

SUBZERO SZ-MIX04

SubZero SZ-MIX04 4-Channel Mini Mixer User Manual

Model: SZ-MIX04 | Brand: SUBZERO

1. INTRODUCTION

The SubZero SZ-MIX04 is a compact and versatile 4-channel mini mixer designed for a wide range of audio applications, from home studios to live sound setups. It provides essential mixing functionalities, including input gain control, 2-band equalization, and main output level adjustment, making it suitable for musicians, podcasters, and audio enthusiasts seeking a portable and efficient mixing solution.

2. SAFETY INFORMATION

- **Power Supply:** Use only the specified power adapter. Ensure the voltage matches the requirements of the unit.
- **Water and Moisture:** Do not expose the unit to rain or moisture. Do not place objects filled with liquids on the unit.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings.
- **Heat Sources:** Keep the unit away from heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Cleaning:** Disconnect the power before cleaning. Use a dry cloth only.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

3. PRODUCT OVERVIEW

Familiarize yourself with the components and controls of your SZ-MIX04 mixer.



Figure 3.1: Angled view of the SubZero SZ-MIX04 mixer, showcasing its compact design and front panel controls.



Figure 3.2: Top view of the SZ-MIX04, highlighting the gain, EQ, and level controls for each channel, along with the main output and headphone controls.

- **GAIN Controls:** Adjusts the input sensitivity for channels 1 and 2 (Mic/Line inputs).
- **HI EQ:** Treble equalization control for channels 1 and 2.
- **LOW EQ:** Bass equalization control for channels 1 and 2.
- **LEVEL Controls:** Adjusts the output level for each channel (1, 2, 3/4) and the main mix.
- **2TK TO MAIN/PHONES:** Routes the 2-track input to the main mix or headphone output.
- **+48V Phantom Power:** Activates phantom power for condenser microphones on channels 1 and 2.
- **POWER Indicator:** Illuminates when the unit is powered on.



Figure 3.3: Rear view of the SZ-MIX04, displaying all input and output connections, including XLR, 1/4-inch, and RCA ports.

- **MIC/IN (Channels 1 & 2):** XLR/TRS combo jacks for microphone or line-level inputs.
- **LINE/IN (Channels 1 & 2):** 1/4-inch TRS jacks for line-level inputs.
- **3 R/IN & 4 L/IN (MONO):** RCA inputs for stereo line-level devices (e.g., CD players, media players).
- **L/OUTPUT & R/OUTPUT:** 1/4-inch TRS jacks for main stereo output to speakers or amplifiers.
- **PHONES:** 1/4-inch TRS jack for headphone monitoring.
- **POWER DC 12V:** Power input jack for the included DC 12V adapter.

4. SETUP

1. **Power Connection:** Connect the supplied DC 12V power adapter to the POWER DC 12V input on the rear panel of the mixer. Plug the adapter into a suitable power outlet. Do not power on the mixer yet.
2. **Input Connections:**
 - For microphones, connect them to the MIC/IN (XLR) jacks on channels 1 or 2. If using condenser microphones, ensure +48V phantom power is off before connecting, then activate it after connection.
 - For instruments or line-level devices (e.g., keyboards, guitars with preamps), connect them to the LINE/IN (1/4-inch TRS) jacks on channels 1 or 2.

- For stereo line-level sources (e.g., MP3 players, laptops), connect them to the 3 R/IN and 4 L/IN (MONO) RCA inputs.

3. **Output Connections:**

- Connect your main speakers or amplifier to the L/OUTPUT and R/OUTPUT (1/4-inch TRS) jacks.
- Connect your headphones to the PHONES (1/4-inch TRS) jack for monitoring.

4. **Initial Settings:** Before powering on, ensure all LEVEL controls are set to their minimum (fully counter-clockwise) position.

5. **Power On:** Once all connections are secure, press the POWER button on the top panel to turn on the mixer. The POWER indicator LED will illuminate.

5. OPERATING INSTRUCTIONS

1. **Adjusting Input Gain:** For channels 1 and 2, slowly increase the GAIN control until the signal peak LED (next to the main level meters) occasionally flashes. This ensures a strong signal without distortion.
2. **Using the Equalizer (EQ):** Channels 1 and 2 feature a 2-band EQ. Adjust the HI (treble) and LOW (bass) controls to shape the tone of each input. Turning clockwise boosts the frequency, counter-clockwise cuts it.
3. **Setting Channel Levels:** Slowly increase the LEVEL control for each active channel (1, 2, or 3/4) to blend the individual signals into the main mix.
4. **Main Output Level:** Adjust the MAIN LEVEL control to set the overall volume of the mix sent to your speakers or amplifier.
5. **Headphone Monitoring:** Use the PHONES LEVEL control to adjust the volume of your headphones. The headphone output mirrors the main mix.
6. **2-Track Input/Output (2TK IN/OUT):** The 2TK IN (RCA) allows you to connect an external stereo source (e.g., a playback device). The 2TK OUT (RCA) sends the main mix to a recording device. Use the 2TK TO MAIN/PHONES button to route the 2-track input to either the main mix or just the headphones for monitoring.
7. **Phantom Power (+48V):** If using condenser microphones, press the +48V button to supply power. Ensure microphones are connected before activating and disconnect after deactivating.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the exterior of the mixer. Do not use liquid cleaners, abrasive cleaners, or sprays.
- **Storage:** When not in use for extended periods, store the mixer in a dry, dust-free environment, away from direct sunlight and extreme temperatures.
- **Cable Management:** Ensure cables are not kinked or strained, which can lead to damage over time.

