

Nobsound MC102

Nobsound Little Bear MC102 Mini Stereo Audio Selector User Manual

Model: MC102

1. INTRODUCTION

The Nobsound Little Bear MC102 is a compact, passive 3.5mm stereo audio selector designed to manage multiple audio sources and outputs. This device allows users to switch between two audio inputs to one output, or one audio input to two outputs, without requiring external power. Its passive design ensures no impact on sound quality.



Image 1: The Nobsound Little Bear MC102 Mini Stereo Audio Selector.

2. PRODUCT FEATURES AND COMPONENTS

The MC102 features a straightforward design for ease of use. Key components include:

- **A Input Jack:** Connects to an audio source or output.
- **B Input Jack:** Connects to a second audio source or output.
- **IN/OUT Jack (Priority):** Main audio input or output port.
- **A,B Input Selector:** Button to switch between A and B channels.
- **Volume Control:** Rotary knob to adjust audio output level.
- **Mute Button:** Instantly mutes the audio output.
- **New 3.5mm Port (between A and B):** An additional input/output port for convenience, though the main IN/OUT port has priority.

ATTENTIONS:

- ① MC102 Black is upgraded now.

New version adopts customized potentiometers and isolation modules, which can fix the possible volume adjustment and background noises.

- ② New MC102 is still not compatible with turntables.

PHONO signal is so low that you may find your output is lower than usual. You can try but we can't guarantee it will work.

- ③ It cannot be connected with passive speakers directly.

You can connect sound source -- (preamplifier) -- MC102 -- active speakers, or sound source -- MC102 -- amplifier -- passive speakers.

- ④ You may notice there is a new 3.5mm port between the original A and B ports.

It was added according to some customers' needs, who want to connect all cables at one side.

The opposite 3.5mm port still has priority than the new port.

Image 2: Front panel overview of the MC102 with labeled input/output jacks, selector, volume control, and mute button.

