

TAKSTAR® 得胜

MX1 Pro

调音台式直播声卡 Mixer Webcast Sound Card



使用手册 User Manual

Preface.....	22
Features.....	22
Product contents.....	23
Applications.....	23
Compatibility.....	23
Specifications.....	24
Sound card specification.....	24
Battery specification.....	24
Connector specification.....	24
Function instructions.....	25
Operation instructions.....	29
I . Software download.....	29
II . Webcast/Karaoke.....	29
III. Connecting a cell phone (for accompaniment).....	31
IV. Simultaneous webcast via a PC and a cell phone.....	32
V . Karaoke via speakers.....	33
VI. Customizing host effects.....	34
VII. Bluetooth pairing.....	35
VIII. OTG compatibility mode.....	36
IX. Charging instructions.....	37
Troubleshooting.....	38
Safety instructions.....	39
Meanings of icons.....	41
About the manual.....	41

■ Preface

Dear Customer,

Thank you for purchasing TAKSTAR MX1 Pro Mixer Webcast Sound Card. Please read the user manual carefully before use and keep it for reference in future.

If you have any questions or suggestions, please contact our local dealer.

■ Features

- Tailored for entertainment webcast, influencer marketing webcast, Karaoke and recording, and suitable for smartphones, tablets and PC
- Built-in DSP digital chip, independent adjustment of REVERB, VOICE and RETUNE SPEED, easy operation
- Bluetooth playing function without the trouble of cable connection to play music more freely
- Adjustment knobs of treble and bass to meet the voice characteristics of different people
- OTG function for the MX1 Pro sound card to connect with a mobile phone via USB to realize high-definition, lossless recording and webcast
- Colorful and cool lighting control for you to switch the lighting effect through the lighting control button
- 8 sound effects for the host to use, 2 of which can be changed freely, thus making webcast more interesting
- Smart noise reduction to shield the microphone from picking up environmental noise, thus making singing noise-free
- One-button ducking function to automatically lower the background music when talking, suitable for webcast
- Supporting simultaneous webcast using two mobile phones and one computer, multi-platform webcast to attract fans
- Built-in high-capacity lithium battery for ultra-long life battery, and convenient to carry and use outdoors

■ Product contents

Sound card.....	1 pc
Audio cable (Φ3mm*1.2m).....	2 pcs
Type-C data cable (Φ4mm*1.2m).....	1 pc
6.3mm to 3.5mm plug.....	2 pcs
User manual.....	1 pc

■ Applications

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

Suitable for a variety of entertainment webcast APPs and influencer marketing platforms

■ Compatibility

Compatible with iOS, Android and windows

■ Specifications

Sound Card Specification

Data Transmission: USB2.0

Sample Rate: 48KHz/16bit

Frequency Response: 20Hz-20KHz ($\pm 3\text{dB}$)

THD: THD $<0.5\%$ 1KHz

Headphone Output Power: 167.7mW/32 Ω

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

Main Chip: DSP

Reverb Mode: Reverb

Autotune: 12 kinds of autotunes

EQ Processing: EQ

Net Weight: approx. 490g

Connector Specification

Audio Connector: Cell phone connector *2 ($\Phi 3.5\text{mm}$)

Accompaniment connector ($\Phi 3.5\text{mm}$)

Microphone connector 1 (XLR+ $\Phi 6.35\text{mm}$)

Microphone connector 2 ($\Phi 3.5\text{mm}$)

Headphone connector *2 ($\Phi 6.35\text{mm}$)

Data Connector: Type-C connector

Battery Specification

Battery Type: Li-ion battery

Charging: DC 5V $\pm 1.5\text{A}$

Battery Capacity: 4400mAh

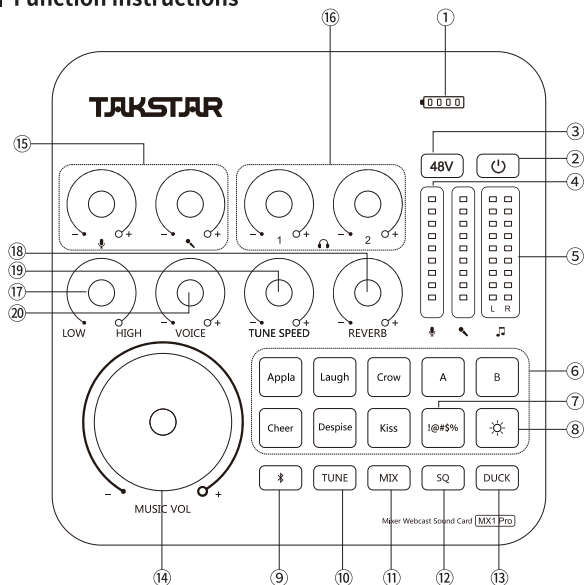
Charging Time: approx. 5h

Operation Time: approx. 8h(when 48V
is turned off)

