

# TAKSTAR® 得胜



SG-540W1 (主箱Master) / SG-540W2 (副箱Slave)

## IP有源音箱

IP Active Speaker

使用说明

User Manual

# SG-540W1/SG-540W2 IP有源音箱

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## ■ 前言

感谢您选购得胜SG-540W1/SG-540W2 IP有源音箱,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;
- 内置嵌入式网络语音解码模块、2\*20W/8Ω双通道输出功放,设备运行稳定性高;
- 具有独立IP地址,可以单独接收服务器的个性化定时播放节目;
- 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);
- 支持音量、平衡调节;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;
- 可扩展通过手持式对讲筒与机房网络话筒对讲功能、呼叫其他任一指定的终端广播;
- 可扩展具有RS232扩展接口,可扩展控制其他设备;
- 可扩展音频采集功能,可以将现场扬声器声音采集回传到中心机房、便于监测现场情况;
- 具有1路线路音频立体声输入和1路话筒输入,可将外接音频(卡座、CD、笔记本、话筒等)送入网络音箱本地线路、话筒接口实现本地扩音,音量调节;
- 木质外壳材质,做工精致,音质高保真;
- 带电源指示灯、数据运行灯等指示,工作状态一目了然;
- 网络主音箱带辅助音频输出接口、可以挂接一只副箱;

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- 音箱预留110V信号输入接口,可以扩展110V输入信号,实现IP网络广播音箱断网断电自动切换到定压广播状态,确保中高考万无一失;
- 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;
- 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等;
- 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;
- 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;
- 音箱设有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、大型商业综合体等场合

## ■ 包装清单

音箱 .....	1台
电源线 .....	1条
说明书 .....	1份

# SG-540W1/SG-540W2 IP有源音箱

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## ■ 技术参数

### SG-540W1

网络接口:RJ45、10M/100M

110V定压信号信号输入接口(选配)

无线模块(2.4G)天线输入接口ANT(选配)

网络协议:TCP/IP、UDP、ICMP、IGMP(组播)

音频格式:MP3/MP2

支持码流:32K-320K

频带宽度:20Hz-20KHz

灵敏度:95dB

信噪比:线路:≥90dB;话筒:≥88 dB

额定功率:双声道2\*20W,最大功率2\*30W,工业标准压线端子

供电AC 220V±10%,50-60Hz/外置DC12V/5A(可选)

扬声器阻抗:5"8Ω, 2.5"8Ω,分频器分频

扬声器单元1\*5"+1\*2.5"

待机功率:0.2W

产品重量:约3KG

产品尺寸:200mm\*170mm\*330mm

安装方式:壁挂式、桌面式

### SG-540W2

额定功率:20W,最大功率30W,

扬声器阻抗:5"8Ω, 2.5"8Ω,分频器分频

扬声器单元:1\*5"+1\*2.5"

尺寸:高\*宽\*深330×200×170mm

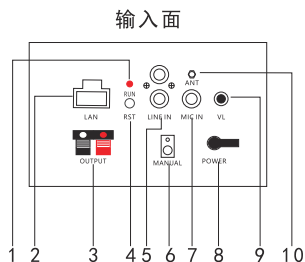
安装方式:壁挂式、桌面式

注:以上数据由得胜实验室测试得到,并拥有最终解释权!

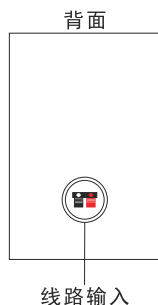
# SG-540W1/SG-540W2 IP有源音箱

## ■ 面板介绍

SG-540W1



SG-540W2



- ① 运行指示灯
- ② 网络接口
- ③ 功率输出
- ④ 复位开关
- ⑤ 线路输入
- ⑥ 本地开关及指示灯
- ⑦ 话筒输入
- ⑧ 电源输入
- ⑨ 音量调节
- ⑩ 2.4G接收天线

## ■ 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。

# SG-540W1/SG-540W2 IP Active Speaker

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## ■ Preface

Dear Customer,

Thank you for purchasing our product. Read this manual thoroughly to use the product properly.

If you have any questions or suggestions, please contact our local sales service.