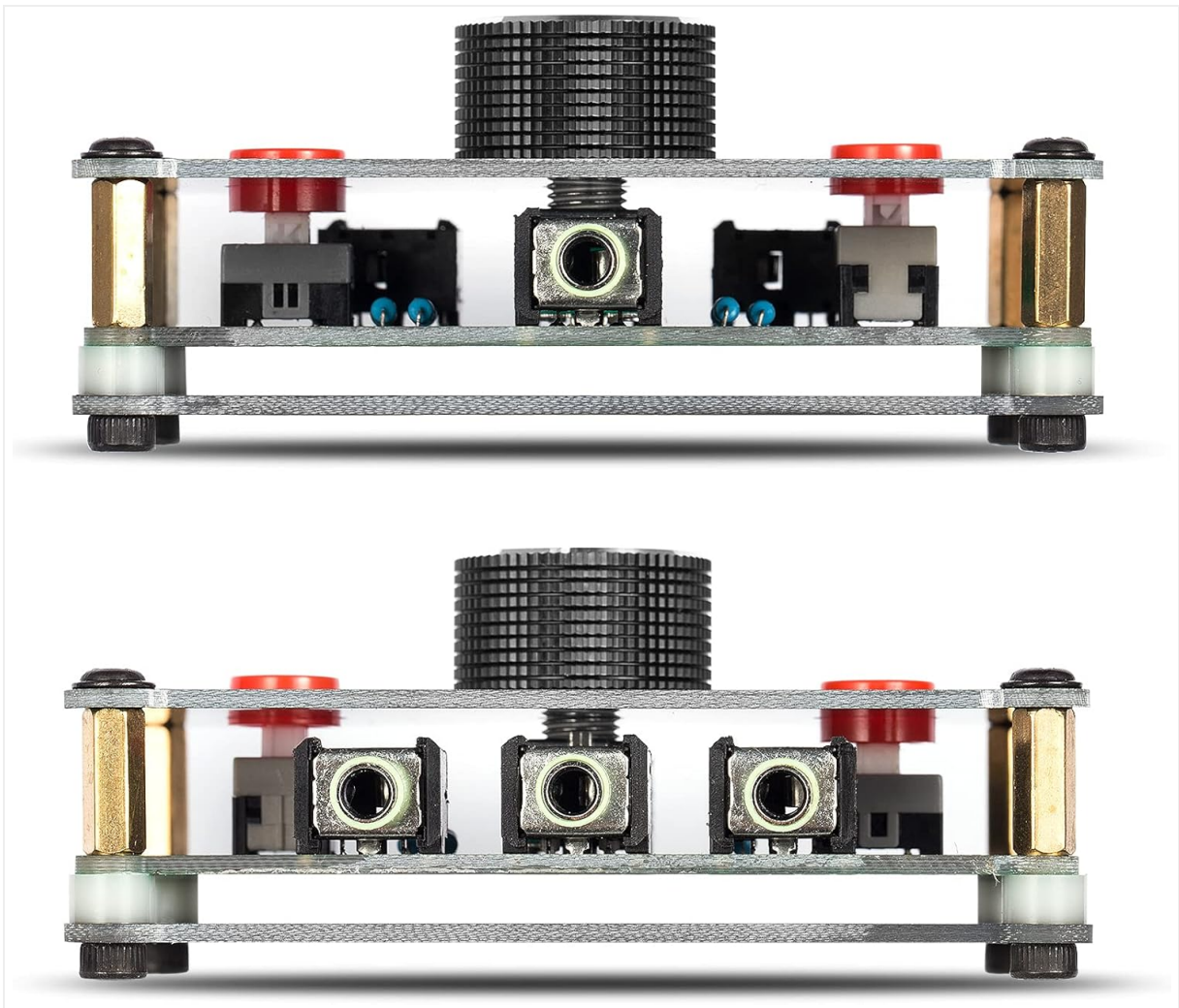


Image 3: Top and bottom views of the MC102, illustrating the internal layout and port arrangement.

3. SETUP AND CONNECTION

The MC102 offers flexible connection options for various audio setups. Ensure all devices are powered off before making connections.

3.1. 2-IN-1-OUT Configuration

This configuration allows you to connect two audio sources to the MC102 and select one to output to a single audio device (e.g., active speakers, headphones).

1. Connect your first audio source (e.g., CD player, computer) to the **A Input Jack**.
2. Connect your second audio source (e.g., smartphone, tablet) to the **B Input Jack**.
3. Connect your audio output device (e.g., active speakers, headphones) to the **IN/OUT Jack**.

