

TAKSTAR® 得胜



MIX1Plus 便携式直播声卡

Portable Webcast Sound Card



使用手册 User Manual

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■ 前言

感谢您选购得胜MX1 PLUS便携式直播声卡，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 PLUS是一款针对K歌、直播而设计的便携式声卡，适用于智能手机、平板及电脑，兼容iOS、Android系统。内置DSP数字芯片，一键式操作，即插即用。内置锂离子电池，便于携带户外使用。具有多种美声效果及主播音效，使直播变得既简单又具有趣味性。

■ 产品特性

- 专为网络K歌、直播而设计，适用于智能手机、平板及电脑；
- 内置DSP芯片，9种美声效果切换，操作简便；
- 具有9种主播特效，丰富直播间气氛，直播更具趣味性；
- 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；
- 具备OTG功能，可通过USB与手机连接实现高清无损的录音、直播；
- 智能降噪，自动屏蔽麦克风对环境噪音的拾取，唱歌无杂音；
- 一键闪避效果，说话时背景音乐自动压低，适合主播使用；
- 话筒音量、伴奏音量及混响量独立调节，控制灵活，可操作性强；
- 具有多种话筒接口，提供48V供电，兼容各种类型的电容麦、动圈麦及耳麦；
- 内置聚合物锂离子电池，可边充边用，使用时间约8小时。

■ 包装清单

声卡·····	1台
音频线（规格：Φ3mm*1.2m）·····	2条
Type-C数据线（规格：Φ4mm*1.2m）·····	1条
卡侬线（规格：Φ4mm*2m）·····	1条
便携盒·····	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APP：适用于各种娱乐直播APP及带货直播平台

■ 系统要求

兼容苹果、安卓

■ 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
总谐波失真：THD<0.5% 1KHz
耳机输出功率：167.7mW/32Ω
耳机信噪比：92dB（A-Weighted）
蓝牙版本：V4.2
主芯片：DSP
混响模式：Reverb
电音基调：24种基调Autotune
均衡处理：EQ
产品尺寸：142*98*22mm（长*宽*高）；
净重：约300g

电池参数

电池类型：锂离子电池
充电方式：USB 5V=1A
电池容量：2700mAh
充电时间：约4小时
使用时间：约8小时（48V关闭时）
约6小时（48V开启时）

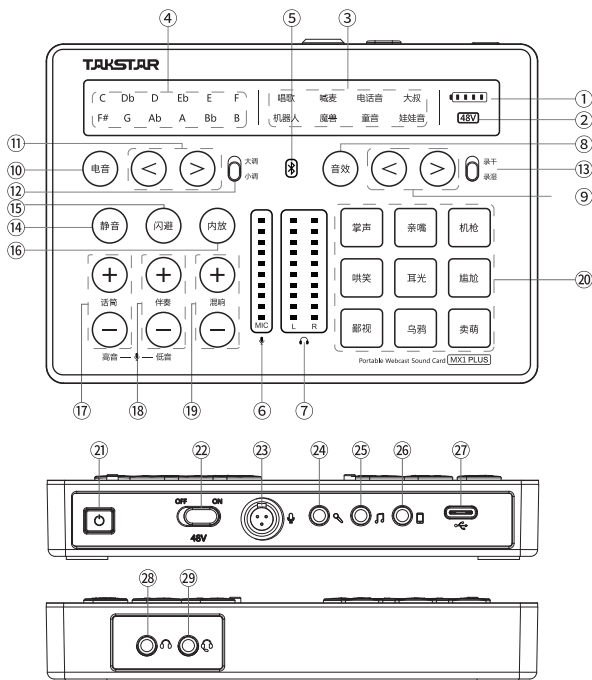
接口详情

音频接口：手机接口（Φ3.5mm）	伴奏接口（Φ3.5mm）
话筒接口1（Mini XLR）	话筒接口2（Φ3.5mm）
耳机接口（Φ3.5mm）	耳麦接口（Φ3.5mm）

数据接口：Type-C接口

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：电池符号电量有四格，一格为25%电量；剩下一格时，表示电量不足，需要及时充电；充电时，逐格流水点亮指示灯；充满电时，指示灯满格显示；
- ② 48V指示灯：48V开关拨到“ON”位置时，48V指示灯长亮红灯，48V开关拨到“OFF”位置时，48V指示灯熄灭；

