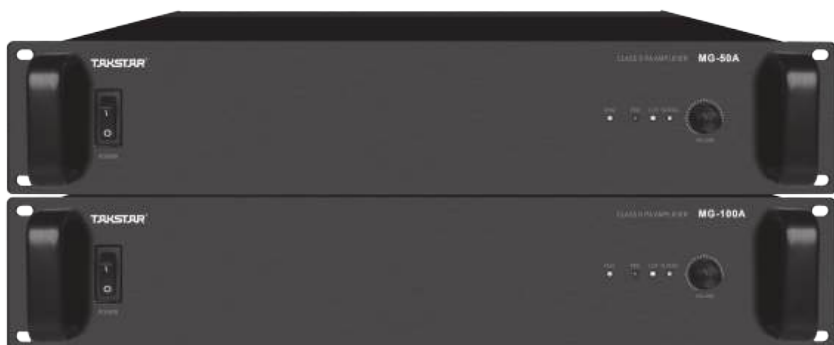


TAKSTAR® 得胜



MG-A系列 广播纯后级数字功放

MG-A Series Class-D Broadcast Amplifier

使用说明
User Manual

MG-A系列广播纯后级数字功放

■ 前言

感谢您选购得胜MG-A系列广播纯后级数字功放,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

- 采用国际极先进功率放大器,具有高效节能、重量轻、体积小、功率大、带载能力强等特点。
- 1路平衡XLR输入,1路非平衡RCA输入,1路平衡XLR输出,1路非平衡RCA输出,可级联到下一级功放。
- 设有音量调节功能。
- 设有先进短路、过热、过载保护功能。
- 线路设有限幅功能,可预防功放输出过大保护喇叭。支持多种指示灯显示(电源、信号、削峰、保护LED指示灯)。
- 采用风机强制散热结构,可以让机器长时间工作。
- 具有市电波动保护功能,支持过压保护,欠压保护。

■ 适用范围

适用于景区、学校、工程安装等

MG-A系列广播纯后级数字功放

■ 包装清单

功放	1台
电源线.....	1条
说明书.....	1份

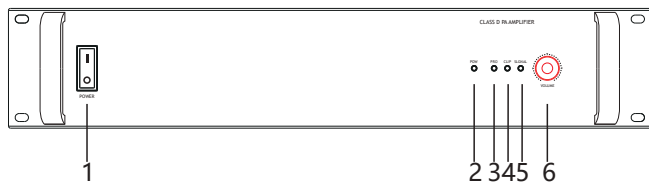
■ 技术参数

型号	MG-50A	MG-100A
输出功率	500W	1000W
产品毛重	5KG	
电源	AC220V	
定压输出	100V±5%	
频响	20~20KHz	
线路非平衡输出	OdB	
信噪比	>85dB	
效率	>90%	
谐波失真	THD≤1%(1/8额定功率)	
工作湿度	20%~80%相对湿度	
工作温度	-10~60度	
尺寸(mm)	483x342x90mm	

注:以上数据由得胜实验室测试得到,并拥有最终解释权!

MG-A系列广播纯后级数字功放

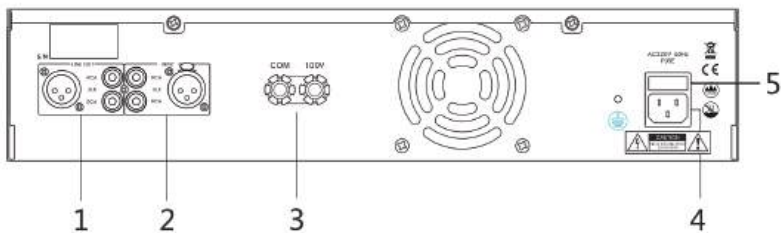
■ 面板介绍



- ① 电源开关
- ② 电源指示灯
- ③ 保护指示灯

- ④ 削峰指示灯
- ⑤ 信号指示灯
- ⑥ 总音量调节

■ 背板介绍





- ① 线路输出
- ② 功率输出
- ③ 线路输入
- ④/⑤ 电源输入/保险座

MG-A系列广播纯后级数字功放

■ 注意事项

1. 功放不能长久在削峰状态下工作, 以免影响机器寿命。
2. 接喇叭线或插、拔信号线时关掉电源。
3. 切勿堵塞通风口。
4. 电源线如有破损、应立即停止使用。
5. 功放不应放在下列地方:
通风不良处; 多尘、潮湿处; 阳光直射处; 环境温度高或接近热源的地方; 易受振动等地方。
6. 机壳要安全接地。
7. 保持通风顺畅。当接通电源并输入信号后, 发现保护指示灯(PROTECT LED)常亮。即说明输出线路有短路故障, 应立即切断电源, 排除故障后重新加电。

■ 特别注意

- 本产品属于‘I’类设备, 应当连接到带保护接地连接的电网电源输出插座上使用。
- 如果测试机器连续功率, 请使用AP专业测试仪器测试。
- 设备不得遭受水滴或水溅, 不得在机器上放置诸如花瓶一类的盛满液体的物品器具耦合器作为断开装置, 应该保持能方便地操作。
- 请勿随意打开机器盖板, 以防触电, 必要时须由专业证书之专业人员进行修理。
- 本产品仅用于海拔2000m以下  及非热带气候条件地区安全使用 .

