Surrender 8124

User Guide



Warranty Information

NEXTRAVELER SOUNDS provides a warranty for hardware products under the NEXTRAVELER SOUNDS brand against material and manufacturing defects, provided the product is used correctly according to the user manual.

Under this warranty, if a defect is identified, the product will be repaired or replaced with an item of equivalent functionality. All repairs or replacements will be carried out by NEXTRAVELER SOUNDS.

The warranty is subject to certain conditions. The product must not have been misused, neglected, or intentionally or accidentally damaged, nor modified without approval from NEXTRAVELER SOUNDS. Additionally, wear and tear on components such as potentiometers, switches, and connectors is not covered by the warranty.

If a defective product is identified, please return it to NEXTRAVELER SOUNDS. Ensure the product is securely packaged in its original case to prevent damage during shipping. Prior consultation with a NEXTRAVELER SOUNDS representative is required before returning the product.

For further details about the warranty or procedures, please contact NEXTRAVELER SOUNDS:
Email: contact@nextravelersounds.com

Safety Instructions

Please read the following precautions carefully and use the product correctly.

- This product is designed exclusively for balanced output. Using an unbalanced connection may put stress on the internal electronic circuitry and, in the worst case, could cause damage to the equipment.

- This product operates on batteries. If the battery is depleted and the power shuts off, it may cause damage to the speakers. Please check the battery level before use and replace it with a new one if necessary. (Ensure the power is OFF before replacing the battery.)

- If the product will not be used for an extended period, be sure to remove the batteries. Leaving batteries inside the device for a long time may cause leakage, which could lead to device failure or corrosion of internal components.

- To avoid the risk of electric shock, do not remove any parts of the mixer except for the battery cover. If repairs are necessary, please contact a representative from NEXTRAVER SOUNDS.

- Use only batteries of the same type.

- Ensure the correct battery polarity when inserting the batteries.

- When connecting the output of this mixer to the XLR input of another mixer, make sure not to activate phantom power.

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About Surrender 8124

Inspired by the legendary Neve 8078 studio console, with its rich, powerful sound, and the iconic UREI 1620, known for its smooth rotary fader feel, the Surrender 8124 delivers uncompromising hi-fi sound that rivals pure audio systems. Development began three years ago with a single goal: to create the world’s ultimate mixer.

Looking around the market, we see digital mixers that sacrifice sound quality for the sake of effects, and analog mixers that focus heavily on EQ characteristics. But with STEM mixing gradually becoming the norm, are these features truly necessary anymore?

With AI and software redefining functionality in the music industry, we reimagined what a truly essential DJ mixer should be for the decade ahead.

Compact and fully battery-powered, the Surrender 8124 solves a critical issue in sound quality: the power supply. Noise from public power sources often degrades audio quality as it gets amplified through the DJ mixer. To eliminate this problem, the Surrender 8124 is designed to run entirely on batteries – using 16 rechargeable AA batteries.

When playing abroad, you’ll no longer struggle with unfamiliar mixers in foreign venues, and its compact design ensures easy setup even in the tightest DJ booths. On top of that, it delivers outstanding performance as a headphone amplifier.

The concept is "a portable analog studio." More than just a DJ mixer, it’s the ultimate game-changer for the AI era!

Functions





HP OUT - Headphone output jack.

CUE - Selects the channel to monitor.

MONITOR - Allows selection between monitoring the master output or individual channel audio.

HP VOLUME - Controls the headphone output volume.

MASTER VOLUME - Adjusts the master output volume.

POWER - Power switch for turning the unit on and off.

OUTPUT - XLR output connector.