- ③ 音效指示灯：8个美声音效指示灯，分别有：唱歌、喊麦、电话音、大叔、机器人、魔兽、童音、娃娃音，当选择到对应效果时，该效果的指示灯常亮蓝灯；
- ④ 电音指示灯：12个电音基调指示灯，分别有：C、Db、D、Eb、E、F、F#、G、Ab、A、Bb、B，当选择到对应的电音基调时，该电音基调的指示灯长亮蓝灯；
- ⑤ 蓝牙指示灯：显示蓝牙工作状态。打开蓝牙，指示灯闪烁进入等待配对状态；蓝牙配对成功，指示灯常亮蓝灯；关闭蓝牙时，指示灯熄灭；
- ⑥ 麦克风音量/混响量指示灯：共10级，1~6级为绿灯，7~8级为橙灯，9~10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；调节混响量“+”/“-”时，指示灯跟随混响量依次点亮或熄灭；
- ⑦ 伴奏音量/麦克风高、低音指示灯：共10级，1-6级为绿灯，7-8级为橙色，9-10级为红灯；直播时，指示灯跟随总音量大小动态变化；调节伴奏音量时，指示灯“L”、“R”跟随着伴奏音量等级依次点亮或熄灭；调节麦克风高音时，指示灯“L”跟随高音的等级依次点亮或熄灭；调节麦克风低音时，指示灯“R”跟随低音的等级依次点亮或熄灭；
- ⑧ 音效按键：循环点按音效按钮，开启或关闭美声效果。开启时，音效指示灯长亮蓝灯；关闭时，音效指示灯熄灭，此时为原声效果；
- ⑨ 音效切换按键<>：点按“<”按钮从右到左切换效果，点按“>”按钮从左到右切换效果；
- ⑩ 电音按键：循环点按电音按钮，开启或关闭电音效果。开启时，电音指示灯长亮蓝灯；关闭时，电音指示灯熄灭，恢复原声效果；
提示：电音与闪避不能同时使用的，在开启闪避的情况下开启电音，闪避功能会自动失效，闪避指示灯自动熄灭。
- ⑪ 电音基调切换按键<>：点按“<”按钮从右到左切换电音基调，点按“>”按钮从左到右切换电音基调；
- ⑫ 大调/小调切换按钮：拨到“大调”位置时为电音大调，拨到“小调”位置时为电音小调；

- ⑬ 录湿/录干拨钮：拨到“录湿”位置时，录到带效果的声音，拨到“录干”位置时，录到不带效果的原声；
- ⑭ 静音按键：
- a. 循环点按静音按键，开启或关闭静音功能。开启时，指示灯常亮红灯，此时切断麦克风信号；关闭时，指示灯熄灭，麦克风信号恢复正常；
 - b. 循环长按静音按键，开启或关闭麦克风降噪功能，出厂默认降噪为开启状态。当出现“嘟”的一声提示音，表示开启降噪功能，可以自动屏蔽麦克风对环境噪声的拾取。出现“嘟嘟”的两声提示音，表示关闭降噪功能。
- ⑮ 闪避按键：循环点按闪避按键，开启或关闭闪避功能。开启时，闪避指示灯长亮蓝灯，说话时背景音乐会自动压低；
- ⑯ 内放按键：循环点按内放按键，开启或关闭内放功能。开启内放时，指示灯常亮蓝灯，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，指示灯熄灭，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。
- ⑰ 话筒音量/话筒高音按键：
- a. 具有10级话筒音量可调，点按话筒音量“+”时，话筒音量逐级增大，同时话筒指示灯逐格增加；点按话筒音量“-”时，话筒音量逐级减小，同时话筒指示灯逐格减少；
 - b. 具有10级话筒高音可调，每长按话筒高音“+”一次，话筒高音逐级增加，同时监听L指示灯逐格增加；每长按话筒高音“-”一次，话筒高音逐级减小，同时监听L指示灯逐格减少；
- ⑱ 伴奏音量/话筒低音按键：
- a. 具有10级伴奏音量可调，点按伴奏音量“+”时，伴奏音量逐级增大，同时监听指示灯逐格增加；点按伴奏音量“-”时，伴奏音量逐级减小，同时监听指示灯逐格减少；

b.具有10级话筒低音可调，每长按话筒低音“+”一次，话筒低音逐级增加，同时监听R指示灯逐格增加；每长按话筒低音“-”一次，话筒低音逐级减小，同时监听R指示灯逐格减少；

