

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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■ 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 $\overline{=}$ 1A

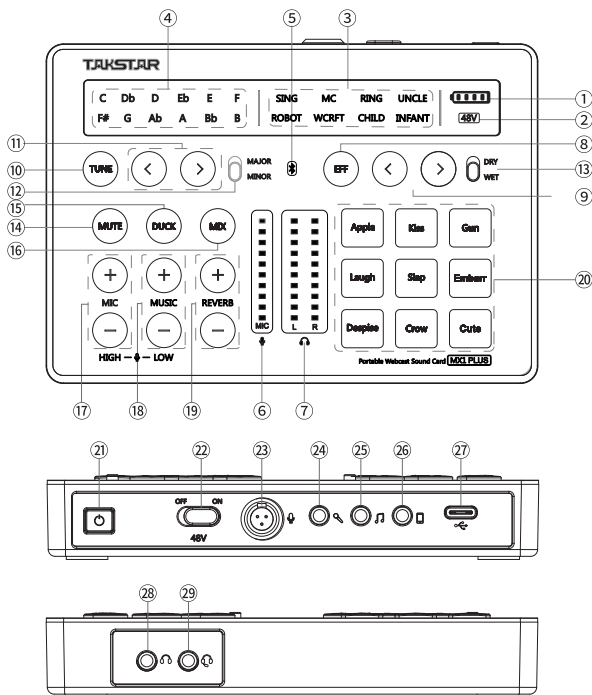
Battery Capacity: 2700mAh

Charging Time: approximately 4h

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

approximately 6h (when 48V turned on)

■ 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.

- ⑰ 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.
- 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 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.
- ⑳ 48V switch: set it to ON to turn on the 48V power supply, and OFF to turn off the 48V power supply.
- ㉑ Microphone connector 1: XLR connector to link with condenser microphone which needs 48V power supply.
- ㉒ Microphone connector 2: it is used to link with microphone (dynamic mic and power-free condenser mic) which has 3.5mm connector.
- ㉓ 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.

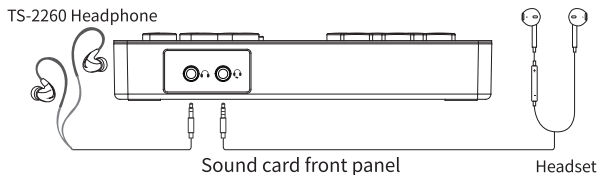
■ Operation instruction

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 headphone to the $\Phi 3.5\text{mm}$ headphone connector of the sound card.

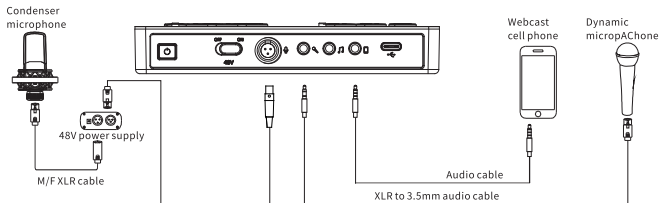


2. There are two ways to connect the sound card to the cell phone. One is the analog signal connection through the $\Phi 3.5\text{mm}$ connector, and the other is the digital signal connection through the Type-C connector. The recording quality and music sound quality of the digital connection are clearer and of more fidelity.
 - ① Connect the cell phone's $\Phi 3.5\text{mm}$ headset 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.

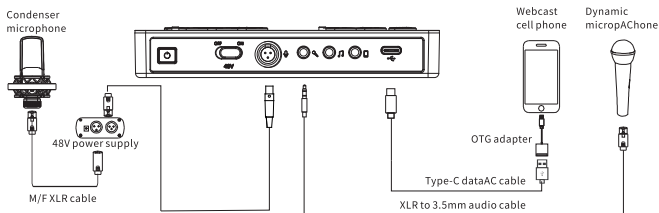
4. Turn on the sound card, and open Karaoke or webcast APP on the cell phone for use.

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

Φ3.5mm connection diagram



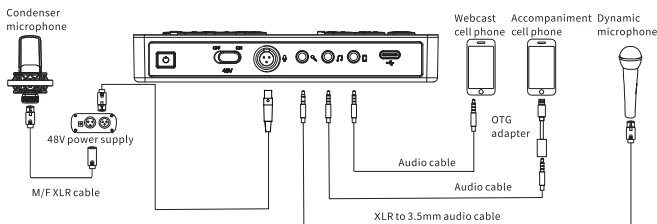
OTG connection diagram



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.

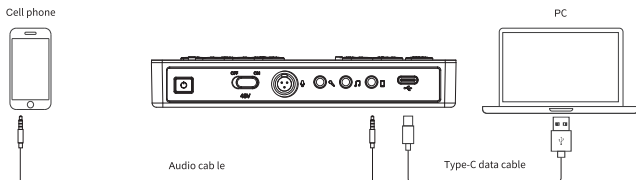
1. Connect relative equipment according to the way of cell phone Karaoke.
2. Connect the accompaniment cell phone to the accompaniment connector of the sound card via audio cable.
3. Turn on the sound card and the webcast APP. Then use the accompaniment cell phone to play accompaniment for your webcast.



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



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

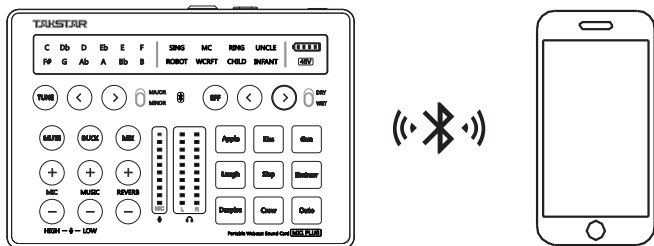
The connection of speaker cabinet Karaoke is the same as that of the cell phone Karaoke. Just change the headphone to the active speaker cabinet.

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.

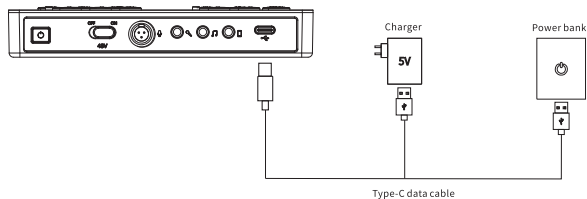
If the sound card is not compatible with the connected iPad/iPhone device, the iPad/iPhone will detect an incompatible USB device and display “unusable device ---- the connected USB device is not supported” . In newer versions of iOS, the device name is displayed after the connection. Due to different 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

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地址：广东省惠州市博罗县龙溪街道富康一路2号

Designed & Manufactured by:

Guangdong Takstar Electronic Co., Ltd.
Address: No.2 Fu Kang Yi Rd., Longxi Boluo
Huizhou,Guangdong 516121 China

得胜科声系列中国总代理

惠州音平电声科技股份有限公司 HUIZHOU INGPING ELECTROSONIC CO., LTD

地址：惠州市惠城区江北26号小区盛丰商务大厦1111
电话：+86 752 2072638 传真：+86 752 7213017
邮箱：ingping@ingping.com
网址：www.ingping.com

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