设备的信息，请联系您当地的城市办事处、废物管理局或家庭废物处理服务部门。

## ■ 关于本说明书

本说明书中内容符合截止印刷之日的技术规格。由于得胜公司会不断改进产品，本说明书可能不符合您的特定产品的技术规格。要获取最新版说明书，请访问得胜官网，然后下载说明书文件。技术规格、设备或另售的附件在各个地区可能有所不同，如有问题请与当地得胜销售网点确认。如需更多支持和深层产品信息，请浏览得胜官方网站：<https://www.takstar.com>

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# A Series Professional Power Amplifier

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## ■ Preface

Dear Customer,

Thanks for purchasing our product. Read this manual thoroughly for proper use.

If you have any questions or suggestions, please contact our local sales service.

## ■ Features

- Class-AB design with toroidal transformer power supply.
- Analog amplifier offers sweet sound, detailed mids/highs, and powerful lows.
- Front panel with precise gain control and indicator lights for power, signal, protection, and clipping.
- Each channel includes an automatic protection circuit for short circuit, DC, overheating, and overload.
- Rear-to-front fan cooling system for reliable long-term operation.
- Balanced XLR input and professional SPEAKON output connectors.
- Selectable operating modes via rear DIP switch: stereo, parallel, or bridged.

## ■ Applications

Suitable for conferences, speeches, and auditoriums.

## ■ Package Contents

1 × Power Amplifier

1 × User Manual

# A Series Professional Power Amplifier

## ■ Specifications

Model		A-200	A-300	A-500
Rated Output Power (1kHz1%THD)	Stereo 8Ω	240W+240W	360W+360W	600W+600W
	Stereo 4Ω	310W+310W	480W+480W	830W+830W
	Bridge 8Ω	600W	910W	1500W
Output Connections		Binding for Stereo & Bridge Output		
Frequency Response		20Hz-20kHz		
Input Sensitivity		1.0V		
Balanced Input Impedance		20k Balanced/10k Unbalance		
Signal-to-Noise Ratio		99dB		
Total Harmonic Distortion		<0.1% (8ohm/1kHz/half power)		
Separation at 8 Ω 1 kHz, Rated Output Power		80dB		
Damping Factor (f=1 kHz, 8 Ω)		250		
Slew Rate		30 V/μs		
Protection Features		Soft Start, Short Circuit, Limiter, DC Fault, AC Line Fuse, Thermal Cut		
Cooling System		Fan Cooling		
Power Supply		AC: 220-240V 50Hz		
Net Weight (kg)		About 11kg	About 11.8kg	About 12.5kg
Dimensions (W×D×H)		485×370×88mm		

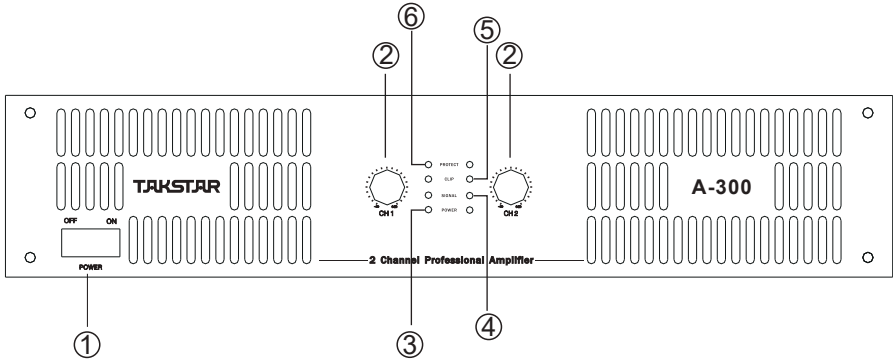
Note: The above data are measured by Takstar laboratory which has the final interpretation right!



# A Series Professional Power Amplifier

## ■ Function Descriptions

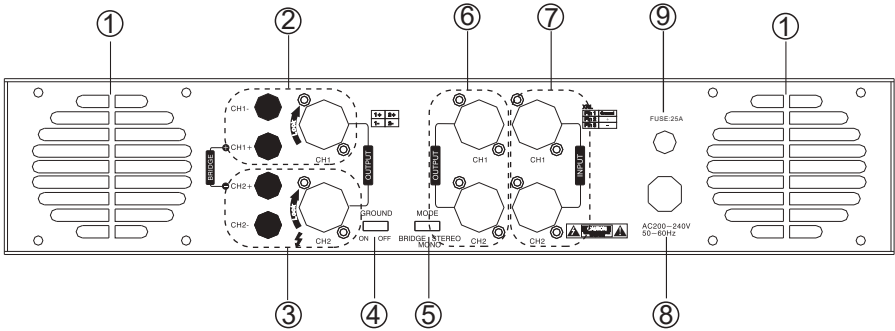
### Front Panel Functions



- ① Power Switch: Press to the right to turn on the amplifier; press to the left to turn it off.
- ② Volume Knob: Adjusts volume for CH1/CH2 channels; turn clockwise to increase and counterclockwise to decrease.
- ③ Power Indicator (POWER): Illuminates when the power switch is on.
- ④ Signal Indicator (SIGNAL): Lights up when audio signal is input to the amplifier.
- ⑤ Clip Indicator (CLIP): Lights up when the signal is distorted.
- ⑥ Protection Indicator (PROTECT): Illuminates during output short circuit.

