

TAKSTAR® 得胜



SG-04T

网络广播控制器/四路

Four-Channel IP Audio Controller

使用说明
User Manual

SG-04T 网络广播控制器/四路

■ 前言

感谢您选购得胜SG-04T网络广播控制器/四路,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

- 标准机架式,2U高度;高级铝面板,采用先进的抛光;
- 采用固定静态的IP地址,当网络发生改变时地址不会丢失,工作稳定;
- 采用嵌入式PC技术和DSP音频处理技术设计;内置嵌入式网络语音解码模块,完成网络音频流的同步接收和解码;
- 采用高速工业级ARM芯片,启动时间达到毫秒级;提高设备使用稳定性;
- 提供自动,手动强制电源开关按钮;
- 4路网络信号输入,4路立体声音频信号输出;
- 高品质的数字音频传输,无噪音,音质达到CD级(音频文件位速为32-320kbps自适应);
- 4路电源控制(220V),最大承受功率2000W;自动控制外接功放设备的电源;电源管理支持预开功能。
- 具备智能电源管理功能,设备采用内置CPU判断功放的运行状态,在无工作状态时功放自动进入休眠状态,待机功率 $\leq 0.2W$,当有播放任务时,功放自动启动。
- 带有远程音量调节功能,终端在自动启动和播放任务的时候,自动将音量调节到系统设定的默认状态。音量自动调节默认值分别可制定为背景音乐音量、紧急广播音量和消防广播音量筹。
- 设备具备全数字高音、低音和主音量调节,调节更加清晰、灵活准确。
- 通过网络任意接收来自服务器的广播节目,包括话筒寻呼、消防警报自动强插、电话寻呼等。

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- 一线多用:充分利用现有网络资源,避免重复架设线路,兼容TCP/IP网络协议,可挂载在以太网到达的任何地方,真正实现广播、计算机、监控网络等的多网合一,支持跨网关、跨路由、互联网传输。通过网络联机设定IP地址及网络配置等。
- 具有远程升级功能,产品程序更新无须现场升级,通过网络远程即可更新、方便快捷。
- 设备具有软件远程设置高低音功能,可以根据播放内容对高低音要求不同自行设置。
- 机器设有IP地址复位开关,复位可恢复出厂设置。

■ 适用范围

商超、校园、酒店、公园、监狱、村村响、大型商业综合体等场合

■ 包装清单

控制器.....	1台
电源线.....	1条
说明书.....	1份

SG-04T 网络广播控制器/四路

■ 技术参数

- 网络接口:4组, RJ45、10M/100M
- 网络协议:TCP/IP、UDP
- 音频格式:MP3/MP2
- 支持码流:32K-320K
- 频带宽度:20Hz-20KHz
- 灵敏度:92dB
- 信噪比线路: ≥ 90 dB; 话筒: ≥ 88 dB

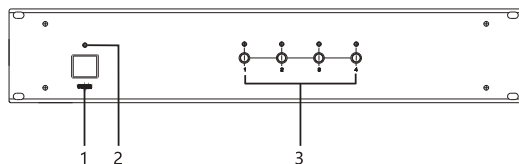
模拟音频输入

- MIC输入: 10MV6.3mm单声道插座
- 线路输入频带宽度:20Hz-20KHz
- LINE输入:立体声1V p-p,10K莲花插座

- 输入电源:AC 220V $\pm 10\%$,50-60Hz
- 待机功率:0.2W
- 线路输出:立体声1V p-p,1K莲花插座
- 设备尺寸:485(W)x330(D)x88(H)mm
- 产品重量:约5.8KG

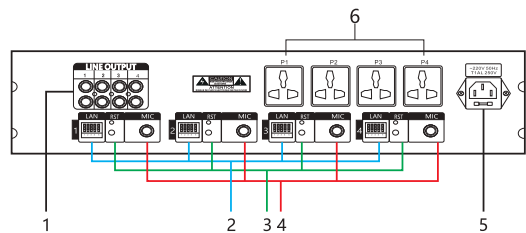
注:以上数据由得胜实验室测试得到,并拥有最终解释权!