## ■ Features

- Utilizes embedded PC tech, DSP audio processing, and industrial-grade ARM chip for rapid startup and enhanced stability.
- Dual-channel amplifier (2\*20W/8Ω) with built-in network audio decoding.
- Independent IP address, receives custom scheduled broadcasts directly from the server.
- Delivers high-fidelity CD-quality digital audio with an adaptive bitrate of 32-320kbps, ensuring noise-free playback.
- Independent volume and balance adjustments, plus digital treble and bass controls for precise sound tuning.
- Supports handheld and network mics for two-way communication and broadcasting to specified terminals.
- RS232 interface for connection and control of additional devices.
- Expandable audio capture function to transmit on-site audio back to central control room for real-time monitoring.
- Offers 1CH stereo line input and 1CH mic input for external audio sources with adjustable volume.
- Wooden exterior for aesthetic appeal and high-fidelity audio quality.
- With power and data indicator lights for easy device status monitoring.

# SG-540W1/SG-540W2 IP Active Speaker

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- Master speaker includes an auxiliary output for connecting a secondary speaker.
- Expandable 110V signal input, auto switchable to constant voltage mode in case of IP network or speaker power failure, for dependable performance during critical periods.
- Remote software-based bass and treble adjustments to tailor to playback content.
- Smart Power Management, auto sleep mode during inactivity, maintaining low standby power ( $\leq 0.2W$ ) and waking for playback tasks.
- Remote volume control, auto adjust volume (BGM, emergency, fire alarm) to pre-set system levels upon automatic startup and playback tasks.
- Receives diverse broadcast programs over the network, including intercom and emergency alerts.
- Single-cable solution, leverages existing network infrastructure, compatible with TCP/IP for seamless integration across broadcasting, computing, and monitoring systems.
- Remote network update support for easy maintenance.
- IP reset switch to restore factory settings.

## ■ Application

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

## ■ Package Contents

- 1 × Speaker
- 1 × Power Cord
- 1 × User Manual

# SG-540W1/SG-540W2 IP Active Speaker

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## ■ Technical Specifications

### **SG-540W1**

Network Interface: RJ45, 10M/100M

110V Signal Input (optional)

2.4G Wireless Module (optional)

Network Protocols: TCP/IP, UDP, ICMP, IGMP (multicast)

Audio Formats Supported: MP3, MP2

Bitrate Range: 32K-320K

Frequency Response: 20Hz - 20KHz

Sensitivity: 95dB

SNR: Line:  $\geq 90$ dB; Mic:  $\geq 88$ dB

Rated Power: Stereo 2\*20W; Max Power 2\*30W; Industrial standard terminal

Power Supply: AC 220V  $\pm 10\%$ , 50-60Hz / External DC 12V/5A (optional)

Speaker Impedance: 5": 8 $\Omega$ ; 2.5": 8 $\Omega$ ; with crossover

Speaker Units: 1\*5" + 1\*2.5"

Standby Power: 0.2W

Weight: Approx. 3KG

Dimensions: 200mm (H) \* 170mm (W) \* 330mm (D)

Installation: Wall-mounted or tabletop

### **SG-540W2**

Rated Power: 20W; Max Power: 30W

Speaker Impedance: 5": 8 $\Omega$  2.5": 8 $\Omega$ ; with crossover

Speaker Units: 1\*5" + 1\*2.5"

Dimensions: 330mm (H) \* 200mm (W) \* 170mm (D)

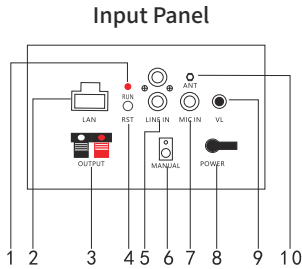
Installation: Wall-mounted or tabletop

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

# SG-540W1/SG-540W2 IP Active Speaker

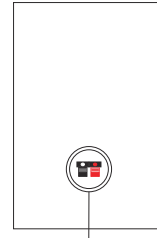
## ■ Rear Panel

SG-540W1



SG-540W2

Rear Panel



Line Input

- ① Operation Indicator Light
- ② Network Interface
- ③ Power Output
- ④ Reset Switch
- ⑤ Line Input
- ⑥ Local Switch and Indicator Light
- ⑦ Mic Input
- ⑧ Power Input
- ⑨ Volume Control
- ⑩ 2.4G Reception Antenna Input

## ■ 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.

# SG-540W1/SG-540W2 IP Active Speaker

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.

## 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

◆广东得胜电声有限公司 ◆电话: 400-6828-333 ◆地址: 中国广东省惠州市博罗县龙溪街道夏寮村委会大门村夏照(得胜创业园)



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