TAKSTAR® 得胜

MX1 Set 直播声卡套装
LIVE BROADCAST SOUND CARD SET

使用手册 User Manual

M╳1 Set 直播声卡套装

■ 前言

尊敬的用户：

感谢您选购得胜MX1 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 Set声卡套装是一套直播K歌装备，套装包含MX1声卡、SM18电容麦克风、TS-2260耳塞、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、平板以及电脑等智能终端，小巧便携，操作简单。麦克风采用Ø34mm镀金大振膜音头，拾音灵敏，频响宽，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，方便主播携带户外使用。

■ 产品特性

MX1声卡

◆ 针对网络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种美声效果一键切换，操作简便；
◆ 具有9种主播音效，其中3种音效还可以自由更换，直播更具趣味性；
◆ 实时耳返，所听即所唱，唱歌不抢拍，不掉拍；
◆ 智能降噪，自动屏蔽麦克风对环境噪音的拾取，唱歌更安静；
◆ 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、监听音量及录音音量独立调节，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；
◆ 具有伴奏输入接口，可连接外部音源设备，方便直播时播放伴奏；
◆ 内置聚合物锂离子电池，可边充边用，使用时间约8小时。

SM-18麦克风

◆ 采用Ø34mm镀金大振膜音头，宽广的频响，确保了声音的真实还原；
◆ 灵敏度拾音，轻松捕捉更为细腻的声音细节；
◆ 优越的声压处理能力，防止过载失真，适合拾取各种不同类型的音源；
◆ 较低的本底噪声，录制声音更纯净，轻松胜任各种录音、直播环境；
◆ 专用金属防风网，小巧的造型能避免遮挡用户脸部同时有效消除喷麦声；
◆ 配置专用的金属防震架，具有出色的隔震性能，有效消除震动传导噪声；
◆ 配置高档手提铝合金箱，方便用户携带和存放。

MX1 Set 直播声卡套装

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声卡···1台
SM-18电容麦克风···1支
TS-2260耳塞···1条
音频线（规格：Φ3mm*1.2m）·······························2条
Micro USB数据线（规格：Φ4mm*1.2m）··················1条
Mini XLR卡侬线（规格：Φ4mm*2m）·······················1条
防震架··1个
防风网··1个
耳帽（S/M/L）···3对
耳机便携盒···1个
铝合金箱···1个
说明书··1份

■ 系统要求

iOS、Android、windows全兼容

■ 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

MX1 Set 直播声卡套装

■ 技术参数

声卡参数

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：125mW/32Ω

耳机信噪比：90dB (A-Weighted)

主芯片：DSP

混响模式：Reverb

电音基调：24种基调Autotune

均衡处理：EQ

电池类型：锂离子电池

电池容量：2700mAh

充电方式：USB 5V⎓1.5A

使用时间：8小时以上（48V关闭时）
　　　　　　6小时（48V开启时）

音频接口：手机接口（3.5mm）、伴奏接口(3.5mm)、话筒接口1（Mini XLR）话筒接口2（3.5mm）、耳机接口(3.5mm)、耳麦接口(3.5mm)

电源接口：Micro USB充电接口

产品尺寸：142*98*22mm (长*宽*高)

净重：约300g

耳机参数

产品类型：动圈式立体声耳机

单元直径：9.2mm

单元阻抗：18Ω±15%

频率响应：20Hz-20kHz

灵敏度：95±3dB SPL (94dB SPL=1Pa) at
　　　　　1KHz with input=0.126V (1mW)

峰值功率：5mW

额定功率：3mW

导线：Ø2.3mmX2m

接驳插头：Ø3.5mm三级镀金插头

产品重量：约13g

麦克风参数

音头：34mm镀金大振膜音头

指向性：单指向

频率响应：20Hz-20KHz

灵敏度：-33dB±3dBV (0dB=1V/Pa at 1KHz)

等效噪声级：≤20dBA (IEC 581-5)

峰值声压级：135dB (THD≤1% at 1KHz)

输出阻抗：110Ω±30% (at 1KHz)

工作电压：48V幻象电源

单体尺寸：157mmx55x38mm

注：以上数据由得胜实验室测试得到，并拥有最终解释权！

MX1 Set 直播声卡套装

■ 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"OFF"位置时，48V指示灯熄灭；

3. 效果指示灯：9个美声效果指示灯，分别有：小混响、中混响、大混响、KTV、喊麦、电话音、男变女、女变男，当选择到对应效果时，该效果的指示灯长亮蓝灯；

4. 基调指示灯：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. 音效按钮：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；

