

Douk Audio MC103

Douk Audio Nobsound Little Bear MC103 XLR Balanced Stereo Audio Switcher User Manual

Model: MC103

1. INTRODUCTION

The Douk Audio Nobsound Little Bear MC103 is a passive XLR balanced stereo audio switcher designed to manage multiple audio sources or destinations. This device allows users to select between three input sources to one output, or one input source to three output destinations, providing flexibility in audio system configurations without requiring external power.

2. PRODUCT OVERVIEW

The MC103 features a robust metal casing and high-quality XLR connectors, ensuring signal integrity and durability. Its passive design means no power supply is needed, simplifying setup and reducing potential noise interference.

2.1 Key Features

- **3-IN-1-OUT or 1-IN-3-OUT Functionality:** Versatile for various audio setups.
- **XLR Balanced Connections:** Ensures high-fidelity audio transmission and minimizes noise.
- **Passive Design:** No external power required.
- **Compact and Durable:** Solid construction for long-term reliability.

2.2 Components

The device consists of a main unit with front and rear panels. The front panel includes the selector knob and input/output indicators, while the rear panel houses the XLR input and output ports.



Figure 1: Front view of the Little Bear MC103 XLR switcher, showing the selector knob and XLR ports.



Figure 2: Rear view of the Little Bear MC103, illustrating the labeled IN and OUT XLR ports for left (L) and right (R) channels.

3. SETUP INSTRUCTIONS

Follow these steps to set up your Little Bear MC103 audio switcher:

1. **Placement:** Place the MC103 on a stable, flat surface near your audio equipment. Ensure adequate ventilation and avoid placing it near strong electromagnetic fields.
2. **Cabling:** Use high-quality XLR balanced cables for all connections.
3. **Connection Modes:**
 - **3-IN-1-OUT Mode:** Connect up to three audio sources (e.g., DACs, preamps) to the 'IN' ports (labeled 1, 2, 3). Connect your single audio destination (e.g., amplifier, active speakers) to the 'OUT' port.
 - **1-IN-3-OUT Mode:** Connect your single audio source (e.g., DAC) to the 'IN' port. Connect up to three audio destinations (e.g., multiple amplifiers, active speakers) to the 'OUT' ports (labeled 1, 2, 3). *Note: In this mode, you may need XLR gender changers if your cables are not compatible with the 'OUT' ports acting as inputs.*

4. **Power:** As a passive device, the MC103 does not require external power.

