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› Douk Audio VU102 2-Zone Speaker Selector Box Amplifier Switch User Manual

Douk Audio XX-VU102

Douk Audio VU102 2-Zone Speaker Selector Box Amplifier Switch User Manual

Model: XX-VU102

INTRODUCTION

The Douk Audio VU102 is a versatile 2-zone speaker selector box and amplifier switch designed to enhance your home stereo system or studio sound comparison setup. It features dual-mode functionality, allowing for convenient comparison of two pairs of speakers or two power amplifiers without frequent cable changes. The unit includes a large VU meter for visual feedback and comes with a remote control for ease of use. It supports high-power output and is compatible with various amplifier types.

PACKAGE CONTENTS

- 1x Douk Audio VU102 Selector Box
- 1x Remote Control (batteries not included)
- 1x USB Cable (Type-C)

PACKING LIST



Without batteries (2*AAA)

1*Remote Control



1*USB Cable

1*VU102 Selector Box

Net Weight
664g/1.46lb

Package Weight
900g/1.98lb

Image: The package contents include the VU102 selector box, a remote control, and a USB-C power cable.

PRODUCT OVERVIEW



Image: Front view of the Douk Audio VU102, showing the large VU meter, A/B indicators, IR receiver, and Watt adjustment knob.



Image: Rear view of the Douk Audio VU102, highlighting the speaker binding posts for I/O, B, and A channels, and the 5V DC USB-C power input.

Front Panel Controls:

- **VU Meter:** Displays audio signal levels.
- **IR:** Infrared receiver for remote control.
- **A/B Indicators:** Show the currently selected channel (A or B).
- **A/B Selector Button:** Press to switch between channels. Press and hold for 3 seconds to power off.
- **Amplifier Power Adjustment (Watt Knob):** Adjusts the VU meter needle swing range.

Rear Panel Connections:

- **I/O Speaker Binding Posts:** Main input/output for speakers or amplifier.
- **B Speaker Binding Posts:** Connections for Speaker B or Amplifier B.
- **A Speaker Binding Posts:** Connections for Speaker A or Amplifier A.
- **USB 5V IN (Type-C):** Power input for the unit.

SETUP INSTRUCTIONS

The Douk Audio VU102 offers two primary operational modes: 2-IN-1-OUT and 1-IN-2-OUT. Ensure all connections are secure before powering on the unit.

Power Connection:

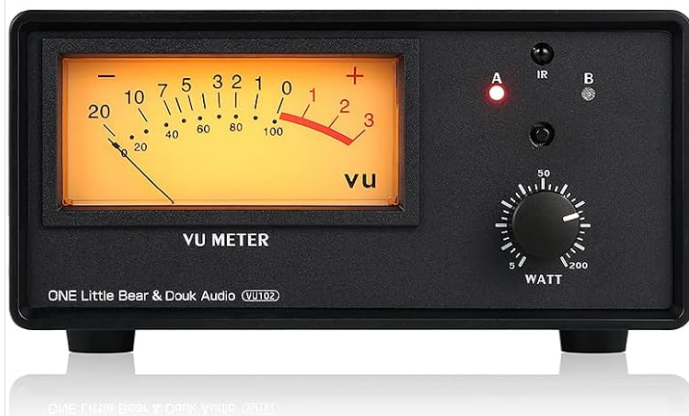
1. Connect the provided USB Type-C cable to the "USB 5V IN" port on the rear of the VU102.
2. Connect the other end of the USB cable to a 5V USB power adapter (not included).

Mode 1: 1-IN-2-OUT (One Amplifier, Two Speaker Pairs)

This mode allows you to connect one amplifier and switch between two pairs of speakers (Speaker A and Speaker B), or play both simultaneously. This is ideal for comparing different speaker characteristics.

1. Connect the output of your amplifier to the "I/O" speaker binding posts on the rear of the VU102.
2. Connect your first pair of speakers (Speaker A) to the "A" speaker binding posts.
3. Connect your second pair of speakers (Speaker B) to the "B" speaker binding posts.

