Douk Audio VU22

Douk Audio VU22 Dual Analog VU Meter Display Instruction Manual

Model: VU22 | Brand: Douk Audio

1. INTRODUCTION

The Douk Audio VU22 is a dual analog VU meter designed for precise sound level monitoring. It features multiple audio input options, adjustable display settings, and a robust all-metal construction. This manual provides essential information for setting up, operating, and maintaining your VU22 unit.

2. SAFETY INFORMATION

- Ensure the unit is powered by a separate DC 5V (≥1A) USB power supply. Do not use USB ports from computers or share power with audio sources to avoid common ground noise.
- Avoid connecting RCA and 3.5mm AUX inputs simultaneously, as they are in parallel and will work concurrently, potentially causing audio mixing issues.
- Keep the device away from water or excessive moisture.
- Do not attempt to disassemble or repair the unit yourself. Refer to qualified service personnel.
- Use only the specified power adapter and cables.

3. PACKAGE CONTENTS

- 1x Douk Audio VU22 VU Meter
- 1x USB Cable (Power adapter not included)
- 4x Rubber Feet
- 1x User Manual

4. PRODUCT OVERVIEW

Front Panel

Image: Front view of the Douk Audio VU22, showing the dual analog VU meters, Power button, Color button, Gain button, and Light button.

- **Power Button:** Turns the unit ON/OFF.

- **Color Button:** Cycles through various backlight colors for the VU meters.

- **Gain Button:** Adjusts the sensitivity of the VU meter pointers.

- **Light Button:** Adjusts the brightness level of the backlight.

- **Dual Analog VU Meters:** Displays real-time audio levels.

Rear Panel

Image: Rear view of the Douk Audio VU22, showing RCA and 3.5mm AUX input/output ports, a microphone input, a Mode

knob, and a DC 5V Type-C power input.

- **Audio Input (RCA / 3.5mm AUX / Microphone):** Connect your audio source here. Note that RCA and 3.5mm AUX inputs are in parallel.
- **Audio Output (RCA / 3.5mm AUX):** Connect to your amplifier or active speakers, or other audio receiving device.
- **Mode Knob:** Selects between Line input and Microphone input.
- **DC 5V IN (Type-C):** Power input for the unit.

5. SETUP

1. **Power Connection:** Connect the provided USB cable to the DC 5V Type-C input on the rear panel. Connect the other end to a dedicated DC 5V (≥1A) USB power adapter (not included). Avoid using computer USB ports or shared power supplies to prevent noise.

2. **Audio Input:**
   - For line-level audio sources (e.g., CD player, computer, phone), connect using either the stereo RCA or 3.5mm AUX input.
   - For microphone pickup, ensure the Mode knob is set to MIC.

   Important: Do not connect RCA and 3.5mm AUX inputs simultaneously.

3. **Audio Output:** Connect the stereo RCA or 3.5mm AUX output to your amplifier, active speakers, or other audio receiving device.

4. **Placement:** Place the VU22 on a stable, flat surface. Attach the included rubber feet to the bottom of the unit to prevent slipping and protect surfaces.

有線および無線オーディオ入力

ステレオRCA / 3.5mm AUXオーディオ入力とマイクピックアップを備え、スマホ、コンピューター、
CDプレーヤー、スピーカーなどのほとんどのオーディオデバイスでうまく機能し、
自宅/オフィス/スタジオで動使用するのに非常に適しています。

Image: The Douk Audio VU22 connected to a laptop and speakers, demonstrating wired audio input and output connections.
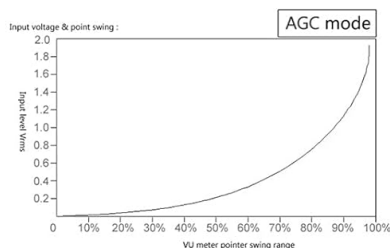
6. OPERATING INSTRUCTIONS

1. **Power On/Off:** Press the Power button on the front panel to turn the unit on or off.

2. **Input Selection:** Use the Mode knob on the rear panel to select between Line input (for RCA/AUX) or Microphone input.

3. **Adjusting Display Color:** Press the Color button on the front panel to cycle through different backlight colors for the VU meters.

4. **Adjusting Brightness:** Press the Light button on the front panel to adjust the brightness level of the backlight.

5. **Adjusting Gain (Sensitivity):** Use the Gain button on the front panel to adjust the sensitivity of the VU meter pointers. This allows you to fine-tune the swing range of the pointers to match your audio signal levels for optimal visual effect.

Image: The Douk Audio VU22 displaying various backlight colors and brightness levels, illustrating customization options.