提示：伴奏音量按键能够控制伴奏口、蓝牙及OTG接口的音乐音量，不控制手机接口的音乐音量；

- ⑩ 混响量按键：具有10级混响音量可调，点按混响音量“+”时，混响音量逐级增大，同时话筒指示灯逐格增加；点按混响音量“-”时，混响音量逐级减小，同时话筒指示灯逐格减少；
- ⑪ 主播音效：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。每个主播特效按键下有指示灯，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；
- ⑫ 电源按键：
 - a. 长按电源按键2秒，开启或关闭声卡，所有指示灯来回扫灯一次；
 - b. 点按电源按键开启或关闭蓝牙，蓝牙配对方法详见说明书的“蓝牙配对”部分；
- ⑬ 48V开关：拨到“ON”位置时，开启48V供电，拨到“OFF”位置时，关闭48V供电；
- ⑭ 话筒接口1：卡侬（XLR）接口，可接需要48V供电的电容话筒；
- ⑮ 话筒接口2：可接3.5mm接口的话筒（动圈话筒和免电源电容话筒）；
- ⑯ 伴奏接口：通过伴奏线与外部音源设备连接，方便直播时播放伴奏；
- ⑰ 手机接口：通过音频线与用于直播或K歌的手机、平板连接；
- ⑱ Type-C 接口：通过USB数据线可以为声卡充电。此外MX1 PLUS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。
- ⑲ 耳机接口：连接耳机或有源音箱；
- ⑳ 耳麦接口：连接3.5mm的耳麦，美标、国际耳麦均支持。

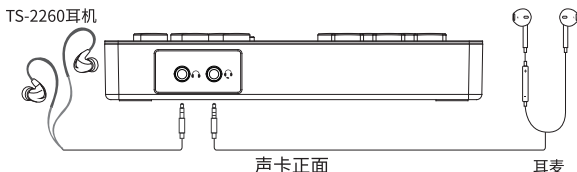
■ 使用说明

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. 将耳机连接到声卡前面的 $\Phi 3.5\text{mm}$ 耳机接口；



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，安卓手机需要采用的USB转Type-C转接头；（此两样转接头需要自行另购）

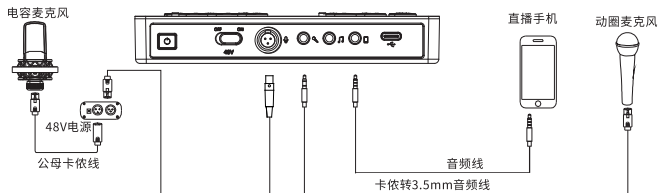
3. 将电容麦克风连接到声卡的麦克风接口1，然后将声卡的48V开关拨到“ON”的位置。如果是动圈麦克风则接到声卡的麦克风接口2，耳麦则接到声卡前面的 $\Phi 3.5\text{mm}$ 耳麦接口；

提示：如果声卡需要边充边用，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，有可能会产生电流声。

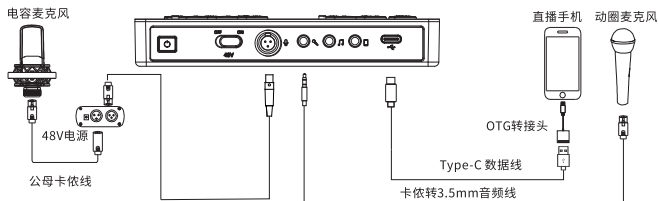
4. 开启声卡，打开手机K歌或直播APP就可以开始手机K歌、直播之旅了。

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，否则有可能会出现各种兼容性问题。

Φ3.5mm连接示意图



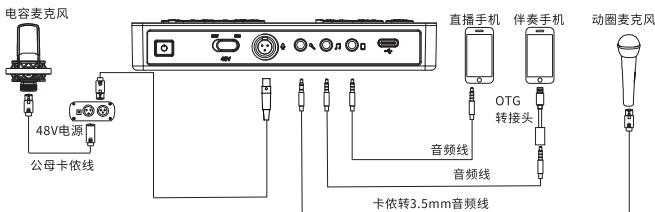
OTG连接示意图



三、连接伴奏手机

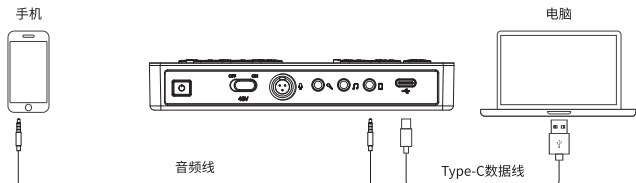
针对部分手机直播APP无伴奏功能或者在直播手机上播放伴奏不方便的问题，声卡增加了伴奏接口，实现一部手机用于直播，另一部手机用于播放伴奏的需要。

1. 按手机K歌的方法将相关的设备连接好；
2. 通过音频线将第二部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 PLUS 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。

