

X5 Sound Mixer

User Guide



One-stop Mixer Console

For Streaming and Podcast On Computer & Mobile Devices

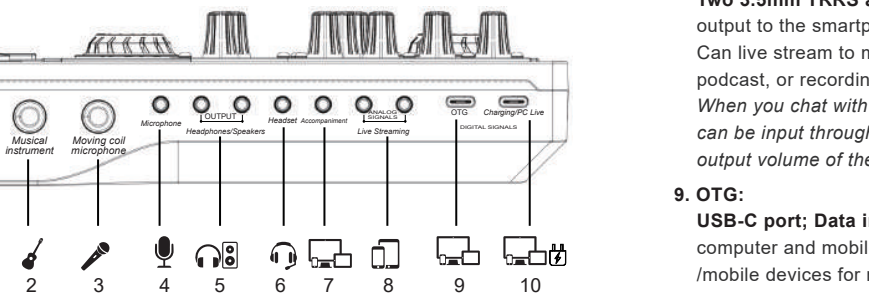
Product Overview

The X5 mixer is a multi-channel beginner audio mixer, provides an onboard, easy-to-use, all-in-one audio solution for online live streaming, podcast, gaming... It is an entertainment sound mixer, so its audio quality is not as professional as professional audio mixer, audio interface, or dj mixer.

It features a compact structure, built-in LED screen, 2 large rotary adjustment knobs with RGB lighting effect, 8 conventional rotary adjustment knobs, and 29 keys. Easy to adjust, customize, and control your audio, such as 3-band EQ, reverbs, and more. It streamline the control over your audio mixing, no fiddly software, no complex and cumbersome process, no need long time learning curve, and hard-ware-controlled adjustment to all of audio and effects effortless.

The X5 features 11 audio jacks, provides enough channels to accommodate your most home devices. Built-in a XLR(3-pin), a 1/4", a 1/8", etc. microphone jacks, allows you use your different type microphone, and a 3.5mm TRRS jack for headphone microphone input and real-time monitoring. Moreover, Built-in one USB-C jack and two 3.5mm TRRS jacks to output your computers, tablets, smartphones and more, it is compatible with iOS, Android, Windows, etc system, no need worrying about the compatibility.

X5 Rear Panel



- 1. 48V XLR Mic:**
48V condenser microphone input port; 48V phantom power for condenser mic through the 48V key. the input volume is controlled by "Total Mic Volume" knob.
- 2. Musical instrument:**
6.35mm port. Connect 6.35mm musical instrument devices. Controlled by "Musical instrument" knob.
Tips: The 6.35mm dynamic mic can input audio through this port, but effects such as reverb, EQ, voice changing, etc., can not have an effect on this channel.

3. Moving coil microphone:

6.35mm dynamic mic input port. controlled by "Total Mic Volume" knob.

4. Microphone:

3.5mm TRS mic port. Connect a (XLR to 3.5mm) condenser microphone; Controlled by "Total Mic Volume" knob.

5. Headphones/speakers:

Two 3.5mm ports; used for monitoring all sound resources of the mixer in real time. Supports TRS/TRRS headphone. Controlled by "Monitoring" knob.

6. Headset:

3.5mm TRRS port. Connect a headphone mic. used for vocals input via headset, and also can real-time monitor all sound sources simultaneously. The monitoring volume is controlled by "Monitoring" knob; The input volume is controlled by "Total Mic Volume" knob.

7. Accompaniment:

3.5mm music resources input port; Connect an external audio source or devices to the mixer via a 3.5mm audio cable, to playback the background music during streaming or recording. Can be connected to the smartphone 3.5mm jack, PC earphone jack. the input volume is controlled by "Accompaniment" knob.