approx. 6h(when 48V is turned on)

Note: The data is tested by Takstar Laboratory, and Takstar has the final interpretation right!

Function instructions



- 1 Battery LED:** The battery icon has four bars with each bar representing 25% power. When there is only one bar left, the battery LED lights up red, indicating that the sound card has insufficient power and needs to be charged in time. When the sound card is charging, the four bars light up one by one; when fully charged, all four bars light up.
- 2 Power button:** Long press it for two seconds to turn on or off the sound card. The power LED lights up blue when the sound card is turned on and lights off when the sound card is turned off.
- 3 48V switch:** Press it to turn on or off the 48V power supply. The 48V LED lights up blue when the 48V switch is turned on and lights off when the 48V switch is turned off.

- ④ Microphone volume LEDs: Display the microphone volume. During webcast, microphone volume LEDs light up dynamically based on the microphone volume.
- ⑤ Accompaniment volume LEDs: Display the accompaniment volume. During webcast, accompaniment volume LEDs light up dynamically based on the accompaniment volume.
- ⑥ Host special effects: There are totally 8 host special effects, six of which are fixed, including applause, laugh, crow, cheer, despise, and kiss. The other two effects of A and B are user-defined and subject to change based on personal preference. The methods of changing effects are written in details at the part of "Customizing host effects" on the user manual. The special effect starts to play when the corresponding button is pressed, and stops playing when the button is pressed again.
- ⑦ " !@#%\$ " Voice shielding button: When you do not want the other side to hear what you are saying, you can long press the button, and the microphone is muted when you hear a "beep" sound. The "beep" sound stops when you release the button, and the microphone picks up sounds again.
- ⑧ " * " Lighting control button: Press it to switch between multiple lighting modes: 7-Colors Cycle Mode, 7-Colors Constant Light Mode, 7-Colors Breathing Mode, etc.
- ⑨ Bluetooth button: Press it to turn on or off the Bluetooth function. For the methods of Bluetooth pairing, please refer to the "Bluetooth pairing" on the user manual.
- ⑩ TUNE button: Long press it to turn on or off the autotune function. When the autotune function is on, the TUNE LED lights up red; when the autotune function is off, the TUNE LED lights off. At the state of autotune, press the button to switch between the 12 autotunes with voice prompts. They are C, Db, D, Eb, E, F, F#, G, Ab, A, Bb, B.
- ⑪ MIX button: Press it to turn on or off the mixing function. When the mixing function is on, the MIX LED lights up, and the music played on the computer can be sent to the webcast room; when the mixing function is off, the MIX LED lights off, and the music played on the computer cannot be sent to the webcast room.

Note: When using the sound card in the free chatting mode of the webcast platform, please turn off the mixing function, otherwise there will be two sounds when people in the webcast room speak. Please turn on the mixing function in other modes, otherwise the accompaniment music played on the computer will not be sent to the webcast room.

⑫ SQ button: Press it to turn on or off the noise reduction function. When the noise reduction function is on, the SQ LED lights up orange, and it helps to prevent the microphone from picking up ambient noise; when the noise reduction function is off, the SQ LED lights off.

⑬ DUCK button: Press it to turn on or off the ducking function. When the ducking function is on, the DUCK LED lights up white, and the background music will be lowered automatically when people speak; when the ducking function is off, the DUCK LED lights off.

⑭ MUSIC VOL knob: Turn it clockwise to increase the accompaniment volume and turn it counterclockwise to decrease the accompaniment volume.