七、OTG兼容模式

MX1 PLUS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。

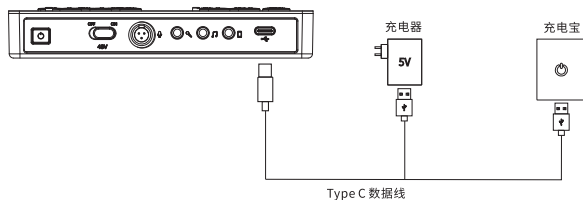
如果iOS系统版本过低，可能会出现不兼容的情况，具体要看iOS系统版本而定。我们强烈建议购买苹果原装相机套件。如果iPad、iPhone后面板装有保护壳，相机套件的插头可能发生插不紧或接触不良的情况，如果出现这种问题，请取下保护壳。

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 PLUS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；电量指示灯剩下一格电量时，说明声卡电量不足，需及时充电；
 3. 充电时，电量指示灯逐格流水点亮，表示正在充电中；充满电后，电量指示灯满格显示；使用5V直流电源充电，在充电电流1A的情况下，约4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；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。



■ 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；

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持接口，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，内放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。在自由聊天模式下，请关闭内放功能，其它麦序模式下开内放功能则无影响。

八、手机直播时听到双重音

1. 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。
2. 当使用声卡的OTG功能连接手机进行连麦直播的情况下，请关闭声卡内放功能。

■ 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本机，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。



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/>

■ 环保说明

产品中有害有毒物质或元素的名称及含量标识表

部件名称	有害有毒物质或元素					
	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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■ Product

Dear Customer,

Thank you for purchasing TAKSTAR MX1 PLUS portable webcast sound card. Please read the user manual carefully before operation and keep it for reference in future. If you have any questions or suggestions, please contact our local dealer.

■ Brief introduction

MX1 PLUS is the portable sound card tailored for Karaoke/webcast. It is suitable for smart phone/iPad/PC application and compatible with iOS/Android system. This sound card features built-in DSP digital chip, pressing one button operation, plug and play, built-in Li-ion battery for outdoor application, multiple sound effects and host effects to make webcast easy and promote webcast atmosphere.

■ Features

- Tailored for Karaoke/webcast, suitable for smart phone/iPad/PC.
- Built-in DSP chip, 9 sound effects for convenient operation .
- 9 host effects to enrich webcast atmosphere.
- Bluetooth playing function to play music freely without the trouble of cable connection.
- OTG function to link with cell phone via USB for HD recording and webcast .
- Smart noise reducing to shield picking up ambient noise for clear singing.
- Press one button for ducking function for host application .
- Independent adjustment of mic volume, accompaniment volume and reverb volume, flexible control, practical operation h operation time.

- Multiple mic connectors, providing 48V power supply, compatible with condenser mic/dynamic mic/headset .
- Li-ion battery, charging during operation, approximately 8h operation time .

■ Product content

Sound card	1 pc
Audio cable (Φ3mm*1.2m)	2 pcs
Type-C data cable (Φ4mm*1.2mm)	1 pc
XLR cable (Φ4mm*2mm)	1 pc
Portable box	1 pc
User manual	1 pc

■ Application

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

Suitable for various entertainment webcast APPs or influencer marketing platforms

■ Compatibility

Compatible with iOS/Android system

■ Specification

Sound Card Specification

Data Transmission: USB2.0

Sample Rate: 48KHz/16bit

Frequency Response: 20Hz-20KHz

THD: THD<0.5% 1KHz

Headphone Output Power: 167.7mW/32Ω

Headphone S/N Ratio: 92dB (A-Weighted)

Bluetooth Version: V4.2

Main Chip: DSP

Reverb Mode: Reverb

Autotune: 24 kinds of Autotunes

EQ Processing: EQ

Product Dimension: 142*98*22mm(L*W*H)

Net Weight: approximately 300g

Battery Specification

Battery Type: Li-ion battery

Charging: USB 5V $\overline{\text{---}}$ 1A

Battery Capacity: 2700mAh

Charging Time: approximately 4h

Operation Time: approximately 8h (when 48V turned off)

approximately 6h (when 48V turned on)

Connector Specification

Audio Connector: cell phone connector (3.5mm)

accompaniment connector (3.5mm)

microphone connector 1 (Mini XLR)

microphone connector 2 (3.5mm)

