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Douk Audio MC5-BX

DoukAudio MC5-BX Mini 4-Channel Stereo Line Mixer User Manual

Model: MC5-BX | Brand: Douk Audio

1. INTRODUCTION

The DoukAudio MC5-BX Mini 4-Channel Stereo Line Mixer is a compact and versatile audio device designed for mixing multiple audio sources. It features ultra low-noise circuitry for clear sound and supports both active (powered) and passive (unpowered) operation modes. With four independent 3.5mm AUX inputs and one 3.5mm AUX output, it is ideal for musicians, DJs, home studios, bars, and various audio setups requiring precise control over multiple line-level signals.

This manual provides detailed instructions for setting up, operating, and maintaining your MC5-BX mixer to ensure optimal performance and longevity.

2. SAFETY INFORMATION

- Read all instructions carefully before using the device.
- Keep the device away from water, moisture, and extreme temperatures.
- Do not attempt to disassemble or modify the device. Refer all servicing to qualified personnel.
- Use only the provided USB-C cable and a compatible 5V DC power adapter for active mode.
- Avoid placing heavy objects on the device or its cables.
- Ensure proper ventilation to prevent overheating.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1x DoukAudio MC5-BX Mini Audio Mixer
- 1x Type-C USB Cable
- 1x User Manual (this document)



Figure 3.1: The DoukAudio MC5-BX Mini Audio Mixer and its included Type-C USB cable, along with a diagram showing its compact dimensions (106mm/4.17in length, 59mm/2.32in width, 24mm/0.94in height) and weight (Net Weight 206g/0.45lb, Package Weight 300g/0.66lb).

4. PRODUCT OVERVIEW

The DoukAudio MC5-BX is a compact 4-channel stereo line mixer. Below is a detailed look at its components and connections.



Figure 4.1: An overhead view of the DoukAudio MC5-BX Mini Audio Mixer, showcasing its compact black metal casing, five rotary knobs for volume control, and power switch.



Figure 4.2: A close-up view of the mixer's top panel with labels indicating the function of each control: Input 1-4 Volume Knobs, Output Volume Knob, Power ON/OFF switch, Power Indicator LED, and Active / Passive Mode Switch.

Front Panel Controls:

- Input 1-4 Volume Knobs:** Independently adjust the volume level for each of the four input channels.
- Output Volume Knob:** Controls the overall master volume of the mixed audio output.
- Power ON/OFF Switch:** Toggles the device power.
- Power Indicator:** An LED that illuminates when the device is powered on.
- Active / Passive Mode Switch (IC/PASS):** Selects between active (powered) and passive (unpowered) operation modes.

Rear Panel Connections:

Passive mode



Figure 4.3: The rear panel of the mixer showing four 3.5mm AUX input jacks, one 3.5mm AUX output jack, and a USB-C port for optional 5V DC power. This image highlights the passive mode operation, indicating no external power is required.

Active mode



Figure 4.4: The rear panel of the mixer, similar to the passive mode view, but emphasizing the Type-C USB 5V DC input for active mode operation, which provides amplification.

- **IN-1 to IN-4 (3.5mm AUX Inputs):** Connect your audio sources such as smartphones, tablets, computers, CD players, instruments, or other line-level devices.
- **OUT (3.5mm AUX Output):** Connect to your headphones, powered speakers, amplifier, or recording device.
- **DC 5V (USB-C Power Input):** For active mode operation, connect the provided USB-C cable to a 5V DC power source.

5. SETUP

5.1 Power Connection (Active Mode)

If you require signal amplification or are using low-output devices, operate the mixer in active mode:

1. Ensure the Active/Passive Mode Switch is set to 'IC' (Active).
2. Connect the provided USB-C cable to the 'DC 5V' port on the mixer.
3. Connect the other end of the USB-C cable to a 5V DC power source (e.g., USB wall adapter, computer USB port, power bank).

4. Flip the Power ON/OFF switch to 'ON'. The Power Indicator LED will light up.

5.2 Passive Mode Operation

For pure audio signal transmission without amplification, the mixer can operate passively without external power:

1. Ensure the Active/Passive Mode Switch is set to 'PASS' (Passive).
2. No external power connection is required.

5.3 Audio Input Connection

Connect your audio sources to the 'IN-1' through 'IN-4' 3.5mm AUX input jacks.

- Use standard 3.5mm audio cables for each source.
- Each input can be independently controlled.

5.4 Audio Output Connection

Connect your listening device to the 'OUT' 3.5mm AUX output jack.

- Connect headphones, powered speakers, or an amplifier using a 3.5mm audio cable.