Note: The MUSIC VOL knob controls only the playback volume of the device connected via Bluetooth and a $\Phi 3.5\text{mm}$ accompaniment connector but not that of the device connected via a USB connector and a $\Phi 3.5\text{mm}$ cell phone connector. When a live streaming device or a playback device (a computer or a cell phone) is connected to the sound card via a USB connector and a $\Phi 3.5\text{mm}$ cell phone connector, the playback volume needs to be adjusted on the computer or the cell phone.

⑮ MIC VOL knobs 1/2: Control two ways of microphone volume respectively. Turn it clockwise to increase the microphone volume and turn it counterclockwise to decrease the microphone volume.

⑯ Headphone VOL knobs 1/2: Control two ways of headphone volume respectively. Turn it clockwise to increase the headphone volume and turn it counterclockwise to decrease the headphone volume.

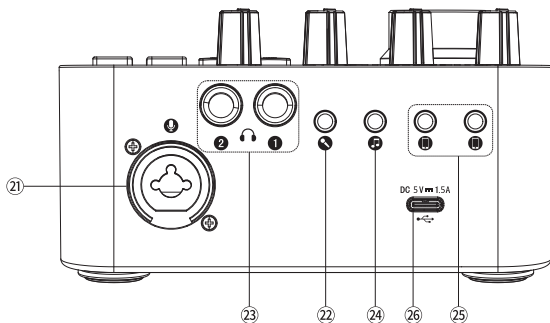
⑰ HIGH/LOW knob: Adjust the treble and bass of microphones. It starts in the middle position. Turn it clockwise starting in the middle position to increase the treble and

turn it counterclockwise starting in the middle position to increase the bass.

⑱ REVERB knob: Turn it clockwise to increase the microphone reverb and turn it counterclockwise to decrease the microphone reverb.

⑲ RETUNE SPEED knob: When the auto-tuning function is on, turn the knob clockwise to strengthen the auto-tuning effect and turn it counterclockwise to weaken the auto-tuning effect; when the auto-tuning function is off, the knob doesn't work.

⑳ VOICE knob: It starts in the middle position. Turn it clockwise starting in the middle position to sharpen the voice and turn it counterclockwise starting in the middle position to deepen the voice.



⑳ Microphone connector 1: One combined connector with XLR and $\Phi 6.35\text{mm}$. When the connected microphone needs 48V phantom power supply, please use the balanced XLR connector.

㉑ Microphone connector 2: Connect to a microphone with a $\Phi 3.5\text{mm}$ connector (a dynamic microphone or a power-free condenser microphone).

㉒ Headphone connector: Connect to headphones or active speakers.

㉓ Accompaniment connector: Connect to external audio equipment via an accompaniment cable, making it convenient to play accompaniment during the webcast.

⑳ Cell phone connectors 1/2: Connect to the cell phone or tablet for webcast or Karaoke via an audio cable. Two cell phone connectors are available for the simultaneous webcast via two cell phones or two tablets.

㉑ Type-C connector: Charge the sound card via a Type-C data cable. In addition, MX1 Pro also has a built-in digital chip that supports OTG function. It can connect to a computer or a cell phone via a Type-C data cable to achieve lossless digital transmission. The system automatically recognizes the sound card. Plug and play. For details, please refer to the "Operation instructions" on the user manual.

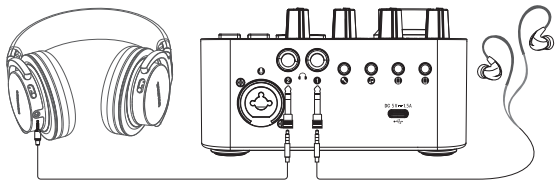
■ Operation instructions

I . Software download

1. Download various webcast apps or recording software in the APP market on your cell phone or computer;
2. Download the corresponding version according to the system of your cell phone or computer through the webpage.

II . Webcast/Karaoke

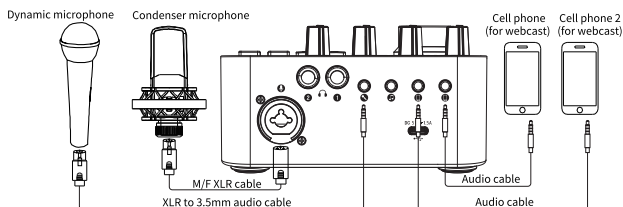
1. Plug the headphone into the $\Phi 6.35\text{mm}$ headphone connector on the sound card. If the headphone plug is of $\Phi 3.5\text{mm}$, then use the $\Phi 3.5\text{mm}$ to $\Phi 6.35\text{mm}$ plug delivered along with the sound card as the adapter.



