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Douk Audio G7 (SUC-G7-US)

Douk Audio G7 600W 2/4 Channel Digital Amplifier Instruction Manual

Model: G7 (SUC-G7-US)

1. INTRODUCTION

This manual provides detailed instructions for the proper setup, operation, and maintenance of your Douk Audio G7 600W 2/4 Channel Digital Amplifier. Please read this manual thoroughly before using the device to ensure optimal performance and safety. Keep this manual for future reference.



Image 1.1: Front view of the Douk Audio G7 amplifier.

2. SAFETY INFORMATION

To prevent fire, electric shock, and damage to the unit, observe the following safety precautions:

- Do not expose this unit to rain or moisture.
- Do not open the casing. Refer all servicing to qualified personnel.
- Ensure proper ventilation around the unit. Do not block ventilation openings.
- Use only the specified power supply and cables.
- Disconnect the power cord from the wall outlet if the unit will not be used for an extended period.
- Avoid placing the unit near heat sources or in direct sunlight.
- Ensure all connections are secure before powering on the unit.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 × Douk Audio G7 Amplifier
- 1 × Remote Control (batteries not included)
- 1 × Power Cord
- 1 × User Manual (this document)

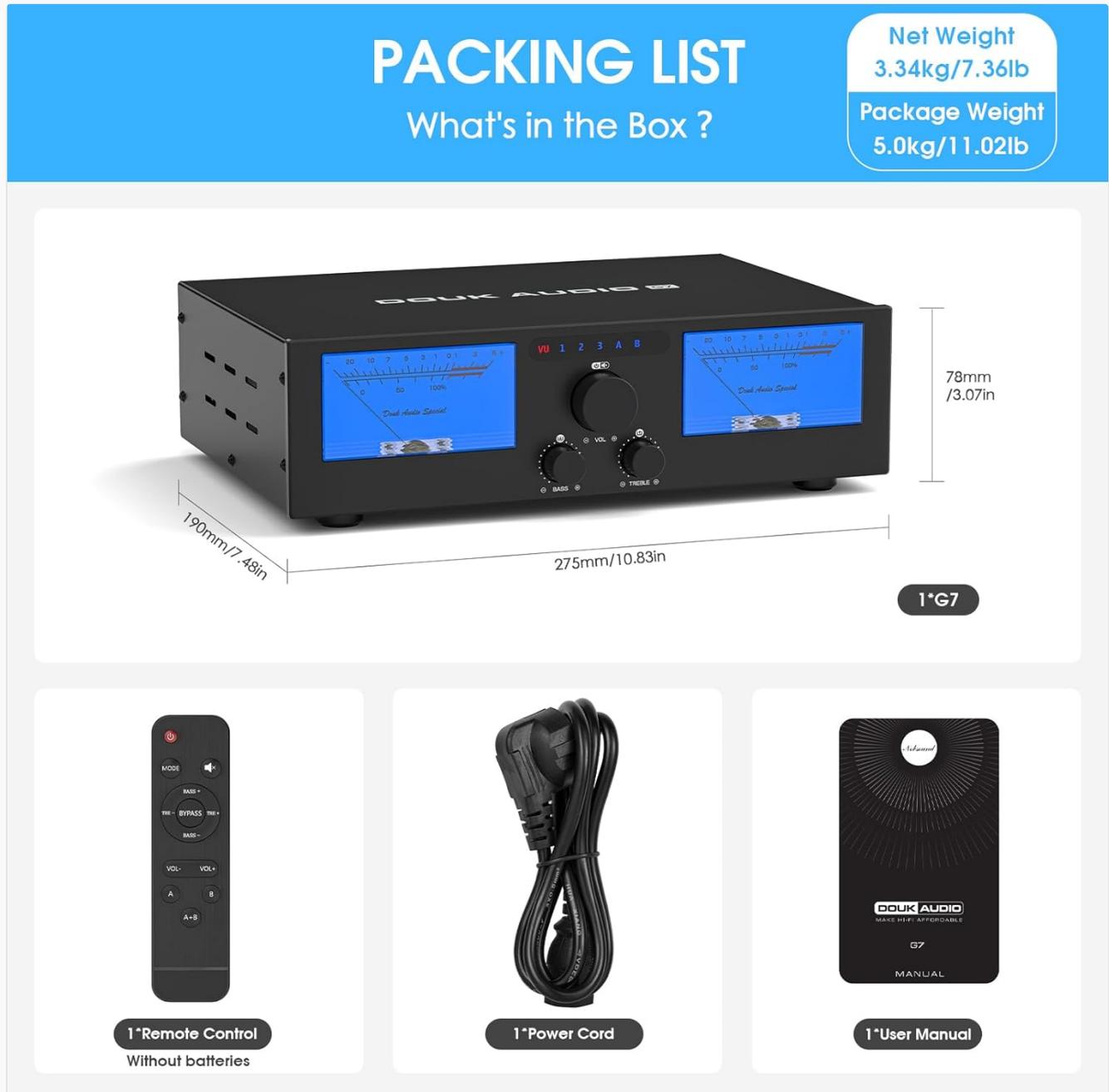


Image 3.1: Contents of the Douk Audio G7 package.

