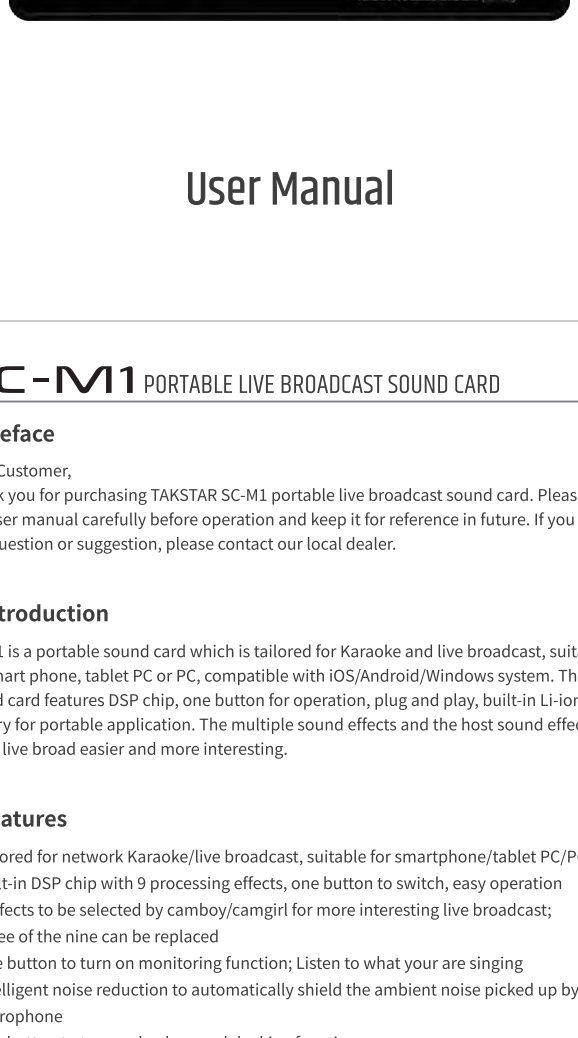


## SC-M1 PORTABLE LIVE BROADCAST SOUND CARD



### User Manual

## SC-M1 PORTABLE LIVE BROADCAST SOUND CARD

### Preface

Dear Customer, Thank you for purchasing TAKSTAR SC-M1 portable live broadcast sound card. 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

SC-M1 is a portable sound card which is tailored for Karaoke and live broadcast, suitable for smart phone, tablet PC or PC, compatible with iOS/Android/Windows system. This sound card features DSP chip, one button for operation, plug and play, built-in Li-ion battery for portable application. The multiple sound effects and the host sound effects make live broadcast easier and more interesting.

### Features

- 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 recording function; Listen to what you 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 connector live broadcast
- Built-in Li-ion battery for more than 8h operation; charging during operation

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## SC-M1 PORTABLE LIVE BROADCAST SOUND CARD

### Product Content

SC-M1 sound card	1pc
Audio cable (Φ3mm*1.2mm)	2pc
Micro USB data cable (Φ4mm*1.2m)	1pc
Mini XLR cable (Φ4mm*0.5m)	1pc
User manual	1pc

### System Compatibility

Compatible with iOS, Android, windows system

### Application

Cell phone/tablet PC/PC: Karaoke, live broadcast, recording  
Suitable APP: Sing! Karaoke by smule, Yokee, The Voice: on stage, Red Karaoke, SingPlay

### Specification

**Sound Card Specification**  
Data Transmission: USB2.0  
Sample Rate: 48kHz/16bit  
Frequency Response: 20Hz-20kHz (±3dB)  
THD:<0.5% 1kHz  
Headphone Output Power: 167.7mW/32Ω  
Headphone S/N Ratio: 88dB (A-Weighted)  
Main Chip: DSP  
Reverb Mode: Reverb  
Autotune: 24 kinds of Autotunes  
Digital EQ: EQ adjustment  
Product Dimension: 142\*98\*22mm (L\*W\*H)  
Net Weight: approx 300g

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## SC-M1 PORTABLE LIVE BROADCAST SOUND CARD

