

# TAKSTAR® 得胜

## MX1 mini SET

### 直播声卡套装

LIVE BROADCAST SOUND CARD SET



使用手册 User Manual

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## ■ 前言

感谢您选购得胜MX1 mini SET直播声卡套装,为了您能够更好的了解及使用本产品,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。



## ■ 产品简介

MX1 mini SET声卡套装是一套直播K歌装备,套装包含声卡、电容麦克风、耳塞、支架配件等。声卡内置锂电池,自带9种美声效果,9种主播特效,兼容手机、平板等智能终端,小巧便携,操作简单。麦克风采用全指向电容音头,拾音灵敏,声音清晰自然。耳塞专为监听而设计,Ø9.2mm高解析驱动单元,还原丰富的声音细节。装备配置高档的铝合金箱,方便携带户外使用。

## ■ 产品特性

### MX1 mini声卡

- 针对移动直播、K歌而设计,适用于智能手机、平板及电脑;
- 内置DSP芯片,9种美声效果快速切换,操作简便;
- 具有麦克风高、低音调节,可根据不同人群、不同麦克风的声特点进行调节;
- 一键原声,方便主播从演唱模式迅速切换到聊天模式;
- 一键电音,12种电音基调,基调对得更准,唱电音歌曲更稳更轻松;
- 一键闪避效果,说话时背景音乐自动压低,适合主播使用;
- 具备蓝牙播放功能,简化繁琐的线材连接,无线播放音乐更自由;
- 具有9种主播音效,烘托直播间气氛,直播更具趣味性;
- 智能降噪,自动屏蔽麦克风对环境噪音的拾取,唱歌更安静;
- 内置聚合物锂离子电池,可边充电边用,使用时间约7小时。

## PCM-5580电容麦克风

- 采用全指向音头,拾音灵敏度高、声音清晰自然;
- 低输出阻抗,能更有效的与声卡相匹配,实现优质录音效果;
- 内置高效过滤海绵,有效滤除风声、齿音声等噪音;
- 采用1.5V -5V直连供电方式,即插即用,使用方便。

## TS-2260耳机

- Ø9.2mm高解析驱动单元,还原丰富的声音细节;
- 全频段声音均衡准确,专为返送监听而设计;
- 人体工程学设计,绕耳式佩戴,舒适、稳固。

## ■ 包装清单

MX1 mini声卡	1台
PCM-5580电容麦克风	1支
TS-2260耳塞	1条
耳帽(S、M、L)	3对
三脚支架	1个
麦克风夹子	1个
音频线(规格:Φ3mm*1.2m)	2条
Type-C数据线(规格:Φ4mm*1.5mm)	1条
麦克风线材	1条
铝合金箱	1个
说明书	1份

## ■ 适用范围

手机/平板/电脑:K歌、直播、录音  
适用于各种娱乐直播APP及带货直播平台

## ■ 系统要求

iOS、Android、windows全兼容

## ■ 技术参数

### 主机参数

数据传输:USB2.0  
采样率:48KHz/16bit  
频率响应:20Hz-20KHz( $\pm 3\text{dB}$ )  
总谐波失真:  $\text{THD} < 0.5\%$  1KHz  
耳机输出功率:120mW/32 $\Omega$   
耳机信噪比:90dB (A-Weighted)  
蓝牙版本:V4.2  
主芯片:DSP  
混响模式:Reverb  
电音基调:12种基调Autotune  
均衡处理:EQ  
电池类型:锂离子电池  
电池容量:1000mAh  
充电方式:USB 5V $\Rightarrow$ 700mA  
充电时间:约2.5小时  
使用时间:约7小时  
音频接口:耳麦接口 $\Phi 3.5\text{mm}$   
          话筒接口 $\Phi 3.5\text{mm}$   
          伴奏接口 $\Phi 3.5\text{mm}$   
          手机接口 $\Phi 3.5\text{mm}$   
电源接口:Type-C接口  
产品尺寸:111\*65\*12mm  
          (长\*宽\*高);  
净重:约115g

### 麦克风参数

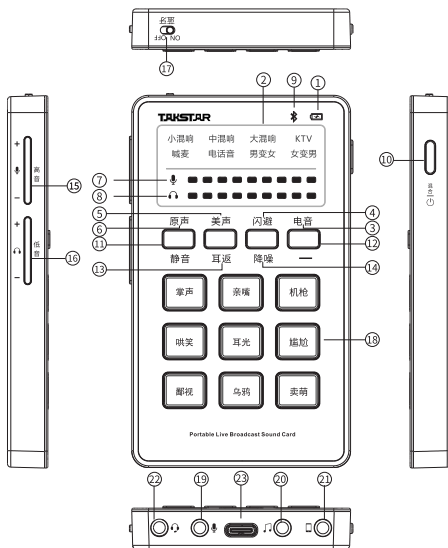
音头:电容音头  
指向性:全指向  
频率响应:30Hz-20KHz  
灵敏度:-36dB $\pm 3\text{dBV}$   
          (0dB=1V/Pa at 1KHz)  
信噪比: $\geq 57\text{dB}$  (A-Weighted)  
峰值声压级:110dB  
          ( $\text{THD} \leq 1\%$  at 1KHz)  
输出阻抗:2.2K $\Omega \pm 30\%$ (at 1KHz)  
工作电压:DC $\Rightarrow$  3.3/5V  
单体尺寸: $\Phi 47 \times 188\text{mm}$   
净重:约290g

### 耳机参数

产品类型:动圈式立体声耳机  
单元直径: $\Phi 9.2\text{mm}$   
单元阻抗:18 $\Omega \pm 15\%$   
频率响应:20Hz $\sim$ 20KHz  
灵敏度:95 $\pm 3\text{dB SPL}$   
          (94 dB SPL=1Pa) at 1KHz  
          with input=0.126V(1mW)  
峰值功率:5mW  
额定功率:3mW  
导线: $\Phi 2.3\text{mm} \times 2\text{m}$   
接驳插头: $\Phi 3.5\text{mm}$ 三极镀金插头  
净重:约13g