4. PRODUCT OVERVIEW

The Douk Audio G7 is a versatile 2/4 channel digital amplifier designed for home audio systems. It features multiple input options, flexible speaker outputs, tone control, and a bypass mode for pure amplification. The front panel includes iconic VU meters for visual feedback.

4.1 Front Panel Controls and Indicators

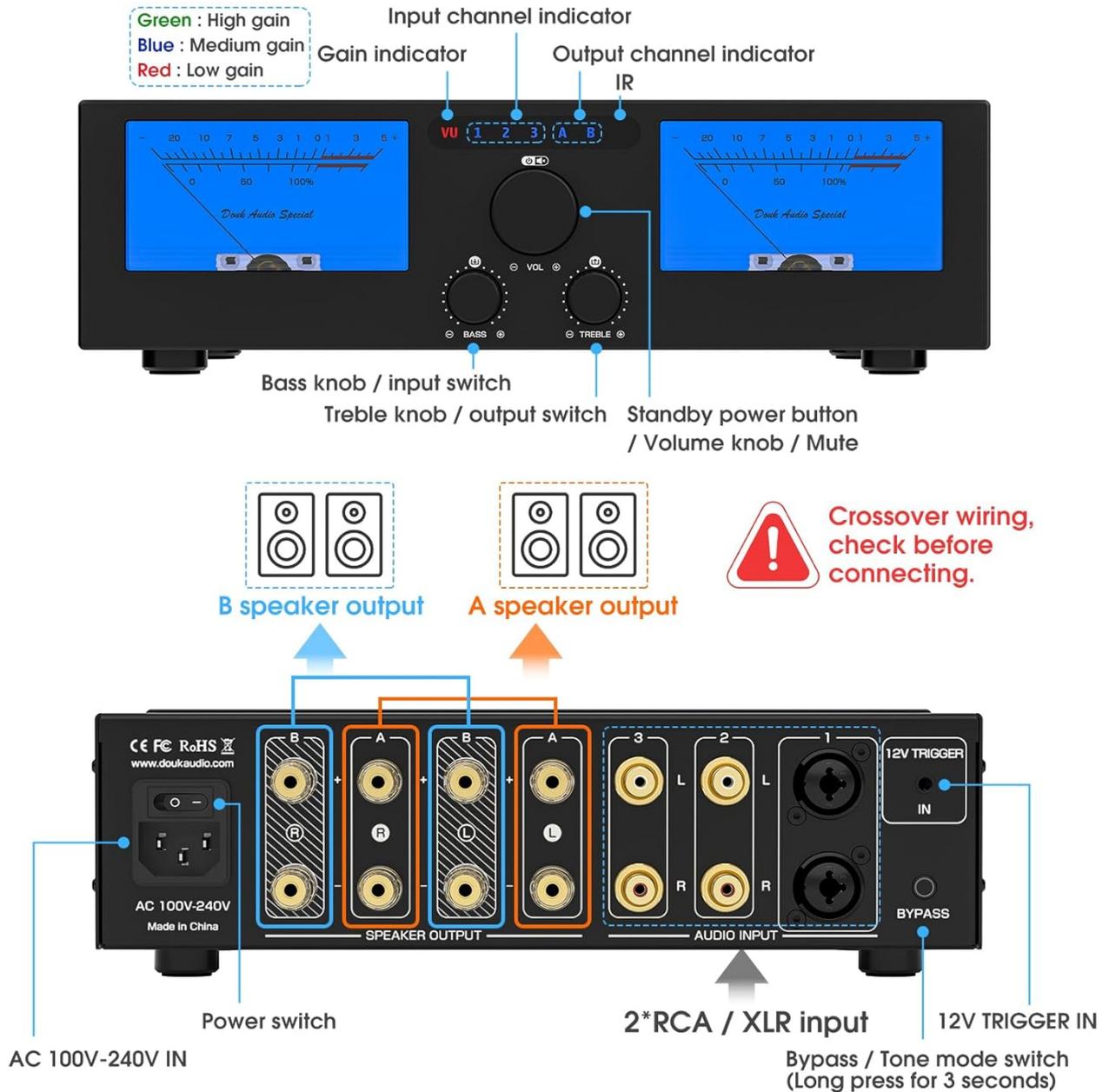


Image 4.1: Front and rear panel layout of the G7 amplifier.

