

Douk Audio MC5-BX

Douk Audio MC5-BX Mini Stereo 4-Channel Audio Mixer User Manual

Model: MC5-BX

1. INTRODUCTION

The Douk Audio MC5-BX is a versatile mini stereo 4-channel audio mixer designed for various audio applications, including home studios and bar setups. It supports both active and passive operating modes, allowing for flexible integration into your audio system. This manual provides detailed instructions for setup, operation, and maintenance of your MC5-BX mixer.



Image 1.1: Front view of the Douk Audio MC5-BX Mini Stereo 4-Channel Audio Mixer.

2. SAFETY INFORMATION AND IMPORTANT NOTES

- **Power Adapter:** A DC 5V power adapter is not included. Please prepare one separately.
- **Active Mode Power Supply:** When operating in active mode, use an independent USB power supply for the MC5-BX. Do not share the same power supply with other audio devices, as this may introduce common ground noise.
- **Wireless Interference:** Keep wireless devices such as Wi-Fi routers or mobile phones away from the MC5-BX to prevent potential noise interference.
- **Audio Signal Compatibility:** The MC5-BX is designed for standard audio signals (e.g., from CD players, DVD players, phones). It cannot directly connect to phono turntables or microphones without appropriate pre-amplification.

3. PACKAGE CONTENTS

Please check the package for the following items:

- 1x Douk Audio MC5-BX Line Mixer
- 1x Type-C USB Cable

PACKING LIST

1x Line Mixer



Net Weight
206g/0.45lb

Package Weight
300g/0.66lb



1x Type-C USB Cable

4. PRODUCT OVERVIEW

4.1 Front Panel Controls



Image 4.1: Labeled front panel of the MC5-BX, showing all controls.

- **Input 1 Volume Knob (IN-1):** Adjusts the volume level for Input 1.
- **Input 2 Volume Knob (IN-2):** Adjusts the volume level for Input 2.
- **Input 3 Volume Knob (IN-3):** Adjusts the volume level for Input 3.
- **Input 4 Volume Knob (IN-4):** Adjusts the volume level for Input 4.
- **Output Volume Knob (VOL):** Adjusts the overall output volume.
- **Power ON/OFF Switch:** Toggles the power for the unit (primarily for active mode).
- **Power Indicator:** LED light indicating power status.
- **Active / Passive Mode Switch (IC/PASS):** Selects between active (IC) and passive (PASS) operating modes.

4.2 Rear Panel Connections



Image 4.2: Rear view of the MC5-BX, showing input and output ports.

- **DC 5V IN (Type-C USB):** Power input port for active mode operation.
- **IN-1, IN-2, IN-3, IN-4 (3.5mm AUX):** Four independent 3.5mm auxiliary audio input jacks.
- **OUT (3.5mm AUX):** Single 3.5mm auxiliary audio output jack.

5. SETUP AND CONNECTION

5.1 Passive Mode Setup

In passive mode, the MC5-BX does not require external power. It functions as a purely mechanical mixer, combining input signals. This mode is suitable for situations where signal amplification is not needed or when connecting to devices with their own amplification.

1. Ensure the Active/Passive Mode Switch is set to **PASS**.
2. Connect your audio sources (e.g., phone, Xbox, computer, CD player) to the **IN-1** through **IN-4** 3.5mm AUX input jacks.
3. Connect your output device (e.g., headphone amplifier, amplifier, mixer) to the **OUT** 3.5mm AUX output jack.
4. Adjust the individual input volume knobs and the master output volume knob as desired.



Image 5.1: Connection diagram for the MC5-BX in passive mode, showing inputs from various devices and output to an amplifier.

5.2 Active Mode Setup

Active mode requires external DC 5V power via the Type-C USB port. In this mode, the mixer provides signal buffering and potentially a slight gain, offering a more robust output signal and better isolation between inputs.