6. 音效切换按钮：点按"<"按钮从右到左切换效果，点按">"按钮从左到右切换效果；

7. 电音切换：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。

8. 电音基调切换按钮<>：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；

MX1 Set 直播声卡套装

9. 大调/小调切换拨钮：拨到"大调"位置时为电音大调，拨到"小调"位置时为电音小调；

10. 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；

11. 降噪按钮：循环点按降噪按钮，开启或关闭降噪功能。开启时，指示灯长亮绿灯，此时能够自动屏蔽麦克风对环境噪音的拾取，唱歌不受环境杂音干扰；关闭时，指示灯熄灭，此时麦克风拾取更为真实自然的声音；

12. 闪避按钮：循环点按闪避按钮，开启或关闭闪避功能。开启时，闪避指示灯长亮绿灯，此时说话背景音乐音量会自动压低，适用于直播的聊天场景；关闭时，闪避指示灯熄灭；提示：电音与闪避不能同时使用，在开启电音的情况下是无法开启闪避的，需要闪避功能请切换到音效模式，再开启闪避功能；

13. 混音按钮：a.混音按钮，开启或关闭混音功能。开启时，混音指示灯长亮绿灯，此时电脑播放的音乐可以发送给网络对方；关闭时，混音指示灯熄灭，伴奏只给自己监听，不发送给网络对方；

    b.循环长按混音按钮4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声音，关闭时语音提示"耳返关闭"，耳机不能监听到麦克风声音；提示：在电脑直播平台的自由聊天模式下使用时，请关闭混音功能，否则直播间的人说话会听到双重音；其它模式下，请开启混音功能，否则伴奏不会发送到直播间；

14. (话筒+-)按钮：16级话筒音量调节，点按"+"按钮增加话筒音量，点按"-"按钮减小话筒音量，音量调大到顶（16级）或调小到底（1级）时有"咚"的一声提示音；

15. (监听+-)按钮：16级监听音量调节，点按"+"按钮增加监听音量，点按"-"按钮减小监听音量，音量调大到顶（16级）或调小到底（1级）时有"咚"的一声提示音；

16. (录音+-)按钮：16级录音音量调节，点按"+"按钮增加录音音量，点按"-"按钮减小录音音量，音量调大到顶（16级）或调小到底（1级)时有"咚"的一声提示音；

17. 主播音效：9个主播音效按钮，其中有6个固定音效，分别是：掌声、亲嘴、哄笑、耳光、鄙视、乌鸦；有3个自定义音效，分别是：A（欢呼）、B（小哄笑）、C（机枪），音效可根据个人喜好进行自由更换，更换方法详见本说明书的自定义主播音效操作方法部分。每个主播音效按钮下有指示灯，点按主播音效按钮时，开始播放音效，对应的指示灯不停闪烁，音效播放结束后恢复长亮状态；