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 电量指示灯: 关机且未充电时, 指示灯熄灭; 电量充足时, 指示灯常亮绿灯; 电量不足时, 指示灯常亮红灯; 充电过程中, 指示灯闪烁红灯, 充满时, 指示灯常亮绿灯;
- ② 效果指示灯: 8个美声效果指示灯, 选择其中一个效果时, 对应指示灯常亮蓝灯;
- ③ 电音指示灯: 开启电音时, 指示灯常亮蓝灯; 关闭电音时, 指示灯熄灭;
- ④ 闪避指示灯: 开启闪避时, 指示灯常亮蓝灯; 关闭闪避时, 指示灯熄灭;
- ⑤ 美声指示灯: 开启美声时, 指示灯常亮蓝灯; 关闭美声时, 指示灯熄灭;

- ⑥ 原声指示灯:开启原声时,指示灯常亮蓝灯;关闭原声时,指示灯熄灭;
- ⑦ 麦克风音量/麦克风高音指示灯:共9级,1-5级为绿灯,6-7级为橙灯,8-9级为红灯;直播时,指示灯跟随麦克风音量大小动态变化;调节麦克风音量“+”“-”时,指示灯跟随音量的等级依次点亮或熄灭;调节麦克风高音“+”“-”时,指示灯跟随高音的等级依次点亮或熄灭;
- ⑧ 耳机音量/麦克风低音指示灯:共9级,1-5级为绿灯,6-7级为橙灯,8-9级为红灯;直播时,指示灯跟随麦克风音量大小动态变化;调节耳机音量“+”“-”时,指示灯跟随音量的等级依次点亮或熄灭;调节麦克风低音“+”“-”时,指示灯跟随低音的等级依次点亮或熄灭;
- ⑨ 蓝牙指示灯:显示蓝牙工作状态。打开蓝牙时,指示灯闪烁进入等待配对状态;蓝牙配对成功,指示灯常亮;关闭蓝牙时,指示灯熄灭;
- ⑩ 电源/混合按键:
  - a. 长按电源/混合按键2秒开启或关闭声卡,指示灯来回扫灯一次;
  - b. 开机状态下循环点按电源/混合按键,开启或关闭内放功能。开启内放时,语音提示“内放开”,在电脑上播放的音乐可以发送给电脑直播平台(即网友可以听到您电脑播放的音乐);关闭内放时,语音提示“内放关”,电脑播放的音乐不发送给电脑直播平台(即网友不能听到您电脑播放的音乐);提示:在电脑直播平台的自由聊天模式下使用时,请关闭内放功能,否则直播间的人说话会听到双重音。其它模式下,请开启内放功能,否则电脑播放的伴奏不会发送到电脑端的直播间。
- ⑪ 原声/静音按键:
  - a. 效果具有记忆保存功能,在美声效果或电音效果状态下,点按原声按键,会切换到原声效果,再次点按原声按键,跳转回原来的美声效果或电音效果;
  - b. 循环长按原声/静音按键2秒开启或取消静音功能,并有相应的语音提示。开启时语音提示“静音”,取消时语音提示“取消静音”;

- ⑫ 电音按键:在美声效果或原声效果状态下,点按电音按键,会切换到电音效果。在电音效果状态下,循环点按电音按键,会循环切换12种电音基调,并有相应的语音提示,分别是:C大调,降D大调,D大调,降E大调,E大调,F大调,降G大调,G大调,降A大调,A大调,降B大调,B大调;
- ⑬ 美声/耳返按键:
- a.循环点按美声/耳返按键切换8种美声效果;
  - b.循环长按美声/耳返按键2秒,开启或关闭耳返功能。耳返功能出厂默认是开启状态,关闭耳返功能主要适用于网络聊天以及一些特殊的场合。开启时语音提示“耳返开启”,耳机可以监听到麦克风的聲音,关闭时语音提示“耳返关闭”,耳机不能监听到麦克风声音;
- ⑭ 闪避/降噪按键:
- a.循环点按闪避/降噪按键,开启或关闭闪避功能。闪避开启时,说话背景音乐会自动压低;
  - b.循环长按闪避/降噪按键2秒,可以打开或关闭降噪功能。开启时语音提示“打开降噪”,可以自动屏蔽麦克风对环境声音的拾取,唱歌更安静,关闭时语音提示“关闭降噪”,恢复正常拾音;
- ⑮ 麦克风音量/麦克风高音按键:
- a.具有9级麦克风音量可调,点按麦克风音量“+”时,麦克风音量逐级增大,同时音量指示灯逐格增加;点按麦克风音量“-”时,麦克风音量逐级减小,同时音量指示灯逐格减少;
  - b.具有9级麦克风高音可调,每长按麦克风音量“+”一次,麦克风高音逐级增加,同时麦克风音量指示灯逐格增加;每长按麦克风音量“-”一次,麦克风高音逐级减少,同时麦克风音量指示灯逐格减少;



⑩ 耳机音量/麦克风低音按键：

a.具有9级耳机音量可调，点按耳机音量“+”时，耳机音量逐级增大，同时耳机音量指示灯逐格增加；点按耳机音量“-”时，耳机音量逐级减小，同时耳机音量指示灯逐格减少；

b.具有9级麦克风低音可调，每长按耳机音量“+”一次，麦克风低音逐级增加，同时耳机音量指示灯逐格增加；每长按麦克风音量“-”一次，麦克风低音逐级减少，同时耳机音量指示灯逐格减少；

⑪ 蓝牙开关：拨到“ON”位置时打开蓝牙，拨到“OFF”时关闭蓝牙，蓝牙配对方法详见本说明书的“蓝牙配对”部分；

⑫ 主播特效按键：9个主播特效按键，分别是：掌声、亲嘴、机枪、哄笑、耳光、尴尬、鄙视、乌鸦、卖萌。每个主播特效按钮下有指示灯，当点按主播特效时，开始播放特效，对应的指示灯不停闪烁，特效播放结束后恢复常亮状态。播放某一特效过程中，如果再点按该特效按键，将立即停止播放该特效；

⑬ 麦克风接口：可连接 $\Phi 3.5\text{mm}$ 接口的话筒，并且提供3.3V的供电电压，兼容动圈麦克风和免电源电容麦克风；

⑭ 伴奏接口：通过音频线与外部音源设备连接，方便直播时播放伴奏；

⑮ 手机接口：通过音频线与直播或K歌的手机、平板连接；

⑯ 耳麦接口：耳麦接口可以兼容三级与四级3.5插头的耳机；

⑰ Type-C接口：通过USB数据线可以为声卡充电。此外MX1 mini还内置数字芯片，支持OTG功能，可以通过USB数据线与电脑或手机连接实现无损数字传输，系统自动识别声卡，即插即用，具体方法详见本说明书的使用说明部分。