VU102 selector



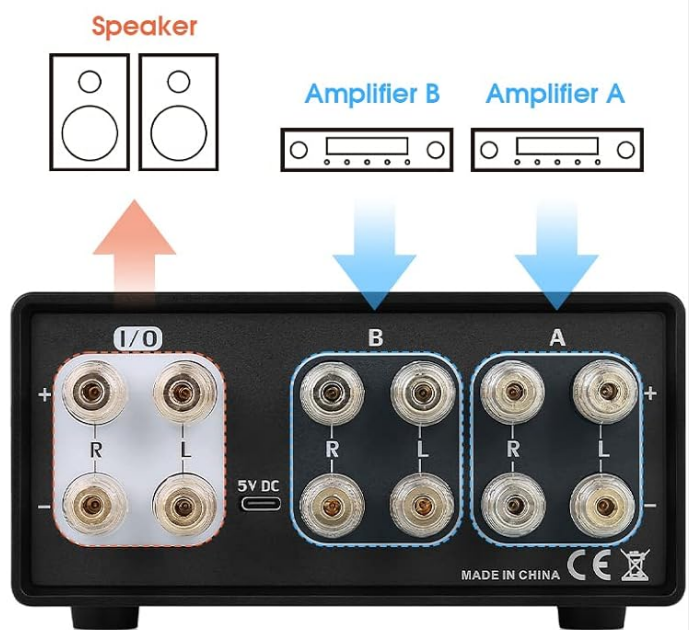
1 IN 2 OUT Mode



Speaker A and B can output at the same time.

Two working modes (2-IN-1-OUT / 1-IN-2-OUT), with A/B channel switch button, convenient to compare the sound quality of 2 pair of different speakers or 2PCS power amplifiers without plugging in and out cables repeatedly to avoid wearing the contact point of the sockets.

2 IN 1 OUT Mode



Amplifier A and B cannot input together, only can select one of them at once.

Image: Diagram illustrating the 1-IN-2-OUT connection mode, where one amplifier connects to the I/O terminals, and two speaker pairs connect to A and B terminals respectively. Both speaker pairs can output simultaneously in this mode.

Mode 2: 2-IN-1-OUT (Two Amplifiers, One Speaker Pair)

This mode allows you to connect two amplifiers (Amplifier A and Amplifier B) to a single pair of speakers. This is useful for comparing the sound quality of different amplifiers. **Important:** Only one amplifier can operate at a time in this mode to prevent damage.

1. Connect your first amplifier (Amplifier A) to the "A" speaker binding posts on the rear of the VU102.
2. Connect your second amplifier (Amplifier B) to the "B" speaker binding posts.
3. Connect your single pair of speakers to the "I/O" speaker binding posts.

VU102 selector

Two working modes (2-IN-1-OUT / 1-IN-2-OUT), with A/B channel switch button, convenient to compare the sound quality of 2 pair of different speakers or 2PCS power amplifiers without plugging in and out cables repeatedly to avoid wearing the contact point of the sockets.

1 IN 2 OUT Mode

Speaker A and B can output at the same time.

2 IN 1 OUT Mode

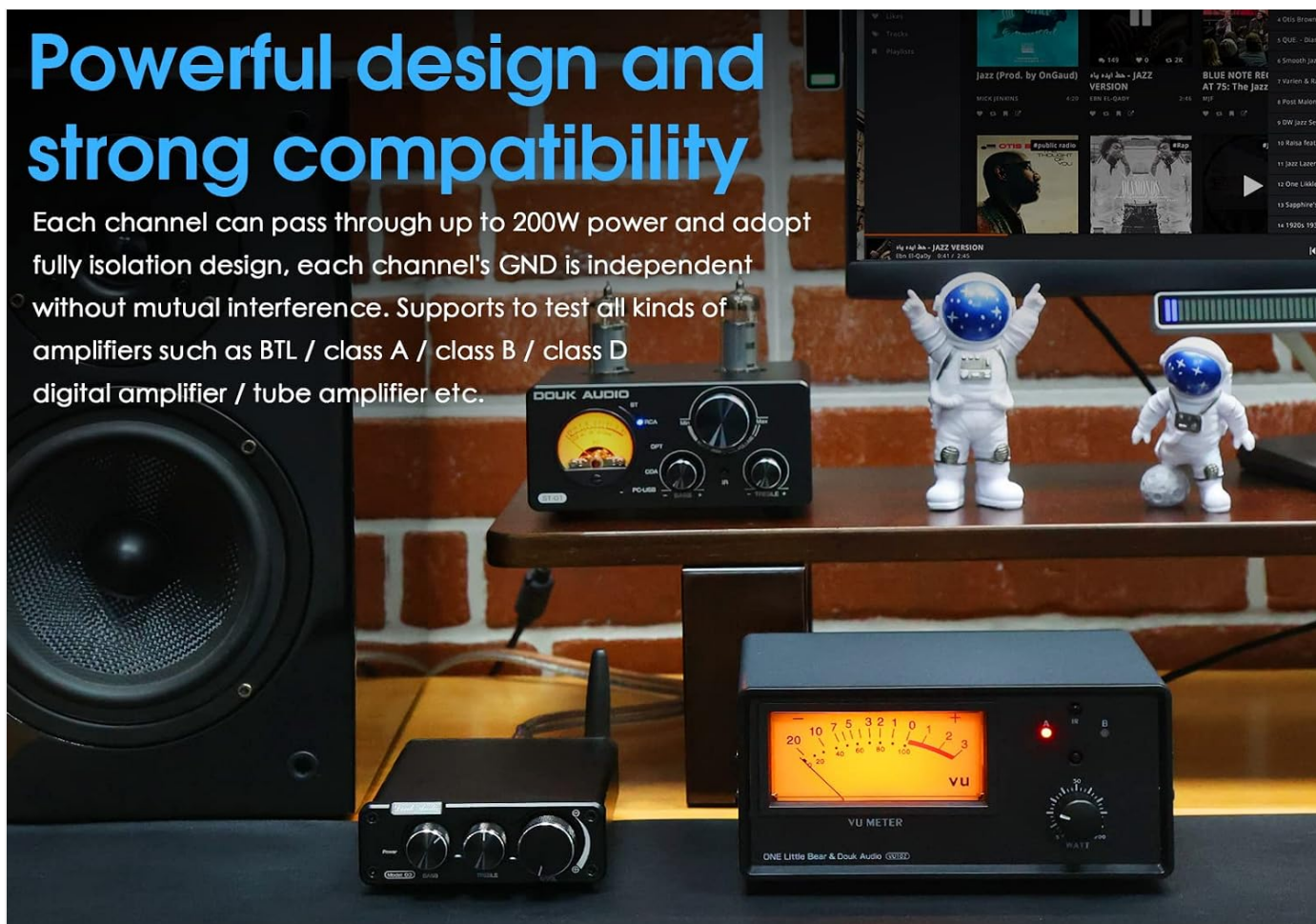
Amplifier A and B cannot input together, only can select one of them at once.