18. 电源按钮：长按电源按键开启或关闭声卡；

19. 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；

20. 话筒接口1：卡侬（XLR）接口，可接需要48V供电的电容话筒；

21. 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）；

22. 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；

23. 手机接口：通过音频线用于直播或K歌的手机、平板连接；

MX1 Set 直播声卡套装

24．USB接口：通过Micro USB数据线为声卡充电，另外还可以连接电脑USB接口用于电脑
K歌、直播；

25．耳机接口：连接耳机或有源音箱；

26．耳麦接口：连接3.5mm的耳麦，美标、国际耳麦均支持。

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■ 使用方法

一、软件下载

1. 在手机或电脑APP市场下载"全民K歌"、"唱吧"、"火山小视频"、"YY"、"Audition"等应用软件；

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K歌

声卡正面

声卡背面

1. 将耳机连接到声卡的耳机接口；

2. 通过音频线将手机的耳麦插孔与声卡的手机接口连接，如果手机没有耳麦插孔的，需配合OTG转接头使用（OTG转接头需自行另购）；

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；如果是耳麦，则接到声卡的耳麦接口；

4. 长按声卡电源键开启声卡，打开手机K歌、直播软件。

三、手机直播

第二部手机　　　　　　　　　　　　　　　　　　　　　　第一部手机

音频线　　　　　　　　　　　音频线

伴奏手机　　　　　　　　　　　　　　　　　　　　　　　直播手机

　　　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功能，方便直播用户的需要。

1．按手机K歌的方法将相关的设备连接好，并开启声卡电源；

2．通过音频线将第二部手机与声卡的伴奏接口连接；

3．用第一部手机打开直播APP进行直播，用第二部手机播放伴奏；

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，并开启声卡电源；

2．将声卡和电脑通过Micro USB数据线连接起来，电脑将自动识别声卡并完成驱动安装；

手机　　　　　　　　　　　　　　　　　　　　　　　　　电脑

音频线　　　　　　　　　　Micro USB数据线

3．将系统喇叭"播放"及"录制"设备"TAKSTAR MX1 Audio"设置为默认设备；

4．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、户外K歌

音箱 　　　　　　　　　　　　　　　　　　手机

48V

音频线

户外K歌与手机直播的方法雷同，只需要把耳机换成连接有源音箱即可。

提示：为了避免接有源音箱K歌时容易产生啸叫，户外K歌建议使用动圈麦克风或耳麦，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；

MX1 Set 直播声卡套装

六、自定义主播音效

自定义主播音效软件可通过登录得胜官网的服务支持页面进行下载

A. 自定义音效软件可以根据自己的需要把音效软件里的音效加载储存到声卡上，例如想把音效软件里的"出场音效"这个音效加载到声卡的按键A上，操作方法如下：

1. 通过配送的Micro USB数据线连接电脑，打开MX1声卡自定义音效软件；

2. 鼠标右键点击"出场音效"音效，选择"载入设备"选项，然后有按键A、按键B、按键C三个选项，分别对应声卡上的A、B、C 三个按键；我们是需要把音效加载到按键A上，所以我们选择"按键A"，出现文字提示"数据传据中，请稍后"，并有进度条提示加载进度，等待提示文字消失后音效加载完成。

B. 热键（即快捷键）功能，可以通过点按电脑键盘上的按键实现播放音效，而无需用鼠标点击音效，使用更方便。例如想把音效软件里的"出场音效"这个音效设置快捷键，操作方法如下：

1. 鼠标右键点击"出场音效"音效，选择"设置热键"选项（如该音效设置过快捷键，那则为选择"修改热键"，在"请输入热键"对话框里按下相应的按键，如选F3，然后确定即可；

2. 鼠标右键点击"出场音效"音效，选择"删除热键"选项，则把该音效的快捷键功能去除。

MX1 Set 直播声卡套装

C. 自定义音效功能，可以根据需要，把自己喜欢的音效文件加载到主播音效软件中，设置方法如下：

1、选择软件中的"自定义"选项，点击对话框中的"+"号，在弹出的"请选择一个mp3文件"对话框中找到音频存放路径，选择需要加载的音频文件后点击"打开"按钮；

2、弹出"修改名称"对话框，将音频文件名称修改为5个字符以内，然后点击确定按钮，自定义音效设置完成。

MX1 Set 直播声卡套装

七、充电示意

充电器	电脑	移动电源
5V		

Micro USB数据线

1. 可连接移动电源、电脑USB或电源适配器进行充电;

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

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1.5A的情况下,约3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。

MX1 Set 直播声卡套装

■ 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；

4．检查声卡的监听音量是否调得过小，可调节声卡的监听音量看是否恢复正常；

5．检查手机音量是否调得过小，可调节手机音量看是否恢复正常。

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．如果接的是需要48V供电的电容麦克风，请检查"48V"开关是否拨到"ON"状态；

3．检查声卡话筒音量或监听音量是否调得过小，调节话筒音量及监听音量看是否恢复正常；

4．当48V开关拨到"ON"位置时，为了使耳麦与电容麦声音不重复，声卡会自动屏蔽耳麦的声音；

5．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"录湿/录干"拨钮是否拨到了"录干"的位置，此时录制的声音无效果；

2．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；

3．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，然后把接手机一端插头插拔一下再试。

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．检查声卡的录音音量是否调得过小，调节录音音量看是否能恢复正常；

3．检查手机或电脑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、闪避按钮无效

当效果切换到电音模式时，闪避功能将自动关闭为正常现象。

MX1 Set 直播声卡套装

■ 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. 使用产品时请合理调整音量大小，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. 本产品及附件都应放置在室内干燥通风处，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上时，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机，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经销商跟进处理。

环保说明

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，
且此标志使用期限只适用于产品正常工作的温度和湿度等条件。 **⑩**

MX1 Set LIVE BROADCAST SOUND CARD SET

■ Preface

Dear Customer:

Thank you for purchasing TAKSTAR MX1 Set ive broadcast sound card set . 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.

