

G10

USER MANUAL



Portable Audio Mixer For Live Streaming, Podcast
or Recording On Computer & Mobile Devices

Introduction

Thank you for choosing G10 MIXER! The G10 MIXER is an easy-to-use, all-in-one, onboard audio solution for live streaming, podcast recording, broadcasting, gaming and other content creations.

Streamline your setup and optimize your production with G10 MIXER. It features a 4.5" HD screen, 2 large rotary knobs, 4 sliding faders, 9 knobs, and 26 keys. Intuitive & visualized to control & optimize your audio mixing, no need fiddly software and complex settings. It is an audio console with hardware-controlled adjustment to all of audio effortlessly for perfect mixing.

Features 13 audio jacks, provides enough channels to accommodate your home devices. Built-in a XLR(3-pin), 1/4", 1/8", etc, microphone jacks, allows you use your different type microphone, and a 1/4" TRRS headset mic. Moreover, Built-in one USB-C digital jack for digital connection with PC or mobile devices, and two 1/4" TRRS analog jacks for analog connection with mobile devices, works well on your PC, tablets, smartphones and more, it is compatible with iOS, Android, Windows, etc system, run your content creations on most software, such as live streaming on OBS, online chatting on Twitch, video creation on YouTube/TikTok, podcast recording on apple/Google, and more content creations on Facebook, Spotify, Discord, Zoom, Twitter, Instagram, Streamlabs and more.

Warm Tips

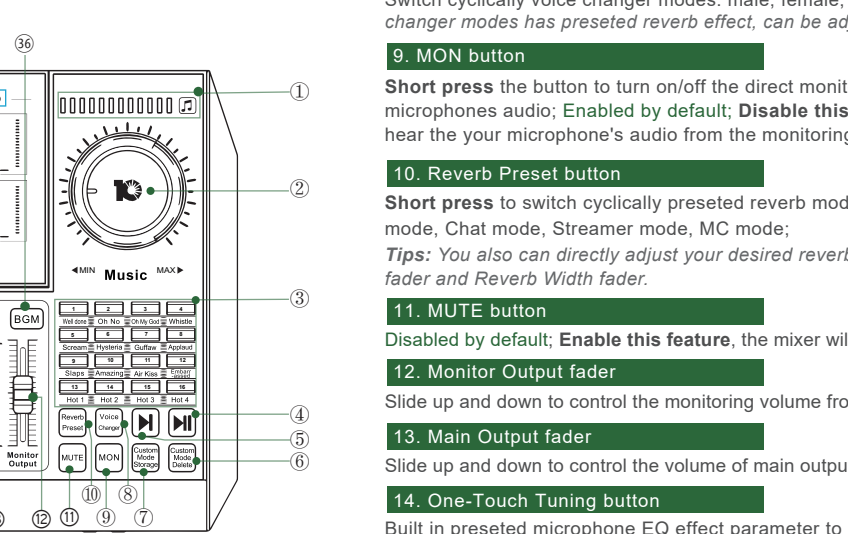
- Please do not charge the audio console during live streaming.
- Please charge the audio console before using for the first time.
- If not used for a long period, please charge the audio console every 3 months.
- Charging is also possible when the power is off.
- Do not charge for a long time.
- Please stop charging when the battery is fully charged to avoid over -charging.
- BT connection is limited by distance.
- BT feature is only for accompaniment music playback.
- the mixer is a entertainment audio mixer with interface and sound card, designed for live streaming, podcast, recording and other content creations, its audio quality is not as professional as Pro mixer.

For the latest information about this product (such as setup guide, troubleshooting, technical specifications, system requirements, compatibility information, etc.), please visit tenlamp-global.com.

Specifications

Name	G10	Chargt port	Type-c port
Dimension	272mm*195mm*60mm, 820g	OTG port	Type-c port
Environment	0°C~45°C	Live ports	3.5mm TRRS ports
Battery	Lithium ion 4000mAh/3.7V	Music port	3.5mm TRS port
Charging	DC+5V=1A max; 6H full charge	48V Mic port	XLR(3-pin)
Working Time	4~5H(48V Mic); 7~8H(3.5mm Mic)	LINE IN port	1/2" TRS & TS port
Output Power	10mW Load 32Ω	INST port	3.5mm TRS port
Frequency Response	50Hz~18KHz	Speaker port	3.5mm TRS port
Sampling Rate	48KHz/16Bit	Headset port	3.5mm TRRS port
BT Version	V5.0, compatible with 4.2	Mic ports	3.5mm TRS ports
BT Receive	<12m(No obstacle)	Monitor ports	3.5mm TRS ports
S/N Ratio	>102dB		
THD	<0.3@1KHz		

Top Panel



1. Music volume indicator

2. Music knob:

Rotate the knob clockwise to control the input volume of the accompaniment music from BT, Music jack and USB-C jack.