Headphone connection diagram

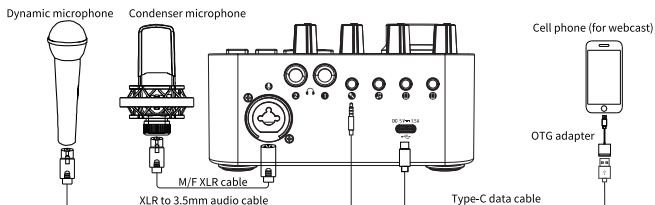
2. There are two ways to connect the sound card to the cell phone. One is the analog signal connection through the $\Phi 3.5\text{mm}$ connector, and the other is the digital signal connection through the Type-C connector. The recording quality and sound quality of the digital connection are of higher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

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



$\Phi 3.5\text{mm}$ connection diagram

② Connect the Type-C connector on the sound card to the data connector on the cell phone via a Type-C data cable. iPhones require relative accessories, and Android cell phones require a USB to Type-C adapter (buy both adapters additionally).



OTG connection diagram

3. Connect the condenser microphone to the microphone connector marked with the symbol "🎤" on the sound card through the M/F XLR cable and then turn on the 48V switch of the sound card. There is no need to turn on the 48V switch of the dynamic microphone. The power-free condenser microphone or dynamic microphone needs to connect to the microphone connector marked with the symbol "🎧" on the sound card.
Note: If the sound card is in use while charging, it is recommended to connect a power bank to charge the sound card. If it is connected to a power adapter for charging, the sound of electric currents may occur.
4. Turn on the sound card, and open the Karaoke or webcast APP on the cell phone for use.

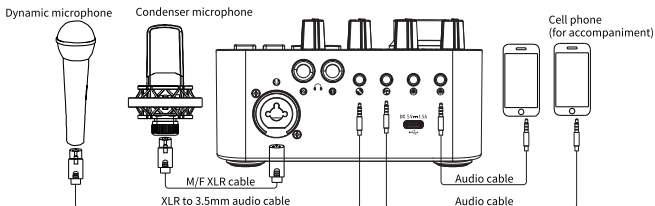
Note: It is recommended to use iPhone accessories or an original Type-C adapter, otherwise there will be a compatibility problem.

III. Connecting a cell phone (for accompaniment)

To address the problem that some webcast APPs don't have the accompaniment function or it is inconvenient to play accompaniment on the cell phone (for webcast), an accompaniment connector is added on the sound card to meet the needs of using one phone for webcast and the other for accompaniment.

1. Make sure relevant devices are connected for the Karaoke on a cell phone;
2. Connect the second cell phone to the accompaniment connector on the sound card through an audio cable;

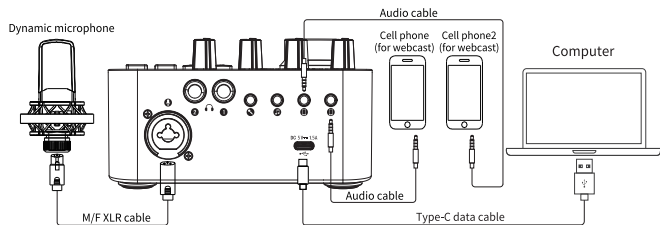
3. Turn on the sound card, open the webcast APP, and play accompaniment through a cell phone (for accompaniment) for the webcast.



Cell phone (for accompaniment) connection diagram

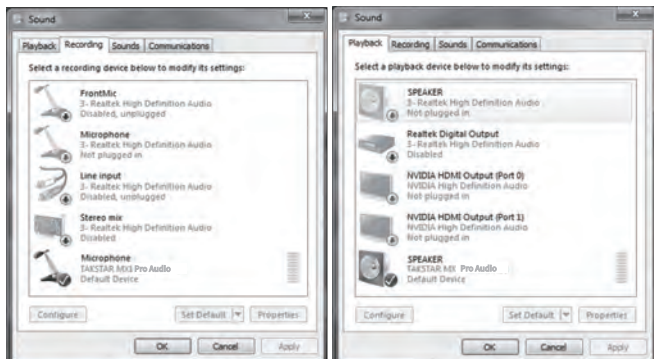
IV. Simultaneous webcast via a PC and a cell phone

