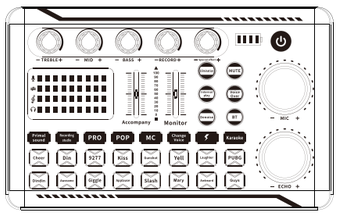
Live Sound Card User Manual



I. Product profile

Hello, dear customer. Thank you for buying our products.

Before formal use, please read the manual carefully to ensure the correct use of this product and the proper preservation of the manual for future use. This product is a professional singing live mixer, built-in digital DSP chip: support all live broadcast platform, support mixing switch, simple input mute control, reverberation melodies, text quality shouting wheat, special effect sound, TYPE-C computer connection, perfect to solve the diverse needs of mobile phone and computer live users!

II. Packaging list host

Sound card	x1
Data line	x1
Live line	x2
Product description product	x1
Certificate	x1

III. System requirements

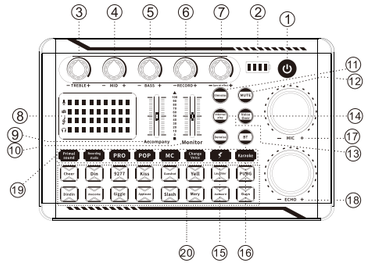
Android、IOS、Windows are fully compatible

IV. Software support

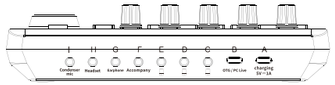
Sing APP: national Kou, cool I sing, KuGou music, Baidu music, sing bar, sing and so on.

Live broadcast APP: Reflecting guests、Pepper、YY、Douyu、The whole people TV、Kuaishou、panda TV、TikTok、Tiger teeth and so on.

V. Schematic diagram of the mainframe



1. Power supply: Press the power key for three seconds to switch on, turn on the working indicator white,
2.Electricity : Displays the power, and can know the power usage status of the sound card when using it
3. TREBLE: Adjust microphone treble: rotate the treble to the left and strengthen the treble to the right.
4. Mid: Adjust the microphone midtone; rotate the middle tone to the left and strengthen the middle tone to the right.
5. BASS: Adjust the simple bass: rotate the bass to the left and strengthen the bass to the right.
6. Record: Adjust the volume of the recording, and there will be corresponding changes in the broadcast room.
7.Special effect:Adjust the volume of special effects
8.Indicator light: Volume (microphone volume, accompaniment volume, listening volume, recording volume, special effect volume, reverberation volume) adjustment indicator.
9. Accompany: Adjust the volume of the accompaniment, and the accompaniment indicator will change accordingly.
10. Monitor: Adjust the volume of the monitor, and the monitor indicator will change accordingly.
11. Elimination: When turned on, the voice in the computer or external accompaniment and Bluetooth accompaniment will be eliminated: the voice in the accompaniment will be retained when turned off; (stereo sound source is required).
12. MUTE: When turned on, the sound input from the microphone and headset can not be listened to, and the sound of accompaniment, special effect sound and live room sound is normal.
13. Internal play: The sound played by the computer can be recorded back to the computer when it is turned on, and the sound played by the computer can only be heard when it is turned off, but can not be recorded back to the computer.
14. Voice Over: When turned on, highlight the voice of the person, the music will become smaller with it, and the music will be balanced with the voice when it is turned off.
15. Denoise: Reduce the noise of the external environment when turned on, so that the live broadcast and singing are not disturbed by the outside noise.
16. Bluetooth: When it is turned on, the indicator light flashes, and the device is turned on to search for FRJ-F998 for connection. After connection, the Bluetooth indicator light is always on, and it can be used normally.
17. MIC: Adjust the volume of the microphone, and the light will change accordingly.
18. ECHO: Adjust the reverberation volume and the reverberation indicator will change accordingly.
19. Primal sound: Scene mode, the indicator light indicates that it has been switched to this mode.
19. Karaoke: Scene mode, the indicator light indicates that it has been switched to this mode.
19. change voice: Scene mode, the indicator light indicates that it has been switched to this mode.
19. Electric sound: Scene mode, the indicator light indicates that it has been switched to this mode.
19. PRO: Scene mode, the indicator light indicates that it has been switched to this mode.
19. POP: Scene mode, the indicator light indicates that it has been switched to this mode.
19. MC: Scene mode, the indicator light indicates that it has been switched to this mode.
19. Recording studio: Scene mode, the indicator light indicates that it has been switched to this mode.
20. kinds of sound effects:cheer、Din、9277、Kiss、Gunshot、Yell、laught、Awesome、Dindin、PUBG、Giggle、Applause、Slash、Mary、Awkward、Guys.