3. 16 fun soundpads

Instant trigger sound pads for live streaming/podcast/gaming atmosphere.

4. ▶|B button:

Short press to play/pause accompaniment music(from the BT device input).

5. ▶| button :

Short press the button to switch to next music song, Long press the button fot 2s to switch to last music song(only for BT music accompaniment).

6. Custom Mode Delete button:

Short press the button to delete the saved custom voice mode(currently in use), It allows the user delete all of saved custom mode.

7. Custom Mode Storage button:

Save the current customized voice mode, can be saved up to 19 voice modes.

20. Pitch Changer button

Switch cyclically voice changer modes: male, female, baby, uncle, ec. *Tips: The voice changer modes has preseted reverb effect, can be adjusted by two reverb fader.*

9. MON button

Short press the button to turn on/off the direct monitoring function for monitoring all of microphones audio; Enabled by default; Disable this feature, you will not be able to hear the your microphone's audio from the monitoring headphones.

10. Reverb Preset button

Short press to switch cyclically preseted reverb modes: Original sound mode, KTV mode, Chat mode, Streamer mode, MC mode;

Tips: You also can directly adjust your desired reverb effect through Reverb Depth fader and Reverb Width fader.

11. MUTE button

Disabled by default; Enable this feature, the mixer will not input any mic audio.

12. Monitor Output fader

Slide up and down to control the monitoring volume from 2 Monitor ports & Headset port.

13. Main Output fader

Slide up and down to control the volume of main output to two Live port and USB-C port.

14. One-Touch Tuning button

Built in preseted microphone EQ effect parameter to beautify your voice.

15. POWER/LOOPBACK button

Long press to turn on/off the mixer; short press to turn on/off LOOPBACK feature. The Loopback feature is enabled-- the PC audio sent to the mixer via USB-C will be sent back to the USB connected PC device, the audio resources inside PC(music, video, game, web,ect) can be heard by streaming audience or recorded by recording device. The Loopback feature is disabled-- the PC audio sent to the mixer can be heard through the monitoring headphones, but will not be recorded, or heard by audience. Disabling this feature can avoid unnecessary echoes

16. Custom Mode/Factory Reset button

Short press to cyclically switch 12-step autotunes, including A, Bb, B, C, Db, D, Eb, E, F, Gb, G, Ab; Adjust the tune intensity by the Autotune knob; Hold the button for 2s to exit the autotune mode.

32. Ducking button

Enable Ducking function, the mixer will automatically lower the volume of background music while you speaking, highlighting your voice; Recover background music volume while you stop speaking. (for the background music inputted via Bluetooth and Music port, if need ducking the music from PC via USB-C, please turn on LOOPBACK feature).

17. Reverb Width fader

Slide up and down to control the sense of space of reverb effect.

18. Reverb Depth fader

Slide up and down to control the time length of reverb effect.

19. Autotune Knob

Rotate the knob clockwise to adjust the intensity of the current autotune tunes. (only for 12-step autotune tunes)

21. Timbre Knob

Adjust timbre level of the current voice. Recommend using it in voice changer mode.

22. Speaker Knob

Rotate the knob clockwise to adjust the volume of audio output(via Speaker jack)

23. INST Knob

Rotate the knob clockwise to adjust the input volume of instruments(via INST jack)

24. #b Pitch Knob

Rotate the knob to raise or lower the pitch levels of current accompaniment music (only for the accompaniment music inputted via BT and Music port)

25. Hi Knob

Rotate the knob clockwise to adjust the treble effect of microphone vocals.

26. Mid Knob

Rotate the knob clockwise to adjust the midrange effect of microphone vocals.

27. Low Knob

Rotate the knob clockwise to adjust the bass effect of microphone vocals.