## ■ 使用说明

### 一、软件下载

1. 在手机或电脑APP市场下载各种直播APP或录音软件；
2. 也可以通过网页浏览下载，搜索APP软件名称，注意根据手机及电脑系统下载相应版本。

### 二、手机直播/K歌

1. 将耳机或者耳麦(带麦的耳机)连接到声卡的 $\Phi 3.5\text{mm}$ 耳麦接口；
2. 声卡与直播手机连接的方法有两种，一种是通过 $\Phi 3.5\text{mm}$ 接口的模拟信号连接方法，另一种是通过Type-C接口的数字信号连接方法。数字连接的录音品质及音乐音质更加清晰，保真度更高。

①通过音频线将手机的 $\Phi 3.5\text{mm}$ 耳机接口与声卡的手机接口连接，如果手机没有耳机接口的，需配合OTG转接头使用(OTG转接头需自行另购)；

②通过Type-C数据线将声卡Type-C接口与手机的数据接口连接，苹果手机需要采用苹果相机套件，安卓手机需要采用USB转Type-C转接头；(此两样转接头需要自行另购)

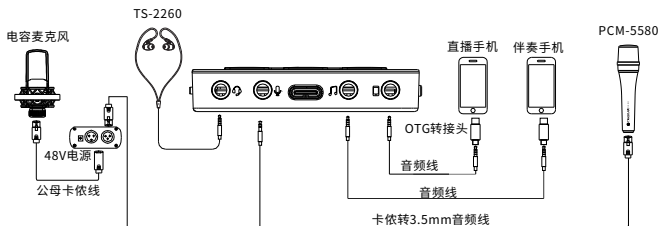
3. 将麦克风连接到声卡的麦克风接口，如果是需要48V供电的电容麦克风，则麦克风需先连接幻象电源，再通过幻象电源接到声卡的麦克风接口；

提示：如果声卡需要边充电边用，建议连接充电宝给声卡充电。如连接电源适配器上充电使用，使用中有可能产生电流声。

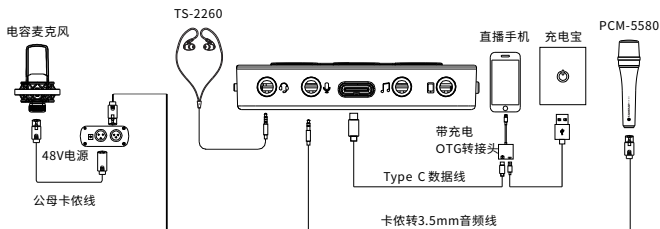
4. 开启声卡，打开手机K歌或直播APP就可以开始手机K歌、直播之旅了。

提示：强烈建议购买苹果手机原装相机套件或原装Type-C转接头，否则可能会出现各种兼容性问题。

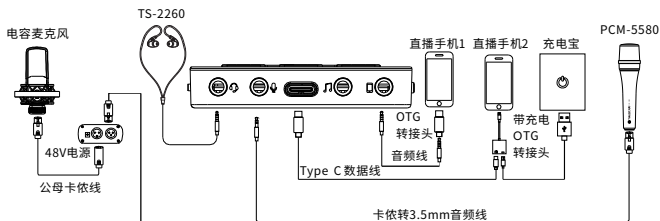
## Φ3.5mm连接示意图



## OTG连接示意图



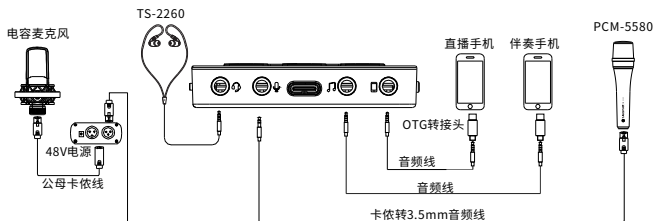
## 双手机直播示意图



## 三、连接伴奏手机

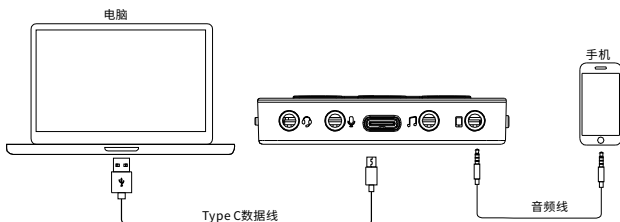
针对部分手机直播APP无伴奏功能或者在直播手机上播放伴奏不方便的问题,声卡增加了伴奏接口,可用于连接另一部手机播放伴奏:

1. 按手机K歌的方法将相关的设备连接好;
2. 通过音频线将伴奏手机与声卡的伴奏接口连接;
3. 开启声卡,打开直播APP,用伴奏手机播放伴奏,即可开启您的直播之旅。



## 四、电脑手机同步直播

1. 按手机K歌的方法将相关的设备连接好;
2. 通过Type-C数据线将声卡Type-C接口与电脑的USB接口连接,电脑将自动识别声卡并完成驱动安装;

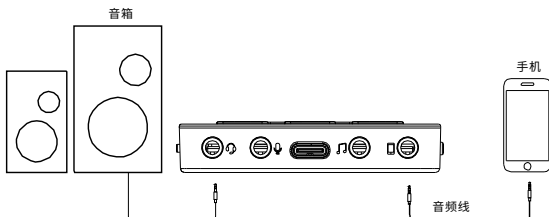


3. 将系统喇叭“播放”及“录制”设备“TAKSTAR MX1 mini Audio”设置为默认设备;
4. 开启声卡,同时打开电脑及手机直播软件,即可实现电脑、手机同步直播。



## 五、音响K歌

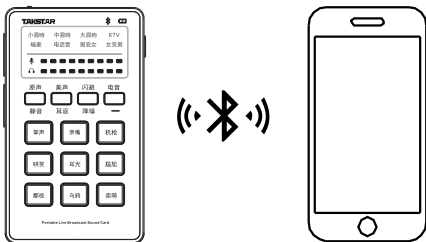
连接音响K歌与手机K歌的方法雷同,只需要把耳机换成连接有源音箱即可。  
提示:为了避免连接有源音箱K歌时容易产生啸叫的问题,连接音响K歌建议使用动圈麦克风,不要使用电容麦克风。将动圈麦克风的拾音部分背对有源音箱,同时保持适当距离,减小麦克风音量或有源音箱输出音量。