8. Live Streaming:

Two 3.5mm TRRS analog output ports; By the port, the mixed audio can be output to the smartphone, tablet or other devices through a 3.5mm TRRS cable. Can live stream to multiple devices at the same time. Mainly use to live streaming podcast, or recording on smartphone or tablet.
When you chat with followers, fans and other streamers, the voice of other party can be input through this port. However, the volume of other party depends on the output volume of the other party, the mixer can not control / record the audio.

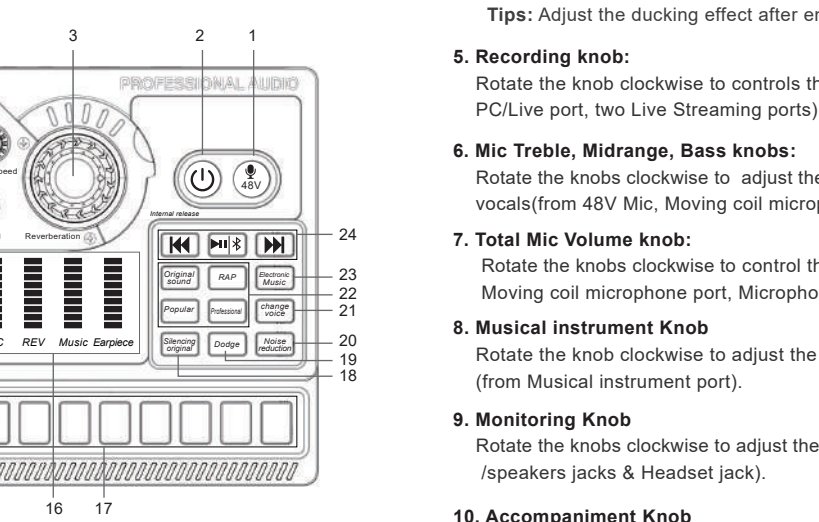
9. OTG:

USB-C port; Data interface port, can be used for audio data communications with computer and mobile devices, for audio signal line out/in, can be connected to PC /mobile devices for recording/live streaming/podcast.
The input volume is controlled by "Accompaniment" knob. The output volume is controlled by "Recording" knob.
Tips: Adjusting accompaniment volume inputted through the USB-C port (from mobile phones and PC) requires enabling Loopback function(Power key).

10. Charging/PC Live:

Data interface & charging port, can be used for audio data communications with computer and mobile devices for audio signal line out/in.
The input volume is controlled by "Accompaniment" knob. The output volume is controlled by "Recording" knob.

X5 Top Panel



- 1. 48V button:**
48V Phantom Power switch. Power supply for 48V XLR microphone jack. Enable 48V power supply function, the button light will blink, 48V indicator will turn red, The indicator light of 48V is at the 13th mark.
- 2. Power/Loopback Button**
Press and hold for 3s to turn on/off the mixer. Short press to turn on/off the Loopback feature after power on.
The Loopback feature is enabled-- the button light is always on; the audio sent to the mixer via USB-C will be sent back to the USB connected device, the audio resources inside PC(music, video, game, web,ect audio) can be heard by streaming audience or recorded by recording device.
The Loopback feature is disabled-- the button light flashes; the audio sent to the mixer can be heard through the monitoring headphones, but will not be recorded, or heard by audience. Turning off this feature can avoid unwanted echos.
- 3. Reverberation Knob:**
Rotate the knob clockwise to adjust the reverb effect. Adjust reverb effect in current voice mode, and make fine-tuned adjustment in original sound mode.

4. Dodge speed Knob

Rotate the knob clockwise to adjust the auto ducking levels.
Tips: Adjust the ducking effect after enabling the ducking function(Dodge button).

5. Recording knob:

Rotate the knob clockwise to controls the volume of audio output(to the OTG port, PC/Live port, two Live Streaming ports).

6. Mic Treble, Midrange, Bass knobs:

Rotate the knobs clockwise to adjust the treble, midrange, bass effect of microphone vocals(from 48V Mic, Moving coil microphone, Microphone port and Headset port).

