

TAKSTAR® 得胜



E20 | **扩音器**
Voice Amplifier

使用手册 | User Manual

■ 前言

尊敬的用户：

感谢您选购得胜E20扩音器，为了您能够更好的了解使用本产品，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

- 新颖外观设计，小巧轻便，造型时尚个性；
- 数字扩音器技术，10W大功率音频输出；
- 选用高效强磁钕铁硼喇叭，重量轻，音质好，声音大；
- LOW-THD自适应技术，大功率输出时也不会产生明显的声音失真；
- 支持无线播放，可连接手机、电脑、PAD等设备播放音乐；
- 具有音乐播放功能，支持U盘上的多媒体音频播放；
- 具有AUX音频信号输入功能，可充当小音箱使用；
- 配备指示灯显示设计，可实时了解扩音器工作状态；
- 内置大容量耐久型锂电池，可循环充电使用，节能环保，续航可达10小时。

■ 包装清单

E20扩音器	1台
有线头戴麦克风	1个
充电线	1条
肩带	1条
说明书	1份

■ 适用范围

适用于教学、导游、培训、促销等场合扩音

■ 技术参数

主机参数

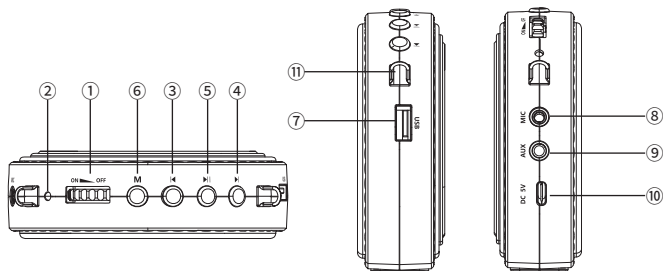
- 频率响应：80Hz-18KHz
- 额定功率：5W
- 峰值功率：10W
- 扬声器阻抗：4Ω
- 工作电压：DC 3.5V-4.2V
- 电池规格：3.7V/2000mAh
- 充电电压：DC 5V/1.5A
- 充电时间：约2小时
- 使用时间：约10小时
- 单机重量：约200g
- 产品规格：100x90x35.5mm
- 充电方式：Type-C
- 蓝牙版本：5.0

头戴麦克风参数

- 拾音器：背极式驻极体
- 指向性：单指向
- 频率响应：100Hz-12.5KHz
- 灵敏度：-45±3dB
(0dB=1V/Pa, at 1KHz)

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：



- ① 电源开关和音量调节旋钮：向“ON”方向拨动旋钮，听到“哒”一声，表示扩音器已通电并进入人声扩音状态，此时电源指示灯②亮蓝灯；继续向“ON”方向拨动声音逐渐增大，反方向“OFF”方向拨动则声音逐渐减少，直至听到“哒”一声关机。
- ② 电源指示灯：电量充足时，指示灯常亮蓝灯；当指示灯红蓝灯交替闪烁时，表示扩音器处于低电量状态，请及时为扩音器充电；充电过程中，指示灯常亮红灯，充满后蓝灯长亮。
- ③ 上一曲按键：在蓝牙、U盘播放状态下，短按此键为切换上一曲。
- ④ 下一曲按键：在蓝牙、U盘播放状态下，短按此键为切换下一曲。
- ⑤ 播放/暂停按键：循环点按此按键控制音乐的播放及暂停；在蓝牙播放状态时，长按此键可以断开蓝牙连接。
- ⑥ “M”模式切换键：开机状态下，短按该按键可切换工作模式，并伴随相应的语音提示。（当插入U盘和麦克风状态下，长按此按键进入录音模式，此时指示灯闪烁蓝灯并伴有语音提示“录音模式”，录制完成后长按此键可退出并保存录音，退出录音模式后，自动循环播放刚录制的内容）

- ⑦ U盘插孔：可将储存有音乐文件的U盘插入此孔进行播放。
- ⑧ MIC输入接口：将有线麦克风插头插入此孔，进入有线人声扩音状态。操作时，请不要将麦克风的拾音面朝向扩音器的扬声器，以免产生啸叫。
- ⑨ AUX 输入接口：通过 $\Phi 3.5\text{mm}$ 音频连接线与手机、电脑、平板等播放设备连接，可将扩音器作为有源音箱使用。
- ⑩ 充电接口：连接Type-C充电线为扩音器充电。
- ⑪ 挂扣：用于安装肩带，可将扩音器斜挂于肩上使用。