## 六、蓝牙配对

首次使用蓝牙时，需要进行蓝牙配对连接，方法如下：

1. 将蓝牙拨钮调至“ON”位置时，蓝牙指示灯闪烁，伴有语音提示：“蓝牙已开启，等待配对”
2. 进入手机的“设置”菜单，找到蓝牙功能选项，开启手机的蓝牙功能，待搜索到“TAKSTAR MX1 mini”，点击“TAKSTARMX1 mini”进行连接，当声卡语音提示“蓝牙已连接”，同时蓝牙指示灯恢复常亮，表示蓝牙连接成功；
3. 下次开机时，如果是已有连接过蓝牙，并且蓝牙拨钮是拨到了“ON“的位置，会自动回连最后一次使用的蓝牙设备，并语音提示“蓝牙已连接”；
4. 将蓝牙拨钮调至“OFF”位置时，蓝牙指示灯熄灭，伴有语音提示：“蓝牙已关闭”如果在手机端断开蓝牙，则伴有语音提示：“蓝牙已断开”指示灯由常亮进入闪烁状态。



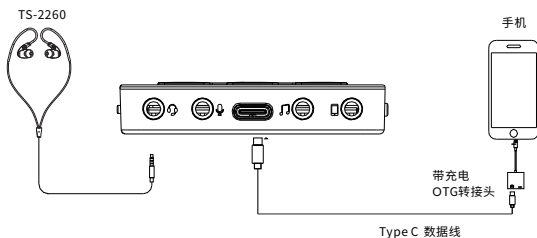
## 七、OTG兼容模式

MX1 mini声卡可直接通过USB与iPad、iPhone连接实现高清无损录音、直播、音乐鉴赏等操作。

如果iOS系统版本过低,可能会出现不兼容的情况,具体要看iOS系统版本而定。我们强烈建议购买苹果原装相机套件。如果iPad、iPhone后面板装有保护壳,相机套件的插头可能发生插不紧或接触不良的情况,如果出现这种问题,请取下保护壳。

如果出现声卡与所接iPad、iPhone设备出现不兼容时,此时iPad、iPhone会检测到一个不兼容的USB设备,并显示提示信息“不可使用的设备——连接的USB设备不被支持”。在较新版本的iOS中,连接后会显示设备名称。或者由于iOS版本不同,可能存在部分APP无法使用或录音出现只录到单边声道的问题。

提示:MX1 mini声卡还可以通过USB兼容部分安卓手机,由于市面上安卓手机品牌及系统版本过多,具体有什么机型可以兼容,要视实际应用情况而定,您可以自行测试,我们不便做出推荐。

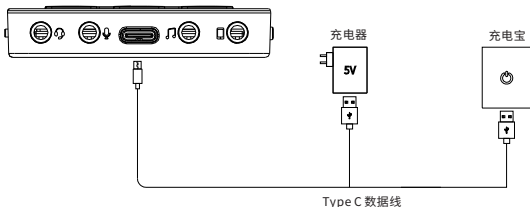


## 八、充电说明

1. 可连接移动电源、电脑USB或电源适配器进行充电；
2. 长按声卡电源开关, 电量指示灯不亮, 说明声卡没电; 电量指示灯长亮红灯时, 说明声卡电量不足, 需及时充电;
3. 充电时, 电量指示灯红灯闪烁, 表示正在充电中; 充满电后, 电量指示灯常亮绿色; 使用5V直流电源充电, 在充电电流700mA的情况下, 约2小时即可充满电; 当电池电量充满时, 请停止对电池充电, 避免电池过充。

提示: 初次使用时, 建议先充满电, 可边充电边用, 也可以关机状态下充电; 如长时间不用, 要每半年给声卡充一次电, 避免电池过放, 对电池性能产生影响。

注意: 选用电源适配器的规格: DC=5V 1A; 5V=1.5A; 5V=2A;





## ■ 故障处理

### 一、声卡开启后电量指示灯不亮

请检查声卡是否有足够的电量,请充电后再试。

### 二、播放音乐无声音

1. 检查声卡与手机或电脑连接的线材是否连接到位,请重新插拔后再试;
2. 检查耳机或耳麦是否连接到位,请重新插拔后再试;
3. 检查手机是否已正常放音,可以先退出再重新打开播放软件,看是否恢复正常;

### 三、话筒或耳麦没声音

1. 检查话筒或耳麦是否连接到位,请重新插拔后再试;
2. 检查声卡话筒音量或耳机音量是否调得过小,调节话筒音量及耳机音量看是否恢复正常;
3. 检查声卡的耳返功能是否关闭了,请将耳返设置为开启状态。

### 四、录制的声音无效果

1. 检查声卡与手机或电脑连接的线材是否连接到位,请重新插拔后再试;
2. 检查用于录音的手机是否误接到了声卡的伴奏接口,伴奏接口是无法录制效果的。请重新将线材接到声卡的手机接口,然后把接手机一端的插头重新插拔一下再试。

### 五、无法录制话筒声音或录制声音过小

1. 检查声卡与手机或电脑连接的线材是否连接到位,请重新插拔后再试;
2. 检查录音软件的麦克风音量是否调得过小,调节之后看是否能恢复正常。

### 六、耳机监听有啸叫声

1. 话筒或耳麦是否连接到位,请重新插拔后再试;
2. 使用有耳返功能的手机时,请将APP耳返功能关闭。

## 七、电脑上直播听到双重音

在电脑直播平台的自由聊天模式下，混音功能会将对方传输过来的声音再传播到直播间里，从而导致直播间的人听到双重音。所以在自由聊天模式下，请关闭混音功能，其它麦序模式下开混音则无影响。

## 八、手机直播时听到双重音

有部分手机直播APP没有耳返关闭功能，这会造成直播时麦克风返听有双重音。当直播APP没有耳返关闭功能时，请将手机的音量调到最小。

## ■ 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. 使用产品时适当调整音量大小，不要在大音量下长时间使用，以免造成听力损伤；
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，然后将产品送经销商检修；
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. 本产品不得遭受水滴或水溅，产品上不得放置诸如花瓶类的装有液体的物品；
5. 清洁设备时，使用柔软的干布，请勿使用涂料稀释剂、溶剂、清洁液或浸了化学物质的抹布；
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；
7. 请不要自行拆机改装或维修，以防止出现人身伤害，如有问题服务需求请联系当地经销商跟进处理，未经同意对本设备进行自行拆机改装或维修，可能会失去由得胜公司提供的保修服务；
8. 请使用制造商指定的附件。

## ■ 关于图标含义解释



此符号表示，本产品通过了Bluetooth SIG公司的BQB认证，即“蓝牙认证，产品符合BQB认证要求。

 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经销商确认。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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## ■ Preface

Thank you for purchasing TAKSTAR MX1 mini SET live broadcast sound card system. Please read the user manual carefully before operation and keep it for reference in future.

