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> Douk Audio VU4 Analog VU Meter RCA XLR Selector Switch Box MIC Sound Level DB Panel Display Stereo Audio Adapter (Blue Version)
User Manual

Douk Audio VU4-Blue

Douk Audio VU4 Analog VU Meter User Manual

Model: VU4-Blue

1. INTRODUCTION

The Douk Audio VU4 is a professional 4-channel analog VU meter and audio selector switch box designed to enhance your audio experience. It features two distinct display modes (VU Mode and EQ Mode) and supports multiple audio inputs and outputs, including RCA, balanced XLR, and Microphone. This manual provides comprehensive instructions for setting up, operating, and maintaining your VU4 device.

2. KEY FEATURES

- **Dual Display Modes:** Switch between VU Mode for real-time audio level monitoring and EQ Mode for frequency spectrum analysis (100Hz, 1KHz, 3.3KHz, 10KHz).
- **Versatile Audio Inputs/Outputs:** Equipped with 2 groups of stereo RCA, 2 groups of balanced XLR, and Microphone input. All channels can operate independently.
- **Independent Gain Adjustment:** Adjust input signal gain with -3dB / 0dB / +3dB switchable settings.
- **Remote Control:** Conveniently control most settings from a distance.
- **Memory Function:** Settings are saved automatically even after shutdown.
- **High-Quality Construction:** All-aluminum alloy metal CNC case with gold-plated interfaces for reliable connection and minimal signal loss.

3. PACKAGE CONTENTS

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

- 1x Douk Audio VU4 VU Meter
- 1x DC 12V Power Adapter
- 1x Remote Control (batteries not included)
- 1x User Manual

PACKING LIST

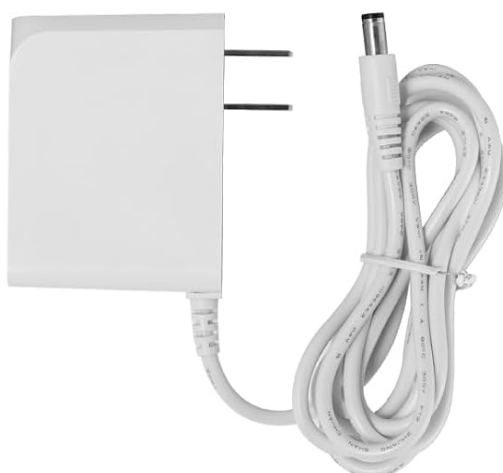


1*VU4 VU Meter



(without 2*AAA batteries)

1*Remote Control



(US/EU/AUS/UK Optional)

1*DC 12V Power Adapter

Net Weight
2.0kg/4.41lb
Package Weight
2.5kg/5.51lb

Image: Contents of the Douk Audio VU4 package, including the VU meter, remote control, power adapter, and user manual. Dimensions and weights are also shown.