Image: Diagram illustrating the 2-IN-1-OUT connection mode, where two amplifiers connect to A and B terminals, and a single speaker pair connects to the I/O terminals. Only one amplifier can be active at a time.

The VU102 is compatible with various amplifier types, including BTL, Class A, Class B, Class D digital, and tube amplifiers. Each channel can handle up to 200W, with a fully isolated design to prevent mutual interference.

Powerful design and strong compatibility

Each channel can pass through up to 200W power and adopt fully isolation design, each channel's GND is independent without mutual interference. Supports to test all kinds of amplifiers such as BTL / class A / class B / class D digital amplifier / tube amplifier etc.



Class AB



Class A



Class D

Image: The VU102 shown connected to different types of amplifiers, demonstrating its broad compatibility.

OPERATING INSTRUCTIONS

Power On/Off:

- To power on, ensure the USB 5V power is connected. The unit will automatically power on.
- To power off, press and hold the A/B selector button on the front panel for 3 seconds.

Channel Selection:

- **Front Panel:** Briefly press the A/B selector button to switch between channel A and channel B. The corresponding A or B indicator light will illuminate.
- **Remote Control:** Use the A/B button on the remote control to switch between channels.
- In 1-IN-2-OUT mode, you can select A, B, or A+B (both speakers simultaneously) using the remote control. The physical button on the unit only toggles between A and B.

