

TAKSTAR® 得胜



E20W | **无线扩音器**
Wireless Amplifier

使用手册 | User Manual

■ 前言

尊敬的用户：

感谢您选购得胜E20W无线扩音器，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；
- 选用高效强磁钕铁硼喇叭，10W大功率音频输出；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；
- 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；
- 采用UHF无线技术，在无阻碍，无干扰环境下，使用距离约40米；
- 配备无线头戴麦克风，采用自动对频技术，操作简单，使用方便；
- 无线头戴支持高/低功率切换功能，可根据不同使用环境灵活调整。

■ 包装清单

E20W扩音器.....	1台
无线头戴麦克风.....	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

■ 技术参数

主机（扩音器）参数

- 频率响应：80Hz-18KHz
- 额定功率：5W
- 峰值功率：10W
- 扬声器阻抗：4Ω
- UHF频率：630MHz-698MHz(分段)
- UHF使用距离：无干扰空旷地带约40米
- 工作电压：DC 3.5V-4.2V
- 电池规格：3.7V/2500mAh
- 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

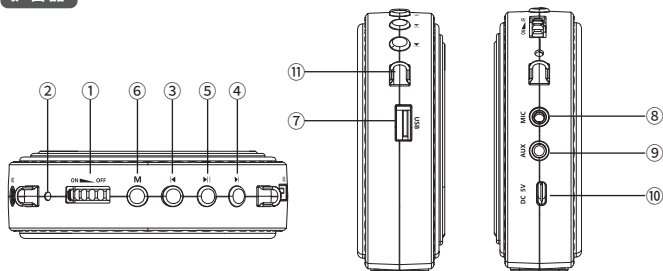
无线头戴麦克风参数

- 拾音器：背极式驻极体
- 指向性：单指向
- 频率响应：60Hz-16KHz
- 灵敏度：-45±3dB (0dB=1V/Pa, at 1KHz)
- UHF频率：630MHz-698MHz(分段)
- UHF使用距离：无干扰空旷地带约40米
- 电池类型：锂离子电池
- 电池容量：3.7V / 400mA
- 充电规格：DC 5V / 200mA
- 充电时间：约2小时
- 使用时间：约5小时
- 单机重量：约39g

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：

扩音器



- 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。

提示：请确保U盘中储存的是MP3、WAV格式的音频文件，否则不能正常读取歌曲文件甚至会有损坏机器的风险；拷入歌曲前请先将TF卡按FAT16、FAT32格式进行格式化，其他方式的格式化（如exFAT、NTFS格式）会导致录音无法保存或者储存的歌曲无法播放。

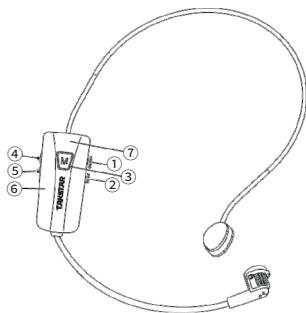
⑧ MIC输入接口：将有线麦克风插头插入此孔，进入有线人声扩音状态。操作时，请不要将麦克风的拾音面朝向扩音器的扬声器，以免产生啸叫。