■ 面板介绍



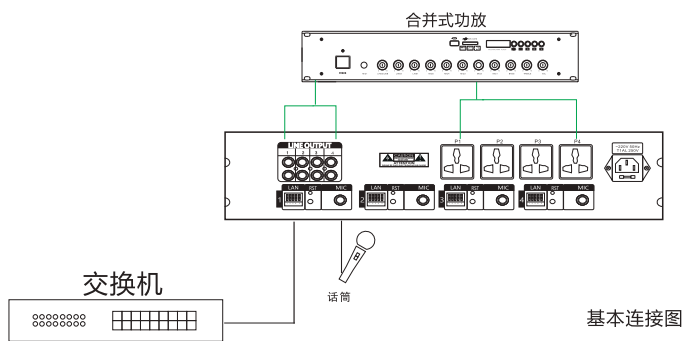
- ① 电源开关
- ② 电源指示灯
- ③ 1-4路功放按键开关及指示灯

■ 背板介绍



- ① 线路输出口
- ② 网线插口
- ③ 复位开关
- ④ 话筒输入
- ⑤ 交流电输入
- ⑥ 电源输出插座

■ 基本连接



基本连接图

■ 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。

SG-04T Four-Channel IP Audio Controller

■ 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

- Rack-mountable standard 2U height with a premium polished aluminum front panel.
- Static IP address, fixed during network changes for stable operation.
- Embedded PC & DSP audio processing, with a built-in network audio decoder for seamless audio stream reception and decoding.
- High-speed industrial-grade ARM Chip for fast milliseconds boot times and stable operation.
- Features both automatic and manual power switch options.
- 4CH network signal input and 4CH stereo audio output.
- High-quality digital audio transmission with CD-level sound quality (adaptive bit rates of 32-320 kbps).
- 4CH power control outputs (220V), max 2000W load. Automatically manages external amplifier power and supports pre-power-on functionality with relay outputs for triggering other devices.
- Intelligent power management via Built-in CPU monitoring, auto sleep mode during inactivity (standby power $\leq 0.2W$) and auto wake-up for playback tasks.
- Remote volume control, Automatically adjusts volume to preset levels for background music, emergency broadcasts, and fire alarms during startup and playback.
- Full digital control over treble, bass, and master volume for accurate adjustments.

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- Receives broadcasts, including paging and alarms, over the network.
- Multi-use cable: Leverages existing network resources, compatible with TCP/IP protocols, allowing integration with broadcasting, computing, and monitoring networks.
- Supports cross-gateway and internet transmission, remote network settings and firmware upgrades.
- Software-based remote adjustment for treble and bass.
- With an on-device IP reset switch to restore factory settings.

■ Application

Shopping malls, campuses, hotels, parks, prisons, community announcements, and large commercial complexes.

■ Package Contents

- 1 × Controller
- 1 × Power Cord
- 1 × User Manual

■ Technical Specifications

- Network Interface: 4 x RJ45, 10M/100M
- Network Protocols: TCP/IP, UDP
- Audio Formats Supported: MP3, MP2
- Bitrate Support: 32K - 320K
- Frequency Response: 20Hz - 20KHz
- Sensitivity: 92dB
- Signal-to-Noise Ratio: Line: ≥ 90 dB; Mic: ≥ 88 dB

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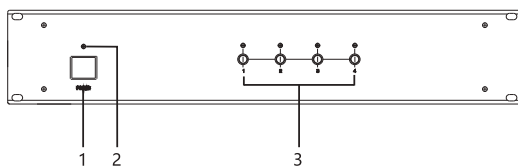
Analog Audio Inputs

- Mic Input: 10mV, 6.3mm mono jack
- Line Input Frequency Response: 20Hz - 20KHz
- Line Input: Stereo, 1V p-p, 10K RCA connector

- Input Power: AC 220V $\pm 10\%$, 50-60Hz
- Standby Power Consumption: 0.2W
- Line Output: Stereo, 1V p-p, 1K RCA connector
- Size: 485 (W) x 330 (D) x 88 (H) mm
- Weight: Approximately 5.8 kg

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

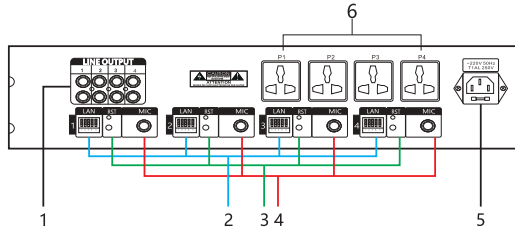
■ Front Panel



- ① Power Switch
- ② Power Indicator
- ③ CH 1-4 Amp Power Switch with Status Indicator

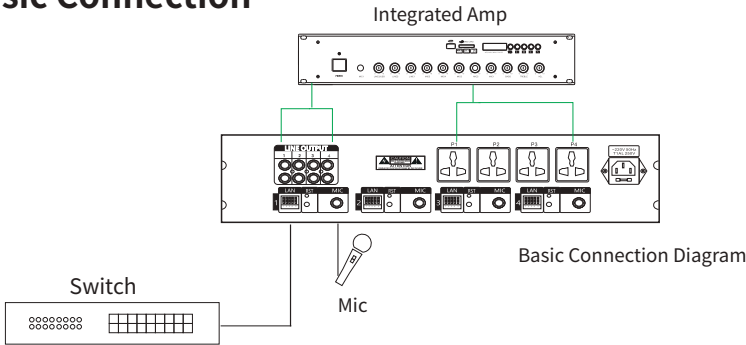
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■ Rear Panel



- ① Line Input/Output Ports
- ② Network Interface
- ③ Reset Switch
- ④ Mic Input
- ⑤ AC Power Input
- ⑥ Power Output Socket

■ Basic Connection



■ 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

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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.

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



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