If you have any question or suggestion, please contact our local dealer.

## ■ Brief introduction

MX1 Mini Set System is tailored for webcast Karaoke. It consists of sound card, condenser microphone, earphone, stand and accessories. The sound card features built-in Li-ion battery, 9 sound effects and 9 host voice effects, compatible with smart terminals, e.g. cell phone/iPad, compact design, easy operation. The microphone features omni-directional cartridge, high sensitivity, clear and natural sound. The earphone is tailored for monitoring. Ø9.2mm high resolution driver unit reproduces rich sound details. Alloy case is designed for convenient carrying.

## ■ Features

MX1 mini sound card

- Tailored for webcast/Karaoke, suitable for cell phone/iPad/PC
- Built-in DSP, 9 sound effects switching, easy operation
- Mic HF/LF adjustment for various vocal or mic sound
- Press one button to switch singing mode to chatting mode
- Press one button for autotune, 12 autotunes for accurate and easy singing
- Press one button for ducking function
- Bluetooth function playing music without the trouble of cable connection
- Nine host sound effects to promote funny atmosphere
- Smart noise reducing to shield picking up ambient noise for pure singing
- Li-ion battery, about 7h operation time, charging during operation

## PCM-5580 condenser microphone

- Omni-directional cartridge, high sensitivity, clear and natural sound
- Low output impedance more effectively matching with sound card for high quality recording
- Windscreen foam eliminates pop noise
- 1.5V—5V DC power supply, plug and play

## TS-2260 earphone

- Ø9.2mm high resolution driver unit reproduces rich sound details
- Even and accurate sound, tailored for monitoring
- Ergonomic design, reliable and comfortable wearing

## ■ Product content

MX1 mini sound card·····	1 pc
PCM-5580 condenser microphone·····	1 pc
TS-2260 earphone ·····	1 pc
Ear pad (S/M/L)·····	3 pairs
Stand ·····	1 pc
Mic clip·····	1 pc
Audio cable (Φ3mm*1.2m)·····	2 pcs
Type-C data cable(Φ4mm*1.5mm)·····	1 pc
Mic cable·····	1 pc
Al alloy case·····	1 pc
User manual·····	1 pc

## ■ Application

Cell phone/iPad/PC: Karaoke, webcast, recording

Suitable for entertainment webcast APP and influencer marketing

## ■ System compatibility

Compatible with iOS/Android/windows

## ■ Specification

### Sound Card Specification

Data Transmission:USB2.0

Sample Rate:48KHz/16bit

Frequency Response:20Hz-20KHz

THD:THD<0.5% 1KHz

Headset Output Power:125mW/32Ω

Headset S/N Ratio:90dB (A-Weighted)

Bluetooth Version:V4.2

Main Chip:DSP

Reverb Mode:Reverb

Autotune:12 kinds of Autotunes

EQ:EQ

Battery Type:Li-ion battery

Battery Capacity: 1000mAh

Charging:USB 5V=700mA

Charging Time:approximate 2.5h

Charging Time:approximate 7h

Audio Connector: headset mic connector Φ3.5mm,  
mic connector Φ3.5mm  
accompaniment connector Φ3.5mm  
cell phone connector Φ3.5mm

Power Supply Connector:Type-C connector

Dimension:111\*65\*12mm(L\*W\*H);

Net Weight:approximate 115g

## Microphone Specification

Cartridge: condenser

Polar Pattern: omni-directional

Frequency Response: 30Hz-20kHz

Sensitivity:  $-36\text{dB} \pm 3\text{dBV}$  ( $0\text{dB}=1\text{V/Pa}$  at 1KHz)

S/N Ratio:  $\geq 57\text{dB}$  (A-Weighted)

Peak SPL: 110dB (THD  $\leq 1\%$  at 1KHz)

Output Impedance:  $2.2\text{K}\Omega \pm 30\%$  (at 1KHz)

Operation Voltage: DC  $\approx 3.3/5\text{V}$

Dimension:  $\Phi 47 \times 188\text{mm}$

Net Weight: approximate 290g

## Headset Specification

Type: dynamic stereo headset

Unit Dia:  $\Phi 9.2\text{mm}$

Unit Impedance:  $18\Omega \pm 15\%$

Frequency Response: 20Hz~20KHz

Sensitivity:  $95 \pm 3\text{dB SPL}$  ( $94\text{dB SPL}=1\text{Pa}$ )  
at 1KHz with input=0.126V(1 mW)

Peak Power: 5mW

Rated Power: 3mW

Cable:  $\Phi 2.3\text{mm} \times 2\text{m}$

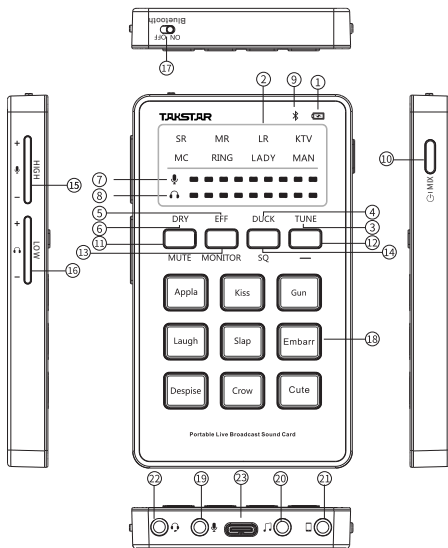
Connector:  $\Phi 3.5\text{mm}$  three conductor gold plated connector

Net Weight: approximate 13g

Note: the above data is obtained from the test of Takstar laboratory, and Takstar has the final interpretation right!