⑨ AUX输入接口：通过 Φ 3.5mm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。

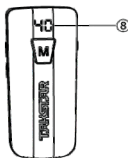
⑩ 充电接口：连接Type-C充电线为扩音器充电。

⑪ 挂扣：用于安装肩带，可将扩音器斜挂于肩上使用。

无线头戴麦克风



头戴麦克风



显示屏

- ① 电源开关：拨动开关至“ON”位置时开机，拨开关至“OFF”位置时关机。
- ② 充电接口：将Type-C充电线插入此孔，另一端连接通用的USB输出充电器，即可进行充电。
- ③ “M”频道切换按键：用于调频操作，详见本说明书的“对频方法”部分。
- ④ “+”按键：点按增加麦克风音量；在对频状态下，点按切换上一个频道，长按快速跳转频道。
- ⑤ “-”按键：点按减小麦克风音量；在对频状态下，点按切换下一个频道，长按快速跳转频道。
- ⑥ 指示灯：关机未充电时，指示灯熄灭；开机时长亮蓝灯；电量充足时，指示灯长亮蓝灯；电量不足时，指示灯蓝灯闪烁；充电过程中，红灯长亮，充满后红灯熄灭。
- ⑦ LED显示屏：显示当前工作频道、麦克风音量大小、功率切换等状态。
- ⑧ 工作频道/麦克风音量大小：默认显示当前工作频道，有“01-40”共40个工作频道；当点按音量“+”、“-”键时，则显示音量大小，有“U1-U9”共9级音量，3秒后回复正常数值；10秒后无任何操作，显示屏将自动熄灭。
- ⑨ 高低功率切换：同时点击“M”按键和“-”按键为低功率，同时显示屏会显示低功率的提示“E0”，同时点击“M”按键和“+”按键为高功率，同时显示屏会显示低功率的提示“E1”。（低功率无线使用距离在10米左右，高功率无线使用距离在40米左右）

■ 使用方法

一. 对频方法

产品出厂时已默认配对好，开机会自动连接，无需配对。如遇有信号干扰，可按下面方法进行重新配对或变频。

1. 配对方法

① 首先确保头戴麦克风及扩音器都在关机状态。然后打开头戴麦克风电源开关，长按麦克风“M”键3秒，显示屏循环转圈时松开，此时立刻打开扩音器电源开关，等待麦克风的显示屏从转圈变为静态数值，对着麦克风说话有声音，表示配对成功；如果麦克风进入对频状态后，10秒钟内没有打开扩音器电源开关，对频失败，显示屏从转圈变为静态数值。

② 如对着头戴麦克风说话没声音，说明配对不成功，请按上面方法重新配对。

2. 变频方法

打开扩音器及头戴麦克风电源开关，确保在对频成功的情况下，短按头戴麦克风上的“M”键进入变频，显示屏数值闪烁，此时点按音量“+”、“-”键切换上、下频道，或长按快速跳转频道，再点按“M”键确认频率，如3秒钟无操作“M”键确认，频率停止闪烁并固定在当前选择的频率。

3. 多台同时使用的方法

① 多台同时使用先按上述第一种“配对方法”重新连接一次后，再按上述变频方法进行变频操作切换不同频道；

② 多台同时使用时，需要切换不同的频道，以免干扰

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 E20W”，点击“TAKSTAR E20W”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。



E20W WIRELESS AMPLIFIER

■ Preface

Dear Customer,

Thank you for purchasing Takstar E20W Wireless Amplifier 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.
- Lightweight yet efficient neodymium magnet speaker with 10W high output and good sound quality.
- 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.
- Built-in high-capacity eco-friendly li-ion battery keeps you going for up to 10 hours.
- Utilizes UHF technology with up to 40m range in unobstructed, interference-free areas.
- Features wireless headset mic with automatic frequency matching for easy use.
- High/low power switching on wireless headset mic for flexible adjustment in different environments.

E20W WIRELESS AMPLIFIER

■ Package Contents

E20W Voice Amplifier.....	1 PC.
Wireless Headset Mic.....	1 PC.
Charging Cable.....	1 PC.
Shoulder Strap.....	1 PC.
User Manual	1 PC.

■ Applications

Teaching, tour guide, training, sales and similar occasions.

■ Specifications

Amplifier

- Frequency Response: 80Hz-18KHz
- Rated Power: 5W
- Peak Power: 10W
- Speaker Impedance: 4 Ω
- UHF Frequency:
630MHz-698MHz (segmented)
- UHF Use Distance:
about 40m in open areas w/o interference
- Working Voltage: DC 3.5V-4.2V
- Battery Spec: 3.7V/2500mAh
- 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

E20W WIRELESS AMPLIFIER

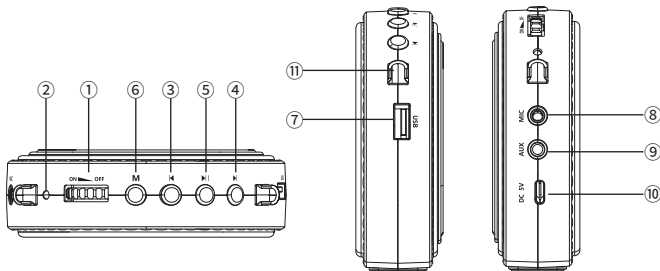
Headset Microphone

- Capsule: back electret
- Polar Pattern: unidirectional
- Frequency Response: 60Hz-16KHz
- Sensitivity: $-45 \pm 3\text{dB}$
($0\text{dB}=1\text{V}/\text{Pa}$, at 1KHz)
- UHF Frequency: 630MHz-698MHz
(segmented)
- UHF Use Distance: about 40m in open areas w/o interference
- Battery Type: Li-ion battery
- Battery Capacity: 3.7V/400mA
- Charging Spec: DC 5V / 200mA
- Charging Time: about 2 hours
- Play Time: about 5 hours
- Weight: about 39g