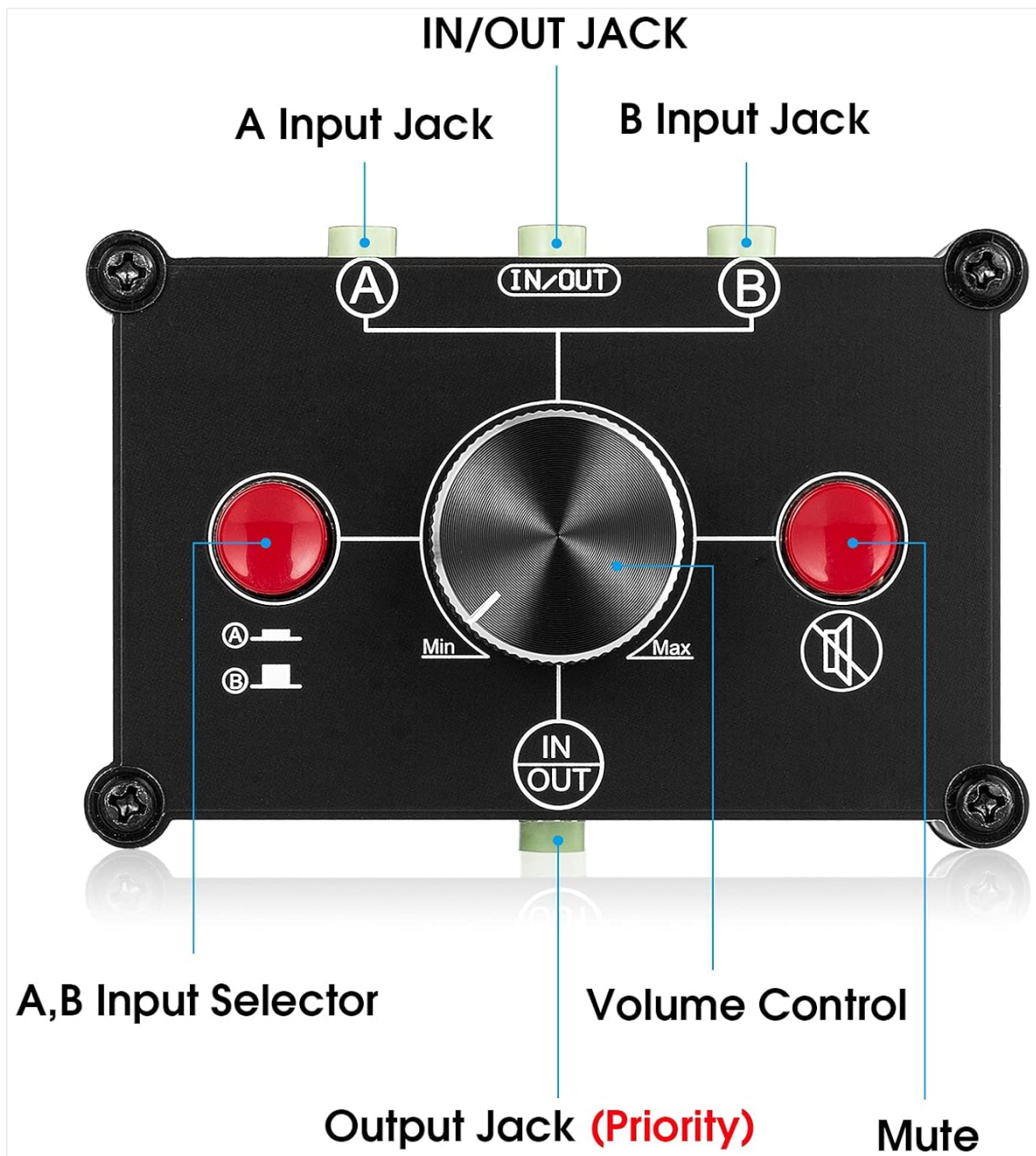


Image 4: Connection diagram for 2-IN-1-OUT setup. Two audio sources (computer, smartphone) connect to A and B inputs, and the output (headphones or speakers) connects to the IN/OUT port.

3.2. 1-IN-2-OUT Configuration

This configuration allows you to connect one audio source to the MC102 and output the audio to two different audio devices (e.g., headphones and active speakers), selecting which one is active.

1. Connect your audio source (e.g., computer, smartphone) to the **IN/OUT Jack**.
2. Connect your first audio output device (e.g., active speakers) to the **A Input Jack**.
3. Connect your second audio output device (e.g., headphones) to the **B Input Jack**.