Figure 5.1: An illustration showing four input cables connected to the mixer from various sources (e.g., guitar, computer) and one output cable leading to an amplifier, demonstrating its 4-in-1-out mixing capability.

5.5 Setup Video Guide

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Video 5.1: Official product video demonstrating the features and connectivity of the DoukAudio MC5 4-channel audio mixer, including its compact size, input/output options, and volume controls. This video provides a visual guide to setting up and using a similar DoukAudio mini mixer.

6. OPERATING INSTRUCTIONS

6.1 Adjusting Input Volumes

Each input channel (IN-1 to IN-4) has a dedicated rotary knob. Turn the knob clockwise to increase the volume of that specific input, and counter-clockwise to decrease it. Adjust each source to your desired level.

6.2 Adjusting Master Output Volume

The 'VOL' knob controls the overall output volume of the mixed audio. Adjust this knob to set the final listening level for your headphones or speakers.

6.3 Active vs. Passive Mode Usage

- **Active Mode (IC):** Provides amplification for your audio signals. This is recommended when using low-output devices or when you need a stronger output signal. Requires 5V DC power via the USB-C port.
- **Passive Mode (PASS):** Mixes audio signals without amplification. This mode is suitable for line-level sources that already have sufficient volume and when you prefer a pure, uncolored audio signal without external power.

