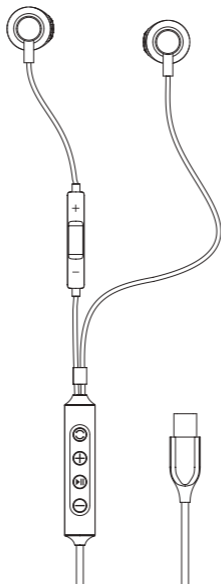


TAKSTAR® 得胜



GT1 | 声卡耳机一体机
Audio Interface Headphones

使用手册 | User Manual

■ 前言

尊敬的用户：

感谢您选购得胜GT1声卡耳机一体机，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

- 声卡耳机一体机，适用于直播、K歌、听歌、语音通话等场景；
- USB-C即插即用，OTG无损传输，兼容手机、平板、电脑等智能设备；
- 内置专业声卡数字芯片，既可实现直播K歌，也可以听歌及语音通话；
- 采用DSP数字算法，实现专业混响、变声等多种麦克风效果及耳机音效；
- 无线连接伴奏，支持一部手机直播，一部手机播放伴奏，伴奏播放更方便；
- 实时耳返监听，精准不拖拍，演唱节奏音准随时把握；
- 支持两级麦克风降噪，可根据不同环境的嘈杂程度进行选择；
- 一键闪避，说话时背景音乐自动压低，适合直播时使用；
- 具有内录开关，一键启闭内录功能，方便连麦和歌曲录制、混音；
- 内置9种主播暖场音效，活跃直播氛围，增加互动趣味性；
- 配备31键遥控器，更多功能切换和精细化声音调节更快捷。

■ 适用范围

适用于直播、K歌、听歌、语音通话等场合

■ 标准配置

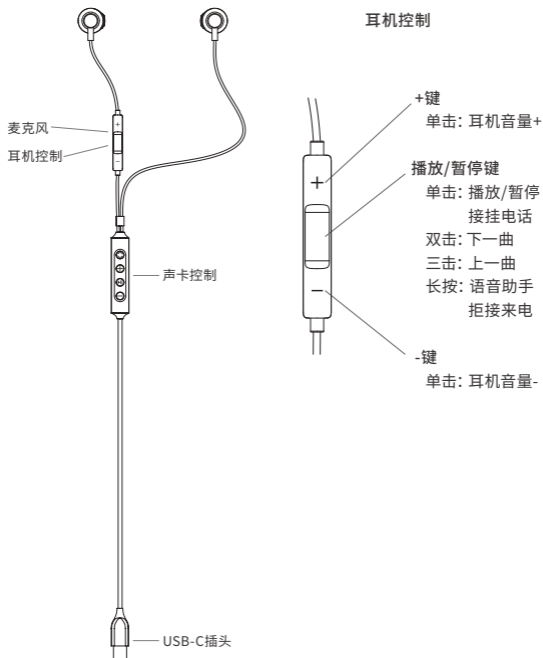
GT1声卡耳机一体机.....	1只
遥控器.....	1个
7号电池.....	1对
说明书.....	1份

■ 技术参数

- 数据传输: USB2.0
- 采样率: 48KHz
- 比特率: 16bit
- 拾音头: 硅麦
- 麦克风指向性: 全指向
- 麦克风频率响应: 20Hz-20KHz
- 麦克风灵敏度: $-38\pm 3\text{dB}$ ($0\text{dB}=1\text{V}/\text{Pa}$ at 1KHz)
- 耳机单元类型: 动圈
- 耳机单元直径: 14.2mm
- 耳机频率响应: 20Hz-20KHz
- 耳机阻抗: 32Ω
- 耳机灵敏度: $106\pm 3\text{dB}$ at 1KHz 1mW
- 耳机峰值输出功率: 40mW
- 音频接口: USB-C
- 线材长度: 1.2m
- 产品重量: 约17g (仅耳机, 不含遥控器)

注: 以上数据由得胜实验室测试得到, 并拥有最终解释权!