■ 使用方法

一、使用方法

1. 将头戴麦克风正确佩戴于头部，并调整好麦克风的拾音角度；
 2. 将有线头戴麦克风的 $\Phi 3.5\text{mm}$ 插头插入MIC输入接口内；
 3. 打开扩音器电源开关，电源指示灯亮蓝灯，调整音量旋钮至合适音量；
 4. 在使用过程中，若指示灯红蓝灯交替闪烁时，表示扩音器电量不足，请及时充电。
- 提示：初次使用时，建议先充满电；如长时间不使用，需每半年给扩音器充一次电，避免电池过放，对电池性能产生影响。

二、蓝牙配对

首次使用本机时，需要与手机或蓝牙设备配对连接，步骤如下：

1. 先打开扩音器的电源开关，短按“M”键切换为蓝牙模式，此时指示灯蓝灯闪烁，表示蓝牙正在搜索配对状态。
2. 进入手机“设置”菜单，找到蓝牙功能选项，开启手机蓝牙功能，待搜索到“TAKSTAR E20”，点击“TAKSTAR E20”进行连接，当扩音器语音提示“蓝牙已连接”，表示蓝牙连接成功；手机、笔记本、平板、PAD等设备蓝牙连接扩音器成功后，即可实现音乐播放功能。
3. 下次开机后点按“M”键开启蓝牙模式时，如果是已有连接过蓝牙，则自动回连最后一次使用的蓝牙设备，同时伴有提示音“蓝牙已连接”；蓝牙连接成功的情况下，点按“M”键断开连接，同时切换到下个工作模式。

■ 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. 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；
6. 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；
7. 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。

■ 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>

■ 环保说明

产品中所含有毒有害物质或元素的名称及含量

部件名称 (大体分类)	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)
塑胶部件	○	○	○	○	○	○
五金部件	×	○	○	○	○	○
电路板组件	×	○	○	○	○	○
线缆	×	○	○	○	○	○

本表格依据SJ/T 11364的规定编制。

○：表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572规定的限量要求以下。

×：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 GB/T 26572规定的限量要求。

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。



E20 VOICE AMPLIFIER

■ Preface

Dear Customer,

Thank you for purchasing Takstar E20 Voice Amplifier. In order to better understand and use the product, please read this manual carefully. If you have any questions or suggestions, please contact our local dealer.

■ Features

- Innovative and stylish design, compact and lightweight, exuding a fashionable flair.
- Digital voice amplification with a powerful 10W audio output.
- High-efficiency neodymium magnet speaker, low weight, high sound quality and loudness.
- LOW-THD adaptive technology ensures minimal sound distortion even at high power levels.
- Seamlessly connect your mobile phone, computer, or tablet for wireless music playback.
- USB playback feature allows you to enjoy multimedia audio from your USB flash drives.
- With AUX audio signal input to serve as a portable speaker.
- With intuitive indicator LED that provides real-time status updates.
- Built-in high-capacity eco-friendly li-ion battery keeps you going for up to 10 hours.

■ Package Contents

E20 Voice Amplifier.....	1 PC.
Wired Headset Mic	1 PC.
Charging Cable	1 PC.

E20 VOICE AMPLIFIER

Shoulder Strap.....	1 PC.
User Manual.....	1 PC.

■ Applications

Voice amplification in teaching, tour guide, training and sales.