7. Total Mic Volume knob:

Rotate the knobs clockwise to control the mic input volume(from 48V Mic port, Moving coil microphone port, Microphone port and Headset port).

8. Musical instrument Knob

Rotate the knob clockwise to adjust the input volume of musical instrument device (from Musical instrument port).

9. Monitoring Knob

Rotate the knobs clockwise to adjust the monitoring output volume(to Headphones /speakers jacks & Headset jack).

10. Accompaniment Knob

Rotate the knob clockwise to adjust the accompaniment music input volume(from Bluetooth, Accompaniment jack and OTG jack, PC Live jack).
if for the adjusting accompaniment volume inputted through the USB-C port (from mobile phones and computers) requires enable Loopback function(Power key).

11. Battery level display

Each 1 LED light indicates 25% battery. When charging, the Power switch button lights will remain green.

12. Light mode button:

short press to cyclically switch lighting modes, there are 5 lighting effects.

13. 48V indicator; When the 48 function is turned on, the LED indicator turns red.

14. 12-step auto tune indicator

14.1--Bluetooth is enabled by default. turn on/off Bluetooth function by press and hold the [BT] button.

15. Loopback indicator; Enable Loopback function, the LED indicator turns red.

16. 4 level meters:

Display your current adjustment change.

17. 14 interesting instant trigger sound pads

for live streaming atmosphere.

18. Silencing original button:

short press to turn on/off removing vocals function. when Enable the function, the mixer will remove 85% vocals part of current accompaniment song, remain accompaniment part, and the button light will blink when on.
if for the music inputted through the USB-C port (from mobile phones and computers) requires enabling Loopback function(Power key).

19. Dodge Button

Short press the button to turn on/off auto ducking function; Enable auto ducking function, the button light flashes; the mixer automatically lower the volume of background music while you speaking, highlighting your voice, recover background music volume while you stop speaking. (only for the background music inputted via Bluetooth and Accompaniment port, if need ducking PC internal music, you need turn on LOOPBACK function(Power key)).
Disable auto ducking function, the button light is always on.
Tips: the adjustment of the auto ducking effect is controlled by Dodge speed knob.

20. Noise reduction button:

short press to turn on/off noise reduction function, and button light will blink when enable this function.

21. Voice Changer Button

Short press the button to switch cyclically 5 voice changer modes(Male voice, Female voice, Magic voice, Baby voice, Robot voice.). The voice changer modes has presetted reverb effect, can be adjusted by Reverberation knob.
Tips: if need exit this mode, please short press other sound modes.

22. 4 presetted reverb modes.

Short press the corresponding button to enable the corresponding reverb effect.
Tips: The Original sound mode has no reverb effect.