■ Introduction

MX1 Set is the live broadcast/Karaoke set which consists of MX1 sound card, SM-18 condenser microphone, TS-2260 earphone and accessories. The sound card features Li-ion battery, 9 sound effects, 9 camboy/camgirl sound effects, compatible with cell phone/iPad/PC, compact design and easy operation. The microphone features cartridge of φ34mm large gold plated diaphragm, high sensitivity, wide frequency response, clear sound. The earphone is tailored for monitoring and features Ø9.2mm high resolution driver unit to reproduce rich sound details. The whole set is designed with high quality alloy case for convenient outdoor application.

■ Features

MX1 sound card

◆ Tailored for network Karaoke/live broadcast, suitable for smartphone/tablet PC/PC;

◆ Built-in DSP chip with 9 processing effects, one button to switch, easy operation;

◆ 9 effects to be selected by camboy/camgirl for more interesting live broadcast; Three of the nine can be replaced;

◆ One button to turn on monitoring function; Listen to what your are singing;

◆ Intelligent noise reduction to automatically shield the ambient noise picked up by microphone;

◆ One button to turn on background ducking function;

◆ Independent control of microphone volume, monitoring volume or recording volume,flexible operation;

◆ Multiple microphone connectors, compatible with condenser microphone, dynamic microphone, headphone microphone;

◆ Accompaniment connector to link with external audio source equipment for playing accompaniment during live broadcast;

◆ Built-in Li-ion battery for more than 8h operation; charging during operation.

M✕1 Set LIVE BROADCAST SOUND CARD SET

SM-18 condenser microphone
◆ Cartridge of Φ34mm gold plated large diaphragm, wide frequency response, reproducing original sound;
◆ High sensitivity picks up every sound detail;
◆ The prominent capability of handling extremely high sound pressure prevents from over-load distortion and suits for pick up various audio sources;
◆ Low residual noise, purer recording sound, suitable for various recording or live broadcast environments;
◆ Compact metal screen does not cover user's face but eliminate pop noise effectively;
◆ Professional shock mount prevents from vibration and vibration noise;
◆ Al case for convenient carrying and storage.

TS-2260 earphone
◆ Φ9.2mm high resolution driver unit reproduces rich sound details;
◆ Even and accurate sound,tailored for foldback monitoring;
◆ Ergonomic design.

■ Product Content

MX1 sound card ··1 pc
SM-18 condenser microphone ···································1 pc
TS-2260 earphone ···1 pc
Audio cable（Φ3mm*1.2m）·····································2 pcs
Micro USB data cable（Φ4mm*1.2m）··························1 pc
Mini XLR cable（Φ4mm*2m）····································1 pc
Shock mount ··1 pc
Windscreen···1 pc
Ear pad（S/M/L）··3 pairs
Earphone box ···1 pc
Al alloy case ··1 pc
User manual ··1 pc

■ System Compatability

Compatable with iOS, Android, windows system

MX1 Set LIVE BROADCAST SOUND CARD SET

■ Application

Cell phone/iPad/PC: Karaoke, live broadcast, recording
App: Suitable for various entertainment live broadcast APPs and influencer marketing platforms

■ Specification

Sound card specification
Data Transmission: USB2.0
Sample Ratio: 48KHz/16bit
Frequency Response: 20Hz-20KHz
THD: THD＜0.5% 1KHz
Earphone Output Power: 125mW/32Ω
Earphone S/N Ratio: 90dB(A-Weighted)
Main Chip: DSP
Reverb: Reverb
Autotune: 24 Autotunes
EQ: EQ
Type: Li-ion battery
Battery Capacity: 2700mAh
Charging: USB 5V ⎓1.5A
Operation Time: more than 8h(48V off)
                more than 6h(48V on)
Audio Connector:
    cell phone connector(3.5mm),
    accompaniment connector(3.5mm),
    mic connector1(Mini XLR),
    mic connector2(3.5mm),
    earphone connector(3.5mm),
    earphone mic connector(3.5mm)
Power Connector: Micro USB
Dimension: 142*98*22mm(L*W*H);
Net Weight: approximate 300g