7. FEATURES

- **Wired and Wireless Audio Inputs:** Supports stereo RCA, 3.5mm AUX audio input, and microphone pickup. Compatible with various audio devices like phones, computers, CD players, and speakers.

- **High-Impedance Input Circuit:** Features a 100K high-impedance input circuit to ensure clean sound without audio rendering when using line inputs.

- **Customizable Display:** Adjustable backlight color and light level to match different audio setups and environments.

- **Advanced AGC Algorithm:** Automatic Gain Control (AGC) ensures optimal visual effects across a wide range of input signal levels, preventing no display with low signals and full-screen display with high signals.

- **Gain Adjustment:** Allows users to set the swing range of the pointer for better beating effects and control over various input signals.

- **Durable Construction:** All-metal case with a CNC machined panel, solid stepless adjustment knob, and gold-plated interfaces for tight connections and smooth, lossless audio signal transmission.

高度な**AGC**アルゴリズムとより優れた表示

AGCは、入力信号が小から大の範囲にある場合でも理想的な視覚効果を保証します。低信号を入力すると表示されない、高入力を入力すると全画面で表示されることを避けます。ゲイン調整により、ポインターのスイング範囲を設定することもでき、ほとんどの入力信号を簡単に制御し、より良いビート効果を実現できます。

Image: The Douk Audio VU22 in an audio setup, highlighting the AGC mode for optimal display across varying signal strengths.

8. TROUBLESHOOTING

- **Common Ground Noise:** If you experience humming or noise, ensure the VU22 is powered by a separate USB power supply and not sharing power with the audio source or connected to a computer's USB port.

- **No Display/Incorrect Display:**
  - Check all audio connections to ensure they are secure.
  - Verify the Mode knob is set correctly (Line for RCA/AUX, MIC for microphone).
  - Adjust the Gain button to increase sensitivity if the signal is too low.

- **Audio Mixing:** Ensure only one line-level input (RCA or 3.5mm AUX) is connected at a time, as they operate in parallel.

9. SPECIFICATIONS

Parameter	Value
Audio Input	Stereo RCA / 3.5mm AUX / Microphone

Audio Output	Stereo RCA / 3.5mm AUX
Input Impedance	100K
Input Voltage	0.1-2Vrms
Frequency Response	5Hz-20KHz
Working Voltage	DC 5V (≥1A)
Power Interface	USB (Type-C)
VU Meter Diameter	45mm
Dimensions (W*D*H)	177*115*59mm / 6.97*4.53*2.32in
Net Weight	661g / 1.46lb
Manufacturer	Douk Audio
Model Number	VU22
Date First Available	July 22, 2022

10. MAINTENANCE

- Clean the unit with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Avoid exposing the unit to extreme temperatures or direct sunlight.
- Store in a cool, dry place when not in use for extended periods.

11. WARRANTY AND SUPPORT

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

12. RELATED PRODUCT VIDEOS

Below are official product videos from the seller demonstrating various features and uses of Douk Audio products, including the VU22.

Douk Audio L3 3-CH Audio Switch with VU Meter

Your browser does not support the video tag.

This video demonstrates the Douk Audio L3 3-channel audio loop switcher with a VU meter, showcasing its functionality and design. It highlights the input/output connections and how the VU meter responds to audio signals.

Douk Audio VU1-W 4-IN-1-OUT Audio Switch with Headphone Out

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This video illustrates the Douk Audio VU1-W, a 4-input, 1-output audio switch with a headphone output. It shows the device's connectivity and how it can manage multiple audio sources.

Douk Audio VU9 Retro Pixie Tube Sound Level

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A demonstration of the Douk Audio VU9 Retro Pixie Tube Sound Level meter, showcasing its unique visual display and aesthetic appeal in an audio setup.

EQ5 PRO 5-Band EQ Equalizer with Bluetooth and VU Meter

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This video presents the EQ5 PRO 5-Band EQ Equalizer, featuring Bluetooth connectivity and a VU meter. It illustrates the equalizer's controls and the dynamic response of the VU meter.

Upgraded EQ5 Tone 5-Band Bluetooth EQ Equalizer with VU Meter

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An updated version of the EQ5 Tone 5-Band Bluetooth EQ Equalizer with a VU meter is shown, highlighting its enhanced features and performance in an audio setup.

Douk Audio VU102 Speaker Amplifier Switch with VU Meter

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This video demonstrates the Douk Audio VU102, a speaker amplifier switch integrated with a VU meter, illustrating its capability to switch between different speaker setups while monitoring audio levels.

T5c Tube Preamp Headphone Amp Selector with Vu Meter

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A video showcasing the T5c Tube Preamp, which also functions as a headphone amplifier selector with an integrated VU meter, demonstrating its audio processing and visual feedback.