# A Series Professional Power Amplifier

## Rear Panel Functions



- ① Fan and Ventilation Grills: Ensure these areas are unobstructed during operation to dissipate heat.
- ② CH.1 Amplifier Output: Features professional XLR and banana plug connectors; CH.1 output: 1+, 1-.
- ③ CH.2 Amplifier Output: Features professional XLR and banana plug connectors; CH.2 output: 1+, 1-.
- ④ Ground Isolation Switch:
  - FLOAT: Provides insulation of over 1 M $\Omega$  between the circuit ground and chassis.
  - GROUND: Connects circuit ground to chassis.
- ⑤ Output Mode Switch: Selects between stereo, parallel, or bridged modes.
  - STEREO: Stereo operating mode.
  - MONO: Parallel mono mode; both channels output the same signal to drive two speakers.
  - BRIDGE: Bridged mono mode; doubles output voltage, use with loads of 4  $\Omega$  or higher.
- ⑥ CH.1/CH.2 XLR Signal Output: Connects to a standard XLR (male) connector to output the same signal to another amplifier; wiring: Pin 1: GND, Pin 2: POS (+), Pin 3: NEG (-).
- ⑦ CH.1/CH.2 XLR Signal Input: Connects to a standard XLR (female) connector; wiring: Pin 1: GND, Pin 2: POS (+), Pin 3: NEG (-).
- ⑧ Power Cable: Connects to AC 220V/50Hz power supply.
- ⑨ Fuse: 220V, 25A fuse for protection.

# A Series Professional Power Amplifier

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## ■ Safety Instructions

To avoid electric shock, overheat, fire, radiation, explosion, mechanical risk and injury or property loss due to improper use, please read and observe the following items before use:

1. Please check if the power of the connected equipment matches with that of this product before operation. Adjust the volume to proper level during operation. Do not operate at over-power or high-volume level for extended time to avoid product malfunction.
2. If there is any abnormality during use (e.g., smoke, strange odor), please kill the power switch and unplug from power source, then send the product to the local after-sales service for repair.
3. Power adapter used, if any, should be approved by CCC certification or similar standards and comply with the power supply requirements.
4. Keep this product and its accessories in a dry and ventilated area. Do not store in a humid or dusty area for extended time. Keep away from fire, rain, liquid intrusion, bumping, throwing, vibrating, or from blocking any ventilation openings, to prevent malfunction.
5. Please abide by safety rules during operation. Do not use the product in places prohibited by laws or regulations to avoid accident.
6. Do not disassemble or repair the product by yourself to avoid injury. If you have any questions or require any services, please contact our local after-sales service.

# A Series Professional Power Amplifier

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## ■ Label Meanings



This symbol indicates that this product should not be disposed of with your household waste, according to the WEEE directive (2012/19/EU) and your national law. This product should be handed over to an authorized collection site for recycling waste electrical and electronic equipment (WEEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with WEEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, or your household waste disposal service.

## ■ About This Manual

This manual contains up-to-date technical specifications as of printing. However, specifications contained herein may not conform to your particular product since Takstar is constantly improving its products. Also, specifications, devices or accessories available may vary from region to region. If you have any questions, please contact our local sales outlet. For the latest version/more information, please visit our website: <https://www.takstar.com/>

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## 产品服务保证书

姓名：\_\_\_\_\_ 电话：\_\_\_\_\_ 地址：\_\_\_\_\_

商品：\_\_\_\_\_ 型号：\_\_\_\_\_ 购买日期：\_\_\_\_\_ 年 \_\_\_ 月 \_\_\_ 日

维修记录栏 (由维修员填写)	维修员签名	日期

### 注意事项：

1. 本单为保修凭证，请用户妥善保管，如有遗失，恕不保修或退换。
2. 保修期限制：购买之日起十二个月内。
3. 除了不可抗力事件损坏外，由本公司负责，免费维修。
4. 如属保管不善或使用不当造成的损坏，维修点将酌情收费。
5. 擅自拆卸维修者，不予保修。
6. 以上保修条款仅限于中国市场适用（不含港澳台地区）。

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