## Function instruction



- ① Power LED: when the power is off and not charged, the LED lights off. When the power is charged, the LED lights up green. When the power is not sufficient, the LED lights up red. During the charging process, the LED flashes red. When it is fully charged, the LED lights up green.
- ② Sound effect LED: 8 sound effect LEDs. Select one effect, and the relative LED lights up blue.
- ③ Autotune LED: when the autotune is turned on, the LED lights up blue. When off, the LED lights off.
- ④ Ducking LED: when ducking is turned on, the LED lights up blue. When off, the LED lights off.

- ⑤ Sound effect LED: when the sound effect is turned on, the LED lights up blue. When off, the LED lights off.
- ⑥ Original sound LED: when the original sound is turned on, the LED lights up blue. When off, the LED lights off.
- ⑦ Microphone volume/mic HF LED: totally 9 levels, 1-5 level green, 6-7 level orange, 8-9 level red. During webcast, the LED meter changes according to the mic volume level change. Adjust mic volume “+” “/ -”, and LED lights up or off one by one according to the volume level. Adjust mic HF “+” “/ -”, and LED lights up or off one by one according to HF volume level.
- ⑧ Headset volume/mic LF LED: totally 9 levels, 1-5 level green, 6-7 level orange, 8-9 level red. During webcast, the LED meter changes according to the mic volume level change. Adjust headset volume “+” “/ -”, and LED lights up or off one by one according to the volume level. Adjust mic LF “+” “/ -”, and LED lights up or off one by one according to LF volume level.
- ⑨ Bluetooth LED: Display Bluetooth status. When the Bluetooth light is turned on, the LED flashes to wait for matching. When the Bluetooth is successfully matched, the LED keeps lighting up. When the Bluetooth is turned off, the LED lights off.
- ⑩ Power/mix button:
  - a. Keep pressing power/mix button for 2 seconds to turn on/off the sound card, LED light up back and forth.
  - b. When the sound card is turned on, press the power / mix button to turn on/off mix function. When the mix function is turned on, the voice prompt “mix on”. The PC music can be sent to the webcasting platform (that is, the netizens can hear the music played on your computer). When the mix function is turned off, the voice prompt “mix off”, the music played on the computer will not be sent to the computer webcasting platform (that is, the netizens can not hear the music played on your computer).

Note: when using in the free chat mode of the computer live broadcasting platform, please turn off the mix function, otherwise netizens in the webcasting room will hear double sound. In other modes, please turn on the mix function, otherwise the accompaniment played by the computer will not be sent to the webcast room.

⑪ Dry/mute button:

a. The effect has the function of memory and saving. In the state of sound effect and autotune effect status, click the dry sound button to switch to the dry sound effect, and then press dry button again to switch back to sound effect.

b. Press dry/mute button for 2 seconds to turn on/off mute function, and there is relative sound prompt. In on status, the sound prompts “mute”. In off status, the sound prompts “unmute”

⑫ Tune button:

In sound effect or dry sound effect, press tune button to switch to autotune effect. In autotune status, press tune button to switch to 12 autotunes, and there are relative sound prompts. They are respectively: They are respectively: C major, D flat major, D major, E flat major, E major, F major, G flat major, G major, A flat major, A major, B flat major, B major.

⑬ Effect/monitor button:

a. Press this button to switch 8 sound effects.

b. Press this button for 2 seconds to turn on/off the monitoring function. The factory setting is that the monitoring function is turned on. Turning off the monitoring function is suitable for online chatting and some special applications. When it is on, the sound prompts “monitor on”. The headset can monitor the microphone sound, When it is off, the sound prompts “monitor off”. The headset can not monitor the microphone sound.

- ⑭ Duck/SQ button
  - a. Press this button to turn on/off the duck function. When on, the background music volume decreases.
  - b. Press this button for 2 seconds to turn on/off squelch function, and there is sound prompt “Squelch on”. It shields the picking up of ambient noise to make the singing purer. When squelch is off, there is sound prompts “Squelch off”, the microphone goes back to the normal picking up status.
- ⑮ Microphone vol/mic HF button:
  - a. Totally 9 microphone volume levels. Press + to increase the microphone volume, and meanwhile the volume meter goes up, and vice versa.
  - b. Totally 9 microphone HF levels. Press + to increase the microphone HF volume, and meanwhile the volume meter goes up, and vice versa.
- ⑯ Headset vol/mic LF button:
  - a. Totally 9 headset volume levels. Press + to increase the headset volume, and meanwhile the volume meter goes up, and vice versa.
  - b. Totally 9 mic LF levels. Press + to increase the mic LF volume, and meanwhile the volume meter goes up, and vice versa.
- ⑰ Bluetooth switch: set it to ON to turn on the Bluetooth and OFF to turn off it. Please refer to the Bluetooth matching section for the matching method.
- ⑱ Host sound effect: totally 9 host sound effects, they are: applause, kiss, machine gun, laugh, slap, embarrassment, despise, crow, cute. Each effect button has LED. When this effect is on, the LED flashes continuously. When this effect is off, the LED keeps lighting up. When the effect is on, press this button again to stop this effect.

- ⑲ Microphone connector: linking with microphone of  $\Phi 3.5\text{mm}$  connector and providing 3.3V voltage, compatible with dynamic microphone and condenser microphone without power supply.
- ⑳ Accompaniment connector: linking with external audio source via audio cable to play accompaniment.
- ㉑ Cell phone connector: linking with cell phone or iPad of webcast or Karaoke via audio cable.
- ㉒ Headset connector: it is compatible with headset of 3 or 4 conductor plug.
- ㉓ Type-C connector: it charges the sound card via USB data cable.  
Furthermore, MX1 mini has built-in digital chip, supporting OTG function. It can realize no loss digital transmission by connecting USB data cable with computer or cell phone, and the system identifies sound card automatically, plug and play. Please refer to the operation section for the details.

## ■ Operation instruction

### A. Download software

1. Download webcast or recording APP from cell phone/PC APP market.
2. Or download APP from webpage. Please pay attention to the right version for cell phone or PC.

### B. Cell phone webcast / Karaoke

1. Connect headset with  $\Phi 3.5\text{mm}$  headset connector of the sound card.
2. Two ways to connect sound card with cell phone: one is to analogue signal connection way via  $\Phi 3.5\text{mm}$  connector, the other is digital signal connection way via Type-C connector. The digital way has better recording quality and clearer sound, higher fidelity.

① Connect the cell phone  $\Phi 3.5\text{mm}$  headset connector with the cell phone connector of the sound card via audio cable. If the cell phone has no headset connector, use OTG cable for the connection (buy OTG adapter additionally).

