

TAKSTAR® 得胜



MG-8BS 倒备器

Backup Amplifier Switcher

使用说明
User Manual

■ 前言

感谢您选购得胜MG-8BS倒备器,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。



■ 功能简介

- 自动发现功放故障,并能在主功放和备用功放之间实现自动切换。
- 支持8台主功放,1台备功放。
- 每组功放可独立音源信号输入。
- 8路功放输入,8路喇叭输出,1路备用功放输入。
- 每通道有双色指示灯,指示工作状态。

■ 产品特点

- 本机可进行信号载波检测,避免音源和功放回路的干扰,有效避免误触发。
- 可手动切换通道,方便自检。
- 根据功放的特性可自行配置本机的检测方式,信号载波检测或信号幅度检测。
- 可自动检测主功放的工作状态,当主机恢复正常时备用功放自动切换到主机。

■ 适用范围

适用于广播工程,学校,商场,企业内部广播、公共场所、体育场馆等场合

MG-8BS 倒备器

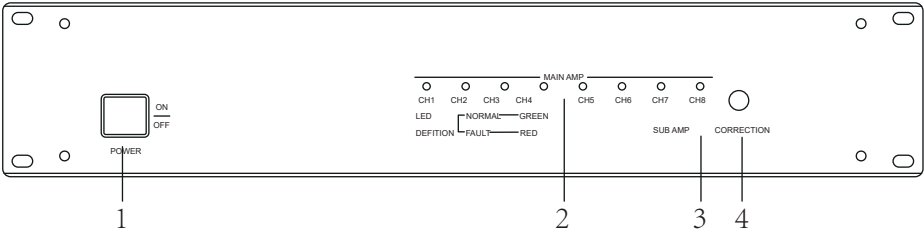
■ 包装清单

倒备器.....	1台
电源线.....	1条
说明书.....	1份

■ 技术参数

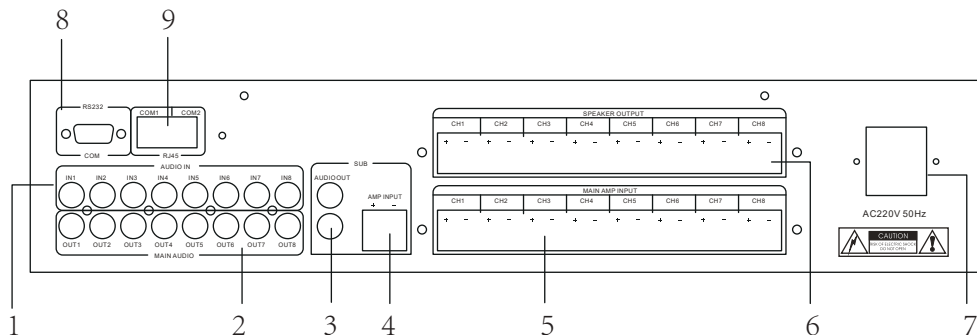
可控通道数量	8
通道工作容量	150V/10A
功放增益要求	>10dB
输入检测阈值	<50mV
电源	交流电220V/50~60Hz
尺寸	485x320x88
净重	5.3KG
毛重	6.35KG

■ 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、备机指示灯,正常工作状态下该指示灯亮
- 4、检测或模式按键

