

# TS-451M

USB数字语音耳机

USB Headset



用户手册  
USER MANUAL

## ■ 前言

尊敬的用户：

感谢您选购TAKSTAR TS-451M USB数字语音耳机，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 或使用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

- 内置优质数字解码芯片，精准还原声音细节，享受数字高清音质
- 稳定性好的PET振膜，真实重现音乐的细节、声场和层次
- 封闭式音腔设计，配合精选的舒适耳垫提供更好的隔音效果
- 高灵敏度麦克风，带来出色的语音对话体验
- 耳机结构依照人体工程学设计，适合不同人群佩戴
- 采用Type-C接口，配置USB-A转接器，更广泛的设备兼容

## ■ 包装清单

耳机.....	1个
USB转Type-C 转换器.....	1个
用户手册.....	1份

## ■ 适用范围

适用于PC、MAC和Type-C接口移动设备

## ■ 技术参数

产品类型：动圈式

单元直径：Ø40mm

频率响应：20Hz-20KHz

采样率：48KHz

比特率：24bit

耳机最大输出功率：6.5mW

阻抗：32Ω±15%

灵敏度：97±3dB at 1KHz

麦克风指向性：单指向

麦克风频率响应：80Hz-15KHz

麦克风灵敏度：-41±3dBV (1V/Pa at 1KHz)

接驳插头：Type-C接口

转接器：USB-A转Type-C

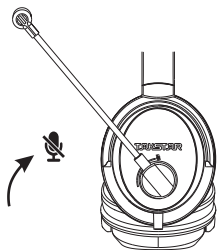
信号线：Ø4mmx2m

重量：约230g (不含转接器)

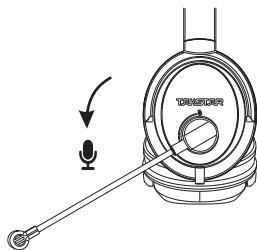
注：以上数据由得胜实验室测试得到，并拥有最终解释权！

## ■ 使用说明

### 1. 麦克风使用

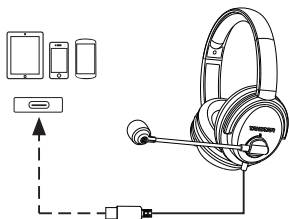
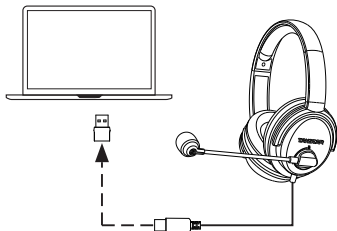


向上旋转，可切换静音



向下回转，可恢复拾音

### 2. 设备连接



## 3. 设备默认设置

Windows:

从“控制面板” / “硬件和声音” / “声音”，将“播放”和“录制”选项卡选择“TS-451M”



Mac:

从“系统偏好设置” / “声音”，将“输出”和“输入”设备选项卡选择“TS-451M”。



## ■ 安全使用说明

为了您有一个安全与舒适的体验，请仔细阅读并遵守以下事项：

1. 为了避免听力受损，请务必在连接耳机前将播放设备音量调小！在将耳机佩戴入耳内/耳上之后，再逐步调大至您聆听舒适的音量。噪音是以分贝（dB）为计量单位，外界任何85分贝及以上的噪音都会导致听力逐渐受损。

2. 请注意您的使用习惯！音量与时间对听力的损伤是成正反比的关系，音量越大，您聆听的时间越短；音量越舒适，您聆听的时间越长。长时间使用较高的音量会对您的听力造成损伤。

以下分贝（dB）表对某些常见声音进行比较，并列出了他们可能对听力的潜在危害等级：

声音来源	噪声等级	听力影响
低声细语	30dB	非常安静
安静的办公室	50-60dB	舒适的听力级别在60dB以下
吸尘器/吹风机	70dB	有一定入侵性，造成干扰妨碍电话交谈
食物料理机	85-90dB	85dB是开始造成听力受损（连续8小时）的级别
垃圾清理机 混凝土搅拌机	100dB	建议无保护措施而暴露在90-100dB声音之下的时间不要超过15分钟
电锯/电钻	110dB	经常暴露于超过100dB的声音1分钟以上会有听力受损的风险
摇滚音乐会 (因情况而异)	110-140dB	感觉疼痛的阈值在120dB左右开始

温馨提醒：普通人以70%的音量聆听音乐，安全的时间是每天4.6小时，所以了解在不同场所声音对于听力的影响尤为重要！我们一起在安全的音量级别下，充分利用手上的设备，享受声音表现！