4. PRODUCT OVERVIEW

4.1 Front Panel

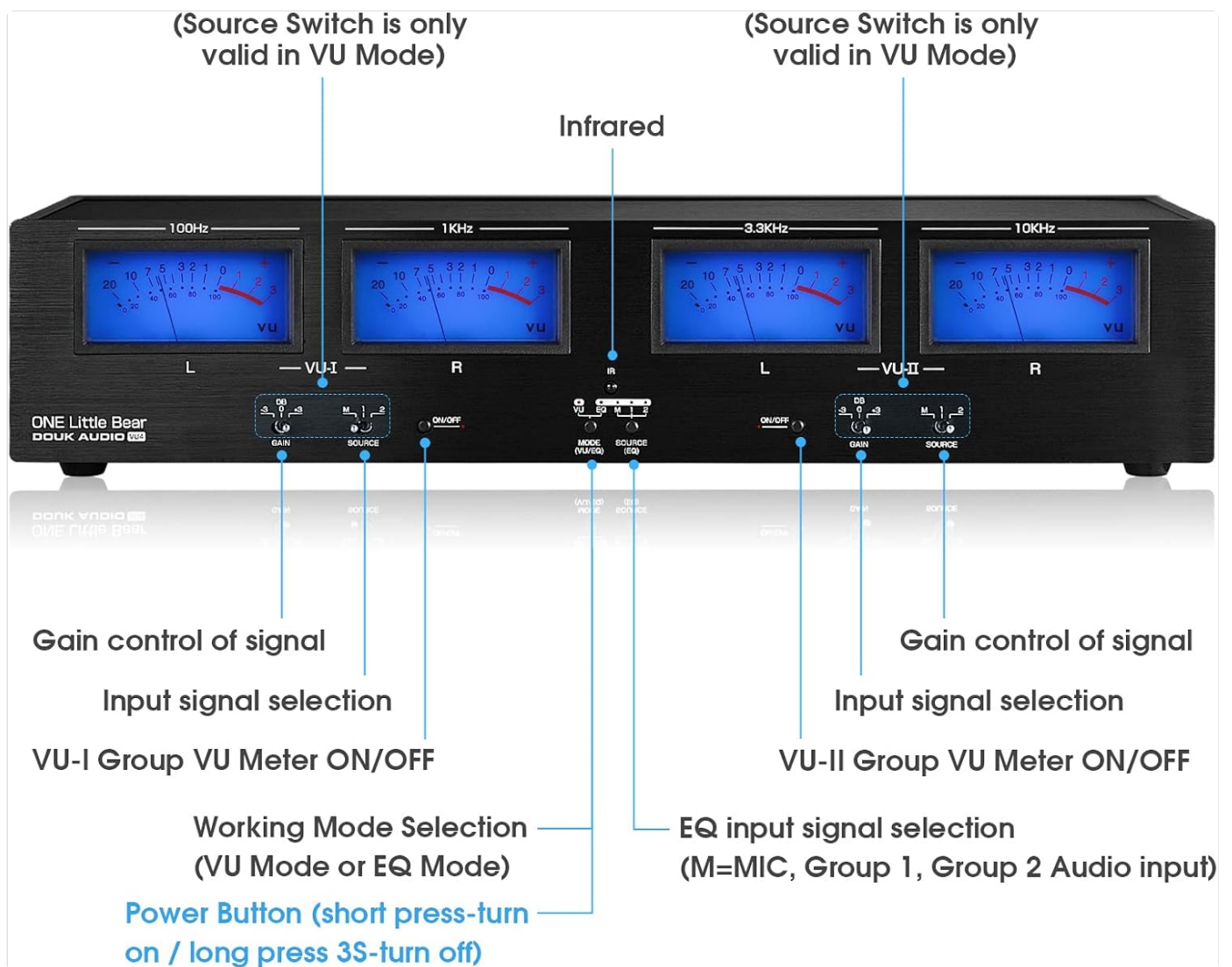


Image: Detailed view of the Douk Audio VU4 front panel, highlighting controls such as Gain, Source selection, VU meter ON/OFF, Working Mode Selection (VU/EQ), EQ input signal selection, and Power Button.

- **GAIN:** Adjusts the input signal gain (-3dB / 0dB / +3dB).
- **SOURCE:** Selects the input signal (M=MIC, 1=Group 1, 2=Group 2). (Valid only in VU Mode)
- **VU-I / VU-II ON/OFF:** Toggles the display of the respective VU meter group.
- **MODE (VU/EQ):** Switches between VU Mode and EQ Mode.
- **SOURCE (EQ):** Selects the input signal for EQ Mode.
- **ON/OFF:** Short press to power on, long press (3 seconds) to power off.

4.2 Rear Panel



Image: Diagram of the Douk Audio VU4 rear panel, showing input and output connections for RCA and XLR for both Group 1 and Group 2, along with the DC 12V power input and VU Input Level Adjust.

- **INPUT 1 (RCA/XLR):** Audio input for Group 1.
- **OUTPUT 1 (RCA/XLR):** Audio output for Group 1.
- **INPUT 2 (RCA/XLR):** Audio input for Group 2.
- **OUTPUT 2 (RCA/XLR):** Audio output for Group 2.
- **DC12V/1A:** Power input port.
- **VU INPUT LEVEL ADJUST:** Adjusts the input level for the VU meters.

5. SETUP

1. **Power Connection:** Connect the provided DC 12V power adapter to the "DC12V/1A" port on the rear panel and plug it into a power outlet.
2. **Audio Input Connection:**
 - For RCA input, connect your audio source (e.g., CD player, computer, preamp) to the "INPUT 1" or "INPUT 2" RCA ports.

- For XLR input, connect your audio source to the "INPUT 1" or "INPUT 2" XLR ports.
 - For Microphone input, connect a microphone to the dedicated MIC input.
3. **Audio Output Connection:** Connect your audio receiver (e.g., amplifier, active speakers) to the corresponding "OUTPUT 1" or "OUTPUT 2" RCA or XLR ports.
 4. **Initial Power On:** Short press the "ON/OFF" button on the front panel to power on the device.