A、Charging: This interface can charge the sound card, use a regular 5V charging head, and use the machine's data cable or regular charging cable to charge the machine .

B、OTG/ computer: For live computer broadcast.

C/D/E: Live broadcast: Connect to mobile phone live broadcast、recording、singing.

F、Accompany:The accompaniment line connected to the 3.5mm plug.

G、Earphone: Headphones connected to 3.5mm plugs.

H、Headset: The headset connected to the 3.5mm plug.

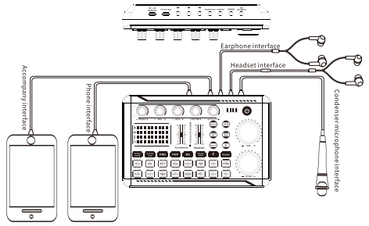
I、Condenser mic : capacitor wheat connected to 3.5mm plug.

VI. Specification parameters

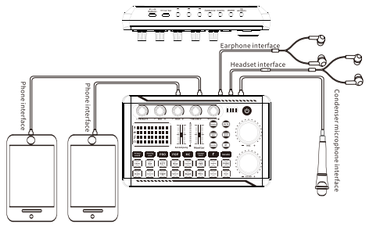
Specification parameter			
Channel system	Output sampling rate	Sampling bits	Use scene
Double channel	44.1KHZ	16bit	Home Outdoor
Weight	Knob	Button	Size
380g	7 piece	31 piece	188X137X49mm
Indicator	Push button	USB and live interface	Audio interface
72 piece	2piece	Digital communication / charge / live accompaniment	Accompaniment, musical instrument, earphone, headset, condenser microphone
Main battery specification			
Capacity	Electricity consumption	Charging voltage	Charging current
1200mAh	220mA	DC 5V	1A

VII. Seven, schematic diagram of the connection process

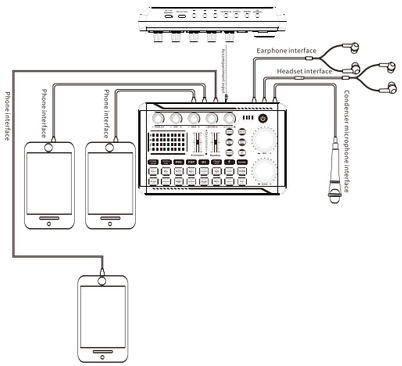
1.Mobile phone recording, live broadcast



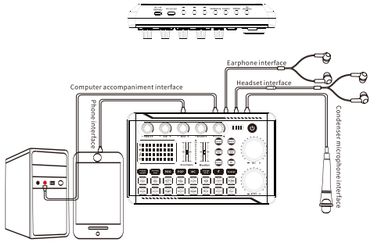
2. Dual mobile phone live broadcast



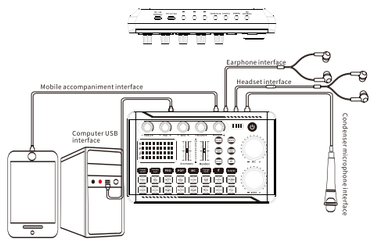
3.Three mobile phones live simultaneously



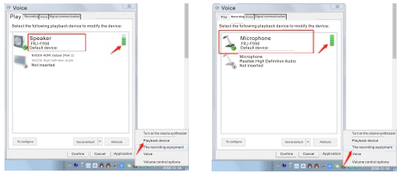
4. Mobile phone live computer accompaniment



5. Computer live broadcast



VIII. Computer accompaniment and computer live debugging diagram

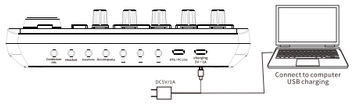


After the sound card is connected to the computer and the computer has recognized the sound card

(1) connect the computer to the host computer with the TYPE-C cable, click the small horn in the lower right corner of the computer, and right-click to open the "playback device". If the loudspeaker shows "FRJ-F998" and is the default device, that is, the sound card driver has been installed successfully and has been recognized by the computer.

(2) Computers or other devices that support OTG function and standard USB protocol all support connection with sound card.

IX. Charging connection



X. Bluetooth connection

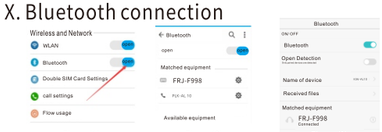


Figure (1) Figure (2) Figure (3)

1. Turn on the Bluetooth of the mobile phone, as shown in Figure (1);
2. The phone will automatically detect the available equipment around, as shown in Figure (2);
3. After the Bluetooth device "FRJ-F998" is detected, click to start pairing, and it will be successful in about 10 seconds. The monitor earphone on the sound card will prompt "Bluetooth is connected", as shown in Figure (3), then you can select music Send to the sound card via Bluetooth as accompaniment music.

