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Douk Audio DOUK-VU3

Douk Audio VU3 Dual Analog VU Meter and 2-Way Amplifier/Speaker Switch User Manual

Model: DOUK-VU3

1. INTRODUCTION

The Douk Audio VU3 is a versatile audio device that combines the functionality of a dual analog VU meter with a 2-way amplifier and 2-way speaker switch. This unit allows users to connect two amplifiers and two pairs of speakers, providing a convenient way to switch between different audio configurations without repeatedly plugging and unplugging cables. The integrated VU meters offer a dynamic visual representation of audio signal levels.

2. PRODUCT FEATURES

- Dual Analog VU Meters:** Features two 60*35mm large VU meters that provide dynamic visual effects, enhancing the audio experience.
- 2-Way Amplifier/Speaker Switch:** Enables easy switching between two amplifiers and two pairs of speakers, preventing wear on connection points.
- High Compatibility:** All channels feature a fully isolated design with independent grounds, ensuring no mutual interference. Supports various amplifier types including BTL, Class A, Class B, Class D digital, and tube amplifiers.
- User-Friendly Design:** Powered by micro-USB 5V, includes built-in protection load for speakers.
- Remote Control:** Allows convenient adjustment of working status from a distance.
- Memory Function:** All settings are saved after shutdown for continued convenience.
- Durable Construction:** Housed in a solid CNC full aluminum alloy case.

3. PACKAGE CONTENTS

Please check the package carefully to ensure all items are present:

- Douk Audio VU3 Main Unit
- Remote Control
- Micro-USB Power Cable (5V)
- Quick Start Guide

4. CONTROLS AND INDICATORS



Figure 4.1: Front Panel Controls and Indicators

- **VU Meters:** Two large analog meters displaying audio signal levels. Each meter includes a 'PEAK' indicator LED.
- **IR Receiver:** Receives signals from the remote control.
- **Amplifier Selection Buttons (A/B):** Selects between Amplifier A and Amplifier B. Corresponding LED indicators illuminate.
- **Speaker Selection Buttons (1/2):** Selects between Speaker 1 and Speaker 2. Corresponding LED indicators illuminate.
- **Swing Range Adjustment Knob:** Adjusts the sensitivity of the VU meter pointers (MIN to MAX).



Figure 4.2: Remote Control

The remote control provides convenient access to power on/off, amplifier selection, speaker selection, and VU meter light adjustments.