1. Make sure relevant devices are connected for mobile Karaoke;



Computer connection diagram

2. Connect the sound card to the USB interface on the computer through a Type-C data cable, and the computer will identify the sound card and install the driver automatically;
3. Set "TAKSTAR MX1 Pro Audio" as the default device;
4. Turn on the sound card, and open the webcast software on the computer and the cell phone at the same time to realize the simultaneous webcast on both devices.



V. Karaoke via speakers

The method of connecting speakers for Karaoke is the same as that of connecting cell phones for Karaoke. You just need to replace headphones with active speakers.

Note: To avoid the feedback caused when connecting active speakers for Karaoke, it is recommended to use dynamic microphones instead of condenser microphones. In addition, make sure the microphone cartridge face away the active speakers and keep a proper distance to decrease the microphone volume or the output volume of the active speakers.

VI. Customizing host effects

The software for customizing host effects can be downloaded from the service support page of Takstar's official website.

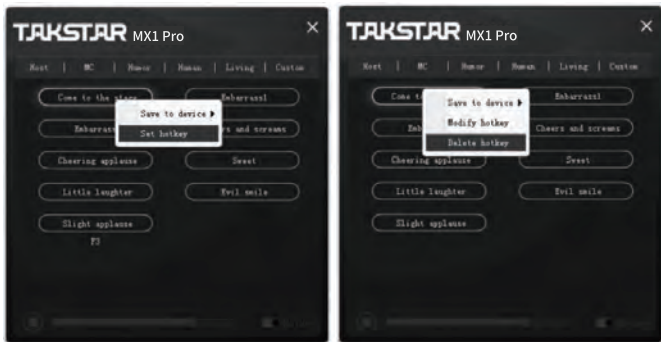
A. You can add and store the sound effects from the software on the sound card based on your needs. For example, if you would like to add the "Entry sound effect" from the software to the button A on the sound card, you can do the following.

1. Connect to a computer via a Type-C data cable, and open the software for customizing host effects on the MX1 Pro sound card.
2. Right-click the "Entry sound effect", select "Loading a device", and then there are two options of button A and button B, corresponding to the two buttons A and B on the sound card. We need to add the special effect to the button A, so we select "Button A". There is a text prompt "Data transmitting, please wait" and a progress bar reminding the loading progress. The loading of the sound effect is completed after the text prompt disappears.



B. Hotkey (shortcut key) function. You can click the button on the computer keyboard to play the sound effect, instead of clicking the sound effect with the mouse, which is more convenient. For example, if you would like to set a shortcut key for the "Entry sound effect", you can do the following.

1. Right-click the "Entry sound effect" and select the "Set a hotkey" option; if the sound effect has been set with a shortcut key, select "Modify a hotkey", press the corresponding key in the dialog box of "Please enter a hotkey", and then press "Confirm".
2. Right-click the "Entry sound effect" and select the "Delete a hotkey" option to remove the shortcut key of the sound effect.



VII. Bluetooth pairing

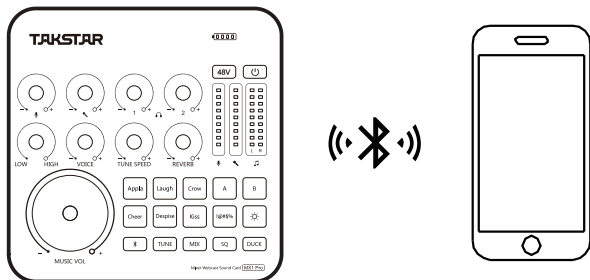
If it is your first time to use Bluetooth, you need to pair the Bluetooth according to the below steps.

1. When the sound card is turned on, press the Bluetooth button, and then the Bluetooth indicator flashes blue, indicating that the Bluetooth is searching for pairing status;
2. Enter the "Settings" menu of the cell phone, find the Bluetooth function option, and turn it on. After searching for "TAKSTAR MX1 Pro", click "TAKSTAR

MX1 Pro" to connect. When the Bluetooth indicator returns to steady blue, it means the Bluetooth connection is successful.