■ Specifications

Amplifier

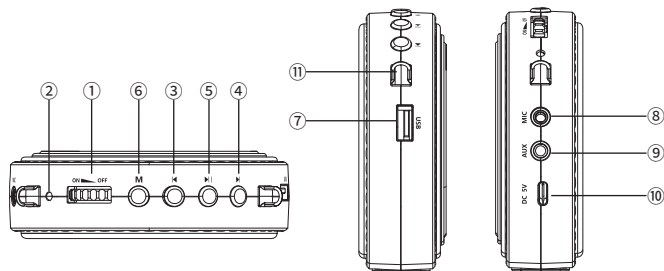
- Frequency Response: 80Hz-18KHz
- Rated Power: 5W
- Peak Power: 10W
- Speaker Impedance: 4Ω
- Working Voltage: DC 3.5V-4.2V
- Battery Spec: 3.7V/2000mAh
- Charging Voltage: DC 5V/1.5A
- Charging Time: about 2 hours
- Play Time: about 10 hours
- Weight: about 200g
- Dimensions: 100x90x35.5mm
- Charging Interface: Type-C
- Bluetooth Version: 5.0

Headset Microphone

- Capsule: back electret
- Polar Pattern: unidirectional
- Frequency Response: 100Hz-12.5KHz
- Sensitivity: $-45 \pm 3\text{dB}$
(0dB=1V/Pa, at 1KHz)

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

■ Function Descriptions



- ① Power switch & Volume knob: Rotate the knob towards ON direction until you hear a click to power on the device and start voice amplification, and in the meantime, the power indicator ② will light up blue. Keep on rotating towards ON to increase volume level, or towards OFF to decrease and eventually power off the device when you hear a click again.
- ② Power indicator: Solid blue when power is sufficient; flashing red & blue when low power and requires charging; solid red while charging and solid blue when fully charged.
- ③ Previous track button: Under Bluetooth/USB playback, short press to switch to the previous track.
- ④ Next track button: Under Bluetooth/USB playback, short press to switch to the next track.
- ⑤ Play/Pause button: Press cyclically to play/pause music. Under Bluetooth playback mode, long press to disconnect Bluetooth.

E20 VOICE AMPLIFIER

- ⑥ M mode button: When powered on, short press to switch the working mode, accompanied by corresponding voice prompts. (When a USB drive and a mic are inserted, press and hold this button to enter recording mode, accompanied by flashing blue LED and a voice prompt "recording mode". After you finish recording, press and hold this button to exit and save recording. Upon exit, the device will automatically play the recorded content in a loop.)
- ⑦ USB port: Insert a USB drive here to play music files stored in it.
- ⑧ MIC input: Insert a wired mic here to start wired voice amplification. During operation, do not point the mic capsule towards the loudspeaker to avoid feedback howling.
- ⑨ AUX input: Connect with mobile phone, computer, tablet and other playback devices via ø3.5mm audio cable, and use the voice amplifier as an active speaker.
- ⑩ Charging interface: Connect the Type-C charging cable to charge the amplifier.
- ⑪ Strap clip: Used to install the shoulder strap for wearing the amplifier across shoulder.

■ Operation Instructions

I. How to Use

1. Wear the headset mic on your head correctly, and adjust the pickup angle of the mic.
2. Insert the $\varnothing 3.5$ mm plug of the wired headset mic into the MIC input interface.
3. Power up the voice amplifier (LED lights up blue) and adjust the volume to an appropriate level.
4. If the power indicator flashes red and blue during use, it means that the battery is running low and requires charging in time.

Tips: It's recommended to fully charge the device upon first use, and if not used for long periods, charge it for once every six months to avoid battery over-discharge which could affect battery performance.

II. Bluetooth pairing

Upon first use, you need to connect this device to your phone or Bluetooth device, following below steps:

1. Power up the amplifier, press [M] to switch to Bluetooth mode and start Bluetooth discovery and pairing, indicated by a flashing blue LED.
2. Enter SETTINGS menu on your phone, find and enable Bluetooth, wait until "TAKSTAR E20" is discovered and tap on it to connect. When connected successfully, there will be a voice prompt about "Bluetooth Connected".
Devices such as cell phones, laptops, tablets, and iPads can play music via Bluetooth thereafter.
3. The next time you switch to Bluetooth mode, the amplifier will automatically connect to the previously paired device, signaled by a voice prompt "Bluetooth connected". When Bluetooth is connected, press [M] to disconnect Bluetooth and switch to the next work mode.

■ 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. The product must, when installed on walls or ceilings, be fixed firmly in place at adequate strength to prevent from falling.
6. Please abide by safety rules during operation. Do not use the product in places prohibited by laws or regulations to avoid accident.
7. 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/>

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



扫一扫，了解更多产品
Scan for more
product information

广东省电声工程技术研究中心 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