Great combination of VU meter and audio adapter

Besides MIC pickup, VU4 also with 2 groups of RCA and balanced XLR inputs and outputs, all channels of all groups can work independently at the same time. The pointers swings along with the rhythm, orange backlight to dynamically and warmly decorate your listening space.



Image: The rear panel of the Douk Audio VU4 with RCA and XLR cables connected, demonstrating typical audio input and output configurations.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

1. **Power On/Off:** Short press the "ON/OFF" button to turn on. Long press (3 seconds) to turn off.
2. **Mode Selection:** Press the "MODE (VU/EQ)" button to switch between VU Mode and EQ Mode.

3. **Input Source Selection (VU Mode):** In VU Mode, use the "SOURCE" switch for VU-I and VU-II to select between MIC, Group 1, or Group 2 audio inputs.
4. **Input Source Selection (EQ Mode):** In EQ Mode, use the "SOURCE (EQ)" switch to select the audio input for frequency analysis.
5. **Gain Adjustment:** Use the "GAIN" switch for VU-I and VU-II to adjust the input sensitivity (-3dB, 0dB, +3dB).
6. **VU Meter ON/OFF:** Use the "VU-I" and "VU-II" buttons to independently turn on or off the display for each VU meter group.

6.2 VU Mode

In VU Mode, the VU4 displays the audio input level for two stereo groups simultaneously. Each channel (Left/Right) of each group corresponds to a VU meter, providing real-time monitoring of your music level.