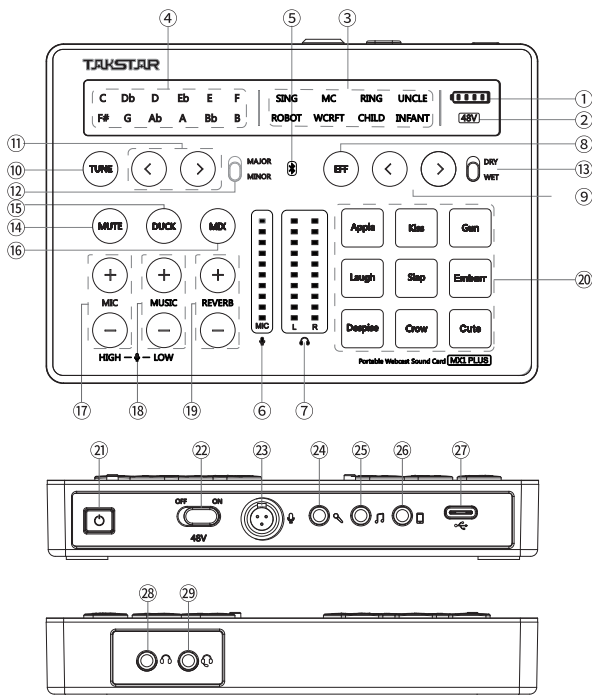
Headphone connector (3.5mm)

Headset connector(3.5mm)

Data Connector: Type-C connector

Note: the above data are measured by Takstar laboratory and Takstar has the right of final interpretation.

Function instruction



- ① Power LED: the power symbol has four sections. One section means 25% power. If there is only one section left, this means the insufficient power. Please recharge in time. During recharging, power LED lights up one by one. After the sound card is recharged fully, all power LEDs light up.
- ② 48V LED: set 48V switch to ON, the LED keeps lighting up red, and to OFF, the LED lights off.
- ③ Effect LED: there are 8 sound effects: SING, MC, RING, UNCLE, ROBOT, WCRFT, CHILD, INFANT. When an effect is selected, the corresponding LED lights up blue.
- ④ Autotune LED: 12 autotune LEDs: C, Db, D, Eb, E, F, F#, G, Ab, A, Bb, B. When an autotune is selected, the corresponding LED lights up blue.
- ⑤ Bluetooth LED: Display Bluetooth status. When the Bluetooth is turned on, the LED flashes to wait for matching. When the Bluetooth is successfully matched, the LED keeps lighting up blue. When the Bluetooth is turned off, the LED lights off.
- ⑥ Microphone volume/reverb volume LED: 10 levels in total. 1~6 levels are green, 7~8 orange, and 9~10 red. During live broadcast, the LED dynamically changes with the microphone volume. When the microphone volume “+” / “-” is adjusted, the LED lights up or off in sequence following the microphone volume; when the reverb volume “+” / “-” is adjusted, the LED lights up or off in sequence following the reverb volume.
- ⑦ Accompaniment volume/microphone HF/LF LED: 10 levels in total. 1-6 levels are green, 7-8 orange, and 9-10 red. During live broadcast, the LED dynamically changes with the total volume. When the accompaniment volume is adjusted, the LEDs “L” and “R” light up or off in sequence following the accompaniment volume;

when the microphone HF is adjusted, the LED “L” lights up or off in sequence following the HF level; when the microphone LF is adjusted, the LED “R” lights up or off in sequence following the LF level.

- ⑧ Sound effect button: press the button to turn on/off the sound effect. When ON, the LED lights up blue. When OFF, the LED lights off.
- ⑨ Sound effect switching button <>: press “<” to switch the sound effect from right to left and vice versa.
- ⑩ Autotune button: press the button to turn on/off the electronic sound. When ON, the LED lights up blue. When OFF, the LED lights off.
Note: Autotune and ducking functions cannot be used at the same time. If autotune is turned on when ducking is on, the ducking function and the ducking LED will be off automatically.
- ⑪ Autotune switching button <>: press “<” to switch the autotune from right to left and vice versa.
- ⑫ Major/minor switching button: set the switch to major for electronic sound major, and minor for electronic sound minor.
- ⑬ Wet recording/dry recording button: set it to wet recording to record the sound with effect, and dry recording to record sound without Effect.
- ⑭ Mute button:
 - a. Press the mute button to turn on/off the mute function. When turned on, the LED lights up red, and the microphone signal is cut off; when turned off, the LED lights off and the microphone signal returns to normal;
 - b. Keep pressing the mute button to turn on/off the noise reduction function of the microphone. The noise reduction function is turned on by default when the product leaves the factory. When you hear “beep” once, it means that the noise reduction function is turned on, which can automatically shield the microphone from picking up environmental noise. When you hear “beep” twice, it means that the noise reduction function is turned off.

- ⑮ Ducking button: press the button to turn on/off the ducking function. When the function is on, the LED lights up blue. The background music volume goes down during speaking.
- ⑯ Internally playing button: press the internally playing button to turn On/off the internally playing function. When the function is turned on, the LED lights up blue, and the music played on the computer can be sent to the live broadcast platform (that is, netizens can hear the music played on your computer); when the function is turned off, the LED lights off, and the music played on the computer is not sent to the live broadcast platform (that is, netizens cannot hear the music played on your computer).