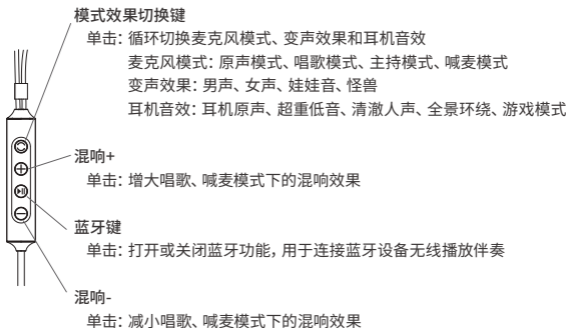
■ 功能示意



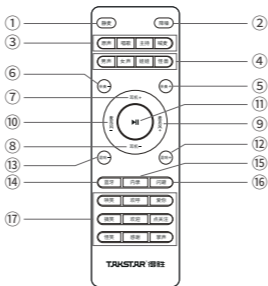
注: 部份设备由于系统兼容问题, 线控按键功能会有所差异。

GT1 声卡耳机一体机

声卡控制



遥控器



- ① 静麦：单击开启或关闭静麦，并有相应语音提示；
- ② 降噪：单击循环切换一级降噪、二级降噪、关闭降噪，并有相应语音提示；
- ③ 模式切换区：原声、唱歌、主持、喊麦，通过单击按键进行切换，并有相应语音提示；
- ④ 变声切换区：男声、女声、娃娃音、怪兽，通过单击按键进行切换，并有相应语音提示；
- ⑤ 伴奏+：单击增大蓝牙伴奏音量，调到最大音量时，有“嘀”的一声提示音；
- ⑥ 伴奏-：单击减小蓝牙伴奏音量，调到最小音量时，有“嘟”的一声提示音；
- ⑦ 耳机+：单击增大监听音量，调到最大音量时，有“嘀”的一声提示音；
- ⑧ 耳机-：单击减小监听音量，调到最小音量时，有“嘟”的一声提示音；
- ⑨ 麦克风+：单击增大麦克风音量，调到最大音量时，有“嘀”的一声提示音；
- ⑩ 麦克风-：单击减小麦克风音量，调到最小音量时，有“嘟”的一声提示音；
- ⑪ 播放/暂停键：单击控制蓝牙伴奏的播放与暂停；
- ⑫ 混响+：单击增大唱歌、喊麦模式下的混响效果，并有相应语音提示；
- ⑬ 混响-：单击减小唱歌、喊麦模式下的混响效果，并有相应语音提示；
- ⑭ 蓝牙：单击打开或关闭蓝牙功能，用于连接蓝牙设备无线播放伴奏；
- ⑮ 内录：单击开启或关闭内录功能，并有相应语音提示，连麦时需关闭内录功能；
- ⑯ 闪避：单击开启或关闭闪避功能，并有相应语音提示。开启时说话背景音乐会自动压低，不说话时音乐自动恢复到正常状态；
- ⑰ 暖场音效区：9种暖场音效选择，单击播放对应音效。

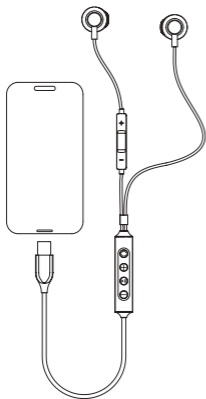
■ 使用说明

一、手机端连接及使用

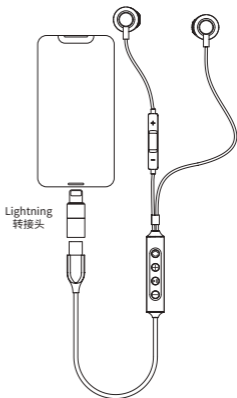
手机连接

1. 单手机连接方法

将GT1 USB-C插头接入手机的USB-C接口，如果使用的手机是iPhone 14及以下机型，则需要将GT1与选购的“Lightning转接头”连接，再连接至手机，连接成功后即可实现单部手机直播、K歌、听歌或语音通话了。