1. Ensure the Active/Passive Mode Switch is set to **IC**.
2. Connect a DC 5V (0.5A) power adapter (not included) to the **DC 5V IN** Type-C USB port. Use an independent power supply for the mixer.
3. Connect your audio sources (e.g., phone, Xbox, computer, CD player) to the **IN-1** through **IN-4** 3.5mm AUX input jacks.
4. Connect your output device (e.g., headphone, amplifier, mixer) to the **OUT** 3.5mm AUX output jack.
5. Turn on the mixer using the Power ON/OFF switch. The power indicator LED will illuminate.
6. Adjust the individual input volume knobs and the master output volume knob as desired.

Active mode



3.5mm AUX Output



4*3.5mm AUX Input



Type-C USB
DC 5V IN

Image 5.2: Connection diagram for the MC5-BX in active mode, showing inputs from various devices and output to headphones or an amplifier, with the Type-C USB power connection.



Image 5.3: Example of connecting four audio sources to the MC5-BX, with a single output.

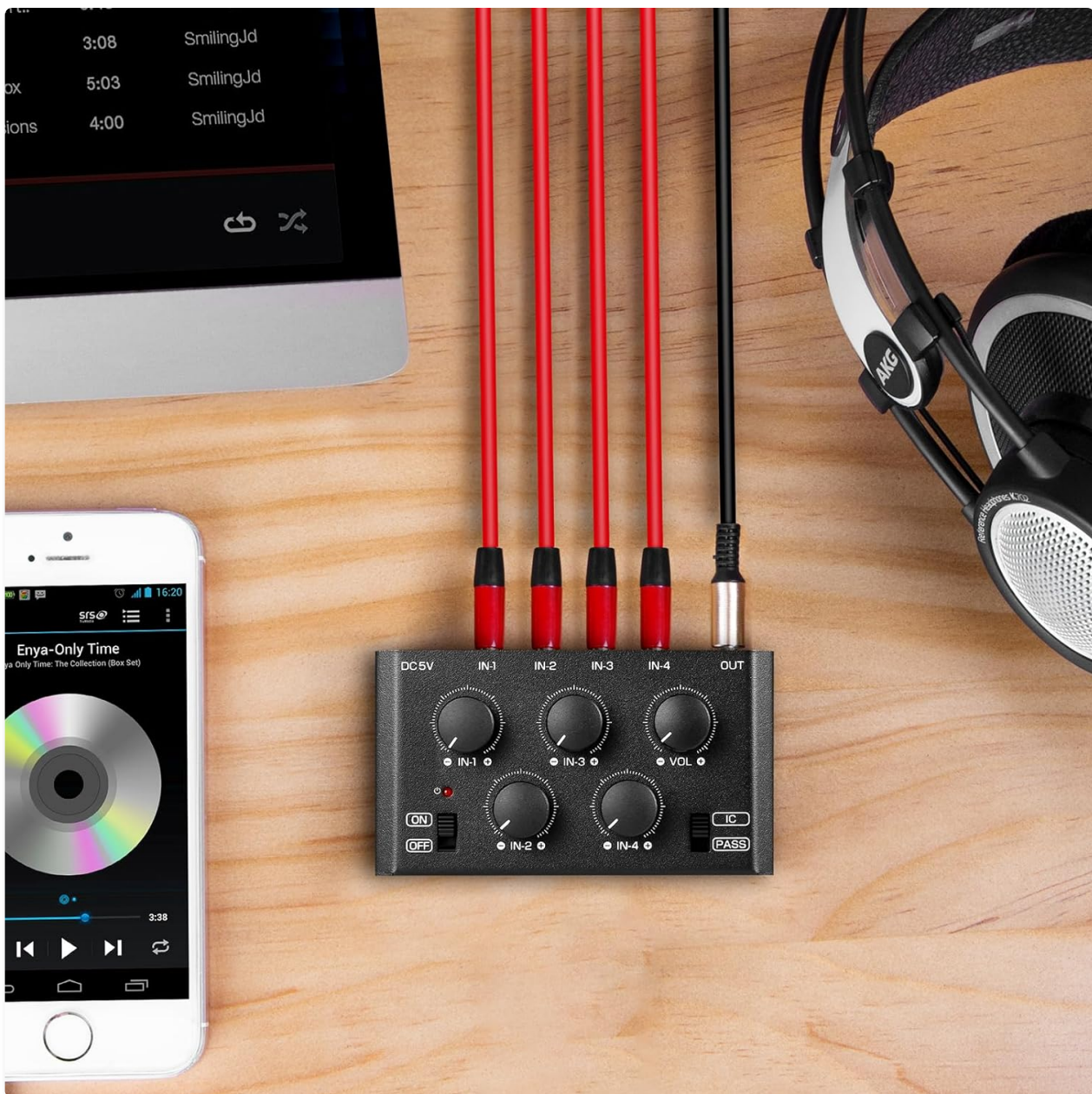


Image 5.4: Example of the MC5-BX integrated into a desktop audio setup, mixing audio from a phone and a computer to headphones.