1-IN-2-OUT

Connect one audio source to IN/OUT port and two audio outputs to A/B port

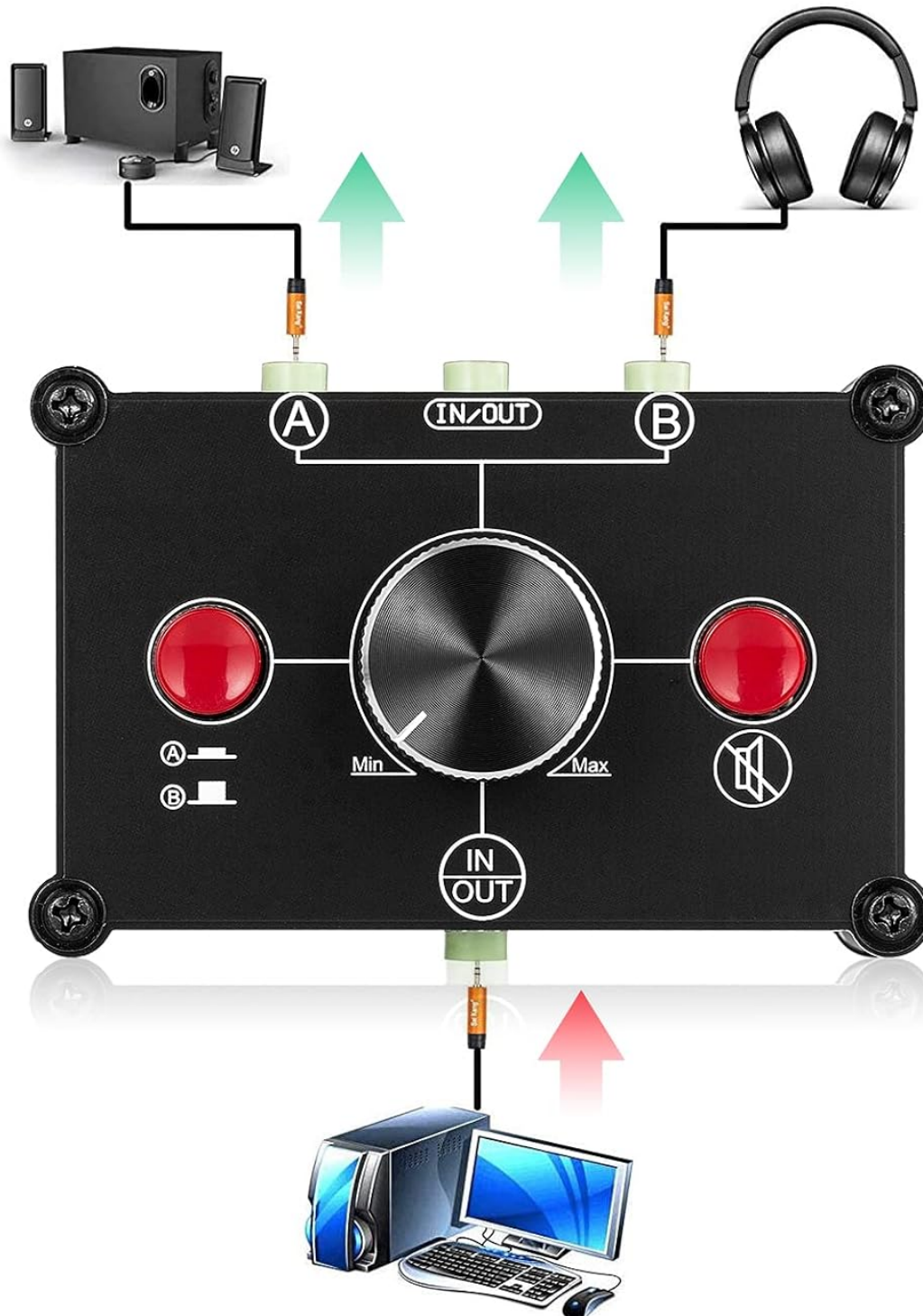


Image 5: Connection diagram for 1-IN-2-OUT setup. One audio source (computer) connects to the IN/OUT port, and two output devices (speakers, headphones) connect to A and B inputs.

4. OPERATING INSTRUCTIONS

Once connected, operating the MC102 is straightforward:

- **Selecting Input/Output:** Press the **A/B Input Selector** button to toggle between the A and B channels. The active channel will be indicated by the button's position.

- **Volume Adjustment:** Rotate the **Volume Control** knob clockwise to increase volume and counter-clockwise to decrease it.
- **Mute Function:** Press the **Mute Button** to instantly silence the audio output. Press it again to unmute.

5. IMPORTANT NOTES AND CONSIDERATIONS

Please observe the following important notes for optimal performance and compatibility:



Image 6: Important notes for the MC102, detailing specific usage conditions and features.

1. **Upgraded Components:** The MC102 Black version features customized potentiometers and isolation modules designed to minimize potential volume adjustment issues and background noise.
2. **Turntable Incompatibility:** The MC102 is not compatible with turntables directly. PHONO signals are typically too low, resulting in lower than usual output. Direct connection may not work effectively.
3. **Passive Speaker Connection:** This device cannot be connected directly to passive speakers. To use with passive speakers, you must connect your sound source to a preamplifier, then to the MC102, and finally to active speakers. Alternatively, connect your sound source to the MC102, then to an amplifier, and finally to passive speakers.
4. **New 3.5mm Port:** A new 3.5mm port has been added between the original A and B ports for user convenience, allowing all cables to be connected on one side. However, the opposite 3.5mm port (the main IN/OUT port) still has priority over this new port.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Nobsound Little Bear MC102, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Avoid using liquid cleaners or solvents, as they may damage the finish or internal components.
- **Environment:** Store and operate the device in a dry, dust-free environment. Avoid exposure to extreme temperatures, humidity, or direct sunlight.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts.

- **Connections:** Periodically check all cable connections to ensure they are secure and free from damage.

7. TROUBLESHOOTING

If you encounter issues with your MC102, refer to the following troubleshooting steps:

- **No Sound Output:**

- Verify all audio cables are securely connected to the correct ports on the MC102 and your audio devices.
- Ensure the volume control knob on the MC102 is not set to minimum.
- Check if the mute button is engaged. Press it to disengage.
- Confirm that your audio source device is playing audio and its volume is adequately set.
- If using the 1-IN-2-OUT configuration, ensure the correct output channel (A or B) is selected.

- **Humming or Background Noise:**

- Ensure all cables are in good condition and properly shielded.
- Try using different audio cables to rule out faulty cabling.
- Disconnect other electronic devices that might be causing interference.
- As a passive device, the MC102 relies on the quality of the input signal. If the source signal is noisy, the output will reflect this.

- **Low Volume Output:**

- Increase the volume on both your audio source device and the MC102.
- Ensure you are not attempting to connect a turntable directly, as the PHONO signal level is too low for this passive device.
- If connecting to passive speakers, confirm that an external amplifier is used, as the MC102 does not provide amplification.