23. Electronic Music Button

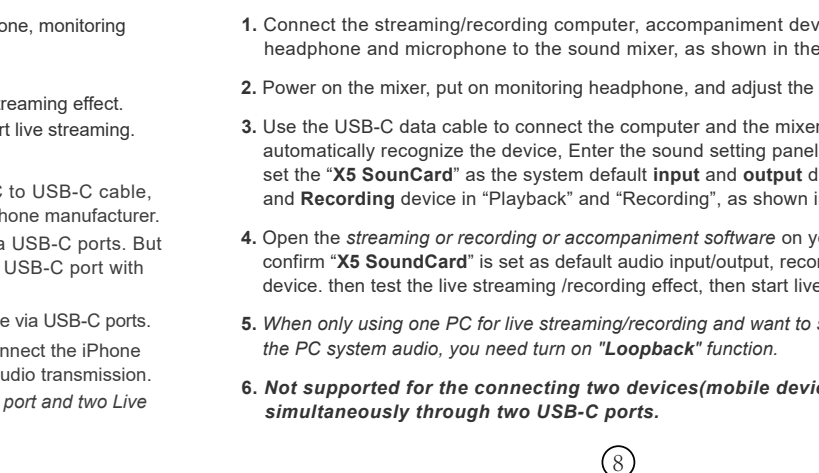
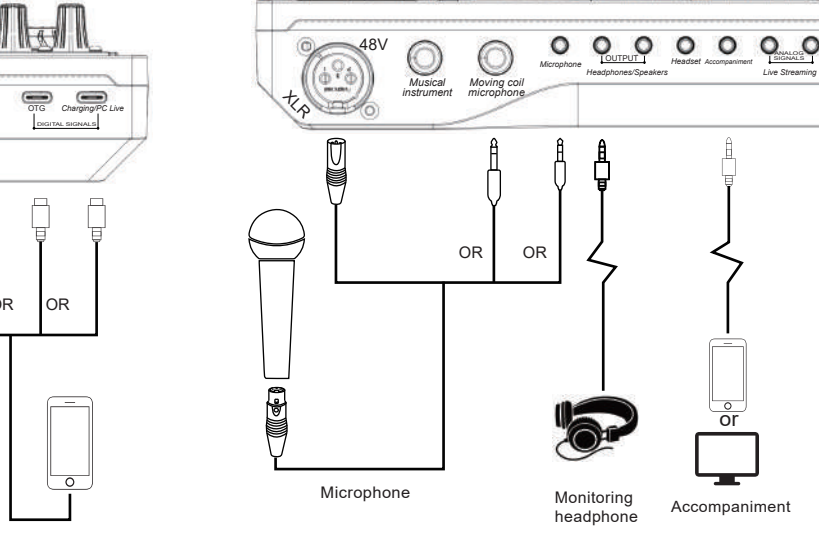
Short press the button to switch cyclically 12 steps auto tune(Ab, A, Bb, B, C, Db, D, Eb, E, F, Gb, G).
Tips: if need exit this mode, please short press other sound modes.

24. Bluetooth switch and Bluetooth control button(BT ID: X5 SoundCard)

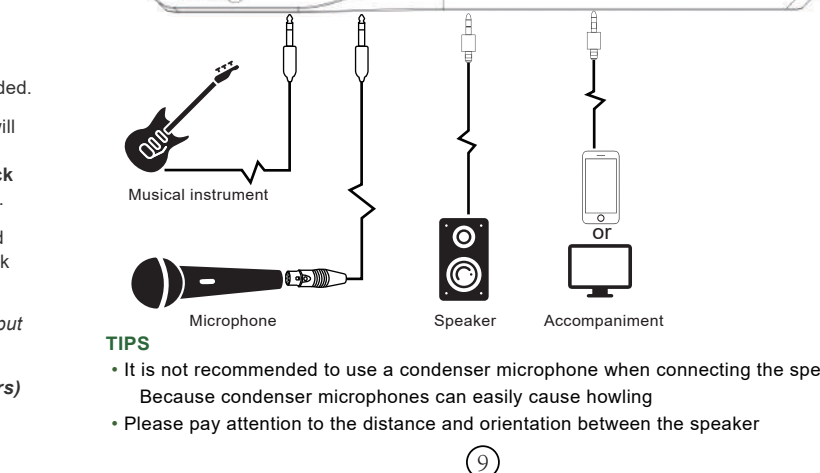
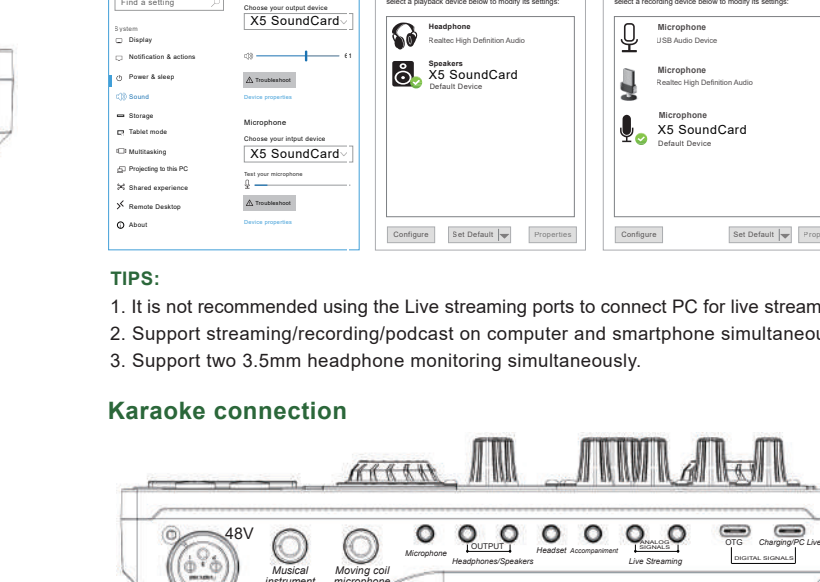
14.1--Bluetooth is enabled by default. turn on/off Bluetooth function by press and hold the [BT] button.
14.2--when playing accompaniment via Bluetooth, short press the [BT] button to play/pause the BT accompaniment.
Tips: Bluetooth control button is only for Bluetooth wireless accompaniment.