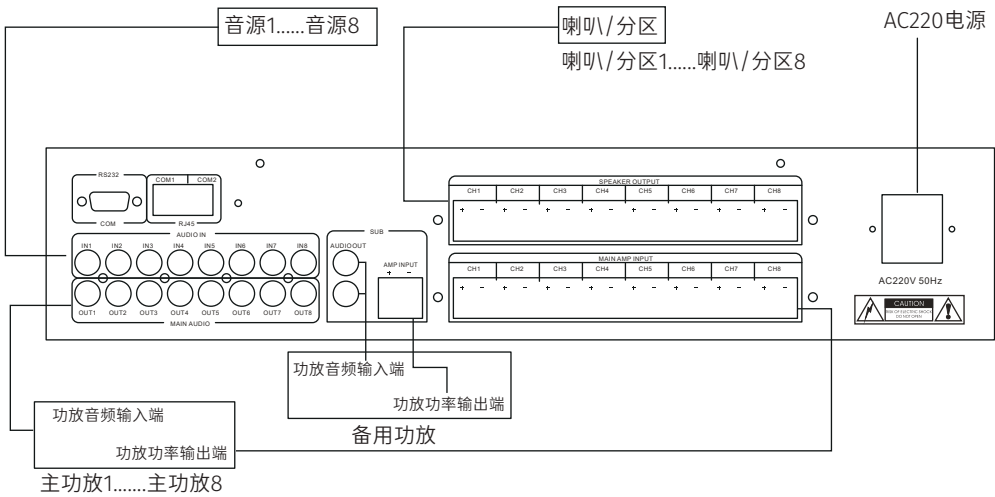
■ 背板介绍



- 1、8路音源输入接口。
- 2、8路音源输出接口，分别与功放1到功放8的音源输入接口连接。
- 3、备用功放音源接口，与备用功放音源接口连接。
- 4、备用功放输入接口，与备用功放的功率输出端子连接。
- 5、1~8主功放输入接口，分别与主功放的功率输出端子连接。
- 6、1-8功率音频输出接口，输出到喇叭或分区，每路功率信号来自于对应的主功放1到功放8或者备用功放。
- 7、AC220V电源输入插座。
- 8、RS232串口，输出本机状态信息或对本机进行调试控制。
- 9、RS485接口，用于上位机进行程控，或自动上报功放的工作状态。

MG-8BS 倒备器

■ 操作说明



- 1、正确连接设备, 如上图, 注意设备上电次序, 主备切换器->功放->其他->音源。
- 2、每路指示灯的状态表示为: 本通道有音频输入并且对应的主功放正常工作时, 亮绿 灯。
如果异常亮红灯。当切换到备用功放时“SUBAMP”指示灯亮绿灯。
- 3、手动切换检测, 点按“CORRECTION”按键分别切换通道1~8由备机输出, 对应的指示灯
红灯闪烁

■ 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-8BS Backup Amplifier Switcher

■ 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.

■ Functionality

- Automatic switching to backup amplifier if a primary amplifier fails.
- Supports up to 8 primary amplifiers and 1 backup amplifier.
- Each amplifier group can have independent audio source signal input.
- Features 8 amplifier inputs, 8 speaker outputs, and 1 backup amplifier input.
- Dual-color operation status indicator for each channel.

■ Features

- Signal carrier detection to prevent interference between audio source and amplifier circuits, reducing false triggers.
- Manual channel switching for convenient self-testing.
- Configurable detection method: signal carrier detection or signal amplitude detection.
- Automatic power amplifier switch-back when a failed primary amplifier is back online.

■ Application

For PA systems, schools, shopping malls, corporate internal broadcasting, public venues, sports facilities, etc.

MG-8BS Backup Amplifier Switcher

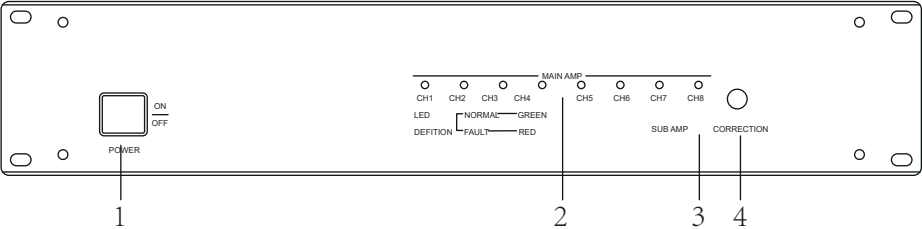
■ Package Contents

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

■ Technical Specifications

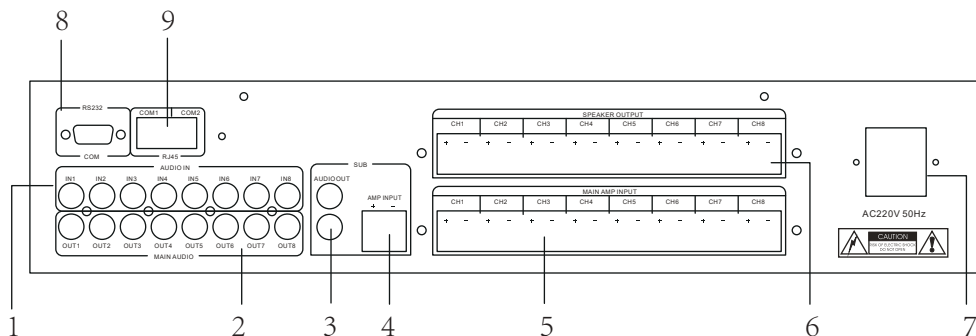
No. of Controllable Channels	8
Channel Operating Capacity	150V/10A
Amplifier Gain Requirements	>10dB
Input Detection Threshold	<50mV
Power Supply	AC 220V/50~60Hz
Dimensions	485x320x88
Net Weight	5.3KG
Gross Weight	6.35KG