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

Function Descriptions

Amplifier



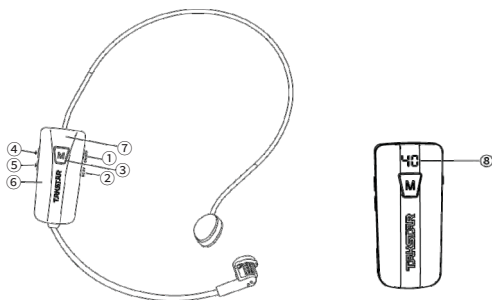
E20W WIRELESS AMPLIFIER

- 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.
- 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.
Tip: Please make sure the audio files in the TF card are stored in Mp3 and/or WAV format, otherwise it won't be readable and may even damage the device. Please format the TF card to FAT16 or FAT32 file system before copying songs, because other file system (e.g., exFAT, NTFS) will cause failure to save recordings or play songs.

E20W WIRELESS AMPLIFIER

- 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 $\varnothing 3.5\text{mm}$ 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.

Headset Microphone



Headset microphone

Display screen

- ① Power switch: toggle switch to ON or OFF to power on or off respectively.
- ② Charging port: connect to a Type-C cable with a power adapter for charging.
- ③ M button: used for changing frequency, refer to “Pairing Method” section for details.

E20W WIRELESS AMPLIFIER

- ④ [+] button: press to increase mic volume. In pairing mode, press or long press to gradually/rapidly change to previous channels.
- ⑤ [-] button: press to decrease mic volume. In pairing mode, press or long press to gradually/rapidly change to next channels.
- ⑥ Power indicator: light's off when the power is off and not charging; lights up solid blue when powered on and power is sufficient; flashes blue if low power; illuminates red while charging and goes off when fully charged.
- ⑦ LED display: display info such as working channel, mic volume and power setting.
- ⑧ Working channel/mic volume: display the current operating channel by default; 40 working channels in total, "01-40" . Volume level is displayed for 3s when you press volume [+]/[-] button, 9 levels in total, "U1-U9" . LED display goes off automatically after 10s without any operation.
- ⑨ High/Low power switch: press both [M] and [-] buttons at the same time to switch to low power, LED display shows E0; or press both [M] and [+] to switch to high power, LED display shows E1. (Use distance is around 10m when set to low power, or around 40m when set to high power)

■ Operation Instructions

I. How to Use

Headset Microphone:

1. Pairing Method

- ① First, power off both the headset mic and the amplifier. Next, power up the headset mic, long press mic [M] button for 3s until its LED display shows a circle. Then, immediately power up the amplifier, wait until the headset mic's LED circle changes into a static number. Talk towards the mic to test if your

E20W WIRELESS AMPLIFIER

voice is amplified and if pairing is successful. If the amplifier is not powered on within 10s after the mic enters pairing mode, the mic will exit pairing mode and its LED circle will change back to a static number.

② No sound when talking to the headset mic means the pairing is not successful, please retry.

2. Changing Frequency

Make sure that the headset mic and the amplifier are already paired, then power up both devices at the same time. Press the mic [M] button to change frequency, and the channel number on headset LED display will flicker. Then, press or long press volume [+] / [-] button to cycle through frequency gradually / rapidly, and press [M] again to confirm frequency, or leave it auto confirmed after 3s idleness.

3. Methods for using multiple devices simultaneously

① To use multiple devices at the same time, first reconnect them using the "Pairing Method" described above, then switch to different channels using the frequency changing method.

② When using multiple devices at the same time, it is necessary to switch to different channels to avoid interference.

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 E20W" 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, overhear, 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

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