Note: when using the free chat mode of the computer live broadcast platform, please turn off the internally playing function, otherwise the people in the live broadcast room will hear two sounds. In other modes, please turn on the internally playing function, otherwise the accompaniment played on the computer will not be sent to the live broadcast room.

- ⑰ Microphone vol/mic HF button:
 - a. Totally 10 microphone volume levels. Press + to increase the microphone volume, and meanwhile the microphone LED goes up, and vice versa.
 - b. Totally 10 microphone HF levels. Press + to increase the microphone HF volume, and meanwhile the monitoring “L” LED goes up, and vice versa.
- ⑱ Accompaniment vol/mic LF button:
 - a. Totally 10 accompaniment volume levels. Press + to increase the accompaniment volume, and meanwhile the monitoring LED goes up, and vice versa.

b. Totally 10 microphone LF levels. Press + to increase the microphone LF volume, and meanwhile the monitoring “R” LED goes up, and vice versa.

Note: the accompaniment volume button can control the music volume of the accompaniment connector, Bluetooth and OTG connector, but not the music volume of the mobile phone connector.

- ⑩ Totally 10 reverb volume levels. Press + to increase the reverb volume, and meanwhile the microphone LED goes up. Press - to decrease the reverb volume, and meanwhile the microphone LED goes down.
- ⑪ 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.
- ⑫ Power button:
 - a. Keep pressing power button for 2 seconds to turn on/off the sound card, and all LEDs light up back and forth.
 - b. Press the power button to turn on/off the Bluetooth. Please refer to the “Bluetooth Matching” section of the manual for the Bluetooth matching method.
- ⑬ 48V switch: set it to ON to turn on the 48V power supply, and OFF to turn off the 48V power supply.
- ⑭ Microphone connector 1: XLR connector to link with condenser microphone which needs 48V power supply.
- ⑮ Microphone connector 2: it is used to link with microphone (dynamic mic and power-free condenser mic) which has 3.5mm connector.
- ⑯ Accompaniment connector: it is used to link with external audio source equipment to play accompaniment music during live broadcast.

- ②6 Cell phone connector: it is used to link with cell phone or tablet PC for webcast or karaoke via audio cable.
- ②7 Type-C connector: the sound card can be charged via a USB data cable. In addition, MX1 PLUS also has a built-in digital chip that supports OTG function. It can be connected to a computer or mobile phone through a USB data cable to achieve lossless digital transmission. The system automatically recognizes the sound card. Plug and play. For details, please refer to the “Instructions” section of the manual.
- ②8 Headphone connector: it is used to link with headphone or active speaker cabinet.
- ②9 Headphone microphone connector: it is used to link with 3.5mm headphone microphone. Both CTIA/OMTP microphones are Compatible.

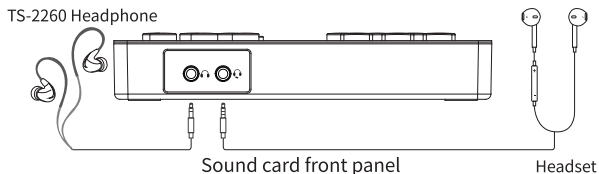
■ Operation instruction

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 headphoneto theΦ3.5mmheadphone connector of the sound card.

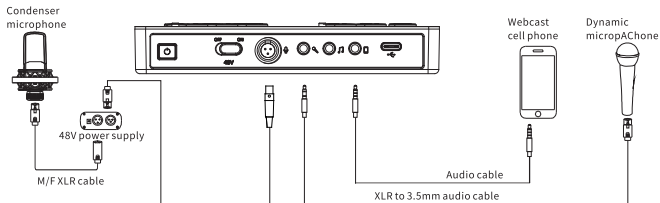


2. There are two ways to connect the sound card to the cell phone. One is the analog signal connection through the $\Phi 3.5\text{mm}$ connector, and the other is the digital signal connection through the Type-C connector. The recording quality and music sound quality of the digital connection are clearer and of more fidelity.
 - ① Connect the cell phone's $\Phi 3.5\text{mm}$ headphone connector to 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 the sound card's Type-C connector to the cell phone's data connector via Type-C data cable. iPhone needs the relative accessories. Android cell phone needs USB to Type-C adapter (buy the adapter additionally).
3. Connect the condenser microphone to the microphone connector 1 of the sound card, and then turn the 48V switch of the sound card to the "ON" position. If it is a dynamic microphone, connect it to the microphone connector 2 of the sound card, and connect the headset to the $\Phi 3.5\text{mm}$ headset connector on the front of the sound card;
Note: If the sound card needs to be used while charging, it is recommended to connect a power bank to charge the sound card. If it is connected to the power adapter for charging, the sound of electric current may occur.