Connection Guide

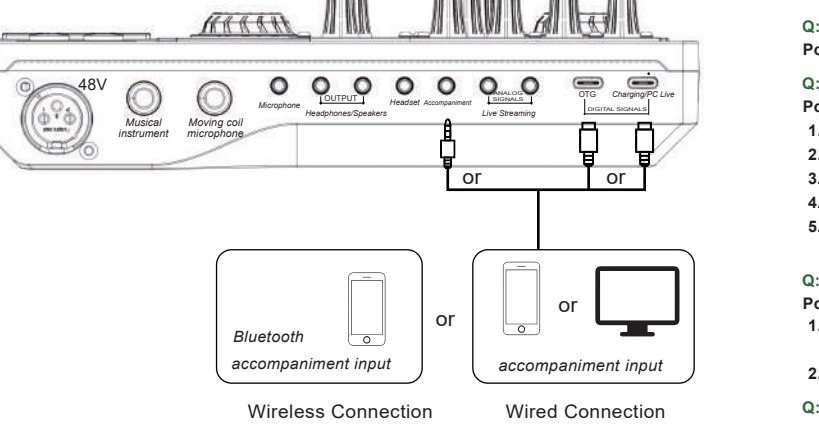
Live Streaming, Podcast Or Recording On Mobile Devices



Live Streaming, Podcast Or Recording On Computer



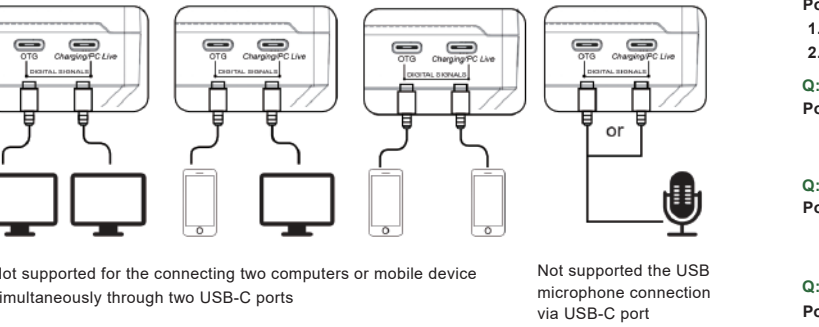
Accompaniment Music Input



TIPS

- BT connection is limited by distance(10 meter), please do not place the too far away from the mixer.
- Be far away from strong signal interference place.
- BT feature is only for accompaniment music playback

Unsupported Connection



TIPS

- It is not recommended to use a condenser microphone when connecting the speaker. Because condenser microphones can easily cause howling
- Please pay attention to the distance and orientation between the speaker

Troubleshooting(FQA)

Q: The device does not work, or there is no sound suddenly.
Possible solutions: The battery is dead, please connect to USB cable to charge before use.