7. TROUBLESHOOTING

- **No Sound Output:**
 - Check if the mixer is powered on and the POWER indicator is lit.
 - Ensure all LEVEL controls (channel and main) are turned up.
 - Verify all audio cables are securely connected to the correct inputs and outputs.
 - Check the volume levels on your connected speakers or amplifier.
- **Distorted Sound:**
 - Reduce the GAIN control for the input channel.
 - Lower the channel LEVEL or MAIN LEVEL.
 - Ensure the input source itself is not distorted.
- **Background Noise/Hum:**
 - Ensure input levels are sufficiently high (adjust GAIN) to avoid needing to boost output levels excessively, which can amplify noise.
 - Check for faulty or unshielded cables.
 - Ensure proper grounding of all connected equipment.
 - Keep audio cables away from power cables.
- **Output is Mono (despite L/R outputs):** While the mixer provides separate L/R outputs, some internal processing or summing of certain signals may result in a mono output. This is typical for compact mixers of this type, especially when using mono inputs. Ensure your playback system is configured for stereo if desired, and note that channels 1 and 2 are mono inputs.


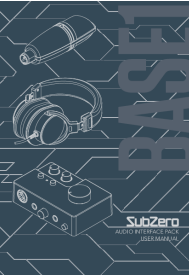


8. SPECIFICATIONS

Feature	Specification
Product Dimensions	1 x 1 x 1 cm (0.39 x 0.39 x 0.39 inches)
Item Weight	1.08 kg (2.38 pounds)
Power Source	Corded Electric (DC 12V)
Number of Channels	4
Connectivity Technology	Wired
Manufacturer Reference	SZ-MIX04 / SZMIX02-1A

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided at the time of purchase or contact your retailer. Keep your proof of purchase for any warranty claims.

Related Documents - SZ-MIX04

 <p>SubZero</p> <p>SZ-PPA2 SubZero SZ-PPA2 Pro Phono Preamplifier USER MANUAL</p>	<p>SubZero SZ-PPA2 Pro Phono Preamplifier User Manual</p> <p>User manual for the SubZero SZ-PPA2 Pro Phono Preamplifier, detailing its features, operation, and specifications. Learn how to connect and use the device for optimal audio performance.</p>
 <p>SubZero</p> <p>HOME RECORDING BUNDLE</p> <p>BASE-2</p> <p>USER MANUAL</p>	<p>SubZero BASE-2 Home Recording Bundle User Manual</p> <p>User manual for the SubZero BASE-2 Home Recording Bundle, featuring the SZ-AI2 audio interface, SZC-300 microphone, and SZ-MH200 headphones. Learn about setup, features, and specifications.</p>
 <p>SubZero</p> <p>BASE1</p> <p>USER MANUAL</p>	<p>SubZero BASE1 Audio Interface Pack User Manual</p> <p>Comprehensive user manual for the SubZero BASE1 Audio Interface Pack, covering setup, functions, features, and technical specifications of the audio interface (SZ-AI1), condenser microphone (SZC-1), and monitoring headphones (SZ-MH1). Includes safety information and contact details.</p>
 <p>SubZero</p> <p>POWERED MIXER AND MEDIA PLAYER</p> <p>PMIX4-MP / PMIX6-MP / PMIX8-MP</p> <p>USER MANUAL</p>	<p>SubZero Powered Mixer and Media Player User Manual</p> <p>Comprehensive user manual for the SubZero PMIX4-MP, PMIX6-MP, and PMIX8-MP powered mixers and media players, detailing features, operation, setup, and technical specifications.</p>
 <p>SubZero</p> <p>NOISE CANCELLING HEADPHONES</p> <p>NH300BT</p> <p>USER MANUAL</p>	<p>SubZero NH300BT Noise Cancelling Headphones User Manual</p> <p>Comprehensive user manual for the SubZero NH300BT Bluetooth Noise Cancelling Headphones, covering features, functions, charging, application, and specifications.</p>

SubZero

MODULAR COLUMN
PA SPEAKER

SZ-HICAST-M1

USER MANUAL

[SubZero SZ-HICAST-M1 Modular Column PA Speaker User Manual](#)

This user manual provides comprehensive instructions for the SubZero SZ-HICAST-M1 Modular Column PA System, covering its features, master and slave functions, True Wireless Stereo setup, speaker configurations, digital signal processing presets, and detailed specifications.