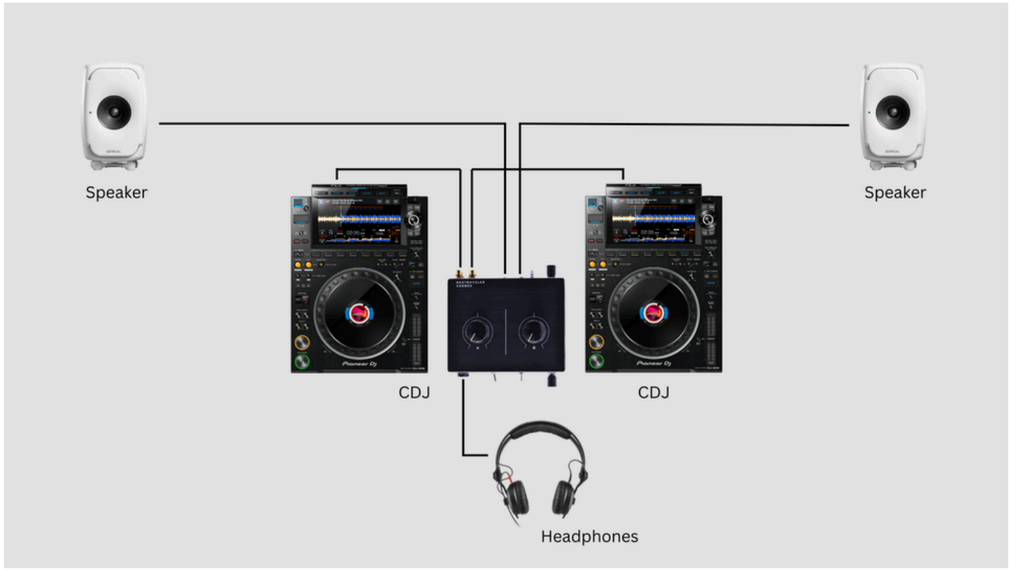
INPUT - RCA input connectors (L/R × 2).

Application Diagram 1

#1 DJ Setup Using CDJs

This is the most common setup for DJing, using CDJs.

1. Connect the audio signals from each CDJ to the two INPUTS on the Surrender 8124 using RCA cables.
2. Connect the OUTPUT to speakers.
3. Plug a 1/4-inch (standard size) headphone into the HP OUT jack.
4. Use the CUE function to monitor the audio from the selected channel.

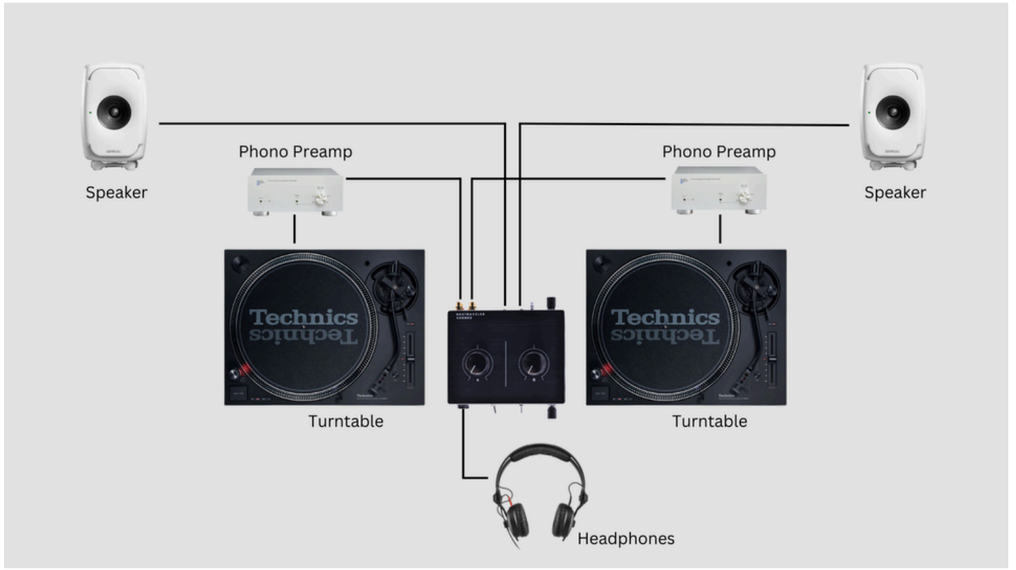


Application Diagram 2

#2 DJ Setup Using a Turntable

When DJing with a turntable, a phono equalizer is required.

1. Connect the turntable to the phono equalizer, and then connect the phono equalizer to the Surrender 8124.
2. If your turntable has a built-in phono equalizer, you can connect it directly to the Surrender 8124 without the need for an external phono equalizer.



Application Diagram 3

#3 DJ Setup Using an iPad and Audio Interface

Even without traditional DJ equipment like CDJs, you can create a portable DJ setup with just an iPad and an audio interface, perfect for use anywhere.

1. Connect the iPad to the audio interface via a USB cable.
2. Connect the audio output from the audio interface to the INPUTS on the Surrender 8124.

By using DJ apps like djay, you can perform DJ sets with STEM separation and handle EQ and effects directly on the iPad.