5. CONNECTIONS

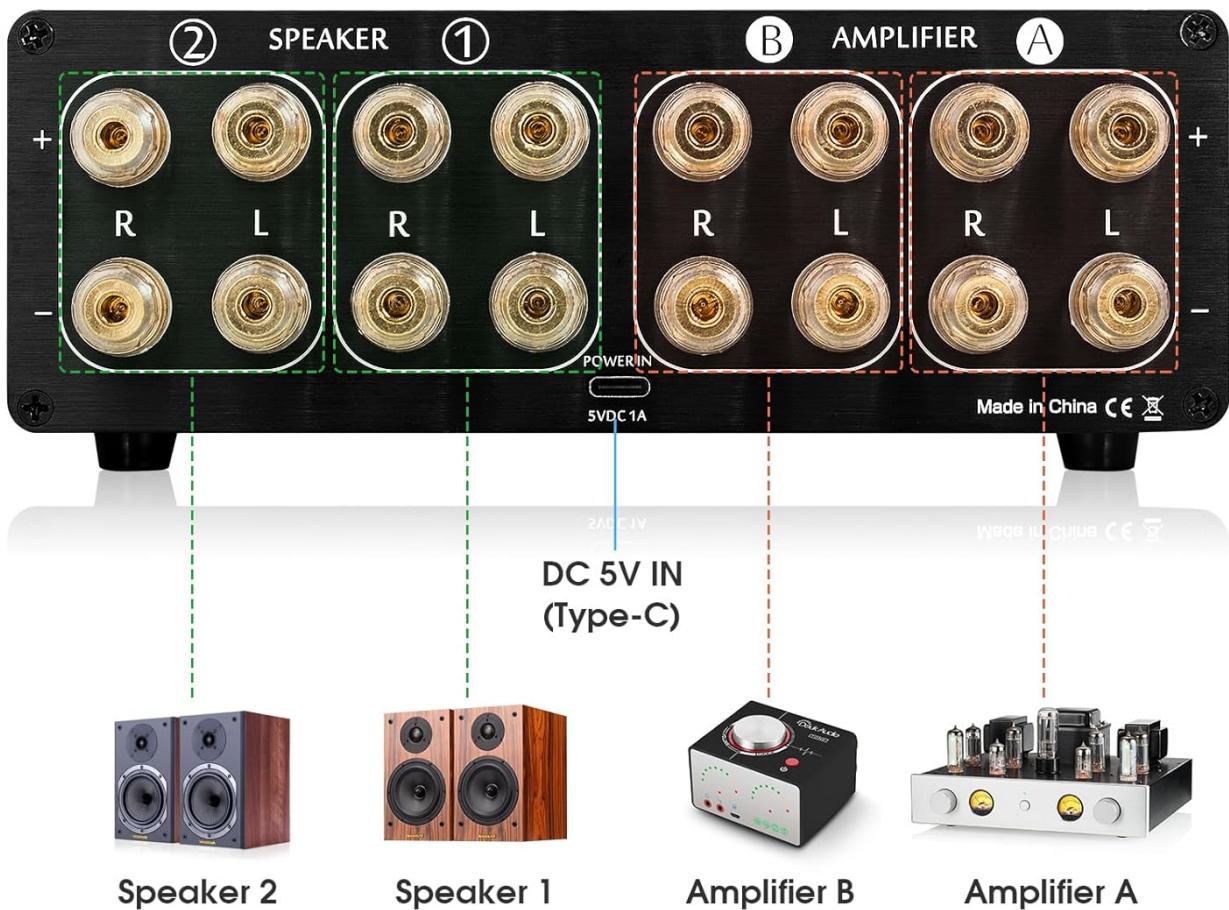


Figure 5.1: Rear Panel Connections Diagram

The rear panel of the VU3 unit features clearly labeled terminals for connecting your audio equipment.

- **Amplifier Inputs (A & B):** Connect your two amplifiers to these terminals. Ensure correct polarity (positive to positive, negative to negative) for each channel (Left/Right).
- **Speaker Outputs (1 & 2):** Connect your two pairs of speakers to these terminals. Maintain correct polarity for each speaker.
- **DC 5V IN (Type-C):** Connect the provided micro-USB power cable here.

6. SETUP

Follow these steps to set up your Douk Audio VU3:

1. **Connect Amplifiers:** Ensure both your amplifiers are powered off. Connect the speaker outputs of your first amplifier to the 'AMPLIFIER A' terminals on the VU3. Connect the speaker outputs of your second amplifier to the 'AMPLIFIER B' terminals. Pay close attention to positive (+) and negative (-) terminals for both left (L) and right (R) channels.
2. **Connect Speakers:** Connect your first pair of speakers to the 'SPEAKER 1' terminals on the VU3. Connect your second pair of speakers to the 'SPEAKER 2' terminals. Again, observe correct polarity for all connections.

3. **Connect Power:** Plug the micro-USB power cable into the 'DC 5V IN' port on the rear of the VU3, then connect the other end to a suitable 5V USB power adapter (not included).
4. **Initial Power On:** Use the remote control to power on the VU3 unit.

As an audio switcher

Easily to switch between two amplifiers and 2 pair of speakers, no need to plug in and out cables repeatedly to avoid wearing the contact point of the sockets.



Figure 6.1: Example of Rear Panel Connections

7. OPERATION

Once the VU3 is set up, you can begin using it to manage your audio system.

1. **Power On/Off:** Press the power button on the remote control to turn the unit on or off.
2. **Select Amplifier:** Use the 'AMP A/B' button on the remote or the 'AMPLIFIER' button on the front panel to switch between Amplifier A and Amplifier B. The corresponding LED indicator will light up.
3. **Select Speakers:** Use the 'SPEAKER 1/2' button on the remote or the 'SPEAKER' button on the front panel to switch between Speaker 1 and Speaker 2. The corresponding LED indicator will light up.
4. **Adjust VU Meter Sensitivity:** Turn the 'SWING-RANGE' knob on the front panel to adjust how sensitive the VU meter pointers are to the audio signal. This allows you to achieve optimal needle movement for different volume levels.