MG-A系列广播纯后级数字功放

■ 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. 本产品及附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。

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)。

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

◆广东得胜电子有限公司 ◆电话: 400-6828-333 ◆地址: 广东省惠州市博罗县龙溪街道富康一路2号

MG-A Series Class-D Broadcast Amplifier

■ 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

- Advanced power amplifier technology for high efficiency, lightweight, compact size, high output, and strong load capacity.
- 1 balanced XLR input, 1 unbalanced RCA input, 1 balanced XLR output, and 1 unbalanced RCA output for cascading to additional amplifiers.
- Volume control for easy adjustment.
- Advanced protection against short circuits, overheating, and overload.
- Line limiting function to prevent excessive output that may damage speakers, with LED indicators for Power, Signal, Clipping, and Protection.
- Active fan cooling for reliable long-term operation.
- AC voltage protection, including over-voltage and under-voltage safeguards.

■ Application

Tourism sites, schools, and engineering installations.

MG-A Series Class-D Broadcast Amplifier

■ Package Contents

- 1 × Amplifier
- 1 × Power Cord
- 1 × User Manual

■ Technical Specifications

Model	MG-50A	MG-100A
Output Power	500W	1000W
Gross Weight	5KG	
Power Supply	AC220V	
Constant Voltage Output	100V±5%	
Frequency Response	20~20KHz	
Unbalanced Line Output	0dB	
Signal-to-Noise Ratio	>85dB	
Efficiency	>90%	
Total Harmonic Distortion (THD)	≤1% (at 1/8 rated power)	
Operating Humidity	20% – 80% relative humidity	
Operating Temperature	-10 to 60 degrees Celsius	
Dimensions (mm)	483x342x90mm	

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

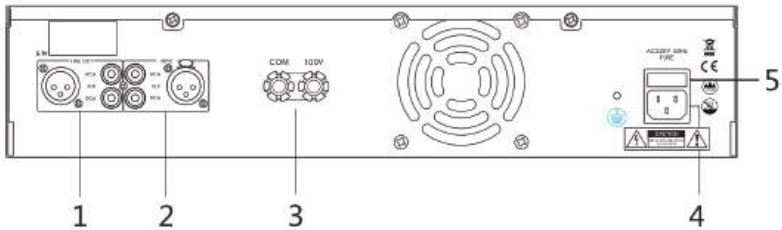
MG-A Series Class-D Broadcast Amplifier

■ Front Panel



- ① Power Switch
- ② Power Indicator
- ③ Protection Indicator
- ④ Clipping Indicator
- ⑤ Signal Indicator
- ⑥ Master Volume Control

■ Rear Panel





- ① Line Output
- ② Line Input
- ③ Power Output
- ④/⑤ Power Input / Fuse Holder

MG-A Series Class-D Broadcast Amplifier

■ Cautions

1. Avoid prolonged operation in clipping status to preserve amplifier lifespan.
2. Turn off power when connecting or disconnecting speaker or signal cables.
3. Do not obstruct ventilation openings.
4. If power cord is damaged, discontinue use immediately.
5. Do not place the amplifier in:
 - Poorly ventilated areas
 - Dusty or humid environments
 - Direct sunlight
 - High-temperature areas or near heat sources
 - Locations prone to vibration
6. Ensure the chassis is properly grounded.
7. Maintain good ventilation. If the Protection LED remains lit after powering on and inputting a signal, it indicates a short circuit in the output line. Immediately disconnect power and rectify the issue before reconnecting.

■ Important Notes

- This product is classified as Class I Equipment and must be connected to a power outlet with protective grounding.
- For continuous power testing, use professional AP testing equipment.
- The device should not be exposed to dripping or splashing water, and no liquid-filled objects (e.g., vases) should be placed on it. Ensure easy access to disconnect devices.
- Do not open the device cover to avoid electric shock; repairs should only be performed by qualified professionals.
- This product is intended for safe use below 2000m elevation  and in non-tropical climate conditions .

■ 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 without authorization to avoid injury. If you have any questions or require any services, please contact our local after-sales service.



扫一扫，了解更多产品
Scan for more
product information

广东省电声工程技术研究开发中心 广东得胜电子有限公司制造

地址：广东省惠州市博罗县龙溪街道富康一路2号

服务热线：400 6828 333 传真：0752 6383950

邮箱：xs@takstar.com

网址：www.takstar.com

Guangdong Takstar Electronic Co., Ltd.

Address: No. 2 Fu Kang Yi Rd., Longxi Boluo
Huizhou, Guangdong 516121 China

Tel: 86 752 6383644 Fax: 86 752 6383952

Email: sales@takstar.com

Website: www.takstar.com