For even greater creative possibilities, using an audio interface with built-in effects, such as the Antelope Zen Quadro, allows you to incorporate features like tape emulators or vintage compressors. This setup lets you recreate the warmth and character of vintage equipment while performing your DJ sets.



Application Diagram 4

#4 DJ System Using Two iPhones and USB DACs

With two iPhones and two USB DACs, you can create an even more compact DJ system compared to the "iPad + Audio Interface" setup.

By leveraging the Ableton Link feature in the djay app, you can synchronize the BPMs of both iPhones, enabling seamless DJ performances.



Application Diagram 5

#5 Using as a Headphone Amplifier

By pairing it with your favorite DAC, the Surrender 8124 can be used as a high-quality headphone amplifier.

The headphone circuit features the TPA6120A2 IC chip, renowned for its ultra-low distortion and wide dynamic range, allowing you to enjoy exceptionally clean and pure sound through your headphones.

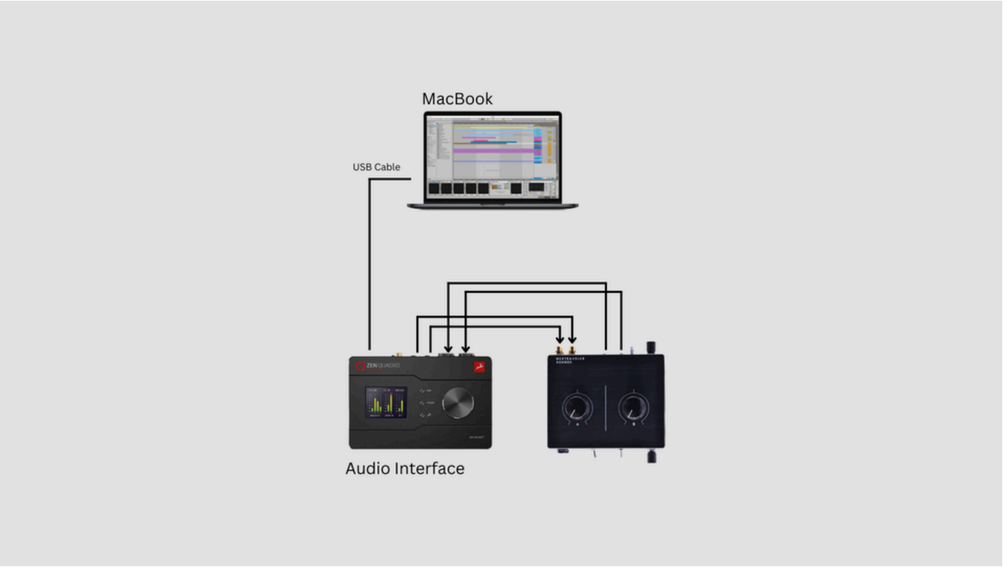


Application Diagram 6

#6 Adding Analog Warmth to DAW-Created Sounds

Give your digital sounds created in a DAW the warmth and character of analog audio.

By routing your DAW audio through Surrender 8124 , you can achieve a real analog texture that analog modeling plugins cannot fully replicate.
With its low-noise design, the Surrender 8124 enhances your audio with authentic analog warmth while preserving the original sound quality.



Technical Specifications

Frequency Response (XLR OUT)
10Hz - 150kHz +0/-0.2dB

THD+N (XLR OUT)
0.0045%

Frequency Response(HEADPHONE OUT)
10Hz - 150kHz +0/-0.2dB

THD+N (HEADPHONE OUT)
0.002%

Runtime
More than 10 hours (varies depending on the battery)

Size
W160mm×D167.8mm×H83.2 (including rubber feet and knobs)

Weight
1,620g (excluding batteries)

Power Supply
16 × AA batteries

Battery Selection and Care

This mixer is designed with eco-friendly rechargeable AA batteries in mind, but it is also compatible with standard disposable alkaline or lithium batteries.

The type of battery used can affect sound quality, operating time, and output power. Some batteries gradually lose power, resulting in weaker audio output over time, while others maintain consistent performance until they suddenly deplete. Be aware that sound quality and performance may vary depending on the type and condition of the batteries.

To achieve optimal performance, regularly check the battery level and replace the batteries as needed.

Additionally, if the mixer will not be used for an extended period, always remove the batteries. Leaving batteries inside the unit can result in leakage, which may cause equipment failure or corrosion of internal components.

By following these precautions, you can prevent damage from battery leakage and ensure the longevity and safe use of your DJ mixer.