Earphone Specification
Type: dynamic stereo earphone
Unit Diameter: 9.2mm
Unit Impedance: 18Ω±15%
Frequency Response: 20Hz-20kHz
Sensitivity: 95±3dB SPL (94dB SPL=1Pa)
at 1KHz with input=0.126V(1mW)
Peak Power: 5mW
Rated Power: 3mW
Cable: dia 2.3mmX2m
Connector: 3.5mm three conductor
                gold plated connector
Net Weight: approximate 13g

Microphone Specification
Cartridge: cartridge of 34mm large gold
                plated diaphragm
Polar Pattern: unidirectional
Frequency Response: 20Hz-20KHz
 Sensitivity: -33dB±3dBV
                (0dB=1V/Pa at 1KHz)
Equivalent Noise Level: ≤20dBA
                        (IEC 581-5)
Peak SPL: 135dB(THD≤1% at 1KHz)
Output Impedance: 110Ω±30%(at 1kHz)
Operation Voltage: 48V phantom power
Dimension: 157mmx55x38mm
Net Weight: approximate 372g

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

Ⅿ╳1 Set LIVE BROADCAST SOUND CARD SET

■ Function Instruction

1. Power LED: the power symbol has four section. 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 9 sound effects: minor reverb, medium reverb, strong reverb, KTV,smart RAP, telephone talking, male to female, female to male. When the effect is selected, the relative LED lights up blue.

4. Autotune LED: 12 autotunes: C, Db, D, Eb, E, F, F#, G, Ab, A, Bb, B. when the autotune is selected, the relative LED lights up blue.

5. 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.

6. Sound effect switching button < >: press "<" to switch the sound effect from right to left and vice versa.

7. Autotune button: press the button to turn on/off the autotune. When
    ON, the LED lights up blue. When OFF, the LED lights off.

Note: The electronic sound and ducking function can not be used at the same time. After
    ducking function is turned on, turn on the electronic sound. The ducking function
    will be turned off and the relative LED lights off.

8. Autotune switching button < >: press "<" to switch the autotune from right to left
    and vice versa.

9. Major/minor switching button: set the switch to major for autotune major,
    and minor for autotune minor.

10. Wet recording/dry recording button: set it to wet recording to record the sound with
    effect, and dry recording to record sound without effect.

11. Squelch button: press the button to turn on/off the squelch function.
    When the function is on, the LED keeps lighting up green. The microphone shields
    picking the ambient noise. When the function is off, LED lights off. The microphone
    picks up real natural sound.

12. Duck button: press the button to turn on/off the duck function. When the
    functionis on, the LED lights up green. The background music volume goes down
    during speaking. This is suitable for chatting during live broadcast. When the
    function is off, the LED lights off.

Note: The autotune and duck function can not be used at the same time. If you need
    to use the duck function. Please switch to the sound effect mode, and then turn
    on the duck function.

13. Mix button: a.press this button to turn on/off the mix function. When the
    function is on, the LED lights up green. The music from accompaniment connector or
    PC can be sent to the person you speak to. When the function is off, the LED lights off.
    The accompaniment music can be heard by you.

    B.Keep pressing the mix button for 4 seconds to turn on or off the monitoring
    function. It defaults the factory setting that the monitoring function is turned on.
    Turning off the monitor function is suitable for online chatting or special
    Application.When the monitor function is turned on, it has the sound prompt
    "monitor on". When the monitor function is turned off, it has the
    sound prompt "monitor off", and you can not monitor the microphone sound.

Note: When it is used in free chatting mode on live broadcast platform,please disable
    the mix function, otherwise the platform has two sounds. In other modes, please
    enable this function, otherwise the accompaniment music will not be sent
    to the platform.

14. Microphone +/- button: totally 16 levels of microphone volume. Press "+" to
    increase the volume and vice versa. When the volume is adjusted to highest or
    Lowest,there is a sound "Dong".

MX1 Set LIVE BROADCAST SOUND CARD SET

15. Monitor +/- button: totally 16 levels of volume. Press "+" to increase the volume and vice versa. When the volume is adjusted to highest or lowest, there is a sound "Dong".

16. Recording +/- button: totally 16 levels of volume. Press "+" to increase the volume and vice versa. When the volume is adjusted to highest or lowest, there is a sound "Dong".