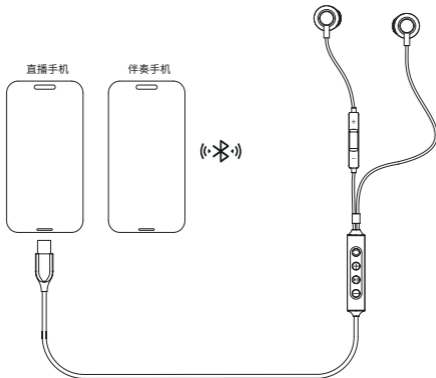
安卓及iPhone 15及以上手机连接方法



iPhone 14及以下手机连接方法

2. 双手机连接方法

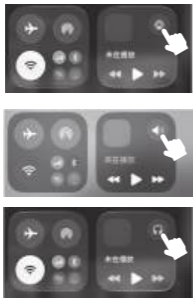
按单手机连接方法将用于直播或录制歌曲的手机连接好，然后拿出另一台作为播放伴奏的手机，通过蓝牙与GT1连接，连接成功后即可实现一部手机用来直播，一部手机用来播放伴奏了。具体的蓝牙连接方法详见本说明书的“无线伴奏连接”部分。



手机设置

iOS系统设置

1. 下滑或上滑手机屏幕进入iPhone控制中心，点击右上角播放控制面板内如下任一图标（“📶”、“🎧”、“🔊”）进入设备列表窗口；
2. 在出现的窗口中查看设备是否显示为“TAKSTAR GT1”，如是，则说明与手机连接成功。如图所示：



Android系统设置

GT1兼容大部分带OTG功能的智能安卓手机，可能有部分型号手机和应用软件会限制OTG功能，这并不是产品质量原因导致的，请您与您的移动设备供应商确认您的手机是否支持OTG功能。如OPPO、vivo品牌的部分手机需要打开OTG功能才能正常使用。

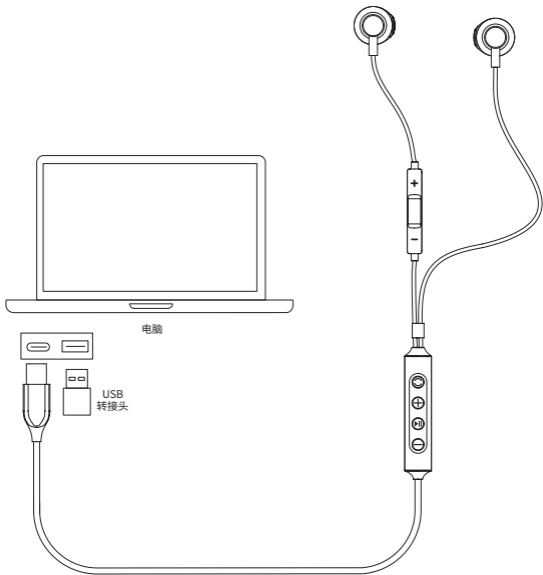


GT1 声卡耳机一体机

二、电脑端连接及使用

电脑连接

将GT1接入电脑的USB-C接口，电脑打开K歌/直播软件即可使用。若电脑是USB-A型接口，则需要将GT1与“USB转接头”（需自行另购）连接，再连接至电脑。



GT1 声卡耳机一体机

电脑设置

在电脑上使用GT1时,需将音频选项设置为“TAKSTAR GT1”,以Windows11和macOS系统为例,其他版本的系统操作方法相似,此处不再赘述。

Windows11系统设置

1. 鼠标右键单击右下角的扬声器图标,选择“声音设置”



2. 选择“更多声音设置”,进入“声音”设置对话框;



3. 在“声音”对话框中选择“录制”选项，将“TAKSTAR GT1”设置为默认设备。对着麦克风说话时，对话框中的麦克风的音量指示图标会变成绿色并跳动；



4. 双击“TAKSTAR GT1”进入麦克风属性，选择“级别”选项，将麦克风音量调整为100%，如图所示：



GT1 声卡耳机一体机

5. 在麦克风属性对话框中选择“侦听”选项，查看“侦听此设备”是否为勾选状态，如果是的话，请取消勾选；



6. 在“声音”对话框中选择“播放”选项，将“TAKSTAR GT1”设置为默认设备，如图所示：



macOS系统设置

1. 双击打开“系统偏好设置”，选择“声音”，打开“声音”对话框，如下图所示；



GT1 声卡耳机一体机

2. 单击“输入”选项，选择“TAKSTAR GT1”作为声音输入设备，拖动“输入音量”至100%状态；



3. 在“输出”选项中，选择“TAKSTAR GT1”作为声音输出设备，将“输出音量”调整为适当的音量，如下图所示。



三、无线伴奏连接

首次使用无线伴奏连接时，需要与手机或其他蓝牙设备配对连接，操作步骤如下：

1. 单击遥控器上的蓝牙键，语音提示开启后，自动进入搜索配对状态；
2. 打开手机的“设置”菜单，找到蓝牙列表，搜索“TAKSTAR GT1”并点击连接，成功后伴有提示音；
3. 下次使用时，如果已有进行过蓝牙连接，则自动回连上一次的设备。