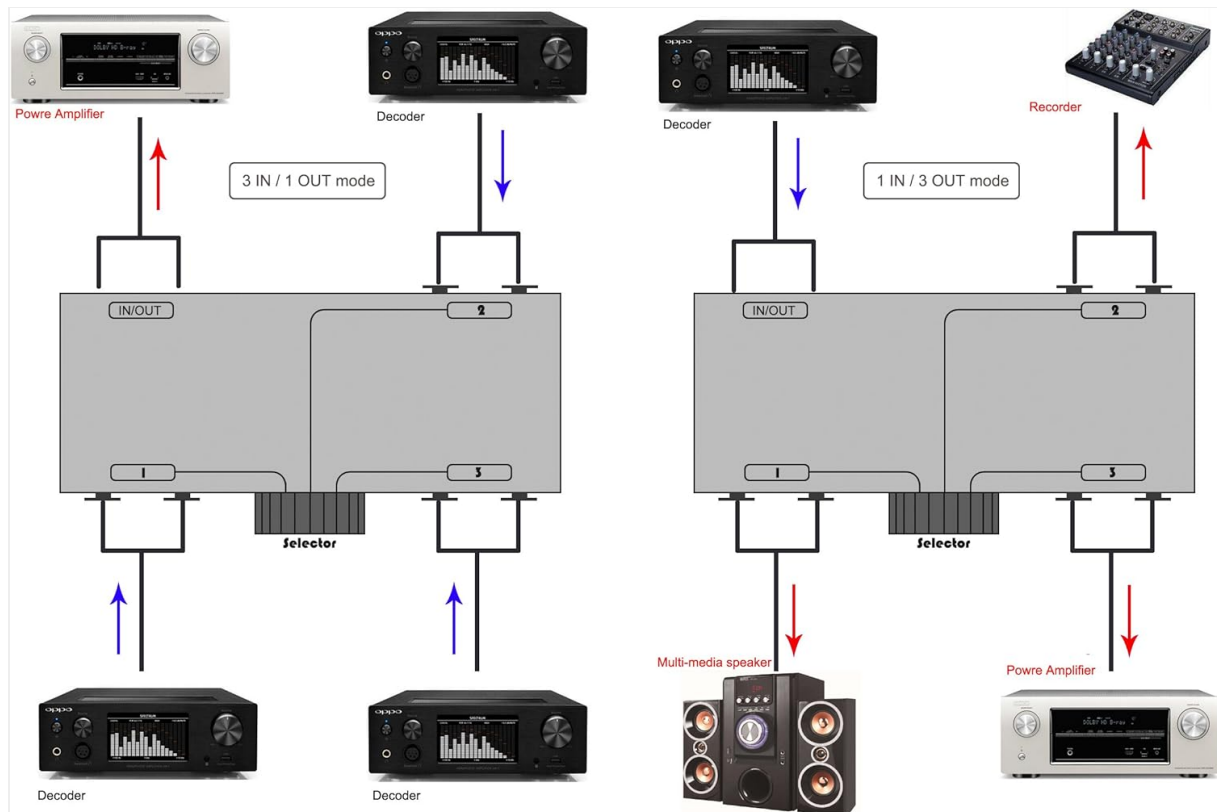


Figure 3: Connection diagrams illustrating both 3-IN-1-OUT and 1-IN-3-OUT configurations for the MC103 switcher.

4. OPERATING INSTRUCTIONS

Operating the Little Bear MC103 is straightforward:

1. **Select Source/Destination:** Rotate the selector knob on the front panel to choose the desired input (in 3-IN-1-OUT mode) or output (in 1-IN-3-OUT mode). The knob will click into position for each selection (1, 2, or 3).
2. **Audio Playback:** Once a selection is made, audio will pass through the selected path. Ensure your audio sources are playing and your audio destinations are powered on and set to the correct input.

5. SPECIFICATIONS

Feature	Specification
Model	MC103
Dimensions (L x W x H)	155mm x 60mm x 50mm
Weight	160g
Connector Type	XLR Balanced
Functionality	3-IN-1-OUT or 1-IN-3-OUT Audio Switcher
Power Supply	Passive (No external power required)
Compatibility	Devices with XLR audio connections (e.g., PCs, DACs, Amplifiers)



Figure 4: Physical dimensions of the Little Bear MC103 switcher.

6. TROUBLESHOOTING

If you encounter issues, refer to the following troubleshooting guide:

- **No Sound:**
 - Ensure all XLR cables are securely connected to both the MC103 and your audio equipment.
 - Verify that the selector knob is fully engaged on the desired input/output.
 - Check that your audio sources are playing and your audio destinations (amplifiers, speakers) are powered on and set to the correct input.
- **Humming or Noise:**
 - Ensure you are using balanced XLR cables. Unbalanced cables can introduce noise.
 - Check for proper grounding of all connected audio equipment.
 - Move the switcher away from power cables or other electronic devices that might cause interference.
- **Signal Bleed Between Channels:**
 - Ensure the selector knob is firmly clicked into position for the chosen channel.
 - Verify the integrity of your XLR cables; damaged cables can cause signal leakage.

7. MAINTENANCE

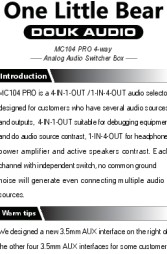


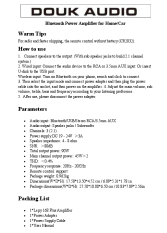

To ensure the longevity and optimal performance of your Little Bear MC103:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid using liquid cleaners or solvents.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Handling:** Handle the unit with care to prevent physical damage to the casing or connectors.

8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the Douk Audio official website or contact your authorized dealer. Keep your purchase receipt for warranty claims.

