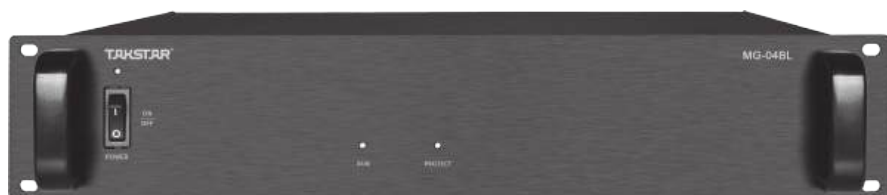


TAKSTAR[®] 得胜



MG-04BL 避雷器 Lightning Protector

使用说明
User Manual

MG-04BL 避雷器

■ 前言

感谢您选购得胜MG-04BL避雷器,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

- 地线连接端子该接线端子与大地地线连接(要可靠连接)
- 短路输出端子当有保护动作时,该端子输出短路信号
- 功放信号输出接线端子对应4通道输出端子,分别与对应通道的扬声器连接。其中“HOT”接+,“COM”接-
- 功放信号输入接线端子分别与功放的功率信号输出端连接。其中“HOT”接+,“COM”接-
- 雷击时自动切断输出,一组接地线路接其他设备外壳,自动将雷电引入大地,一组接地线路输入大地,自动将雷电引入大地
- 2U标准机箱设计,铝合金面板,美观实用

■ 适用范围

适用于景区、学校、工程安装等

■ 包装清单

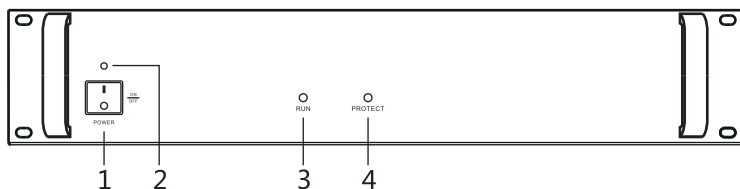
避雷器.....	1台
电源线.....	1条
说明书.....	1份

■ 技术参数

- 通道数:四组(CH1~CH4)
- 输入容量:每个通道70/100V,10A,音频信号
- 输出容量:每个通道70/100V,10A,音频信号
- 持续运行电压:240V(有效值)
- 保护电压:280V(有效值)
- 2ms方波通流容量:电流峰值:50A
- 短路输出电平:(OV)短路信号
- 电源:AC220V $\pm$ 10% 50-60Hz
- 电源消耗:小于25W
- 尺寸:484X350X88mm

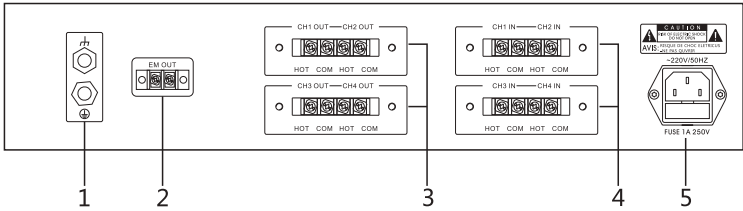
注:以上数据由得胜实验室测试得到,并拥有最终解释权!

■ 面板介绍



- ① 电源开关: 拨到“ON”档打开电源,拨到“OFF”档关闭电源。
- ② 电源指示灯: 打开电源该指示灯亮,关闭电源该指示灯灭。
- ③ 运行状态指示灯: 正常工作状态下该指示灯亮。
- ④ 保护状态指示灯: 保护状态下该指示灯亮。

■ 背板介绍



- ①地线连接端子：该接线端子与大地地线连接(要可靠连接)。
- ②短路输出端子：当有保护动作时,该端子输出短路信号。
- ③喇叭接线端子：对应4通道输出端子,分别与对应通道的扬声器连接。其中“HOT”接+，“COM”接-。
- ④功放信号输入接线端子：分别与功放的功率信号输出端连接。其中“HOT”接+，“COM”接-。
- ⑤电源输入。

■ 功能简介

- 1.地线连接端子该接线端子与大地地线连接(要可靠连接)。
- 2.短路输出端子当有保护动作时,该端子输出短路信号。
- 3.功放信号输出接线端子对应4通道输出端子,分别与对应通道的扬声器连接。其中“HOT”接+，“COM”接-。
- 4.功放信号输入接线端子分别与功放的功率信号输出端连接。其中“HOT”接+，“COM”接-。
- 5.雷击时自动切断输出,一组接地线路接其他设备外壳,自动将雷电引入大地,一组接地线路输入大地,自动将雷电引入大地。
- 6.2U标准机箱设计,铝合金面板,美观实用。

■ 维护说明

- 不要打开设备的外盖
- 不要将设备放在高温、高湿的环境下工作
- 避免水或异物进入设备
- 保持设备在通风的环境下工作
- 保持设备远离阳光的直射、远离热源
- 在低温下, 未使用的设备出现凝水现象时, 需要等内部完全干燥后才能运行, 否则有电击危险

■ 特别注意

- 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



仅适用于海拔2000
米以下地区使用



仅适用于非热带
气候条件下使用

■ 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。

1 类设备使用时,应先确认其金属外壳或构架已可靠接地,或已与插头插座内接地效果良好的保护接地极可靠连接。因产品在不断改进,规格及参数有所改变时恕不另行通知。

MG-04BL Lightning Protector

■ 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

- Ground Terminal: Securely connect to earth ground.
- Short Circuit Output: Sends a signal when protection activates.
- Amplifier Signal Output Terminals CH1-CH4: Connects to respective speakers; “HOT” to +, “COM” to -.
- Amplifier Input Terminals CH1-CH4: Connects to respective amplifier output; “HOT” to +, “COM” to -.
- Auto Cutoff: Disconnects output during lightning strike.
- 2U Design: Aluminum alloy panel for durability and aesthetics.