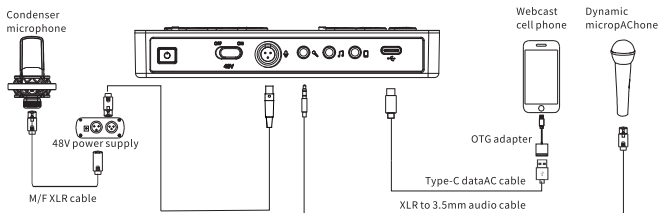
4. Turn on the sound card, and open Karaoke or webcast APP on the cell phone for use.

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

Φ3.5mm connection diagram



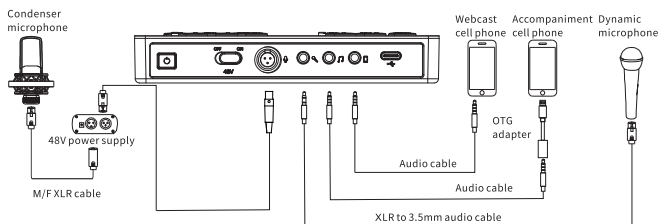
OTG connection diagram



C. Connect the accompaniment cell phone

The sound card has an 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 accompaniment.

1. Connect relative equipment according to the way of cell phone Karaoke.
2. Connect the accompaniment cell phone to the accompaniment connector of the sound card via audio cable.
3. Turn on the sound card and the webcast APP. Then use the accompaniment cell phone to play accompaniment for your webcast.

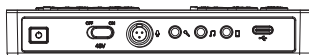


D. Simultaneous live broadcast of the pc and cell phone

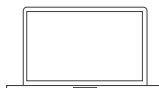
1. Connect relative equipment according to the way of cell phone Karaoke.
2. Use Type-C data cable to connect the sound card to the USB connector of the PC. The PC will identify the sound card and install the driver automatically.

MX1 Plus Portable Webcast Sound Card

Cell phone



PC



Audio cable

Type-C data cable

3. Set “TAKSTAR MX1 PLUS Audio” as the default equipment.
4. Turn on the sound card, and open the live broadcast software on the pc and cell phone at the same time to realize the simultaneous live broadcast on both devices.



E. Speaker cabinet Karaoke

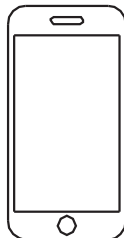
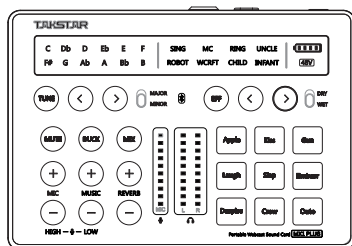
The connection of speaker cabinet Karaoke is the same as that of the cell phone Karaoke. Just change the headphone to the active speaker cabinet.

Note: to avoid feedback, it is recommended to use dynamic microphone but not condenser microphone. Furthermore, keep the microphone cartridge against the active speaker cabinet while maintaining a proper distance, and decrease the microphone volume and the speaker volume.

F. Bluetooth matching

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

1. When the sound card is turned on, press the power button, and then the blue light of the Bluetooth indicator flashes, indicating that the Bluetooth is searching for pairing status;
2. Enter the “Settings” menu of the mobile phone, find the Bluetooth function option, and turn on the Bluetooth function of the mobile phone. After searching for “TAKSTAR MX1 PLUS” , click “TAKSTAR MX1PLUS” to connect. When the Bluetooth indicator returns to steady light, it means the Bluetooth connection is successful;
3. Next time you turn on the Bluetooth function, if your sound card has been connected to Bluetooth once, it will automatically connect back;
4. When the Bluetooth connection is successful, tap the Bluetooth button to disconnect it.



G. OTG compatible mode

MX1 PLUS sound card can be directly connected to iPad/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, which depends on the iOS system version. We strongly recommend you to buy the original iPad/iPhone camera kit. If the rear panel of the iPad/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.

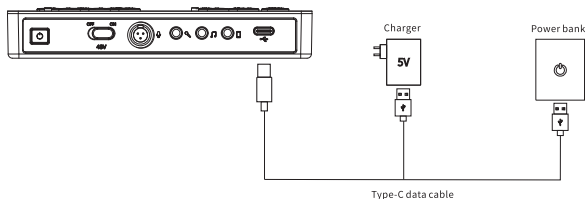
If the sound card is not compatible with the connected iPad/iPhone device, the iPad/iPhone will detect an incompatible USB device and display “unusable device ---- the connected USB device is not supported”. In newer versions of iOS, the device name is displayed after the connection. Due to different iOS versions, some APPs may not be able to be used or maybe only one channel sound is recorded.