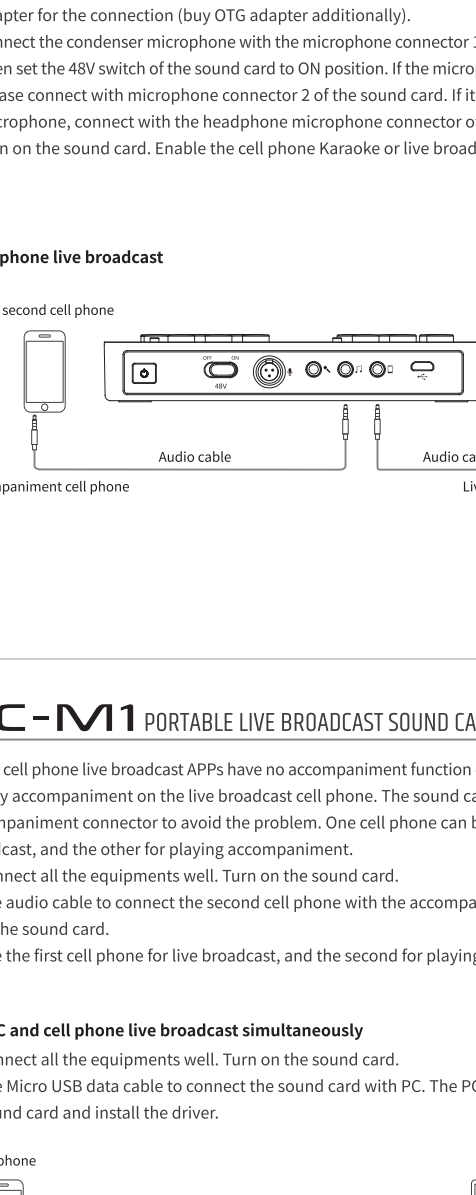
### Battery Specification

Battery Type: Li-ion battery  
Charging: USB 5V/1.5A  
Battery Capacity: 2700mAh  
Operation Time: approximate 10h (when 48V turned off)  
approximate 8h (when 48V turned on)

### Connector Specification

Audio Connector: cell phone connector (3.5mm),  
accompaniment connector (3.5mm)  
Microphone Connector: microphone connector 1 (Mini XLR),  
microphone connector 2 (3.5mm)  
headphone connector (3.5mm), headphone microphone connector(3.5mm)  
Power Connector: Micro USB interface

### Function Instruction



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- 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.
- 48V LED: set 48V switch to ON, the LED keeps lighting up red, and to OFF, the LED lights off.
- 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.
- 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.
- 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.
- Sound effect switching button <->: press "e" to switch the sound effect from right to left and vice versa.
- 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.
- Autotune switching button <->: press "c" to switch the autotune from right to left and vice versa.
- Major/minor switching button: set the switch to major for electronic sound major, and minor for electronic sound minor.
- Wet recording/dry recording button: set it to wet recording to record the sound with effect, and dry recording to record sound without effect.
- Noise reduction button: press the button to turn on/off the noise reduction 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.
- Ducking button: press the button to turn on/off the ducking function. When the function is 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 ducking function does not work in electronic sound mode. You can hear the sound "Dong" if you press the ducking button.

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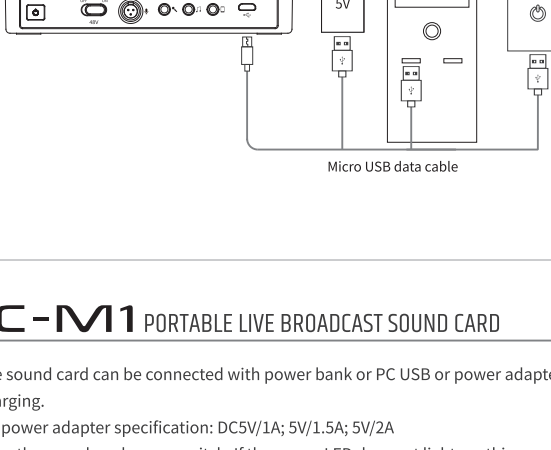
## SC-M1 PORTABLE LIVE BROADCAST SOUND CARD

- Mixing button: press this button to turn on/off the mixing 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 will not be heard by you.
- Note: during free chatting, please disable the mixing 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.
- 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".
  - 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".
  - 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".
  - 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.
  - 48V switch: set it to ON to turn on the 48V power supply, and OFF to turn off the 48V power supply.
  - Microphone connector 1: XLR connector to link with condenser microphone which needs 48V power supply.
  - Microphone connector 2: it is used to link with microphone which has 3.5mm connector.
  - Accompaniment connector: it is used to link with external audio source equipment to play accompaniment music during live broadcast.
  - Cell phone connector: it is used to link with live broadcast cell phone or tablet PC via audio cable.
  - 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.

