

TAKSTAR® 得胜



EKA-410

合并式四通道功放

Four-Channel Integrated Amplifier

使用手册 | User Manual

EKA-410 合并式四通道功放

■ 前言

感谢您选购得胜EKA-410合并式四通道功放,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

- 全金属机箱,高品质变压器,稳定性能表现;
- 4通道输出,每通道输出功率100W (8Ω),可带负载4-8欧姆;
- 带反馈抑制功能并具有一键启动开关,可提升系统增益3-4dB,有效提升扩声效果;
- 背板一路带48V幻象电源话筒输入,前面板两路话筒输入,可实现话筒音量、效果及音效调节,实用性强,个性化声音自由定义;
- 2路AUX音频输入;1路音频输出,可外接大功率功放机或录音设备;
- 支持U盘播放和音频无线连接播放,可自动连接和交互控制;
- 高效节能供电电路;高保真大动态线路,频响宽,声音清晰。

■ 适用范围

适用于教室、小型会议室等场所

■ 产品配置

功放	1台
说明书.....	1份

■ 技术参数

- 输出功率:100W*4 (8Ω)
- 谐波失真:<1.5% (1kHz, 1W, 8Ω)
- 频率响应 (±1dB):20Hz-20kHz
- 信噪比:≥80dB (A计权)
- 通道分离度:32dB

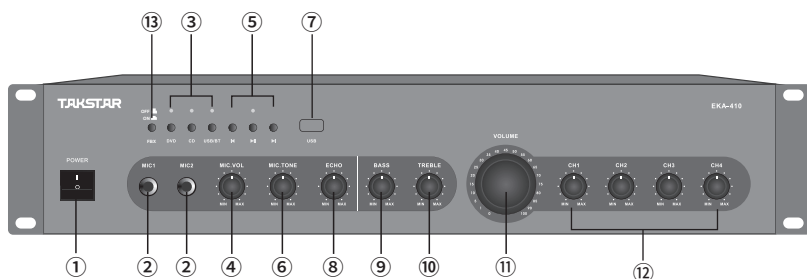
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- 输入灵敏度:170mV
- 麦克风输入灵敏度:18mV
- 电源:~AC220V/50Hz
- 产品净重:约8.4Kg
- 产品尺寸(宽×长×高):430mm×290mm×90mm

注:以上数据由得胜实验室测试得到,并拥有最终解释权!

■ 功能示意

前面板

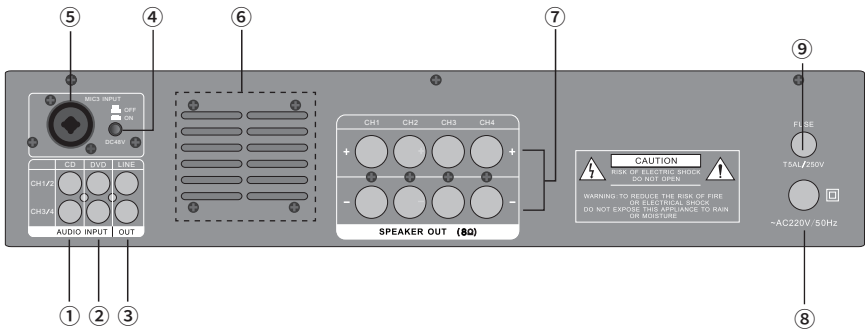


- ① 电源开关(POWER):按此开关,接通电源;再按此开关,则切断电源。
- ② 麦克风输入插孔(MIC1, MIC2):麦克风信号从此接口输入。
- ③ 输入信号源切换按钮以及指示灯:按动相应按键可对输入源进行选择并且指示灯对应长亮;有U盘插入USB接口时,按动“USB/BT”按键,先进入无线连接播放模式,此时“USB/BT”指示灯蓝灯快闪,无线连接成功后长亮蓝灯;再次按动该按键则进入U盘输入模式,在无线播放模式下插入U盘将自动进入U盘输入模式,指示灯蓝灯慢闪。
- ④ 麦克风音量调节旋钮(MIC.VOL):顺时针调节可增加麦克风输入音量,逆时针调节则减小麦克风输入音量。
- ⑤ MP3播放按键:在无线连接播放或U盘播放音乐状态下,可进行上一曲、下一曲、暂停操作。
- ⑥ 麦克风高低音调节:逆时针调节低音增强,顺时针调节高音增强。
- ⑦ USB插口:在其他音乐输入模式下插入U盘可自动切换到U盘输入。

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- ⑧ 麦克风混音深度调节旋钮 (ECHO) : 顺时针调节可增强话筒的混音深度, 逆时针调节则衰减话筒的混音深度。
- ⑨ 音乐低音调节旋钮 (BASS) : 顺时针调节可增加音乐低音, 逆时针调节则衰减音乐低音。
- ⑩ 音乐高音调节旋钮 (TREBLE) : 顺时针调节可增加音乐高音, 逆时针调节则衰减音乐高音。
- ⑪ 音乐音量控制旋钮 (VOLUME) : 顺时针调节可增加音乐输入音量, 逆时针调节则衰减音乐输入音量。
- ⑫ 一至四通道输出音量调节旋钮: 顺时针调节增加音乐或麦克风输出音量, 逆时针调节则衰减音乐或麦克风输出音量。
- ⑬ 按下开启反馈抑制, 弹起关闭。