Related Documents - MC103

 <p>One Little Bear DOUK AUDIO MC104 PRO 4-way Analog Audio Switcher Box</p> <p>Introduction</p> <p>MC104 PRO is a 4-IN-1-OUT / 1-IN-4-OUT audio selector designed for customers who have several audio sources and outputs. 4-IN-1-OUT suitable for debugging equipment and do audio source control. 1-IN-4-OUT for headphone, power amplifier and active speakers control. Each channel with independent switch, no common ground noise will generate even connecting multiple audio sources.</p> <p>Warm tips</p> <p>We designed a new 3.5mm AUX interface on the right of the other four 3.5mm AUX interfaces for some customers.</p>	<p>One Little Bear MC104 PRO 4-way Analog Audio Switcher Box - Product Overview</p> <p>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.</p>
 <p>ONE Little Bear DOUK AUDIO MAKE HI-FI AFFORDABLE MANUAL</p>	<p>Douk Audio Little Bear MC102/MC1022 Audio Selector Manual</p> <p>User manual for the Douk Audio Little Bear MC102 and MC1022 audio selectors, detailing their features, usage, and specifications for 2-in-1-out and 1-in-2-out configurations.</p>
 <p>ONE Little Bear DOUK AUDIO MAKE HI-FI AFFORDABLE MANUAL</p>	<p>Douk Audio MC1023/MC1024/MC1024-BOX 2-Way Audio Switcher User Manual</p> <p>Comprehensive user manual for Douk Audio's MC1023, MC1024, and MC1024-BOX 2-way speaker and headphone audio switchers. Features include A/B input selection, volume control, and microphone muting. Details setup, parameters, and contact information.</p>
 <p>DOUK AUDIO Bluetooth Power Amplifier for Speaker</p> <p>Warm Tips</p> <p>1. Do not connect the amplifier to the power supply directly. Please use the power supply provided in the package.</p> <p>How to use</p> <p>1. Please connect the amplifier to the power supply.</p> <p>2. Please connect the amplifier to the speaker.</p> <p>3. Please connect the amplifier to the audio source.</p> <p>4. Please connect the amplifier to the remote control.</p> <p>5. Please connect the amplifier to the power supply.</p> <p>6. Please connect the amplifier to the speaker.</p> <p>7. Please connect the amplifier to the audio source.</p> <p>8. Please connect the amplifier to the remote control.</p> <p>9. Please connect the amplifier to the power supply.</p> <p>10. Please connect the amplifier to the speaker.</p> <p>Parameter</p> <ul style="list-style-type: none">• Model: Lepy 168 Plus• Power: 90W• Frequency: 20Hz-20KHz• Impedance: 4Ω, 8Ω, 16Ω• Input: USB, SD, AUX, RCA• Output: 2x 45W• Dimensions: 120mm x 60mm x 40mm• Weight: 1.2kg <p>Packing List</p> <ul style="list-style-type: none">• 1x Lepy 168 Plus Amplifier• 1x Remote Control• 1x Power Supply• 1x User Manual	<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 T8PRO 7-Band EQ Tube Preamp Equalizer</p> <p>Warm Tips</p> <p>1. Please connect the amplifier to the power supply.</p> <p>2. Please connect the amplifier to the speaker.</p> <p>3. Please connect the amplifier to the audio source.</p> <p>4. Please connect the amplifier to the remote control.</p> <p>5. Please connect the amplifier to the power supply.</p> <p>6. Please connect the amplifier to the speaker.</p> <p>7. Please connect the amplifier to the audio source.</p> <p>8. Please connect the amplifier to the remote control.</p> <p>9. Please connect the amplifier to the power supply.</p> <p>10. Please connect the amplifier to the speaker.</p> <p>Parameter</p> <ul style="list-style-type: none">• Model: T8PRO• Power: 10W• Frequency: 20Hz-20KHz• Impedance: 4Ω, 8Ω, 16Ω• Input: USB, SD, AUX, RCA• Output: 2x 5W• Dimensions: 120mm x 60mm x 40mm• Weight: 1.2kg <p>Packing List</p> <ul style="list-style-type: none">• 1x T8PRO Amplifier• 1x Remote Control• 1x Power Supply• 1x User Manual	<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>

— *Bluetooth Digital Power Amplifier*

- 40 X and USB nodes only can be installed and chosen when there are AIX and USB nodes source code.

- Headphone output and USB input are rudimentary.
- Remove current from the power supply first, and then plug into the socket, otherwise there will be some sparks, but it's safe and harmless to TONE.
- Default with 1W/0.5A power supply, if you need higher output power, you can prepare another 3W/1.5A output C&E from 100-5.2. Since power is made by yourself.

1. Supporting ECAMON25B network inputs and speaker headphone outputs to meet all

- Bluetooth 5.0 compatible with various Bluetooth devices, also can as USB sound card, supporting computer (no driver is required) and phones with OTG function input.
- Hi-Fi clear sound, no audible hiss even at large-volume output.
- Supports a jump to 50V/2, easily can drive most home speakers.
- Unique dual LED display on front panel, shows the volume clearly and makes the music more dynamically.
- Mini size and attractive appearance suits home and desktop use.

1. Connect TUNE to the power supply and then plug into the socket, the left and LED is the front panel will be on.

2. **Wire input:**
 - Connecting to audio source on and off, connecting proper audio input (USB / RCA / AUX) and output (speaker or headphone) cable.
 - Press the power button for 25 to turn it on and the right LED will be on.
 - Press the **VOLUME/BOOST** to select right audio input mode.
3. **Wireless input:**
 - Connecting **TONE** output to the speaker or headphone.
 - Press the power button for 25 to turn it on and the right LED will be on.
 - Short press the **VOLUME/BOOST** key to Bluetooth mode when Bluetooth is on. LED flashes.
 - Search Bluetooth near End Audio TONE on your audio device, after successful connection, the Bluetooth LED will be always on.
4. Then you can adjust the volume by rotating **VOLUME** knob, and pause / play the music by short pressing the power button.

Comprehensive guide to the Douk Audio TONE Bluetooth amplifier, covering features, usage instructions, technical specifications, and connectivity options for home audio systems.