5. **VU Meter Lighting:** Use the light buttons on the remote control to adjust the brightness or mode of the VU meter backlighting.



As a VU meter

With dual 60*35mm large meter, can dynamically decorate audio environment and provide incomparably visual effects when switching audio signals.

Figure 7.1: VU3 Operating as a VU Meter

8. MAINTENANCE

To ensure the longevity and optimal performance of your Douk Audio VU3, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid using harsh chemicals or abrasive cleaners.
- **Placement:** Place the unit on a stable, flat surface away from direct sunlight, heat sources, and excessive moisture. Ensure adequate ventilation.
- **Connections:** Periodically check all cable connections to ensure they are secure and free from corrosion.
- **Power:** Always use the specified 5V DC power supply. Disconnect power when the unit is not in use for extended periods.

9. TROUBLESHOOTING

If you encounter any issues with your Douk Audio VU3, refer to the following troubleshooting tips:

- **No Power:**

- Ensure the micro-USB power cable is securely connected to both the VU3 and a working 5V USB power adapter.
- Verify the power adapter is plugged into a live electrical outlet.
- Check if the remote control battery is functional and correctly inserted.

- **No Sound Output:**

- Confirm that your amplifiers and speakers are correctly connected to the VU3 with proper polarity.
- Ensure the correct amplifier (A or B) and speaker (1 or 2) are selected on the VU3.
- Check that your amplifiers are powered on and receiving an audio input signal.
- Verify that speaker cables are not damaged or short-circuited.

- **VU Meters Not Moving:**

- Ensure there is an active audio signal passing through the selected amplifier and speakers.
- Adjust the 'SWING-RANGE' knob on the front panel towards 'MAX' to increase sensitivity.
- Confirm the unit is powered on.

- **Remote Control Not Responding:**

- Check and replace the remote control battery (CR2032 recommended).
- Ensure there are no obstructions between the remote and the VU3's IR receiver.
- Point the remote directly at the IR receiver on the front panel.

If the issue persists after trying these steps, please contact Douk Audio customer support for further assistance.

10. SPECIFICATIONS

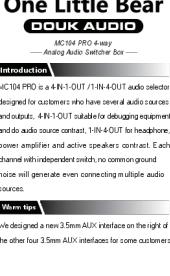
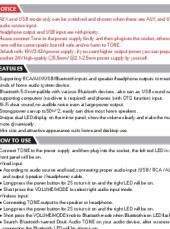
Specification	Value
Model Number	DOUK-VU3
Package Dimensions	9.96 x 7.01 x 3.5 inches
Item Weight	1.12 Pounds
Manufacturer	Douk Audio
Voltage	5 Volts (DC)
Maximum Supply Voltage	5 Volts (DC)
Minimum Supply Voltage	5 Volts (DC)
Mounting Type	Panel Mount

11. WARRANTY AND SUPPORT

Douk Audio products are designed for reliability and performance. For warranty information or technical support, please refer to the official Douk Audio website or contact their customer service directly. Keep your purchase receipt as proof of

purchase for any warranty claims.

Related Documents - DOUK-VU3

	<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>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>Douk Audio VU2: Multi-functional VU Meter and Audio Splitter User Guide</p> <p>Comprehensive guide to the Douk Audio VU2, a versatile analog VU meter and 4-way audio splitter/switcher. Learn about its features, usage instructions, and technical specifications for optimizing your audio setup.</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>
	<p>Douk Audio TONE Bluetooth Amplifier User Manual and Specifications</p> <p>Comprehensive guide to the Douk Audio TONE Bluetooth amplifier, covering features, usage instructions, technical specifications, and connectivity options for home audio systems.</p>
	<p>Douk Audio ST-01/ST-01 PRO HiFi Valve Amplifier User Manual</p> <p>Comprehensive user manual for the Douk Audio ST-01 and ST-01 PRO HiFi Valve Amplifiers, covering operation, features, specifications, and troubleshooting.</p>