6. OPERATING INSTRUCTIONS

Once connected, operating the MC5-BX is straightforward:

1. **Select Mode:** Choose between Active (IC) or Passive (PASS) mode using the switch on the front panel, based on your power requirements and desired signal characteristics.
2. **Power On (Active Mode Only):** If in active mode, press the ON/OFF switch to power on the unit. The power indicator will light up.
3. **Adjust Input Volumes:** Rotate the individual input volume knobs (IN-1 to IN-4) clockwise to increase the volume of each respective audio source, and counter-clockwise to decrease it.
4. **Adjust Output Volume:** Rotate the master output volume knob (VOL) clockwise to increase the overall mixed output volume, and counter-clockwise to decrease it.
5. **Monitoring:** Listen to the mixed audio through your connected output device and fine-tune the volume levels for a balanced sound.

7. SPECIFICATIONS

Parameter	Value
Audio Input	4 groups of 3.5mm AUX
Audio Output	1x 3.5mm AUX
Passive Mode Power	No power required
Passive Mode Input Impedance	50K Ω
Passive Mode Output Impedance	4.7K Ω
Active Mode Working Voltage	DC 5V (0.5A)
Active Mode Power Interface	Type-C USB
Active Mode Output Impedance	3 Ω
Dimensions (L*W*H)	108*59*25mm / 4.25*2.32*0.98in (not including knobs)
Net Weight	206g / 0.45lb
Package Weight	300g / 0.66lb

8. TROUBLESHOOTING

• No Sound or Low Volume:

- Check all cable connections to ensure they are secure.
- Verify that the individual input volume knobs and the master output volume knob are turned up sufficiently.
- If in active mode, ensure the unit is powered on and the power indicator is lit.
- Confirm that your audio sources are playing and their output volume is adequate.

• Humming or Noise:

- If in active mode, ensure you are using an **independent** DC 5V power supply for the MC5-BX. Sharing a power supply with other audio devices can cause common ground noise.
- Move wireless devices (e.g., Wi-Fi routers, mobile phones) away from the mixer to reduce potential interference.
- Check audio cables for damage or poor shielding. Try different cables if possible.

• Distorted Audio:

- Reduce the input volume from your audio sources or the individual input volume knobs on the mixer to prevent clipping.
- Ensure the output volume is not set too high, causing distortion in the connected amplifier or headphones.

9. MAINTENANCE

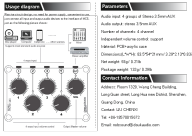

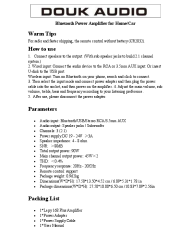

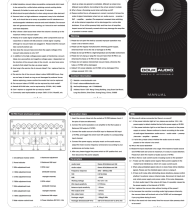
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use liquid cleaners or solvents.

- **Storage:** Store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping or subjecting the unit to strong impacts.

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided at the time of purchase or contact Douk Audio customer service through their official channels. Keep your purchase receipt as proof of purchase.

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>
	<p>Douk Audio M10 Amplifier User Manual</p> <p>User manual for the Douk Audio M10 Hi-Fi Stereo Amplifier, detailing its features, connections, and operation for optimal audio performance.</p>
	<p>Douk Audio T8PRO 7-Band EQ Tube Preamp Equalizer User Manual</p> <p>User manual for the Douk Audio T8PRO, a 7-band EQ tube preamp equalizer featuring XLR balanced inputs/outputs. Details features, technical specifications, operation, safety, and troubleshooting.</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.