Q: There is a lot of noise during the live streaming.
Possible solutions:

1. Check whether the battery is close to a dead state, please charge it in time;
2. Whether the earphone is plugged into the corresponding identification position;
3. Appropriately lower the microphone input volume, and turn on noise reduction again;
4. Check whether the headset is inserted in place, and then plug in the headset again;
5. If the PC is live streaming, and some laptops have interfering the mixer, try to unplug the computer's charging cable;

Q: The microphone has no sound.
Possible solutions:

1. Check the insertion position of the mic cable and make sure that the logo is face to you, or replacing the microphone cable to check if the microphone cable is faulty;
2. Increase gradually the microphone input volume and Monitoring volume ;

Q: The live streaming sound is small or silent.
Possible solutions:

1. Check whether the cable connection is plugged into the live streaming port;
2. Replace audio cable or USB cable to check if whether the cable is faulty;
3. Check whether the Recording knob is turned on to the maximum;

Question: The audience can't hear the music when live streaming, and it has no effect
Possible solutions:

1. Check whether the USB cable is plugged into the USB-C OTG port.
2. Check whether the "LOOPBACK" function is enabled when streaming or recording on computers.

Q: The sound is not normal.
Possible solutions:

1. This device build in a variety of presetted voice modes, please switch to original sound mode
2. Check whether the headphone is incorrectly inserted in the mark position

Q: Voice Changer effect can not be adjusted
Possible solutions:

- It is recommended to adjust the effect such as Reverb, Mic EQ, etc. in the sound change mode through knobs

Q: Can not be used with guitar
Possible solutions:

- It should be inserted into the 6.35mm "Musical instrument" jack, and the input volume of guitar only can be adjusted by the Musical instrument knob).

Q: Auto Ducking function not working
Possible solutions: It doesn't work on a voice call, it works on podcast or live streaming with music.

Product Specification

Specifications

Name	X5 SoundCard
Computer Recognition Name	X5 SoundCard
Dimension	L225*W145*H45mm
Environment	Temperature: 0°C ~ 45°C / 0°F ~ 113°F
Battery	Lithium ion 3000mAh/3.7V
Charging	DC+5V, 1A MAX
Power Consumption	500mAh; 5~6 hours working
Dynamic range	108dB(D/A); 102dB(A/D)
Sampling Rate	48000Hz/16Bit
BT Version/Name	V5.0, Compatible with Bluetooth 4.2BR1 X5 SoundCard
BT Receive	<10 m (No obstacle)
S/N Ratio	108dB(D/A); 102dB(A/D)
THD	-92dB(D/A); -90dB(A/D)

Interfaces Parameter

USB-C port	Type-C USB	Microphone port	3.5mm TRS port
Live Streaming port	3.5mm TRRS port	Moving coil microphone port	6.35mm TRS & TS port
Accompaniment port	3.5mm TRRS & TRS port	Musical instrument port	6.35mm TRS & TS port
Headset port	3.5mm TRS port	48V Mic port	XLR(3-pin) port

Warm Tips

- Please do not charge the audio console during live streaming.
- Please charge the audio console before using for the first time.
- If not used for a long period, please charge the audio console every 3 months.
- Charging is also possible when the power is off. Do not charge for a long time.
- Please stop charging when the battery is fully charged to avoid over-charging.
- BT connection is limited by distance. Please do not place the too far to avoid interference.
- BT feature is only for accompaniment music playback.
- During using desk computer or laptop live streaming or accompaniment, you must turn on the "Loopback" function. Only in this way can the viewers hear the sound from the PC.
- The mixer is a entertainment audio interface with mixer and sound card, designed for live streaming, podcast, and other content creations, its audio quality is not as professional as professional mixer.



FCC Caution.

(1) § 15.19 Labelling requirements.

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.

§ 15.21 Changes or modification warning

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

§ 15.105 Information to the user.

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.