28. Mic Knob

Rotate the knob clockwise to adjust the input volume of microphones(from 48V Mic port, LINE IN port, Mic(1, 2) port and Headset port)

29. Microphone volume dynamic light

30. 12-Step Autotunes indicator

31. Autotune button

Short press to cyclically switch 12-step autotunes, including A, Bb, B, C, Db, D, Eb, E, F, Gb, G, Ab; Adjust the tune intensity by the Autotune knob; Hold the button for 2s to exit the autotune mode.

32. Ducking button

Enable Ducking function, the mixer will automatically lower the volume of background music while you speaking, highlighting your voice; Recover background music volume while you stop speaking. (for the background music inputted via Bluetooth and Music port, if need ducking the music from PC via USB-C, please turn on LOOPBACK feature).

33. Dry/Wet button

The default is Wet mode; Enable Dry mode, in monitoring headphone, you can hear the music, reverb, pitch, etc, but only the audio inputted by microphone will be recorded or exported to recording devices. Enable Wet mode, all reverb, changing-voice, and background music will be recorded or exported to recording devices.

34. Denoise button

Denoise feature is enabled by default; Built-in three noise reduction modes: --Level one noise reduction mode: Intelligent filtering of background noise(the mic pickedup), for filtering out lower noise signal. --Level two noise reduction mode: Intelligent filtering of background noise (the mic pickedup), for filtering out bigger noise signal. --Denoise for headphone mode: Intelligent filtering of background noise, only for the monitoring headphone(from Monitor ports and Headset port), your streaming audio or recording audio will remain the original microphone audio(without the processing of noise reduction).

Short press to cyclically switch Denoise modes; Long press to turn off Denoise function. Tips: When the noise reduction function is enabled, the mixer will automatically filter out lower audio signals, which may cause intermittent sound. Recommended to increase the volume of the microphone or move it closer after enabling Denoise

35. BT button

Short press to turn on/off Bluetooth function. BT ID: G10 MIXER. BT function is only for inputting the background music. It is limited by distance(10m); The input volume of Bluetooth input is controlled by "Music" knob.

36. BGM button

Built-in two modes for eliminating the 85% vocal part of the music song(from the input via the Music jack and Bluetooth); --Remove vocal mode: Eliminate the 85% vocal part in the music song and retain the accompaniment part, only the accompaniment part of the music song can be heard in monitoring headphone, streaming audio, or recording audio.

--Following singing mode: you can hear whole music song in the monitoring headphone, but only the accompaniment part of the music song can be heard in streaming audio or recording audio, great for music streaming. Tip: If for the music song from PC internal, please turn on LOOPBACK feature.

Common Problem

Noise Problem

- It is recommended to adjust the volume of the microphone, music, monitoring, etc. to a lower level after power on, and then gradually increase each volume to the appropriate level. Especially the volume of the microphone, if the volume of the microphone is adjusted to a higher level, it will pick up various noises that can not be heard by the human ear.
- Enable noise reduction function. After enabling noise reduction, the mixer will intelligently filter out the environmental noise picked up by the microphone and the background noise of various devices, providing you with clear & clean audio.
- Place the microphone reasonably and try to stay away from noise sources, such as air conditioning /fan vents, computer hosts, etc.

Howling Problem

- The volume of the microphone may be adjusted to a very high level, it is recommended to lower the microphone volume and gradually adjust it to the appropriate volume level.
- It is recommended to connect the speaker when using a dynamic microphone, as condenser microphones have high sensitivity and can easily cause howling.

20. Pitch Knob

Adjust pitch level of the current voice. Recommend using it in voice changer mode.

21. Timbre Knob

Adjust timbre level of the current voice. Recommend using it in voice changer mode.

22. Speaker Knob

Rotate the knob clockwise to adjust the volume of audio output(via Speaker jack)

23. INST Knob

Rotate the knob clockwise to adjust the input volume of instruments(via INST jack)

24. #b Pitch Knob

Rotate the knob to raise or lower the pitch levels of current accompaniment music (only for the accompaniment music inputted via BT and Music port)

25. Hi Knob

Rotate the knob clockwise to adjust the treble effect of microphone vocals.

26. Mid Knob

Rotate the knob clockwise to adjust the midrange effect of microphone vocals.

27. Low Knob

Rotate the knob clockwise to adjust the bass effect of microphone vocals.