## ■ 维护及保养

- 1.耳机最大输出功率：6.5mW，请不要超负荷使用，以免造成耳机损坏；
- 2.请储存于干燥洁净环境，使用中避免液体进入机身内部、跌落或碰撞，以免损坏；
- 3.勿在高温高湿的场所长时间使用耳机，容易造成耳机损坏或降低使用寿命；
- 4.耳机在放置时要避免和强磁体接触，以免使耳机的恒磁体去磁，使耳机的灵敏度降低而影响耳机音色；
- 5.勿使用烈性化学制品、清洁剂，清洁耳机；
- 6.不要用尖锐物品在产品表面刮蹭，以免损坏外壳、影响外观；
- 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经销商跟进处理；

## ■ 注意事项

### ⚠ 危险

• 为确保您的人身安全，请勿将该耳机佩戴或放置在心脏起搏器过近的位置（小于 10cm）。	⊘ 禁止
• 请勿将线材插头插入电源插座。	⊘ 禁止
• 为了您与其他交通参与者的安全，驾驶机动车、骑自行车或马路上行走时，请勿使用耳机。	ⓘ 执行
• 请勿将耳机靠近明火或置于火中，以免发生爆炸。	⊘ 禁止

### ⚠ 警告

• 儿童应在成人监督下使用本产品,本产品并非玩具。	ⓘ 执行
• 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机，以免导致意外事故。	ⓘ 执行

## ■ 关于图标含义解释



根据RL2004/108/EG和European Low Voltage Directive (欧洲低电压指令) RL2006/95/EG的测试结果表明, 本产品符合欧共体关于电磁兼容性的成员国法律整合的指令中所规定的限值。



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, 应将本产品应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, 请有效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。



## 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

### 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）。

◆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

## ■ Preface

Dear Customer,

Thank you for purchasing TAKSTAR TS-451M USB Headset. Please read the user manual carefully before use and keep it for reference in future.

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

## ■ Features

- Built-in high-quality digital decoding chip for precise reproduction of sound details and digital HD sound quality
- PET diaphragm of good stability to reproduce the details, sound field and level of music
- Closed design and comfortable ear pads to provide better sound insulation
- High-sensitivity microphone for excellent voice quality
- Ergonomic headset design suitable for different groups of people
- Compatible with a wider range of equipment thanks to Type-C interface and USB-A adapter

## ■ Product Content

Headset.....	1 pc
USB Type-C adapter .....	1 pc
User manual .....	1 pc

## ■ Application

Suitable for PC, MAC and mobile devices with Type-C interface

## ■ Specification

Product Type: dynamic

Unit Diameter: Ø40mm

Frequency Response: 20Hz-20KHz

Sampling Rate: 48KHz

Bit Rate: 24bit

Maximum Output Power: 6.5mW

Impedance:  $32\Omega \pm 15\%$

Sensitivity:  $97 \pm 3\text{dB}$  at 1KHz

Microphone Polar Pattern: unidirectional

Microphone Frequency Response: 80Hz-15KHz

Microphone Sensitivity:  $-41 \pm 3\text{dBV}$  (1V/Pa at 1KHz)

Connector: Type-C interface

Adapter: USB-A to Type-C

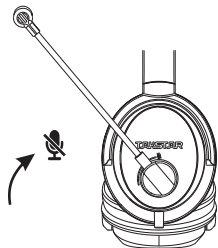
Signal Cable: Ø4mm\*2m

Weight: approximately 230g (excluding adapter)

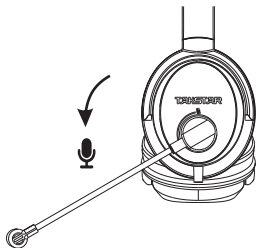
Note: The data is tested by Takstar Laboratory, and Takstar has the final interpretation right!

## ■ Operation Description

### 1. Use of the microphone

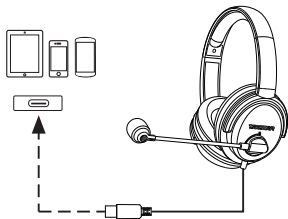
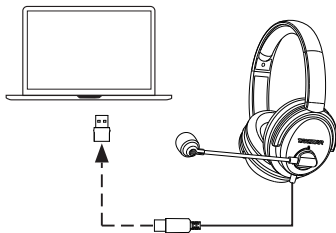


Rotate it upward for the mute function.



Rotate it downward to cancel the mute function.

