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Nobsound MC103-Pro

Nobsound MC103 Pro 3-OUT 1-IN-3-OUT XLR Audio Switch User Manual

1. Introduction

The Nobsound MC103 Pro is a passive 1-input, 3-output stereo XLR audio switch designed for routing a single balanced XLR audio source to three different XLR-compatible audio devices, such as amplifiers or active speakers. This device allows users to easily select between three output destinations without affecting the audio signal quality. Its passive design ensures no power is required for operation and maintains signal integrity.

2. Safety Information

- Do not expose the device to water, moisture, or extreme temperatures.
- Avoid placing the device in direct sunlight or near heat sources.
- Do not attempt to open or modify the device. There are no user-serviceable parts inside.
- Use only appropriate XLR cables for connections.
- Ensure all audio equipment is powered off before making or changing connections.

3. Package Contents

- Nobsound MC103 Pro 3-OUT XLR Audio Switch (1 unit)
- User Manual (this document)

4. Product Overview

4.1 Front Panel

The front panel features a single rotary knob used to select the active output channel.



Image 1: Front view of the Nobsound MC103 Pro, showing the main rotary selector knob labeled X, Y, and Z for output selection.

4.2 Rear Panel

The rear panel houses all audio input and output connections.



Image 2: Rear view of the Nobsound MC103 Pro, illustrating the stereo XLR input (I/O) and three stereo XLR output pairs (X, Y, Z). Each pair is clearly marked for Left (L) and Right (R) channels.

4.3 Key Features

- **Passive Design:** No external power supply required, ensuring pure signal transmission without active components that could introduce noise.
- **High-Quality Signal Transmission:** Features an all-aluminum casing to effectively shield against external interference. Gold-plated XLR ports ensure reliable electrical connections and minimize signal degradation. Each internal channel is connected with shielded wiring to prevent crosstalk and maintain signal integrity.
- **Compact and Durable:** Designed with a mini size for easy placement and portability, housed in a robust aluminum chassis.



Image 3: Internal view of the Nobsound MC103 Pro, highlighting the shielded wiring for each channel, designed to prevent external interference and ensure high-quality signal transmission.



Image 4: Close-up of the Nobsound MC103 Pro, emphasizing its passive audio switch nature, which means it does not alter the sound quality and uses silver-plated contacts for smooth operation.

5. Setup Instructions

1. **Power Off Equipment:** Ensure all audio source devices and output devices (amplifiers, active speakers) are powered off before making any connections.
2. **Connect Audio Source:** Connect your balanced XLR audio source (e.g., DAC, mixer, preamplifier) to the 'I/O' XLR input ports on the rear of the MC103 Pro. Ensure correct left (L) and right (R) channel connections.
3. **Connect Output Devices:** Connect your three XLR-compatible audio output devices (e.g., amplifiers, active speakers) to the 'X', 'Y', and 'Z' XLR output ports on the rear of the MC103 Pro. Ensure correct left (L) and right (R) channel connections for each output.
4. **Power On:** Once all connections are secure, power on your audio source and then your output devices.

6. Operating Instructions

After completing the setup, the Nobsound MC103 Pro is ready for use.

1. **Select Output:** Use the rotary knob on the front panel of the MC103 Pro to select the desired output channel. Turn the knob to 'X', 'Y', or 'Z' to route the input audio signal to the corresponding output device.
2. **Active Output:** Only one output channel (X, Y, or Z) can be active at a time. The audio signal will be sent exclusively to the selected output.

7. Maintenance

- **Cleaning:** Keep the device clean by wiping it with a soft, dry, lint-free cloth. Avoid using liquid cleaners, abrasive materials, or solvents, as these may damage the finish or internal components.
- **Connections:** Periodically check that all XLR connections are secure and free from dust or debris.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place away from direct sunlight.

8. Troubleshooting

8.1 No Sound Output

- **Check Connections:** Ensure all XLR cables are securely connected to the input and output ports of the MC103 Pro, as well as to your audio source and output devices.
- **Verify Source:** Confirm that your audio source is powered on and playing audio.
- **Verify Output Device:** Ensure your selected output device (amplifier, active speaker) is powered on, set to the correct input, and its volume is turned up.
- **Selector Position:** Make sure the front rotary knob is firmly set to one of the output positions (X, Y, or Z).

8.2 Distorted or Low-Quality Sound

- **Cable Quality:** Ensure you are using high-quality, properly shielded XLR cables. Faulty or damaged cables can cause distortion.
- **Source Quality:** Check if the audio source itself is producing a clean signal.
- **Output Device:** Test your output device directly with the audio source to rule out issues with the amplifier or speakers.

8.3 Hum or Noise

- **Grounding:** Ensure all connected audio equipment is properly grounded.
- **Cable Shielding:** Use well-shielded XLR cables to minimize interference.
- **Interference:** Keep the MC103 Pro and audio cables away from power cables, transformers, and other electronic devices that may emit electromagnetic interference.

9. Specifications



Image 5: Diagram showing the dimensions of the Nobsound MC103 Pro: 148mm (length), 105mm (width), and 69mm (height). Net weight is 470g, package weight is 540g.

Feature	Specification
Model Number	MC103-Pro
Input Ports	1 x Stereo XLR (L/R)
Output Ports	3 x Stereo XLR (L/R)
Connector Type	XLR
Audio Output Mode	Stereo
Dimensions (L x W x H)	14.8 x 10.5 x 6.9 cm (5.83 x 4.13 x 2.72 inches)
Product Weight	400 grams (0.88 lbs)
Color	Black
Housing Material	Aluminum

10. Warranty and Support

Nobsound products are designed for reliability and performance. For warranty information and technical support, please refer to the documentation provided at the time of purchase or visit the official Nobsound website. Please retain your proof of purchase for warranty claims.

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