XI. Frequently Asked Questions

1	Can not boot 1. Check whether the power supply is set to the "1" position. 2. Check whether the battery is low or not. You can try to charge the sound card for 20 minutes before turning it on.
2	No sound from monitoring and recording When using a sound card, right-click on the small speaker at the bottom right of the computer and set "FRJ-F998" as the default recording device and playback setting.
3	Monitor without reverb 1. Check whether it is currently in acoustic mode. 2. Check whether the reverberation volume of the host is adjusted to the minimum.
4	The accompaniment is intermittent and the human voice is normal Check whether the ducking function is turned on. When the ducking is turned on, the accompaniment sound will be reduced when there is sound input from the microphone. When there is no sound input from the microphone, the accompaniment sound will return to normal.
5	Howling Check if the earphone and the microphone are too close, because the microphone is more sensitive, when the earphone or earplug is too close to the capsule, it is easy to produce howling.
6	After finishing the recording, no one's voice only accompaniment 1. If the microphone mute is turned on during recording, check whether the microphone volume is adjusted to the minimum during playback. 2. During the meeting, if the first case is ruled out, check whether the original elimination is turned on.
7	Cannot input sound through the headset interface 1. Check whether the microphone is connected at the same time. When the headset and microphone are connected at the same time, the headset can only monitor. 2. Check if the headset is broken. If you can record or hear the sound, it means that the sound card is successfully connected to the device and you can use it with confidence.

XII. Matters needing attention

1. Since iphone7/8/ and a small number of Android phones have only charging holes, they need to bring their own headphone conversion lines for use.
2. Pay attention to waterproof, fire prevention, dust prevention, fall prevention, earthquake protection.
3. Please turn off the power supply when it is not in use and store it in a dry and ventilated place.
4. Before charging the sound card, pay attention to the appropriate voltage of the charger (adapter output 5 V DC charger).
5. To ensure the best experience, please use the original audio cable and charging line.
6. Charge the sound card regularly to avoid permanent damage to the battery due to overdischarge of the battery.
7. When live broadcast, the volume of live broadcast and accompaniment mobile phone or computer should be adjusted to the right place, in case there is no sound between live broadcast or recording, do not put live broadcast mobile phone and live broadcast phone in the same area to prevent sound recording back.
8. The sound card is a built-in lithium battery, the battery composition due to the surrounding temperature changes, please do not use in an environment where the temperature is too low and too high, otherwise it will cause permanent damage to the battery.
9. No unauthorized disassembly and modification shall be carried out, and any functional and safety problems arising therefrom shall be borne by the user.
10. All mobile phones have done it in the singing process: after the section (turn off the ear back), the recorded sound must be adjusted back to the appropriate size when the recording is completed, otherwise the recorded sound will not be heard during the tuning process.

▲: Warning: this product with lithium batteries shall not be exposed to conditions such as sunshine baking or similar overheating.

XIII. Analysis of relevant knowledge

1. The basic functions of the sound card are two, one playback (the sound heard by the local playback): the second is the recording (the process of storing or transmitting the audio signal of the recording channel locally or on the network through recording, chat, or singing software).
2. When singing, the size of the voice should be adjusted slightly larger than that of the accompaniment.
3. In the reverberation effect, the original sound is called dry sound (DRY) reverberation effect is called wet sound (WET) should use the appropriate reverberation effect when singing, so that the dry sound of the song is clear and the wet sound is properly dyed.
4. Different microphone sound characteristics are quite different:
(1) Capacitance meter wind generally has a high degree of balance, fidelity, details are rich, listening feeling is more natural, it is not suitable to put the microphone as far as the mouth, can be placed near the front of the chin, the well to maintain a distance of 5-10 cm, in order to obtain better human sound frequency response and sound pressure, appropriate distance can make the sound more natural and clear, it is best to use with high sealing listening headphones.
(2) the moving ring microphone is more prominent in middle and low frequency and thick sound, but the sensitivity is not high and the details are lacking.

CPZ.208F998XE F998说明书/英文印刷/6页双面印刷/尺寸S=100x70mm

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception,
which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different
from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.
The device has been evaluated to meet general RF exposure requirement. The device can be u sed in portable exposure condition without restriction