■ 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，以免造成产品异常和听力损伤；
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。

■ 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

本使用手册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，本使用手册可能不符合您的特定产品的技术规格。要获取最新版使用手册，请访问得胜官网，然后下载使用手册文件。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>

版权所有 ©2025 得胜。得胜、TAKSTAR及其各自标志是得胜公司在中国和/或其他国家/地区的注册商标或商标。所有其它商标均是其各自所有者的财产。

■ Preface

Dear Customer,

Thank you for purchasing Takstar GT1 Audio Interface Headphones. 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

- Audio interface headphones, suitable for live streaming, karaoke, music listening, and voice calls.
- USB-C plug-and-play, OTG lossless transmission, and compatible with smartphones, tablets, and computers.
- Built-in professional audio interface digital chip enables live streaming karaoke, music listening and voice calls.
- Adopts DSP digital algorithm to deliver multiple microphone effects, including professional reverb, voice changing, and headphone sound effects.
- Supports wireless accompaniment connection: one smartphone for live streaming and another for accompaniment playback, ensuring greater convenience for accompaniment playback.
- Real-time in-ear monitoring for accurate, delay-free performance, allowing real-time control of singing rhythm and pitch.
- Offers two-level microphone noise reduction, selectable based on the noise level of different environments.
- One-key ducking function: automatically lowers background music when speaking, ideal for live streaming.
- Equipped with an internal recording switch for one-key activation/deactivation of internal recording, facilitating audio conferencing, song recording, and mixing.
- Built-in 9 streaming warm-up sound effects to liven up the live streaming atmosphere and enhance interactive fun.
- Comes with a 31-key remote control, enabling faster switching of more functions and precise sound adjustment.

■ Applications

Suitable for live streaming, karaoke, music listening, and voice calls.

■ Package Contents

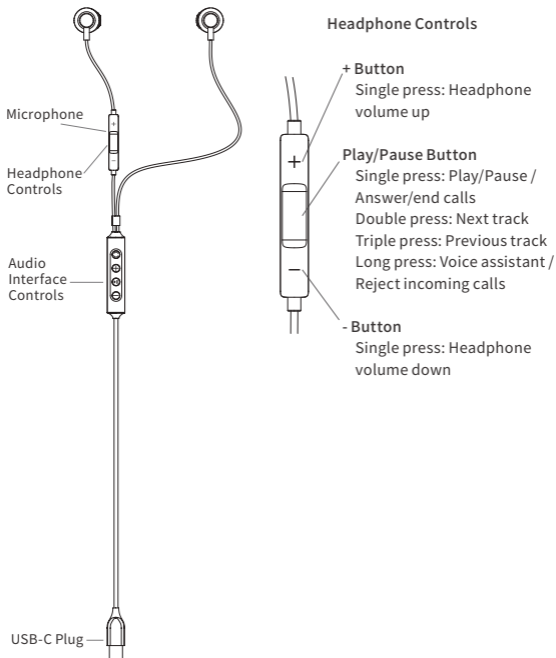
- 1 × Audio Interface Headphones
- 1 × Remote Control
- 2 × AAA Batteries
- 1 × User Manual

■ Specifications

- Data Transmission: USB 2.0
- Sampling Rate: 48KHz
- Bit Depth: 16bit
- Microphone Capsule: Silicon Microphone
- Microphone Polar Pattern: Omnidirectional
- Microphone Frequency Response: 20Hz-20KHz
- Microphone Sensitivity: $-38 \pm 3\text{dB}$ ($0\text{dB}=1\text{V/Pa}$ at 1KHz)
- Headphone Driver Type: Dynamic
- Headphone Driver Diameter: 14.2mm
- Headphone Frequency Response: 20Hz-20KHz
- Headphone Impedance: 32Ω
- Headphone Sensitivity: $106 \pm 3\text{dB}$ at 1KHz 1mW
- Headphone Peak Output Power: 40mW
- Audio Interface: USB-C
- Cable Length: 1.2m
- Product Weight: Approx.17g (Headphones only, excluding remote control)