Note: MX1 PLUS 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. Thus, whether the models can be compatible depends on the actual application. You can test by yourself.

H. Charging instruction

1. The sound card can be connected to power bank, PC USB or power adapter for charging.
2. Long press the power switch of the sound card. If the power indicator does not light up, it indicates that the sound card is out of power. When the power indicator has one bar of power, it indicates that the sound card has insufficient power and needs to be charged in time;
3. When the sound card is being charged, the battery indicator lights up one by one, indicating that it is charging; when fully charged, the battery indicator is full; when charged with a 5V DC power supply, it can be fully charged in about 4 hours with a charging current of 1A; when the battery is fully charged, please stop charging the battery to avoid overcharging.

Note: When the sound card is used for the first time, it is recommended to fully charge it; if the sound card is not used for a long time, it should be charged every six months to avoid over-discharge of the battery, which will affect the battery performance.



■ Trouble shooting

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

1. Check if the sound card has sufficient power. If not, recharge it and try Again.

B. There is no sound when playing music.

1. Check if the sound card has been connected correctly to the cell phone or PC.
2. Check if the headphone has been connected correctly.
3. Check if the cell phone has played sound normally. If not, exit the software, play it again and check the result.

C. The microphone sound cannot be monitored.

1. Check if the microphone or headphone has been connected Successfully.
2. Check if the microphone volume or monitor volume has been decreased too much. If so, try to increase the volume and check the Result.

D. The recorded sound has no effect.

1. Check if the cell phone or PC has been connected to the sound card correctly. If not, reconnect it and try again.
2. Check if the recording cell phone has been connected to the accompaniment input connector which cannot be used to record effect. If so, reconnect the recording cell phone to the cell phone connector of the sound card and try again.

E. The microphone sound cannot be recorded or the recorded sound volume is too low.

1. Check if the cell phone or PC has been connected to the sound card correctly. If not, reconnect it and try again.
2. Check if the microphone volume of the recording software is decreased too much. If so, adjust the volume and check the result.

F. The headphone has feedback.

1. Check if the microphone or headset has been connected correctly. If not, reconnect it and try again.
2. When the cell phone has the monitor function, please disable the monitor function of the APP.

G. PC live broadcast has two sounds.

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

H. Cell phone live broadcast has two sounds.

1. Some live broadcast APPs for cell phone don't have the monitor function, which causes two sounds during live broadcast. When live broadcast APPs don't have the monitor function, the volume of cell phone should be minimized.
2. When using the OTG function of the sound card to connect to the mobile phone for live broadcast with microphones, please turn off the internally playing function of the sound card.

■ Safety instruction

In order to avoid possible personal injury or property damage caused by electric shock, high temperature, fire, radiation, explosion, mechanical hazards and improper use, please read and observe the following items carefully before using this product.

1. Adjust the volume appropriately when using the product, and do not use it for a long time at a high volume to avoid hearing damage.
2. If there is any abnormality (such as smoke, odor, etc.) during use, please turn off the power switch and unplug the power plug immediately, and then send the product to the dealer for Maintenance.
3. This product and accessories should be placed indoors in a dry and ventilated place. Do not store them in a humid and dusty environment for a long time. Avoid getting close to fire, rain, water, excessive collision, throwing, vibrating the machine and covering the ventilation holes during use, so as not to damage its function.
4. This product must not be exposed to water droplets or splashes, and no objects containing liquids such as vases should be placed on the Product.
5. When cleaning the equipment, use a soft dry cloth and do not use paint thinners, solvents, cleaning fluids or rags soaked in chemicals.
6. When using this product, you must abide by the relevant safety regulations. Please do not use the product in the occasions that are clearly prohibited by laws and regulations to avoid accidents.
7. Please do not disassemble, refit or repair the product by yourself to prevent personal injury. If you have any questions or service needs, please contact your local dealer for follow-up. Unauthorized disassembly, refit or repair of this equipment may result in loss of the warranty service provided by Takstar.
8. Please use the accessories specified by the manufacturer.

■ 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.



This symbol indicates that according to the WEEE Directive (2012 / 19 / EU) and national laws, this product should not be disposed of together with your household waste, and should be returned to an authorized recycling station of electrical and electronic equipment (WEEE) for recycling, because this type of waste has potential harmful substances that may have a negative impact on the environment and human health. Meanwhile, when this product is disposed of properly, it is conducive to 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 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



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