■ Application

For use in scenic areas, schools, and engineering installations.

■ Package Contents

1 × Lightning Protector

1 × Power Cord

1 × User Manual

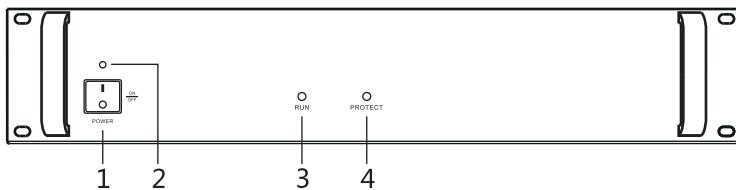
MG-04BL Lightning Protector

■ Specifications

- Channels: Four groups (CH1 to CH4)
- Input Capacity: 70/100V, 10A audio signal per channel
- Output Capacity: 70/100V, 10A audio signal per channel
- Continuous Operating Voltage: 240V (RMS)
- Protection Voltage: 280V (RMS)
- 2ms Square Wave Current Capacity: Peak current: 50A
- Short Circuit Output Level: (OV) short circuit signal
- Power Supply: AC220V $\pm 10\%$, 50-60Hz
- Power Consumption: Less than 25W
- Dimensions: 484 $\times$ 350 $\times$ 88 mm

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

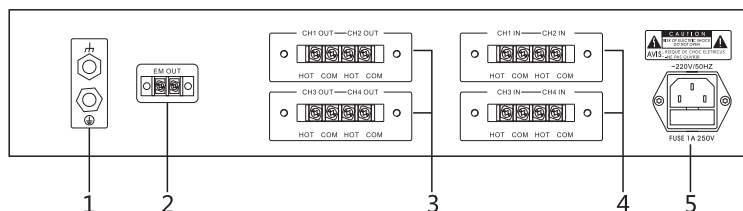
■ Front Panel



- ① Power Switch: Toggle to ON to power on; toggle to OFF to power off.
- ② Power Indicator: Illuminates when powered on; turns off when powered off.
- ③ Operation Status Indicator: Lights up during normal operation.
- ④ Protection Status Indicator: Lights up when in protection mode.

MG-04BL Lightning Protector

■ Rear Panel



- ① Ground Connection Terminal: Connect securely to earth ground.
- ② Short Circuit Output Terminal: Outputs a short circuit signal when protection is activated.
- ③ Speaker Connection Terminals: Connects to corresponding speakers for four channels; “HOT” to +, “COM” to -.
- ④ Amplifier Signal Input Terminals: Connects to amplifier output; “HOT” to +, “COM” to -.
- ⑤ Power Input Terminal

■ Function Overview

1. Ground Connection Terminal should securely connect to the earth ground.
2. Short Circuit Output Terminal outputs a short circuit signal when protection is triggered.
3. Amplifier Signal Output Terminals correspond to four channel outputs which should connect to their respective speakers with “HOT” to + and “COM” to -.
4. Amplifier Signal Input Terminals should connect to the amplifier’s power signal output, with “HOT” to + and “COM” to -.
5. Automatic Output Cutoff During Lightning: One set of grounding wires connects to the chassis of other devices, directing lightning to the ground, while another set connects directly to the ground for safe lightning discharge.
6. 2U Standard Chassis Design: Features an aluminum alloy panel, combining aesthetics with functionality.

MG-04BL Lightning Protector

■ Maintenance

- Do not open the device's outer cover.
- Avoid operating the device in high temperature or high humidity environments.
- Prevent water or foreign objects from entering the device.
- Ensure the device operates in a well-ventilated area.
- Keep the device away from direct sunlight and heat sources.
- If condensation occurs in unused devices at low temperatures, allow the interior to dry completely before operation to avoid electric shock hazards.

■ Important Notes

- The device must not be exposed to dripping or splashing water; do not place liquid-filled objects, such as vases, on the device.
- The coupling device should be accessible for easy operation as a disconnect mechanism.
- Do not open the machine cover unauthorized to prevent electric shock; repairs should only be performed by qualified professionals when necessary.
- This product is intended for safe use at altitudes below 2000m and in non-tropical climate conditions.



Suitable only for use
in altitudes below 2000m



Suitable only for use
in non-tropical climates

■ Safety Instructions

To avoid electric shock, overheating, 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.

MG-04BL Lightning Protector

- 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.
- For Class 1 equipment, ensure that the metal casing or frame is properly grounded or securely connected to a well-grounded protective earth within the plug socket before use.
- Product specifications and parameters are subject to change without prior notice due to ongoing improvements.

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（不包含港澳台地区）。

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



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