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

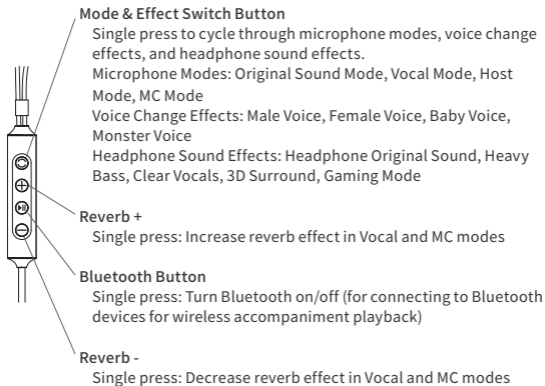
■ Function Descriptions



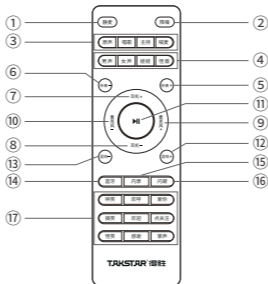
Note: Due to system compatibility issues, the wired control button functions may vary across some devices.

GT1 Audio Interface Headphones

Audio Interface Controls



Remote Control



GT1 Audio Interface Headphones

- ① **Mute Mic:** Single press to turn on or off mute mic, with a corresponding voice prompt.
- ② **Noise Reduction:** Single press to cycle through Level 1 Noise Reduction, Level 2 Noise Reduction, and Noise Reduction Off, with corresponding voice prompts.
- ③ **Mode Switch Area:** Original Sound, Vocal, Host, and MC modes. Switch between them via single press, with corresponding voice prompts.
- ④ **Voice Change Switch Area:** Male Voice, Female Voice, Baby Voice, and Monster Voice. Switch between them via single press, with corresponding voice prompts.
- ⑤ **Accompaniment +:** Single press to increase the volume of Bluetooth accompaniment. When adjusted to the maximum volume, a "beep" prompt sound will play.
- ⑥ **Accompaniment -:** Single press to decrease the volume of Bluetooth accompaniment. When adjusted to the minimum volume, a "beep" prompt sound will play.
- ⑦ **Headphone +:** Single press to increase the monitor volume. When adjusted to the maximum volume, a "beep" prompt sound will play.
- ⑧ **Headphone -:** Single press to decrease the monitor volume. When adjusted to the minimum volume, a "beep" prompt sound will play.
- ⑨ **Mic +:** Single press to increase the microphone volume. When adjusted to the maximum volume, a "beep" prompt sound will play.
- ⑩ **Mic -:** Single press to decrease the microphone volume. When adjusted to the minimum volume, a "beep" prompt sound will play.
- ⑪ **Play/Pause Button:** Single press to control the play and pause of Bluetooth accompaniment.
- ⑫ **Reverb +:** Single press to increase the reverb effect in Vocal and MC modes, with a corresponding voice prompt.
- ⑬ **Reverb -:** Single press to decrease the reverb effect in Vocal and MC modes, with a corresponding voice prompt.
- ⑭ **Bluetooth:** Single press to turn on or off the Bluetooth function, used for connecting to Bluetooth devices for wireless accompaniment playback.
- ⑮ **Loopback:** Single press to turn on or off the loopback function, with a corresponding voice prompt. The loopback function must be turned off during audio connection.

GT1 Audio Interface Headphones

- ⑯ **Ducking:** Single press to turn on or off the ducking function, with a corresponding voice prompt. When enabled, the background music will be automatically lowered when speaking, and resume to normal when not speaking.
- ⑰ **Warm-up Sound Effect Area:** 9 warm-up sound effects available; single press to play the corresponding sound effect.

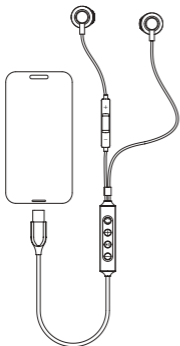
■ Operating Instructions

I. Mobile Phone Connection and Usage

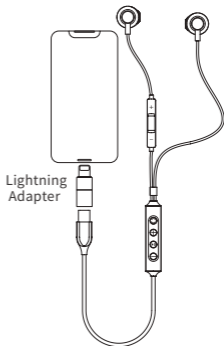
Mobile Phone Connection

1. Single Phone Connection Method

Insert the GT1 USB-C plug into the USB-C port of your phone. If you are using an iPhone 14 or earlier models, you need to connect the GT1 to the optional "Lightning Adapter" first, then connect it to your phone. Once connected successfully, you can use a single phone for live streaming, karaoke, music listening, or voice calls.