3. Next time you turn on the Bluetooth function, if the sound card has been connected to Bluetooth once, it will automatically connect back.

4. When the Bluetooth connection is successful, press the Bluetooth button to disconnect it.



VIII. OTG compatibility mode

MX1 Pro sound card can be directly connected to iPad/iPhone via USB to realize high-definition lossless recording, webcasting, 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 you to purchase an original Apple camera kit. If the iPad or iPhone is equipped with a protective case on the rear panel, the camera kit plug may be improperly inserted or poorly connected. If this problem occurs, please remove the protective case.

In newer versions of iOS, the device name will be displayed after connection. If the sound card is incompatible with the connected iPad or iPhone device, the iPad or iPhone will detect an incompatible USB device and display the prompt message "Unusable device. The connected USB device is not supported".

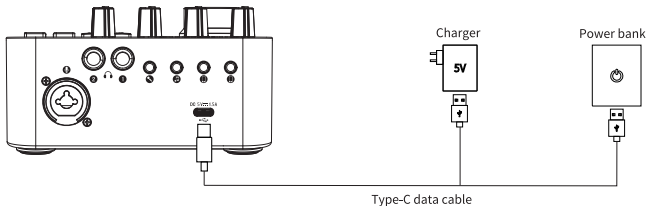
Or due to different iOS versions, there may be problems that some APPs cannot be used, or the recording is only recorded in a single channel.

Note: MX1 Pro sound card can also be compatible with some Android phones via USB. Due to the excessive number of Android phone brands and system versions on the market, what models are compatible with the sound card depends on the actual application. You can test it yourself.

IX. Charging instructions

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

Note: When using it for the first time, it is recommended to fully charge it; if it is not used for a long time, charge the sound card once every six months to avoid over-discharge of the battery and avoid affecting the battery performance.



■ Troubleshooting

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

Check if the sound card has sufficient power. If not, charge it and try again.

II . 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.

III. 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.

IV. 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 effects. If so, reconnect the recording cell phone to the cell phone connector on the sound card and try again.

V . 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.

VI. 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.

VII. There are two sounds during the webcast on a PC.

In the free chatting mode, the mixing function will send the sound from the other side to you and then to the webcast room. This leads to two sounds in the webcast room. Please disable the mixing function in the free chatting mode.

VIII. There are two sounds during the webcast on a cell phone.

1. Some webcast APPs do not have the monitor function, which causes two sounds during the webcast. When webcast APPs do not have the monitor function, the cell phone volume should be minimized.

2. When using the OTG function of the sound card to connect to a cell phone for a webcast, please turn off the mixing function of the sound card.

■ Safety instructions

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 before using the 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. The 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 product, use a soft dry cloth and do not use paint thinners, solvents, cleaning fluids or rags soaked in chemicals.

6. When using the product, you must abide by relevant safety regulations.

Please do not use the product on occasions that are 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 the local dealer for the follow-up. Unauthorized disassembly, refit or repair of the product may result in the loss of the warranty service provided by Takstar.

8. Please use the accessories specified by the manufacturer.

■ Meanings of icons



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 the manual

The contents of this manual comply with the technical specifications as of the date of printing. Since Takstar continues to improve its products, this manual may not meet the technical specifications of your specific product. To get the latest version of the manual, please visit Takstar's official website and download the manual file. Technical specifications, equipment, or accessories (sold separately) may vary from region to region. If you have any questions, please check with the local dealer. For more information, please visit our website: <https://www.takstar.com/>.

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

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）。



扫一扫，了解更多产品
Scan for more
product information

**广东省电声工程技术研究开发中心
广东得胜电子有限公司制造**

地址：广东省惠州市博罗县龙溪街道富康一路2号
服务热线：400 6828 333 传真：0752-6383950
邮箱：xs@takstar.com
网址：www.takstar.com

Guangdong Takstar Electronic Co., Ltd.
Address: No. 2 Fu Kang Yi Rd., Longxi Boluo
Huizhou, Guangdong 516121 China
Tel: 86 752 6383644 Fax: 86 752 6383952
Email: sales@takstar.com
Website: www.takstar.com

GB/T 8898-2011
GB/T 12060.3-2011
9TX1PROS1C