17. Host sound effect: totally 9 host sound effects. 6 of the 9 are fixed sound effects: applause, kiss, laugh, slap, contempt, crow. 3 are user defined sound effects: A. cheer, B. slightly laugh, C. machine gun sound. The sound effects can be selected freely. Refer to the Operation section for the details. Each effect has a LED. When the effect is selected, the relative LED flashes. After the effect ends up, the LED keep lighting up.

18. Power switch: it is used to turn on/off the sound card.

19. 48V switch: set it to ON to turn on the 48V power supply, and OFF to turn off the 48V power supply.

20. Microphone connector 1: XLR connector to link with condenser microphone which needs 48V power supply.

21. Microphone connector 2: it is used to link with microphone which has 3 .5mm connector.

22. Accompaniment connector: it is used to link with external audio source equipment to play accompaniment music during live broadcast.

23. Cell phone connector: it is used to link with live broadcast cell phone or tablet PC via audio cable.

24. USB interface: use micro USB data cable to recharge the sound card. Furthermore, it can link with PC USB interface for Karaoke or live broadcast.

25. Headphone connector: it is used to link with headphone or active speaker cabinet.

26. Headphone microphone connector: it is used to link with 3 .5mm headphone microphone. Both CTIA/OMTP microphones are compatible.

MX1 Set LIVE BROADCAST SOUND CARD SET

■ Operation

A. Download software

1. Download APP, e.g. Sing! Karaoke by smule, Yokee, The Voice: on stage, Red Karaoke, SingPlay from cell phone or PC APP market.
2. Or download APP from webpage. Please pay attention to the right version for cell phone or PC.

B. Cell phone Karaoke

Headphone

Headphone microphone

Sound card front panel

Condenser microphone

Cell phone

M/F XLR cable   Mini XLR cable   Audio cable

Female XLR to 3.5mm audio cable

Dynamic microphone

Sound card rear panel

1. Connect the headset with headset connector of the sound card.
2. Connect the cell phone microphone connector with the cell phone connector of the sound card via audio cable. If the cell phone has no microphone connector, use OTG adapter for the connection (buy OTG adapter additionally).
3. Connect the condenser microphone with the microphone connector 1 of the sound card. Then set the 48V switch of the sound card to ON position. If the microphone is dynamic, please connect with microphone connector 2 of the sound card. If it is a headphone microphone, connect with the headphone microphone connector of the sound card.
4. Turn on the sound card. Enable the cell phone Karaoke or live broadcast software.

21

MX1 Set LIVE BROADCAST SOUND CARD SET

C. Cell phone live broadcast

The second cell phone

The first cell phone

Accompaniment cell phone

Audio cable

Audio cable

Live broadcast cell phone

Some cell phone live broadcast APPs have no accompaniment function or it is in convenient to play accompaniment on the live broadcast cell phone. The sound card is designed with accompaniment connector to avoid the problem. One cell phone can be used for live broadcast, and the other for playing accompaniment.

1. Connect all the equipments well. Turn on the sound card.
2. Use audio cable to connect the second cell phone with the accompaniment connector of the sound card.
3. Use the first cell phone for live broadcast, and the second for playing accompaniment.

D．PC and cell phone live broadcast simultaneously

1. Connect all the equipments well. Turn on the sound card.
2. Use Micro USB data cable to connect the sound card with PC. The PC will identify the sound card and install the driver.

Cell phone

PC

Audio cable

Micro USB data cable

3. Set "TAKSTAR MX1 Audio" as the default equipment.
4. Turn on the PC and cell phone live broadcast software for PC and cell phone live broadcast simultaneously.

E. Outdoor Karaoke

Speaker cabinet   Cell phone

Audio cable

The connection of outdoor Karaoke is the same as that of the cell phone live broadcast.
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. User defined host sound effect

Download the user defined host sound effect software from TAKSTAR website.

a. The user defined sound effect software can download the sound effect in the software and save them to the sound card according to your requirement, e.g. if you want to save the sound effect "come to the stage" to button A of the sound card, the operation is as below:

1. Use the supplied micro USB data cable to connect with PC. Enable the sound effect software of MX1 sound card.

2. Use the mouse to right click "come to the stage", and select the item "save to device ", and then it has button A/B/C three items which are relative to A/B/C buttons of the sound card. If you need to save the sound effect to button A, then select button A. It displays the note "data transmission, please wait". The progress bar displays the progress. After saving the sound effect, the characters displayed disappear.