Connection method for Android and iPhone 15 and later phones

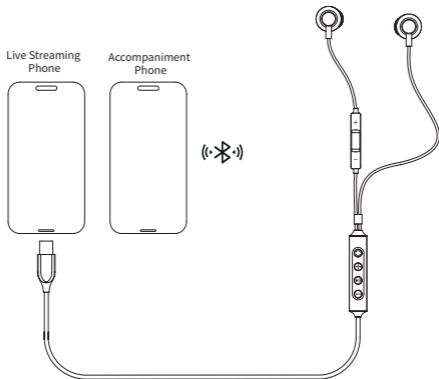


Connection method for iPhone 14 and earlier phones

GT1 Audio Interface Headphones

2. Dual Phone Connection Method

Connect the phone used for live streaming or song recording according to the single phone connection method. Then take another phone used for playing accompaniment and connect it to the GT1 via Bluetooth. Once connected successfully, you can use one phone for live streaming and the other for playing accompaniment. For specific Bluetooth connection methods, please refer to the "Wireless Accompaniment Connection" section in this manual.

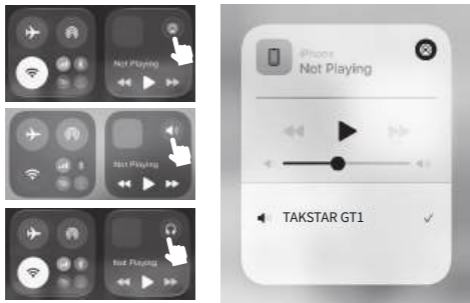


Phone Settings

iOS System Settings

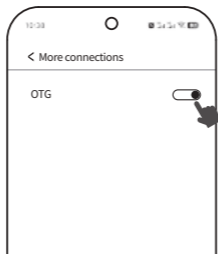
1. Swipe up or down on your iPhone screen to open the iPhone Control Center, then tap any of the following icons ("📶", "🎧", "🔊") in the playback control panel at the top right to access the device list window.
2. In the displayed window, check if the device is shown as "TAKSTAR GT1". If so, it indicates a successful connection with the phone. As shown in the diagram:

GT1 Audio Interface Headphones



Android System Settings

GT1 is compatible with most smart Android phones with OTG function. Some phone models and applications may restrict the OTG function, which is not caused by product quality issues. Please confirm with your mobile device supplier whether your phone supports the OTG function. For example, some phones of brands like OPPO and vivo require enabling the OTG function for proper use.

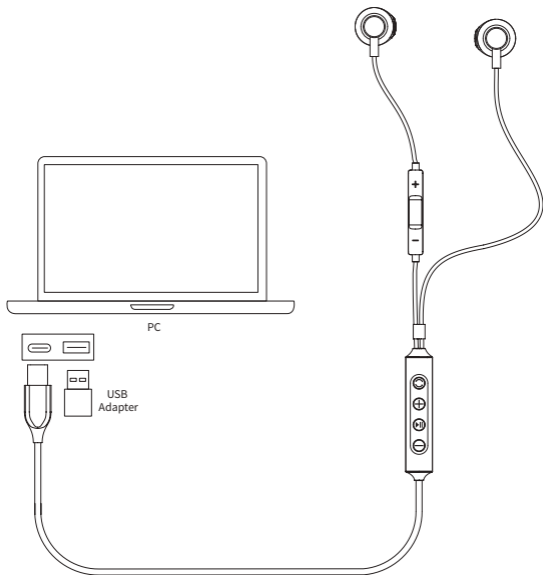


GT1 Audio Interface Headphones

II. Computer Connection and Usage

Computer Connection

Connect the GT1 to the USB-C port of your computer. You can use it by opening karaoke/live streaming software on the computer. If your computer has a USB-A port, you need to connect the GT1 to a "USB Adapter" (sold separately) first, then connect it to the computer.