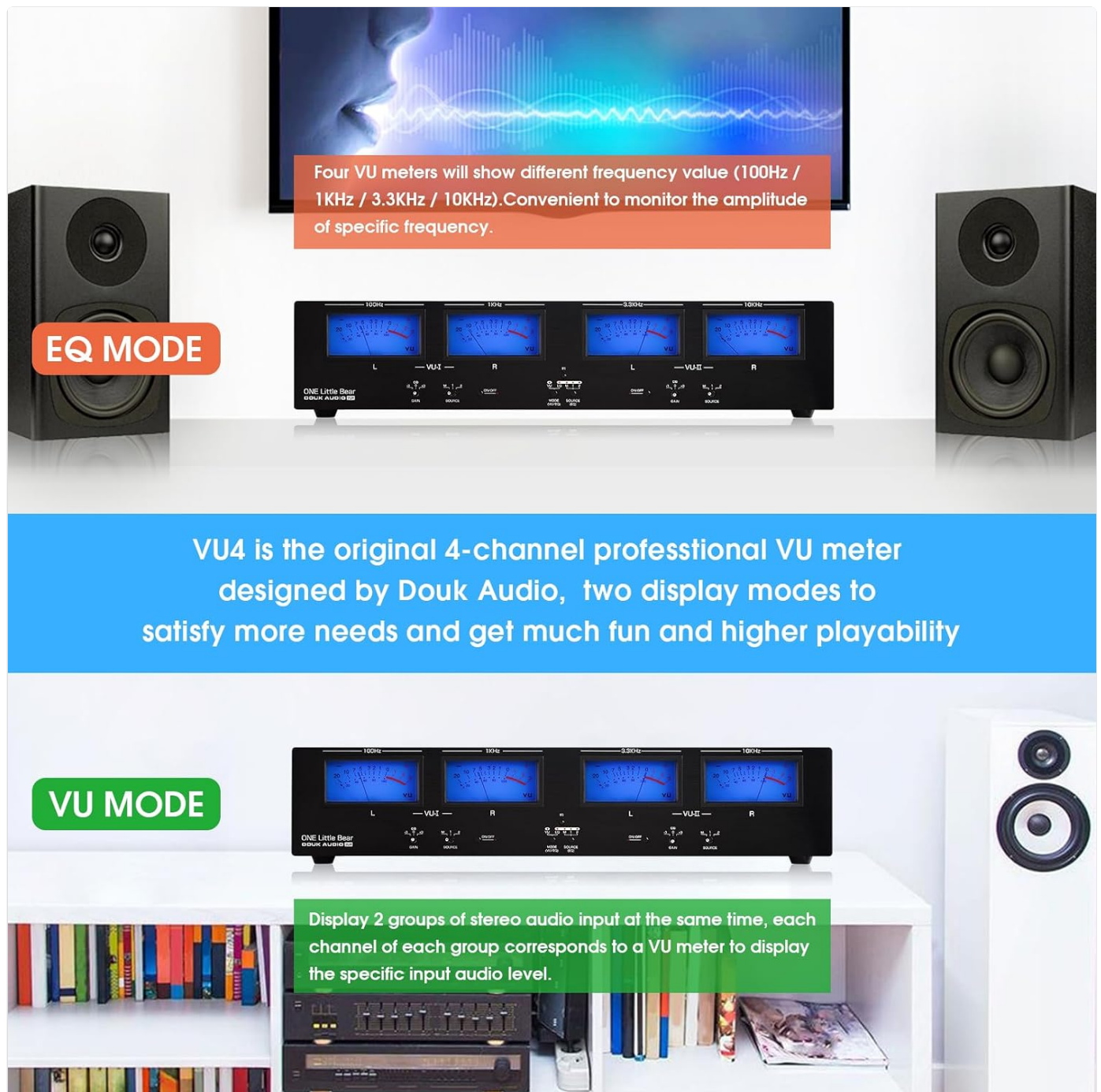


Image: Comparison of VU Mode and EQ Mode displays on the Douk Audio VU4. VU Mode shows two stereo pairs, while EQ Mode shows four frequency bands.

Working status display in VU Mode (including not limited to the following)



1. VU-I / VU-II (MIC in, +3dB)



2. VU-I (MIC in, -3dB) / VU-II (Group 2 in, +3dB)



3. VU-I (MIC in, +3dB) / VU-II OFF



4. VU-I OFF / VU-II (Group 2 in, +3dB)

Many other working modes are waiting for you to try...

Image: Examples of various working statuses in VU Mode, demonstrating different input selections and gain settings for VU-I and VU-II groups.

6.3 EQ Mode

In EQ Mode, the four VU meters display different frequency values: 100Hz, 1KHz, 3.3KHz, and 10KHz. This allows you to monitor the amplitude of specific frequencies, functioning as a music spectrum analyzer.

6.4 Remote Control

The included remote control allows for convenient adjustment of most settings from a distance. Ensure batteries are inserted correctly (2x AAA batteries, not included).



Advanced functions and perfect design details

With independent GAIN adjustment, input selector and remote control, most settings can be adjusted from the distance and will be saved even shutdown. The power is only for reading the sound signal but won't affect the sound quality. All interfaces are gold-plated to ensure the tight connection, effectively reduce the sound transmission loss.

Image: The Douk Audio VU4 remote control, showing buttons for power, mode selection, source selection, and VU meter group control.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure adequate ventilation around the unit to prevent overheating. Do not block ventilation openings.
- **Environment:** Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.
- **Power Off:** Always power off the device before disconnecting cables or moving it.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No power	Power adapter not connected or faulty.	Check power cable connection. Ensure power outlet is working. Try a different 12V DC adapter if available.
VU meters not moving	No audio input; incorrect source selected; VU meter display turned off.	Ensure audio source is playing. Verify correct input source is selected via "SOURCE" switch. Press "VU-I" or "VU-II" buttons to turn on display. Adjust "GAIN" if input signal is too low.
No sound output	Output cables not connected correctly; connected to wrong output port.	Check all audio output cable connections to your amplifier/speakers. Ensure cables are connected to the correct output ports (OUTPUT 1/2).
Remote control not working	Batteries are dead or inserted incorrectly; remote sensor blocked.	Replace batteries (2x AAA). Ensure batteries are inserted with correct polarity. Remove any obstructions between the remote and the unit's IR sensor.

9. SPECIFICATIONS

Parameter	Value
Brand	Douk Audio
Model	VU4
Audio Input	2 groups stereo RCA / 2 groups balanced XLR / Microphone
Audio Output	2 groups stereo RCA / 2 groups balanced XLR
Max Input Level	2.5Vrms
Max Effective Input Level	1.1Vrms (VU4 will always be full display when exceed this)
Monitoring Frequency Range (VU Mode)	20Hz-20KHz
Monitoring Frequency Range (EQ Mode)	100-10KHz
Input Impedance	50K Ω
Brightness Adjustment	Supported (4 levels)
Gain Adjustment	Supported (-3dB / 0dB / +3dB switchable)
Display Mode	VU Mode / EQ Mode
Working Voltage	DC 12V (above 1A)
VU Meter Size	73.5*32.5mm

Parameter	Value
Settings Saved After Shutdown	Supported
Remote Control	Supported
Dimensions (W*D*H)	430*100*85mm / 16.93*3.94*3.35in
Net Weight	2.0kg / 4.41lb
Package Weight	2.5kg / 5.51lb
Color	Black Shell & Blue Meter
Compatible Devices	Active Speakers, Amplifier, CD Player, Computer, Preamp

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Douk Audio website or contact your retailer. Keep your purchase receipt as proof of purchase for any warranty claims.

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Details

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

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