MX1 Set LIVE BROADCAST SOUND CARD SET

B. Function hotkey: if you want to use the hotkey on the keyboard to select the sound effect, that is more convenient without the need of using mouse to click the sound effect. The operation is as below:

1. Use the mouse to right click "come to the stage" sound effect, and select the item "set hotkey" (if this sound effect has been set shortcut key, then select "modify hotkey", and then press the relative key in the dialogue box "type in the hotkey", e.g. select F3, and then confirm it.

2. Use the mouse to right click "come to the stage" sound effect, and select the item "delete hotkey", and then the hotkey is deleted.

C. The customized sound effect function can load your preference sound effect file to software. The setting is as below:

1. Select "custom" item in the software, click "+" in the dialog box. Select the audio file saving route in the dialog box "select MP3 file". Select the audio file to be loaded and click "open".

2. Change the audio file name for less than 5 characters in the dialog box "modify name", and then click confirm button. The customized sound effect setting is finished.

ⅿ✕1 Set LIVE BROADCAST SOUND CARD SET

MX1 Set LIVE BROADCAST SOUND CARD SET

G. Recharging diagram

Charger   PC   Power bank

5V

Micro USB data cable

1. The sound card can be connected with power bank or PC USB or power adapter for charging.

Note: power adapter specification: DC 5V—1A; 5V—1.5A; 5V—2A

2. Press the sound card power switch. If the power LED does not light up, this means the sound card has low power. If only one section of the power meter lights up, this means the sound card has insufficient power. Please recharge in time.

3. During recharging, the power LED lights up one by one. This means the sound card is being recharged. After being recharged fully, the power meter lights up fully. If 5V DC is used for recharging, and current is 1.5A, it takes about 3h to recharge fully. After recharging fully, please stop it to avoid overcharging.

Note: for the first time operation, it is recommended to recharge the sound card fully. You can recharge during operation or after turning off the sound card. If the sound card will not be used for a long time, please recharge the sound card every half year to avoid over discharging.

MX1 Set LIVE BROADCAST SOUND CARD SET

■ 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 correctly with cell phone or PC.
2. Check if the headphone has connected correctly.
3. Check if the cell phone has played sound normally, or exit the software, turn on it to play again and check the result.
4. Check if the sound card volume has been decreased too much, try to increase the cell phone volume and check the result.
5. Check if the cell phone volume has been decreased too much, try to increase the cell phone volume and check the result.

C. The microphone sound can not be monitored
1. Check if the microphone or headphone has been connected successfully.
2. Check if the microphone is condenser and 48V switch is turned on.
3. Check if the microphone volume or monitor volume has been decreased too much. Try to increase the volume and check the result.
4. When 48V switch is set to ON, the sound card will automatically shield the headphone microphone sound to avoid that you hear the sounds of headphone microphone and the condenser microphone.
5. Please check if the monitoring function is turn off. Make sure to set the monitoring function is turned on.

D.The recorded sound has no effect
1. Check if wet listening & dry recording mode has been set to dry recording. If yes, the recorded sound has no effect.
2. If the cell phone or PC has been connected with the sound card correctly. Reconnect and try again .
3. If the recording cell phone has been connected with the accompaniment input connector. It will cause no effect of the recorded sound. Reconnect the recording cell phone with the cell phone connector of the sound card and try again.

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

1. If the cell phone or PC has been connected with the sound card correctly. Reconnect and try again.
2. Check if the recording volume has been decreased. Try to increase it and check the result.
3. Check if the microphone volume of the recording software is decreased too much, adjust the volume and check the result.

F. The headphone has feedback

1. Please check if the microphone or headphone microphone has been connected correctly.Reconnect and try again.
2. When the cell phone has monitor function, please disable the monitor function of APP.

G.PC live broadcast has two sound

In PC live broadcast 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.The ducking button does not work

When the effect is switched to electronic sound mode, the ducking function is closed.

MX1 Set LIVE BROADCAST SOUND CARD SET

■ Cautions

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. When the product needs to be installed on wall or ceiling, please fix it tightly to avoid dropping risk.
5. Please abide by safety rules during operation. Do not use the product in the place prohibited by regulation or law to avoid accident.
6. Do not disassemble or repair the product by yourself to avoid hurt. If you have question or need service, please contact the local dealer.

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（不包含港澳台地区）。

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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