28. Mic Knob

Rotate the knob clockwise to adjust the input volume of microphones(from 48V Mic port, LINE IN port, Mic(1, 2) port and Headset port)

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Short press to cyclically switch 12-step autotunes, including A, Bb, B, C, Db, D, Eb, E, F, Gb, G, Ab; Adjust the tune intensity by the Autotune knob; Hold the button for 2s to exit the autotune mode.

32. Ducking button

Enable Ducking function, the mixer will automatically lower the volume of background music while you speaking, highlighting your voice; Recover background music volume while you stop speaking. (for the background music inputted via Bluetooth and Music port, if need ducking the music from PC via USB-C, please turn on LOOPBACK feature).

33. Dry/Wet button

The default is Wet mode; Enable Dry mode, in monitoring headphone, you can hear the music, reverb, pitch, etc, but only the audio inputted by microphone will be recorded or exported to recording devices. Enable Wet mode, all reverb, changing-voice, and background music will be recorded or exported to recording devices.

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Short press to cyclically switch Denoise modes; Long press to turn off Denoise function. Tips: When the noise reduction function is enabled, the mixer will automatically filter out lower audio signals, which may cause intermittent sound. Recommended to increase the volume of the microphone or move it closer after enabling Denoise

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Short press to turn on/off Bluetooth function. BT ID: G10 MIXER. BT function is only for inputting the background music. It is limited by distance(10m); The input volume of Bluetooth input is controlled by "Music" knob.

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--Following singing mode: you can hear whole music song in the monitoring headphone, but only the accompaniment part of the music song can be heard in streaming audio or recording audio, great for music streaming. Tip: If for the music song from PC internal, please turn on LOOPBACK feature.

Common Problem

Noise Problem

- It is recommended to adjust the volume of the microphone, music, monitoring, etc. to a lower level after power on, and then gradually increase each volume to the appropriate level. Especially the volume of the microphone, if the volume of the microphone is adjusted to a higher level, it will pick up various noises that can not be heard by the human ear.
- Enable noise reduction function. After enabling noise reduction, the mixer will intelligently filter out the environmental noise picked up by the microphone and the background noise of various devices, providing you with clear & clean audio.
- Place the microphone reasonably and try to stay away from noise sources, such as air conditioning /fan vents, computer hosts, etc.

Howling Problem

- The volume of the microphone may be adjusted to a very high level, it is recommended to lower the microphone volume and gradually adjust it to the appropriate volume level.
- It is recommended to connect the speaker when using a dynamic microphone, as condenser microphones have high sensitivity and can easily cause howling.

Custom Mode Settings

By setting the 3-band EQ, pitch, timbre, reverb, voice changer mode, all volumes, etc, you can customize the desired voice mode, and then use the "Custom Mode Storage" button to save the customized voice mode. Short press the "Custom Mode/Factory Reset" button to switch to the customized voice mode for live streaming, podcast or recording without setting voice parameters again.

Switch to the saved Custom Mode

Short press the Custom Mode button to cyclically switch the saved Custom Mode and the 4 number (red frame) on screen will show the serial number of Custom Mode simultaneously.

Save the Custom Mode

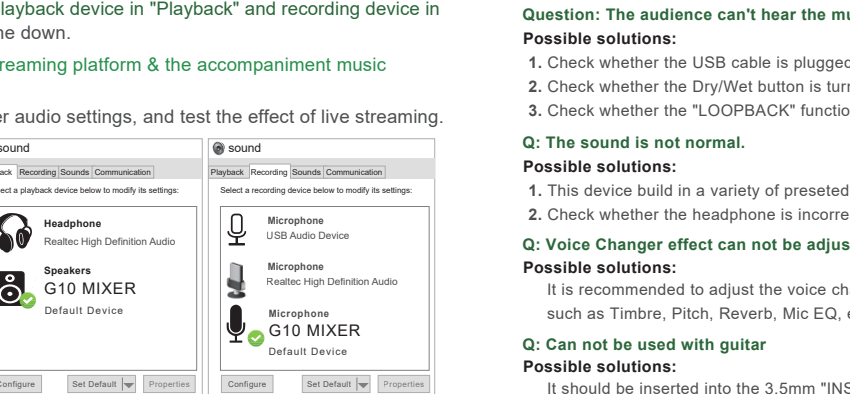
First, you can delete the saved Custom Sound Mode by the Custom Mode Delete button. Then Set Hi, Mid, Low, Timbre, Pitch, Autotune, Reverb modes, Reverb, Voice Changers, all volumes, ect sound EQ and sound effects.