8. SPECIFICATIONS

The following are the technical specifications for the Nobsound Little Bear MC102 Mini Stereo Audio Selector:

Feature	Specification
Model Number	GFJ556
Brand	Nobsound
Type	Passive Audio Selector / Splitter
Connector Type	3.5mm Jack
Number of Ports	2 (A, B) + 1 (IN/OUT) + 1 (New Central)
Dimensions (L x W x H)	8.2 x 5.5 x 2 cm (approximately)
Color	Black
Compatible Devices	Satellite receiver, laptop, television, smartphone (partial list)
Power Requirement	None (Passive Device)

2-IN-1-OUT

Connect two audio sources (like CD player / computer) to A/B ports and one audio output (like active speakers) to IN/OUT port

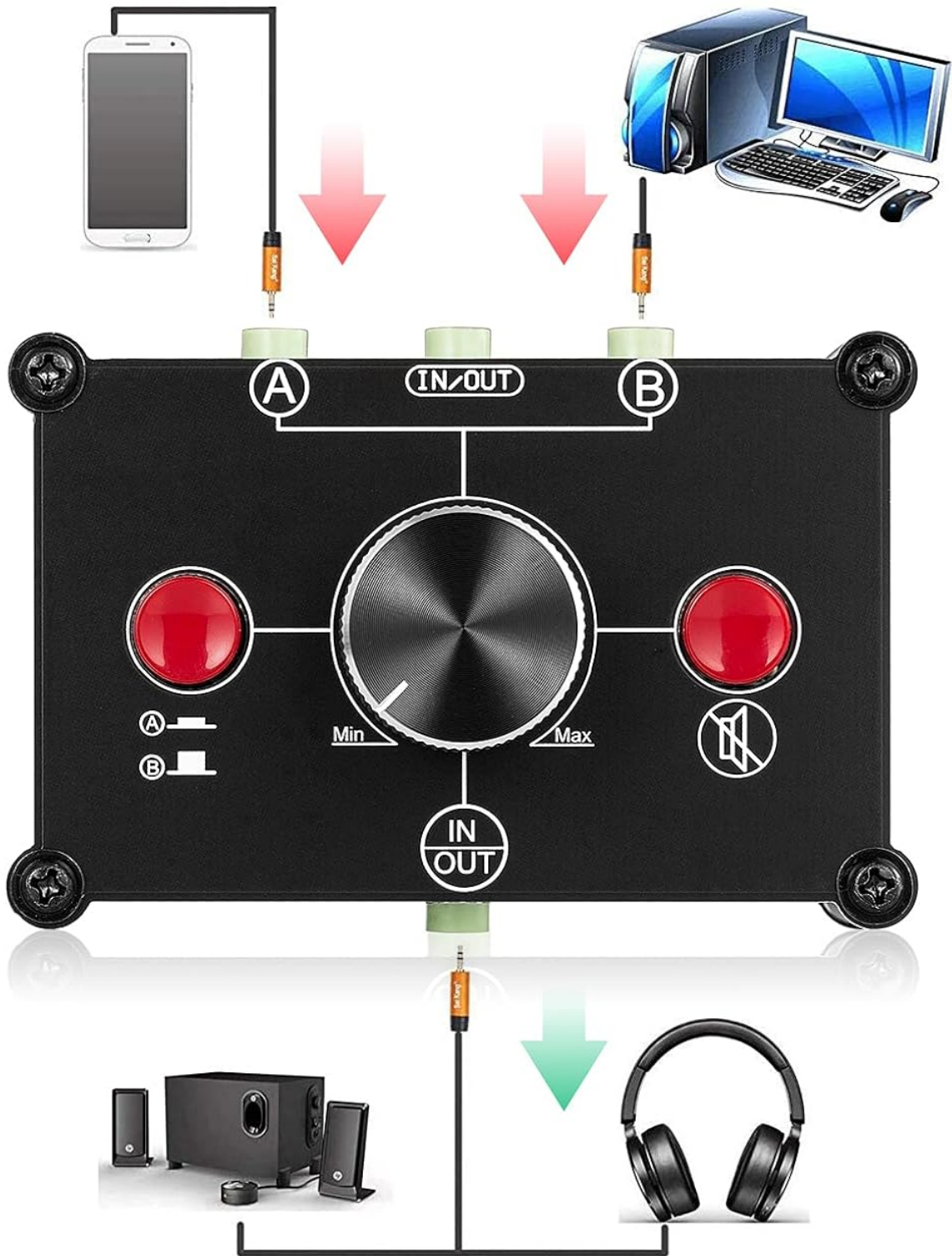


Image 7: Packing list and dimensions of the MC102. Net Weight: 100g/0.22lb, Package Weight: 200g/0.44lb.

9. WARRANTY AND SUPPORT

For warranty information, technical assistance, or customer support regarding your Nobsound Little Bear MC102, please refer to the manufacturer's official website or contact their customer service department directly. It is

recommended to retain your purchase receipt as proof of purchase for any warranty claims.