② Connect sound card Type-C connector with cell phone data connector via data cable. iPhone needs the relative accessories. Android cell phone needs USB to Type-C adapter (buy the adapter additionally).

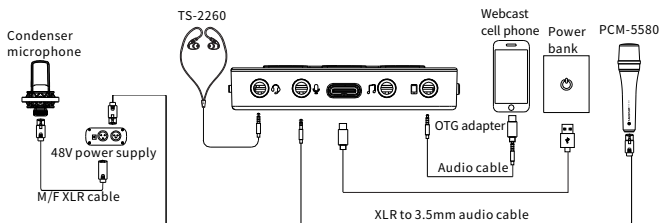
3. Connect the microphone with the mic connector of sound card. If you need 48V condenser mic, connect the mic with phantom power, and then with the mic connector of sound card.

Note: if you need to charge the sound card during operation, it is recommended to use power bank to charge it. If you use adapter to charge, it leads to noise.

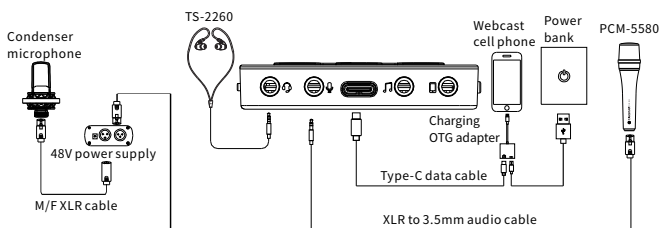
4. Turn on the sound card, and turn on cell phone Karaoke or webcast APP for Karaoke or webcast.

Note: it is recommended to use iPhone accessories or supplied Type-C adapter, otherwise you will have the compatibility problem.

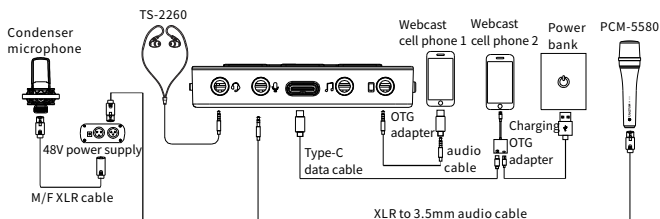
## Φ3.5mm connection diagram



## OTG connection diagram



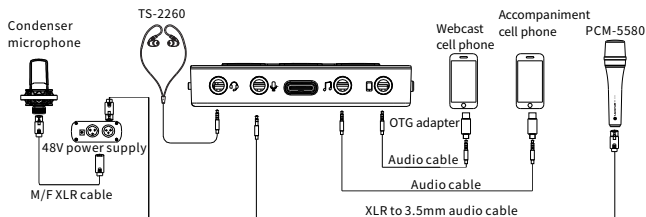
## Dual cell phone webcast diagram



## C. Connecting with accompaniment cell phone

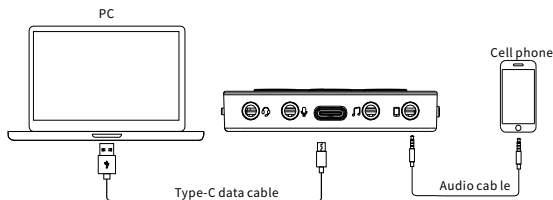
The sound card has accompaniment connector to link with another cell phone to play accompaniment to solve the problem that some cell phones have no accompaniment connector or are inconvenient to play a ccompaniment.

1. Connect relative equipment according to the way of cell phone Karaoke.
2. Connect accompaniment cell phone with the accompaniment connector of sound card via audio cable.
3. Turn on the sound card, and turn on the webcast APP. Use the accompaniment cell phone to play accompaniment for you webcast.



## D. PC and cell phone webcast simultaneously

1. Connect relative equipment according to the way of cell phone Karaoke.
2. Use Type-C data cable to connect the sound card with PC. The PC will identify the sound card and install the driver.



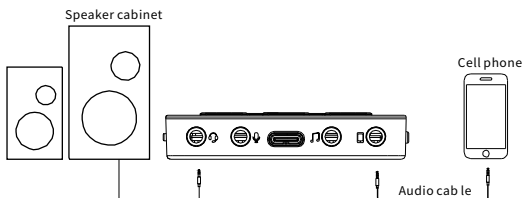


- Set “TAKSTAR MX1 mini Audio” as the default equipment.
- Turn on the PC and cell phone live broadcast software for PC and cell phone webcast simultaneously.



## E. Speaker cabinet Karaoke

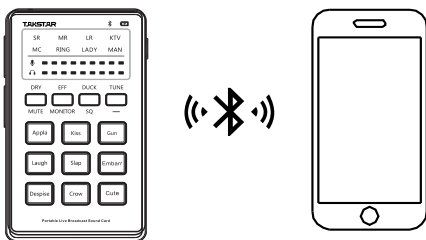
The connection of speaker cabinet Karaoke is the same as that of the cell phone webcast. Just change the headphone to the active speaker cabinet. Note: to avoid feedback, it is recommended to use dynamic microphone or headphone microphone but not condenser microphone. Furthermore, keep the microphone cartridge against the active speaker cabinet and keep to a proper distance, and decrease the microphone volume and speaker volume.



## F. Bluetooth matching

If it is the first time to used Bluetooth, you need to match the Bluetooth according to the steps as below:

1. Set the Bluetooth switch to ON, and the relative LED flashes, and there is sound prompt “Bluetooth on, waiting for matching”.
2. Enter into the “Settings” menu of the cell phone, and find the Bluetooth function option, and turn on the blue function of the cell phone. When it searches “TAKSTAR MX1 mini”, click “TAKSTAR MX1 mini” to connect. When the sound card voice prompts “Bluetooth connected”, at the same time, the Bluetooth LED lights up again. This means that the Bluetooth connection is successful.
3. The next time you turn on sound card, if you have already matched the Bluetooth, and the Bluetooth is set to the “on” position, it will automatically connect back to the last used Bluetooth device, and there is sound prompt “Bluetooth connected”;
4. Set the Bluetooth switch to OFF, and its LED lights off, and there is sound prompt “Bluetooth off”. If the cell phone disconnects with Bluetooth, there is sound prompt “Bluetooth disconnected”. The LED turns to flashing status.