Then short press the Custom Mode Storage button to save the Custom Sound Mode and remember the serial number of the Custom Mode. A total of 19 modes can be saved. The 4 number(red frame) on screen will show the serial number(from 01 to 19) simultaneously

Delete the Custom Mode

Short press the Custom Mode Delete button to delete the currently used(switched to) Custom Mode. All Custom Modes can be deleted.

Rear Panel and Front Panel



DC 5V Charging port:

USB-C port; the mixer recharging port, only used for charging.

When low battery, it will make a lot of noise; the power is continuing to decrease, the noise will be more and more loud. Please charge it as soon as possible.

OTG USB-C port:

Connect 1/2(3.5mm)headphones. used for monitoring all sound resources of the mixer in real time. Supports TRS/TRSS headphone. Controlled by "Monitor" fader.

Connection Guide

Live Streaming, Podcast Or Recording On Mobile Devices

This port can be used to connect to the PC or mobile devices for streaming, podcast, recording, gaming, more, also can be input audio resources from PC or mobile devices. Tips: USB-C to lightning cable maybe can not be applied to iPhone for recording via USB-C OTG port.

Live(1, 2) port:

3.5mm TRRS analog audio signal line out/in port; Output the mixed audio signal to streaming/ recording mobile devices like phones, iPads, through a 3.5mm TRRS cable. The output volume is controlled by "Main Output" fader. The audio inputted from this ports will not be recorded, the input volume also can not be controlled by G10 mixer.

Music port:

3.5mm music resources input port; Connect external audio sources or playback devices through a 3.5mm audio cable for the playback of the background music during live streaming or recording. The input volume is controlled by "Music" knob.

48V Mic port:

48V condenser microphone input port; 48V phantom power switch is to the right of this port, The 48V phantom power indicator is in the upper left corner of this port. The input volume of the 48V condenser mic is controlled by "Mic" knob.

LINE IN port:

6.35mm dynamic microphone input port. The input volume is controlled by "Mic" knob.

INST port:

3.5mm TRS input port. Connect 3.5mm musical instrument devices. The input volume is controlled by "INST" knob.

Speaker port:

3.5mm TRS output port. Connect audio playback devices, such as speaker, headphone. The volume of the audio output is controlled by "Speaker" knob.

Mic(1, 2) port:

3.5mm TRS mic port. Connect (XLR to 3.5mm) condenser microphone that does not require external power supply. The input volume is controlled by "Mic" knob.

Headset port:

3.5mm TRRS port. Connect a headset mic, used for vocals input via headset, and also can real-time monitor all sound sources of the mixer via the headset simultaneously. The input volume is controlled by the Mic knob, and the monitoring output volume is controlled by the "Monitor Output" fader.

Monitor port:

Connect 1/2(3.5mm)headphones. used for monitoring all sound resources of the mixer in real time. Supports TRS/TRSS headphone. Controlled by "Monitor" fader.

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 function; 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 mic volume via Mic knob and Monitoring volume via Monitor Output fader; 3. Please check if Mute is enabled or if monitoring feature is disabled

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 Main Outout fader 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 Dry/Wet button is turned on and enable the dry recording mode. 3. 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 preseted voice modes, please switch to original sound mode 2. Check whether the "LOOPBACK" function is incorrectly inserted in the mark position

Q: Voice Changer effect can not be adjusted

Possible solutions: It is recommended to adjust the voice change effect in the sound change mode through knobs such as Timbre, Pitch, Reverb, Mic EQ, etc.

Q: Can not be used with guitar

Possible solutions: It should be inserted into the 3.5mm "INST" jack, if 6.35mm plug, Please use an adapter or insert into the LINE IN jack(but the input volume of guitar only can be adjusted by the Mic 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.

Q: When only using one PC for live streaming and want to simultaneously input the PC system internal audio, please enable the "LOOPBACK" function.

When only using one PC for live streaming and want to simultaneously input the PC system internal audio, please enable the "LOOPBACK" function.

OTG cable connection diagram

charging mixer phone

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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.

FCC Radiation Exposure statement

The device has been evaluatec to meel general RF exposure requirement. The device can be used in porlable exposure condition without restriction.