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- Headphone connector: it is used to link with headphone or active speaker cabinet.
- Headphone microphone connector: it is used to link with 3.5mm headphone microphone. Both CTIA/OMTP microphones are compatible.



### Operation

#### A. Download APP

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

#### B. Cell phone Karaoke

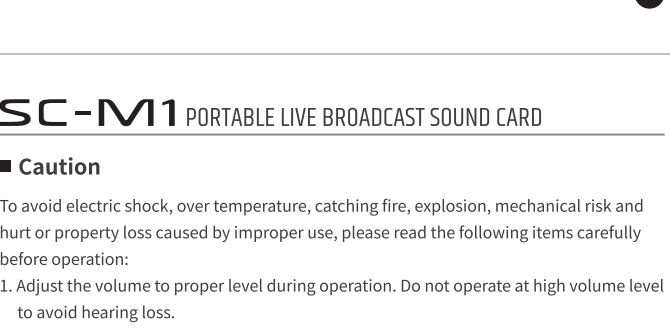


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- Connect the cell phone with the sound card rear panel of the sound card.
- Connect the cell phone microphone connector with the cell phone connector, use OTG adapter for the connection (buy OTG adapter additionally).
- Connect the condenser microphone 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.
- Turn on the sound card. Enable the cell phone Karaoke or live broadcast software.

#### C. Cell phone live broadcast



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Some cell phone live broadcast APPs have no accompaniment function or it is inconvenient 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.

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

#### D. PC and cell phone live broadcast simultaneously

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



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## SC-M1 PORTABLE LIVE BROADCAST SOUND CARD

- Turn "TAKSTAR SC-M1 Audio" as the default equipment.
- Set on the PC and cell phone live broadcast software for PC and cell phone live broadcast simultaneously.

#### E. Outdoor Karaoke



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.

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#### 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:

- Use the supplied micro USB data cable to connect with PC. Enable the sound effect software of SC-M1 sound card.
- 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 is being transmitted, Please wait". The progress bar displays the progress. After saving the sound effect, the characters displayed disappear.



b. 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:

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- 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 dialog box "Type in hotkey", e.g. select F3, and then confirm it.)
- Use the mouse to right click "Come to the stage" sound effect, and select the item "Delete hotkey", and then the shortcut key is deleted.



#### G. Recharging diagram



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- The sound card can be connected with power bank or PC USB or power adapter for charging.
- Note: power adapter specification: DC5V/1A; 5V/1.5A; 5V/2A

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 be recharged 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.

### Trouble Shooting

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

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

#### B. No sound when playing music

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

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#### C. The microphone sound can not be monitored

- Check if the microphone or headphone has been connected successfully.
- Check if the microphone is condenser and 48V switch is turned on.
- Check if the microphone volume or monitor volume has been decreased too much. Try to increase the volume and check the result.
- 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.

#### D. The recorded sound has no effect

- Check if wet listening & dry recording mode has been set to dry recording. If yes, the recorded sound has no effect.
- If the cell phone or PC has been connected with the sound card correctly. Reconnect and try again.
- 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

- If the cell phone or PC has been connected with the sound card correctly. Reconnect and try again.
- Check if the recording volume has been decreased. Try to increase it and check the result.
- 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

- Please check if the microphone or headphone microphone has been connected correctly. Reconnect and try again.
- 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.

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### Caution

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:

- Adjust the volume to proper level during operation. Do not operate at high volume level to avoid hearing loss.
- 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.
- 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.
- When the product needs to be installed on wall or ceiling, please fix it tightly to avoid dropping risk.
- Please abide by safety rules during operation. Do not use the product in the place prohibited by regulation or law to avoid accident.
- Do not disassemble or repair the product by yourself to avoid hurt. If you have question or need service, please contact the local dealer.
- Only use the supplied power adapter or equivalent. The applicable altitude and climate condition of this product is subject to the power adaptor, the meaning of the power adaptor icons is as below:



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Scan for more product information

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