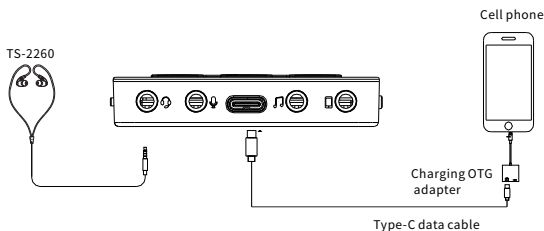


## G. OTG compatible mode

MX1 mini sound card can be directly connected with iPad and iPhone via USB to realize HD lossless recording, live broadcast, music appreciation and other operations.

If the iOS system version is too low, incompatibility may occur, depending on the iOS system version. We strongly recommend to buy the original iPad/iPhone camera kit. If the rear panel of the iPad and iPhone is equipped with a protective enclosure, the plug of the camera kit may be loose or in poor contact. If this problem occurs, please remove the protective enclosure. If the sound card is not compatible with the connected iPad or iPhone device, the iPad or iPhone will detect an incompatible USB device and display "unusable device ---- the connected USB device is not supported". In a later version of iOS, the device name is displayed after the connection. Or due to different iOS versions, some APPs may not be able to use or it may only record to one channel sound.

Note: MX1 mini sound card can also be compatible with some Android cell phones through USB. There are too many Android cell phone brands and system versions in the market. That the models can be compatible depends on the actual application. You can test by yourself. It is inconvenient for us to recommend.

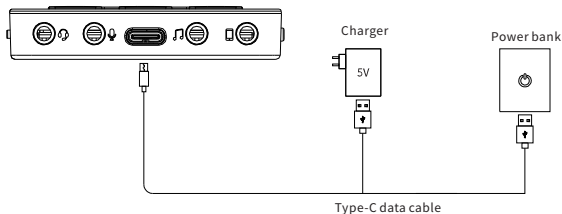


## H. Charging instruction

1. The sound card can be connected with power bank or PC USB or power adapter for charging.
2. Turn on the power switch of the sound card. If the power LED is not on, it means the sound card has no power supply. If the power LED does not light up red, it means the sound card has no sufficient power and needs to be charged in time.
3. During charging, that the power LED flashes red, this means the sound card is being charged. After being fully charged, the power LED keeps lighting up green. Use 5V DC to charge, below 700mA current. It takes about 2h to charge fully. After charging fully, please stop charging to avoid over-charging.

Note: for the first time operation, it is recommended to fully charge the battery first. It can be charged during operation or in the off state. If it will not be used for a long time, charge the sound card once every half a year to avoid over discharge of the battery, which will affect the battery performance.

Note: select the adapter specification: DC = 5V 1A; 5V = 1.5A; 5V = 2A.



## ■ Trouble shooting

### **A.LED does not light up after the sound card is turned on.**

1. Check if the sound card has sufficient power. Try to recharge it and then use it.

### **B.No sound when playing music**

1. Check if the sound card has been connected well. Reconnect and then try it.
2. Check if the headphone has connected well. Reconnect and then try it.
3. Check if the cell phone has played sound normally, or exit the software, turn on it to play again and check the result.

### **C. Microphone or headset mic has no sound**

1. Check if the sound card has been connected well. Reconnect and then try it.
2. Check if the volume of sound card microphone or earphone mic is set too low, and adjust the volume of microphone to see if it returns to normal status.
3. Check if the monitoring function of the sound card is turned off. Turn on it please.

### **D. The recording sound has no effect**

1. Check if the sound card has been connected with cell phone or PC well. Reconnect and then try it.
2. Check if the recording cell phone is wrongly connected with the accompaniment connector of the sound card. Reconnect the cable with the cell phone connector of the sound card and then check the result.

### **E.The microphone sound can not be recorded or the recorded sound volume is too low.**

1. Check if the sound card has been connected with cell phone or PC well. Reconnect and then try it.
2. Check if the mic volume of the recording software is set to too low level. Adjust it and then check the result.

## **F. The headset has feedback**

1. Check if the mic or headset mic has been connected well.  
Reconnect and then try it.
2. If the cell phone has monitoring function, please turn off the monitoring function of APP.

## **G. PC webcast has two sound**

1. In free chatting mode, the mixing function will send your counterpart voice to you and then to the platform. This leads to two voices in the platform. Please disable the mixing function in free chatting mode.

## **H. Cell phone webcast has two sound**

1. Some cell phones APPs have no turning off function for monitoring, This leads to two mic monitoring voices during webcast. If so, set the cell phone volume to minimum level.

## **■ Safety instructio**

To avoid electric shock, over temperature, catching fire, explosion, mechanical risk and hurt or property loss caused by improper use, please read the following items carefully before operation:


1. Adjust the volume to proper level during operation. Do not operate at high volume level to avoid hearing loss.
2. If abnormal phenomenon (smoke, abnormal smell) happens, please turn off the power switch and disconnect the power plug with power socket, and send the product to local dealer for maintenance.
3. The product and accessories should be put in dry and ventilated place rather than humid or dusty environment. Prevent the product from fire, liquid, rain, water, over-colliding, throwing, vibrating, vent hole covered to avoid function destroyed.

4. The product shall not be subject to water drops or splashes, and items containing liquid such as vases shall not be placed on the product.
5. When cleaning the equipment, use soft dry cloth, do not use paint thinner, solvent, cleaning solution or cloth soaked with chemicals.
6. Please abide by safety rules during operation. Do not use the product in the place prohibited by regulation or law to avoid accident.
7. Do not disassemble or repair the product by yourself to avoid hurt. If you have question or need service, please contact the local dealer.
8. Only use the accessories designated by the supplier.

## ■ The meaning of Icon

### Bluetooth®

This symbol indicates that the product has passed the BQB certification of Bluetooth SIG company, namely Bluetooth certification. The product meets the requirements of BQB certification.

 According to the test results of RL2004 / 108 / EG and European Low Voltage Directive RL2006/95/EG, this product conforms to the limit values stipulated 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 the WEEE Directive (2012 / 19 / EU) and national laws, this product should not be disposed of with your household garbage, and should be handed over to the authorized recycling station of electricity and electricity equipment (WEEE) for recycling, because this type of waste will have potential harmful substances, which may have negative impact on the environment and health products. At the same time, when you handle this product correctly, it will help to effectively help the 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 department.

## ■ About this user manual

For more information, please visit our website:

<https://www.takstar.com/>. Takstar reserves the final interpretation right!



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







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