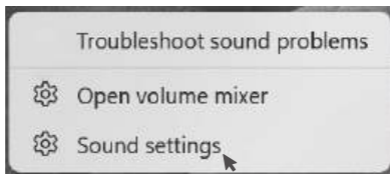
GT1 Audio Interface Headphones

Computer Settings

When using GT1 on a computer, you need to set the audio options to "TAKSTAR GT1". Taking Windows 11 and macOS systems as examples, the operation methods for other versions of systems are similar and are not elaborated here.

Windows 11 System Settings

1. Right-click the speaker icon in the bottom-right corner and select "Sound settings".

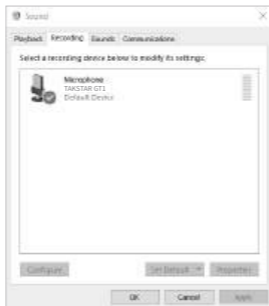


2. Select "More sound settings" to enter the "Sound" settings dialog box.



GT1 Audio Interface Headphones

3. In the "Sound" dialog box, select the "Recording" tab, and set "TAKSTAR GT1" as the default device. When speaking into the microphone, the microphone's volume indicator icon in the dialog box will turn green and pulse.



4. Double-click "TAKSTAR GT1" to enter the Microphone Properties, select the "Levels" tab, and adjust the microphone volume to 100%, as shown in the diagram:



GT1 Audio Interface Headphones

5. In the Microphone Properties dialog box, select the "Listen" tab, check if "Listen to this device" is checked. If so, please uncheck it.



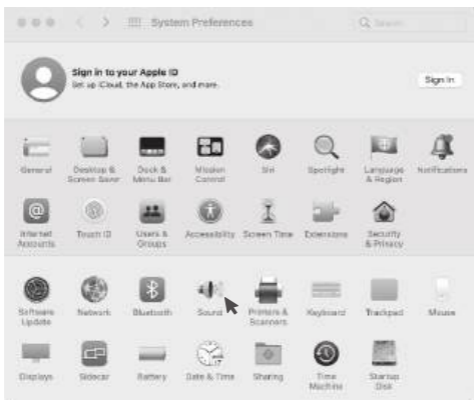
6. In the "Sound" dialog box, select the "Playback" tab, and set "TAKSTAR GT1" as the default device, as shown in the diagram:



GT1 Audio Interface Headphones

macOS System Settings

1. Double-click to open "System Preferences", select "Sound" to open the "Sound" dialog box, as shown in the diagram:

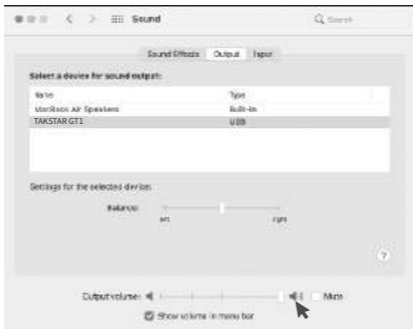


GT1 Audio Interface Headphones

2. Click the "Input" tab, select "TAKSTAR GT1" as the sound input device, and adjust "Input volume" to 100%.



3. In the "Output" tab, select "TAKSTAR GT1" as the sound output device, and adjust "Output volume" to an appropriate level, as shown in the diagram:



III. Wireless Accompaniment Connection

For the first time using wireless accompaniment connection, you need to pair and connect with a smartphone or other Bluetooth devices. The operation steps are as follows:

1. Single-press the Bluetooth button on the remote control. After the voice prompt for activation, it will automatically enter search and pairing mode.
2. Open the "Settings" menu of your phone, find the Bluetooth list, search for "TAKSTAR GT1" and click to connect. A prompt sound will be heard upon successful connection.
3. For subsequent use, if a Bluetooth connection has been established before, it will automatically reconnect to the last connected device.

■ 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 and hearing impairment.
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. 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 unauthorized 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/>
Copyright ©2025 TAKSTAR. TAKSTAR, 得胜 and their respective logos are registered trademarks or trademarks of Takstar company in the PRC, and/or other countries. All other trademarks are the property of their respective owners.

产品中有害物质或元素的名称及含量标识表

部件名称	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 丁基辛酯 (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	×	○	○	○	○	○	○	○	○	○

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温度和湿度等条件。



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开发中心 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

Designed & Manufactured by:

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