背面板



- ①/② 音乐输入口 (CD、DVD) : 音频信号从此莲花接口输入, 通过面板模式按钮进行输入切换选择。
- ③ 线路输出 (OUT) : 通过此莲花接口输出音频信号给其他设备。
- ④ 话筒输入口 (MIC3) : 带+48V供电的话筒输入口, 输出音量通过面板CH1-4输出音量旋钮控制。
- ⑤ 幻象电源开关: +48V幻象电源开关, 按下开启电源, 弹起关闭电源。
- ⑥ 风扇出风口: 用于及时散热, 确保功放长时间稳定工作。
- ⑦ 功放输出接口 (CH1/CH2/CH3/CH4) : 功放的四个通道输出接口, 通过该接口输出音频信号给音箱。
- ⑧ 电源线: 通过带插头的电源线连接市电 (220V/50Hz) 为功放供电。
- ⑨ 保险丝: 规格5A/250V保险丝。

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■ 环保说明

产品中有毒有害物质或元素的名称及含量标识表

部件名称	有毒有害物质或元素									
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)	邻苯二甲酸 二正丁酯 (DBP)	邻苯二甲酸 二异丁酯 (DIBP)	邻苯二甲酸 丁基苄酯 (BBP)	邻苯二甲酸 二(2-乙基)己酯 (DEHP)
塑料部件	○	○	○	○	○	○	○	○	○	○
金属部件	×	○	○	○	○	○	○	○	○	○
电路板组件	×	○	○	○	○	○	○	○	○	○
线缆	×	○	○	○	○	○	○	○	○	○
注1: ○ :表示该有害物质在该部件所有均质材料中的含量均不超出电器电子产品有害物质限制使用国家标准要求。 × :表示该有害物质至少在该部件的某一均质材料中的含量超出电器电子产品有害物质限制使用国家标准要求。 注2:以上未列出的部件,表明其有害物质含量均不超出电器电子产品有害物质限制使用国家标准要求。										
此标志为产品的环保使用期限标志, 且此环保使用期限只适用于产品正常工作的温度和湿度等条件。										

■ 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. 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;
4. 若产品需要固定于墙壁或天花板时,请确保固定到位,防止因固定强度不足导致产品发生跌落危险;
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。

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■ 关于图标含义解释

 此符号表示，根据WEEE指令(2012/19/EU)和国家法律，由于这种类型的废弃物会有潜在的有害物质，可能对环境 and 人类健康产生负面影响，所以本产品不应与您的家庭垃圾一起处置，
应将本产品交由授权的电气和电子设备 (WEEE) 回收站回收。同时，您在正确处理本产品的同时将有助于自然资源的有效利用。如需了解更多有关您可以在何处放置废物回收设备的信息，请联系您当地的城市办事处、废物管理局或家庭废物处理服务部门。

■ 关于本说明书

本说明书中内容符合截止印刷之日的技术规格。由于得胜公司会不断改进产品，本说明书可能不符合您的特定产品的技术规格。要获取最新版说明书，请访问得胜官网，然后下载说明书文件。技术规格、设备或另售的附件在各个地区可能有所不同，如有问题请与当地得胜销售网点确认。如需更多支持和深层产品信息，请浏览得胜官方网站：<https://www.takstar.com>
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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）

EKA-410 Four-Channel Integrated Amplifier

■ 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

- Full metal chassis with quality transformer for stable performance.
- 4 channel outputs, 100W (8Ω) power per channel, 4-8 ohm loads.
- Features feedback suppression with one-key activation, boosting system gain by 3-4dB for enhanced sound reinforcement.
- Rear 48V phantom mic input, front 2 mic inputs with volume/effect controls.
- 2 AUX inputs, 1 audio output for connecting amps/recorders.
- USB drive and wireless audio playback with interactive controls.
- Efficient power, high-fidelity, high-dynamic, wide-range audio.

■ Applications

For classrooms, small conference rooms, and similar settings.

