

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 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

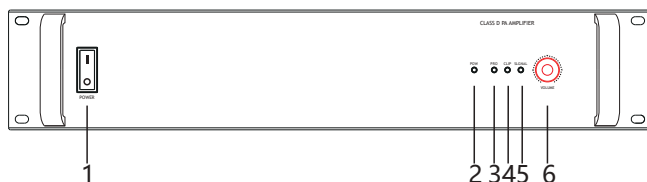
■ Technical Specifications

Model	MG-24A	MG-50A	MG-100A
Output Power	240W	500W	1000W
Gross Weight	5KG		
Power Supply	AC220V		
Constant Voltage Output	100V±5%		
Frequency Response	20~20KHz		
Unbalanced Line Output	OdB		
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!

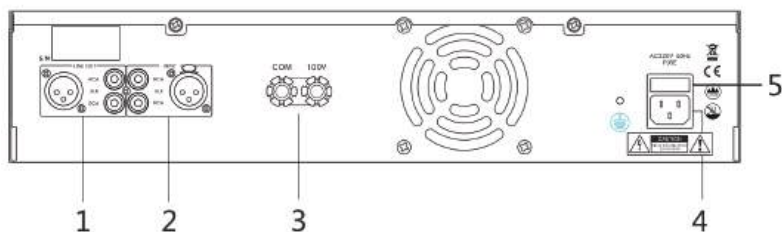
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■ Front Panel



- 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

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■ 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.



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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