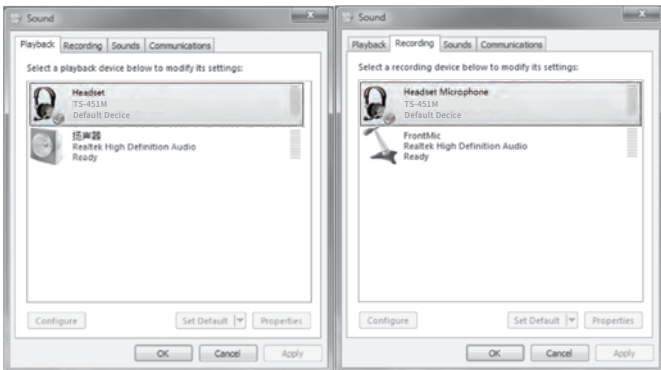
### 2. Device connection



## 3. Device default settings

Windows:

After clicking "Control Panel"/"Hardware and Sound"/"Sound" one by one, select "TS-451M" from the "Play" and "Record" tabs.



Mac:

After clicking "System Preferences"/"Sound" one by one, select "TS-451M" from the "Output" and "Input" tabs.



## ■ Correct Operation

For safe and comfortable operation, please read carefully and abide by the following items:

1. To avoid hearing loss, set the volume of the player to minimum before connecting the headset. After putting the earphone on, increase the volume to a proper level. Noise is measured in decibels (dB). Any outside noise of 85 decibels or more will cause gradual hearing loss.
2. Please pay attention to your operation habits! Volume and time are directly and inversely proportional to hearing loss. The louder the volume, the shorter the time you listen; the more comfortable the volume is, the longer the time you listen. Listen high volume sound will cause damage to your hearing.

This dB table lists the comparison of some normal sounds and the potential hurt level to your hearing:

Sound Source	Noise Level	Consequence on Hearing
whisper	30dB	very quiet
quiet office	50-60dB	comfortable hearing level is below 60dB
vacuum cleaner/ hair drier	70dB	It has some invasion and interference to the telephone talking
food processor	85-90dB	85dB (continuously 8 hours) is the level to hurt the hearing
garbage cleaning machine or cement mixer	100dB	It is recommended to hear the sound of 90-100dB for less than 15 minutes
electric motor saw/ electric drill	110dB	Hearing the sound over 100dB without any protective measure leads to permanent hearing loss
rock & roll concert (it depends)	110-140dB	The painful hearing threshold is about 120dB

The average person can hear the music safely at 70% volume for 4.6 hours every day. It is very important to know the volume and time when hearing music. Use your equipment sufficiently at safe volume level to enjoy the outstanding sound performance.





## ■ Maintenance

- 1.The maximum output power of the headset is 6.5mW. Please do not overload it to avoid damage to the headset.
- 2.Please keep the headphone (or earphone) in dry and clean environment. During operation, prevent the headphone (or earphone) from water entering into it or dropping or colliding to avoid damage.
- 3.Operating the headphone in high temperature or high humidity leads to headphone damage or shortening the headphone life.
- 4.Keep the headphone away from strong magnet to avoid demagnetizing or headphone sensitivity decreased.
- 5.Do not use strong chemical or detergent for cleaning.
- 6.Do not use sharp article to scratch the product surface.
- 7.Please do not disassemble or repair the headphone by yourself to avoid problem happens.

## ■ Caution





### DANGER

• To guarantee personal safety, do not wear or keep the headphone close (less than 10cm) to the pacemaker.	 Prohibition
• Do not connect the cable plug with AC power socket	 Prohibition
• To guarantee personal safety, do not operate the headphone (or earphone) during driving or riding or walking.	 Implementation
• Keep the headphone (or earphone) away from fire to avoid explosion.	 Prohibition






## WARNING

<ul style="list-style-type: none"><li>• Supervise the children when they are using this product because this product is not a toy.</li></ul>	 Implementation
<ul style="list-style-type: none"><li>• Abide by the relative regulation or law during operation. Do not use this headphone if it is prohibited by regulation or law to avoid accident.</li></ul>	 Implementation



## ■ Icon meaning

 According to the test results of RL2004 / 108 / EG and European low voltage directive RL2006 / 95 / EG, this product conforms to the limit values specified in the directive of the European Community on the integration of the laws of the member states on electromagnetic compatibility.

 This symbol indicates that according to WEEE Directive (2012 / 19 / EU) and national laws, this type of waste will have potential harmful substances,  which may have a negative impact on the environment and human health, so this product should not be disposed together with your household waste, and should be handed over to the authorized electrical and electronic equipment (WEEE) recycling station for recycling. At the same time, when you handle this product correctly, it will help the effective use of natural resources. For more information on where you can place your waste recycling equipment, please contact your local city office, Waste Management Bureau or household waste treatment service.

## 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)
塑料部件	○	○	○	○	○	○
金属部件	×	○	○	○	○	○
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。





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