■ Package Contents

1 × Integrated Amplifier

1 × User Manual

EKA-410 Four-Channel Integrated Amplifier

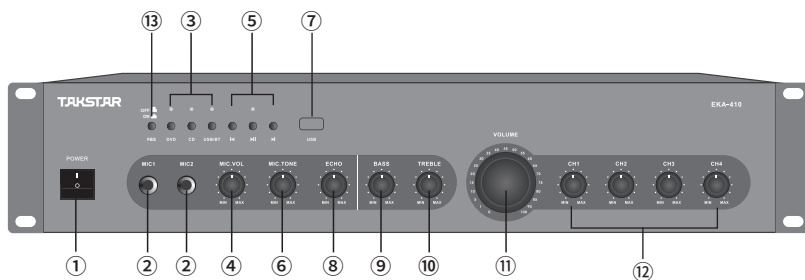
■ Specifications

- Output Power: 100W × 4 (8Ω)
- THD: <1.5% (1kHz, 1W, 8Ω)
- Frequency Response (±1dB): 20Hz - 20kHz
- S/N Ratio: ≥80dB (A-weighted)
- Channel Separation: 32dB
- Input Sensitivity: 170mV
- Mic Input Sensitivity: 18mV
- Power Supply: ~AC220V/50Hz
- Net Weight: Approx. 8.4Kg
- Product Dimensions (W×D×H): 430mm×290mm×90mm

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

■ Function Descriptions

Front Panel



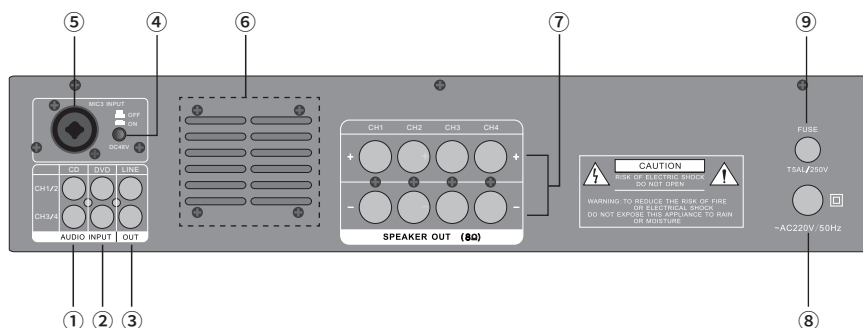
- ① Power Switch (POWER): Press to turn on/off the power.
- ② Mic Input Jacks (MIC1, MIC2): Connect mics here.
- ③ Input Source Selector Buttons and Indicators: Press the corresponding button to select the input source, its respective indicator light will be on. When a USB drive is inserted, press "USB/BT" button to enter wireless playback mode (indicator rapidly flashes blue while pairing and turns solid blue when paired successfully), or press again to switch to USB input mode (indicator slowly flashes blue).

EKA-410 Four-Channel Integrated Amplifier

- ④ Mic Volume Knob (MIC.VOL): Turn clockwise to increase, counterclockwise to decrease mic input volume.
- ⑤ MP3 Playback Buttons: In wireless or USB playback mode, use these to control playback (previous, next, pause).
- ⑥ Mic Bass/Treble Control: Turn counterclockwise to boost bass, clockwise to boost treble.
- ⑦ USB Port: Inserting a USB drive will automatically switch to USB input mode.
- ⑧ Mic Echo Depth Knob (ECHO): Turn clockwise to increase, counterclockwise to decrease mic echo effect.
- ⑨ Music Bass Knob (BASS): Turn clockwise to boost, counterclockwise to cut music bass.
- ⑩ Music Treble Knob (TREBLE): Turn clockwise to boost, counterclockwise to cut music treble.
- ⑪ Music Volume Knob (VOLUME): Turn clockwise to increase, counterclockwise to decrease music input volume.
- ⑫ Channel 1-4 Output Volume Knobs: Turn clockwise to increase, counterclockwise to decrease music or mic output volume.
- ⑬ Press to activate feedback suppression; release to deactivate.

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Rear Panel



- ①/② Music Input Jacks (CD, DVD): Connect audio input signals through these RCA jacks. Select the input source using the front panel buttons.
- ③ Line Output Jack (OUT): Use this RCA jack to output the audio signal to other devices.
- ④ Mic Input Jack (MIC3): This is a phantom-powered mic input, with the output volume controlled by the CH1-4 output volume knob on the front panel.
- ⑤ Phantom Power Switch: Press to enable the +48V phantom power, release to disable.
- ⑥ Cooling Fan Vent: Ensures stable long-term operation by providing effective heat dissipation.
- ⑦ Amplifier Output Jacks (CH1/CH2/CH3/CH4): The four channel output jacks for connecting to speakers.
- ⑧ Power Cord: Connect to a 220V/50Hz AC outlet to power the amplifier.
- ⑨ Fuse: 5A/250V fuse.

■ 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.
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.

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3. 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.
4. The product must, when installed on walls or ceilings, be fixed firmly in place at adequate strength to prevent from falling.
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 by yourself to avoid injury. If you have any questions or require any services, please contact our local after-sales service.

■ Label Meanings



This symbol indicates that this product should not be disposed of with your household waste, according to the WEEE directive (2012/19/EU) and your national law. This product should be handed over to an authorized collection site for recycling waste electrical and electronic equipment (WEEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with WEEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, or your household waste disposal service.

■ About This Manual

This manual contains up-to-date technical specifications as of printing. However, specifications contained herein may not conform to your particular product since Takstar is constantly improving its products. Also, specifications, devices or accessories available may vary from region to region. If you have any questions, please contact our local sales outlet. For the latest version/more information, please visit our website: <https://www.takstar.com/>

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