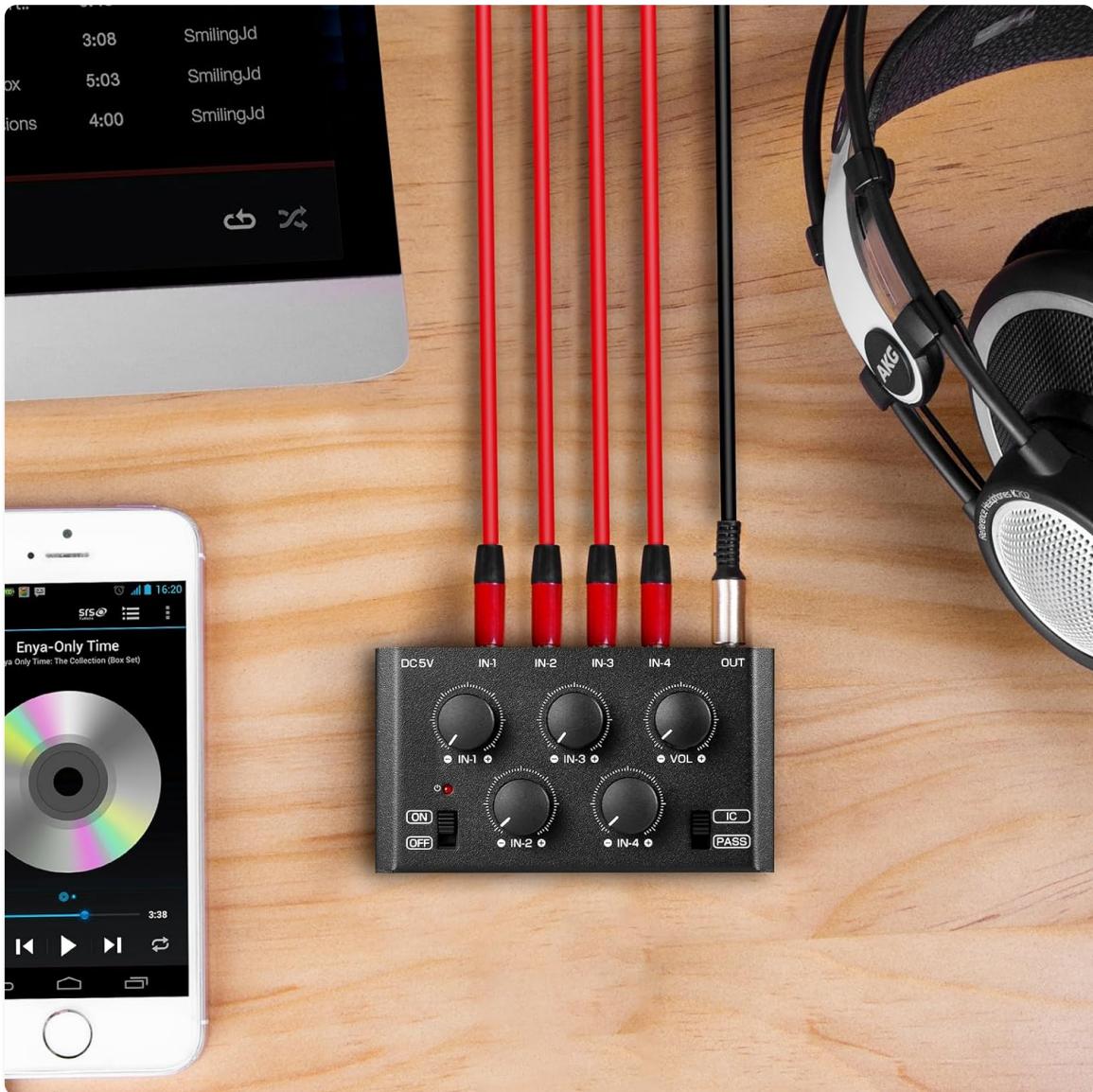


Figure 6.1: The mixer on a desk, connected to a smartphone playing music and headphones, illustrating a common use case for personal audio mixing.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or aerosols.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Cable Care:** Avoid bending or crimping cables excessively. Disconnect cables by pulling the plug, not the cable itself.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No sound output.	<ul style="list-style-type: none"> Incorrect cable connections. Low volume settings. Mixer in passive mode with low-level input. Power off (active mode). 	<ul style="list-style-type: none"> Check all input and output cable connections. Increase input and master output volume knobs. Switch to active mode (IC) and ensure 5V DC power is connected. Ensure power switch is 'ON' and indicator LED is lit (active mode).
Distorted or noisy sound.	<ul style="list-style-type: none"> Input signal too high. Ground loop interference. Faulty cables. 	<ul style="list-style-type: none"> Reduce input volume levels from the source or on the mixer. Ensure all devices are properly grounded. Try a ground loop isolator if necessary. Replace audio cables.
Power indicator not lighting up (active mode).	<ul style="list-style-type: none"> No 5V DC power. Faulty USB-C cable. 	<ul style="list-style-type: none"> Check USB-C power connection and power source. Try a different USB-C cable.

9. SPECIFICATIONS

Feature	Specification
Model	MC5-BX
Input Channels	4 (3.5mm AUX)
Output Channels	1 (3.5mm AUX)
Power Source	Passive or USB 5V DC
Voltage	5 Volts (DC)
Dimensions (D x W x H)	2.32" x 4.25" x 0.98" (59mm x 106mm x 24mm)
Item Weight	7.2 ounces (206g)
Connectivity Technology	Auxiliary
Circuitry	Ultra Low-Noise

Feature	Specification
Construction	Durable Metal (Aluminum Alloy)

10. WARRANTY AND SUPPORT

Douk Audio products are designed for reliability and performance. For warranty information and technical support, please refer to the official Douk Audio website or contact your retailer. Keep your purchase receipt as proof of purchase for any warranty claims.

For further assistance, please visit the [Douk Audio Store on Amazon](#) or contact customer service.

Related Documents - MC5-BX

	<p>Douk Audio MC5 Mini 4 Channel Stereo Audio Mixer User Manual</p> <p>User manual for the Douk Audio MC5 Mini 4 Channel Stereo Audio Mixer, detailing its passive circuit design, usage diagram, parameters, and contact information. Learn how to connect audio sources and optimize sound quality.</p>
	<p>Douk Audio L1 Mini Stereo Amplifier User Manual and Specifications</p> <p>Comprehensive user manual for the Douk Audio L1 mini stereo amplifier. Learn about its features, applications, how to use it, and technical specifications for boosting audio output.</p>
	<p>DOUK AUDIO Lepy 168 Plus Bluetooth Amplifier for Home & Car Hi-Fi Stereo USB/AUX/RCA</p> <p>Discover the DOUK AUDIO Lepy 168 Plus, a versatile 2.1 channel Bluetooth power amplifier designed for home and car use. This mini Hi-Fi stereo amplifier offers 90W total output, multiple inputs (USB, SD, AUX, RCA), and remote control functionality. Includes detailed specifications and usage instructions.</p>



[Douk Audio SP102 Passive Audio Selector User Manual](#)

User manual for the Douk Audio SP102 passive audio selector, detailing its features, operation, specifications, and contact information. Supports 200W per channel and multiple amplifier/speaker configurations.



[One Little Bear MC104 PRO 4-way Analog Audio Switcher Box - Product Overview](#)

Overview of the One Little Bear MC104 PRO 4-way Analog Audio Switcher Box by DOUK AUDIO. Features 4-IN-1-OUT and 1-IN-4-OUT audio selection with 3.5mm AUX interfaces, passive design, and independent channel switching.



[Douk Audio M10 Amplifier User Manual](#)

User manual for the Douk Audio M10 Hi-Fi Stereo Amplifier, detailing its features, connections, and operation for optimal audio performance.