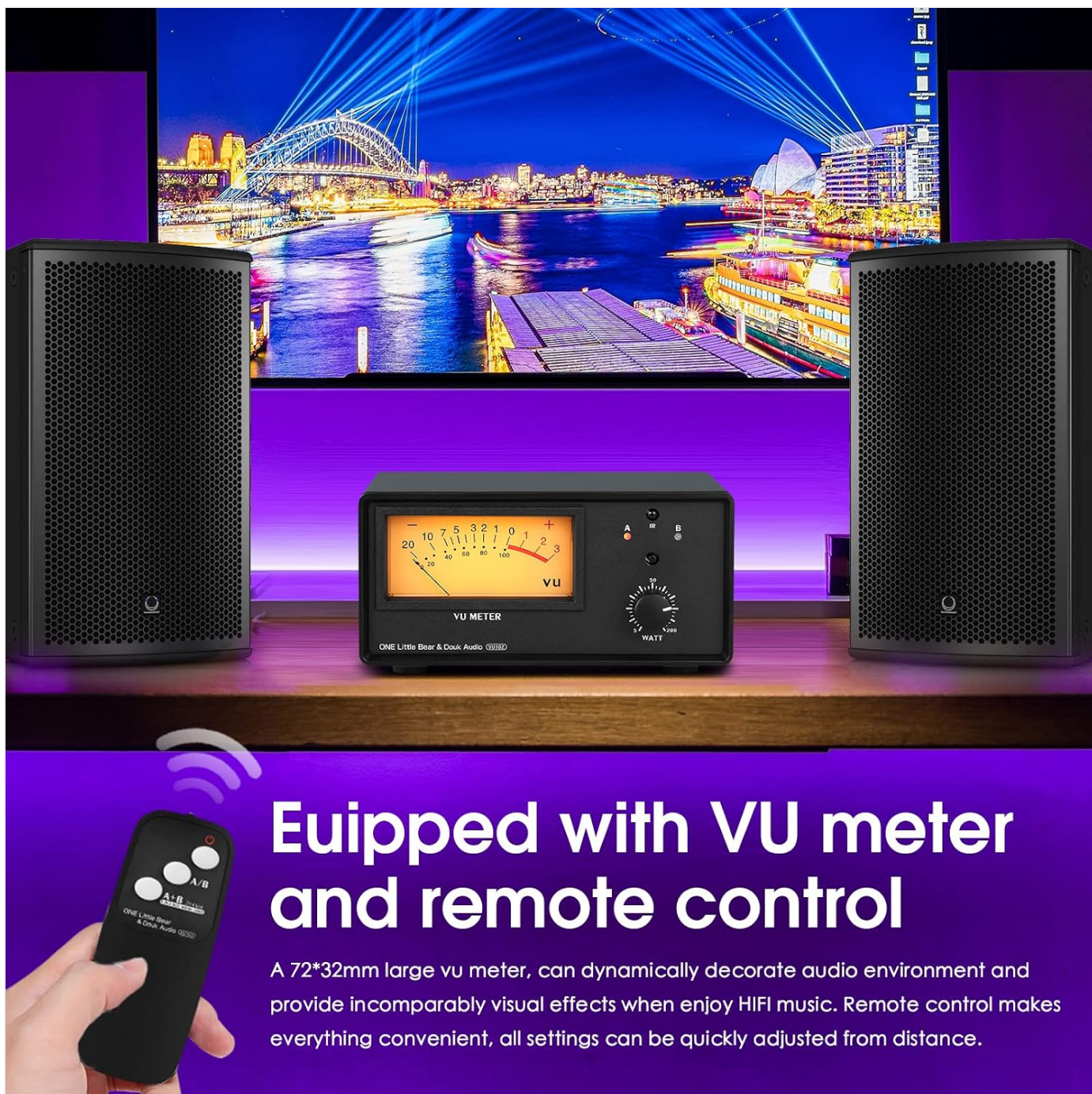


Image: The Douk Audio VU102 with its remote control, demonstrating the convenience of adjusting settings from a distance.

VU Meter Operation:

- The large VU meter dynamically displays the audio signal levels.
- Adjust the "Watt" knob on the front panel to fine-tune the sensitivity and swing range of the VU meter needle. This allows for optimal visual feedback based on your amplifier's output.

Video Demonstration:

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Video: A demonstration of the Douk Audio VU102, showing its unboxing, connection, and operation with the VU meter responding to audio playback.

MAINTENANCE

To ensure the longevity and optimal performance of your Douk Audio VU102, follow these maintenance guidelines:

- Keep the unit clean by wiping it with a soft, dry cloth. Avoid using liquid cleaners or abrasive materials.
- Ensure proper ventilation around the unit to prevent overheating.
- Avoid exposing the unit to extreme temperatures, humidity, or direct sunlight.
- When not in use for extended periods, disconnect the power adapter.

TROUBLESHOOTING

- **No Sound:**
 - Check all speaker and amplifier connections to ensure they are secure and correctly wired.
 - Verify the unit is powered on and the correct channel (A or B) is selected.
 - Ensure your amplifier and audio source are functioning correctly.
- **Brief Loud Noise When Switching Channels:**
 - This is a normal characteristic of the unit and does not indicate a malfunction.
- **VU Meter Not Responding:**
 - Ensure audio is playing through the selected channel.
 - Adjust the "Watt" knob on the front panel to increase the VU meter's sensitivity.
- **Remote Control Not Working:**
 - Check if the remote control batteries need replacement.
 - Ensure there are no obstructions between the remote control and the unit's IR receiver.

SPECIFICATIONS

Product Dimensions	5.87 x 2.95 x 4.13 inches
Item Weight	1.46 pounds
Model Number	XX-VU102
Manufacturer	Douk Audio
Color	Black
Connector Type	Speaker Binding Posts
Compatible Devices	Amplifier, Speaker
Cable Type	Speaker Cable
Max Power Handling (per channel)	200W
Power Input	USB 5V (Type-C)

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Douk Audio website or contact their customer service directly. Details are typically provided with your purchase documentation or on the manufacturer's product page.

You can visit the Douk Audio store for more information:[Douk Audio Store](#)

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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