■ Front Panel



MG-8BS Backup Amplifier Switcher

■ Rear Panel



1. 8 Audio Source Inputs

2. 8 Audio Source Outputs: Connects to audio inputs on Amplifier 1 to Amplifier 8 respectively.

3. Backup Amplifier Audio Interface: Connects to backup amplifier's audio interface.

4. Backup Amplifier Input Interface: Connects to power output terminals of backup amplifier.

5. Main Amplifier Input Interfaces (1-8): Connects to power output terminals of main amplifiers.

6. Amplifier Audio Output Interfaces (1-8): Outputs to speakers or zones; each output receives power signals from the corresponding main amplifier (1-8) or backup amplifier.

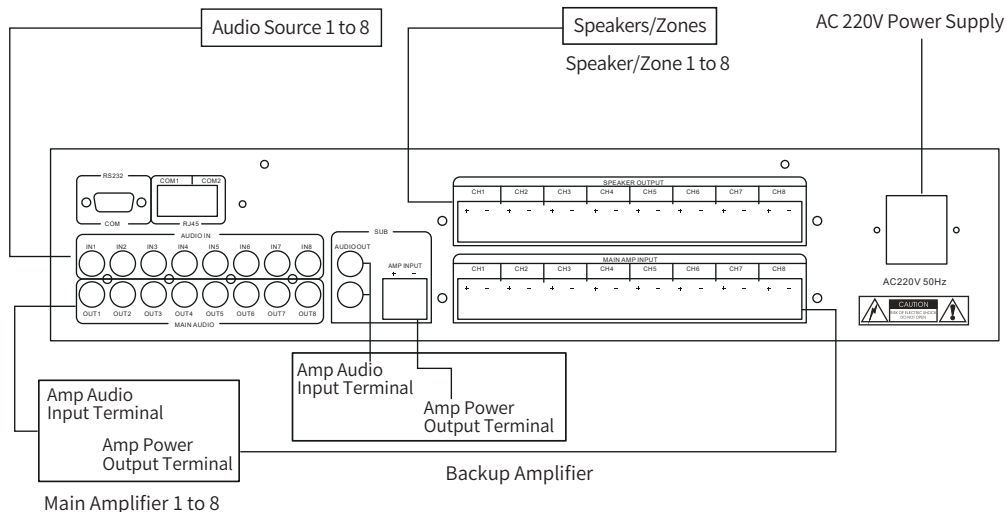
7. AC 220V Power Input Socket

8. RS232 Serial Port: Outputs status information or allows for debugging and control of the unit.

9. RS485 Interface: Used for centralized control or for automatic reporting of amplifier's operational status.

MG-8BS Backup Amplifier Switcher

■ Operating Instructions



1. **Device Connection:** Connect the devices as shown in the diagram. Follow the power-up sequence: Backup Amplifier Switcher → Amplifiers → Other Devices → Audio Sources.
2. **Channel indicator status:** Illuminates green when there is audio input and the corresponding main amplifier is functioning normally, or turns red if abnormal. When switched to backup amplifier, SUBAMP indicator illuminates green.
3. **Manual Switching Test:** Press CORRECTION button to manually switch channels 1-8 to backup output, corresponding channel indicator flashes red.

MG-8BS Backup Amplifier Switcher

■ Maintenance

- Do not open the device casing.
- 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 the device due to low temperatures, allow it to dry completely before operating to avoid electric shock hazards.

■ Special Notes

- For continuous power testing, use Audio Precision professional testing equipment.
- Avoid exposing the device to dripping or splashing water, and do not place liquid-filled objects, such as vases, on the unit.
- The coupling device should be easily accessible for disconnection.
- Do not open the unit's cover to prevent electric shock; repairs should be performed by qualified professionals if necessary.
- This product is intended for safe use below 2000m altitude and in non-tropical climates.



Suitable only for use
in altitudes below 2000m



Suitable only for use
in non-tropical climates

■ 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.

- 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.

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)。

◆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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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