- **VU Meters:** Display real-time audio signal levels.
- **Input Channel Indicator (VU 1 2 3 A B):** Shows the currently selected input source.
- **Gain Indicator (Green/Blue/Red):** Indicates high, medium, or low gain.
- **IR Receiver:** For remote control signals.
- **Volume Knob:** Adjusts the overall output volume. Press to mute/unmute.
- **Bass Knob:** Adjusts bass levels. Press to switch input channels.
- **Treble Knob:** Adjusts treble levels. Press to switch output channels (A/B).
- **Standby Power Button:** Powers the unit on or off.

4.2 Rear Panel Connections

- **AC 100V-240V IN:** Power input.
- **Power Switch:** Main power toggle.
- **Speaker Output (A/B):** Connects to passive speakers. Supports 2 or 4 channel configurations.

- **Audio Input (2*RCA / XLR):** Connects to audio sources.
- **12V TRIGGER IN:** For synchronized power on/off with compatible devices.
- **BYPASS Switch:** Toggles Tone/Volume bypass mode.

5. SETUP

Follow these steps to set up your Douk Audio G7 amplifier:

5.1 Speaker Connections

1. Ensure the amplifier is powered off and unplugged.
2. Connect your passive speakers to the **Speaker Output (A)** and/or **Speaker Output (B)** terminals on the rear panel. Pay close attention to polarity (+ to + and - to -).
3. For 2-channel operation, connect speakers to either A or B. For 4-channel or A/B testing, connect speakers to both A and B.
4. **Warning:** Before connecting, ensure correct crossover wiring for your speakers to prevent damage.



Image 5.1: Example of the G7 amplifier connected to speakers.

5.2 Audio Source Connections

1. Connect your audio source (e.g., DAC, streamer, CD player) to the **Audio Input** terminals.
2. The G7 supports both balanced XLR+TRS combo inputs and unbalanced RCA inputs. Choose the appropriate connection type for your source device.



Image 5.2: Detailed view of audio input options (XLR+TRS combo and RCA).

5.3 Power Connection

1. Connect the provided power cord to the **AC 100V-240V IN** port on the rear panel.
2. Plug the other end of the power cord into a suitable wall outlet.

5.4 12V Trigger Connection (Optional)

If your source device supports a 12V trigger output, you can connect it to the **12V TRIGGER IN** port on the G7. This allows the amplifier to power on/off synchronously with your source device.



Image 5.3: Connecting the 12V trigger for synchronized power with a compatible device.

6. OPERATION

6.1 Powering On/Off

1. Flip the main **Power Switch** on the rear panel to the ON position.
2. Press the **Standby Power Button** on the front panel to turn the unit on. Press it again to put the unit into standby mode.

6.2 Input Selection

Press the **Bass Knob** on the front panel to cycle through the available audio inputs (1, 2, 3, A, B). The selected input will be indicated on the front panel display.

6.3 Output Selection

Press the **Treble Knob** on the front panel to switch between speaker outputs A, B, or A+B (simultaneous output). The selected output will be indicated on the front panel display.

6.4 Volume Control

Rotate the **Volume Knob** clockwise to increase volume and counter-clockwise to decrease volume. Press the Volume Knob to instantly mute or unmute the audio output.



Image 6.1: Mute function activated by pressing the volume knob.

6.5 Tone Control and Bypass Mode

The G7 amplifier features adjustable bass and treble controls. Rotate the **Bass Knob** and **Treble Knob** to fine-tune your audio. Each control offers a range of $\pm 10\text{dB}$.



Image 6.2: Bass and Treble controls with $\pm 10\text{dB}$ adjustment range.

To engage **Bypass Mode**, press the BYPASS switch on the rear panel. In this mode, the tone control and volume circuits are disabled, providing a direct, uncolored signal path. The volume will default to maximum when bypass mode is active.

Selectable Bypass for Both Tone & Volume

As both an integrated amp with flexible control and a pure power amplifier in bypass mode.



Note: The volume defaults to maximum with tone controls defeated in bypass mode.

Image 6.3: The amplifier operating in bypass mode.

6.6 Remote Control

The included remote control provides convenient access to various functions:

- **Power On/Off:** Toggles standby mode.
- **Mode:** Switches input sources.
- **Mute/Unmute:** Toggles audio mute.
- **Bass +/-:** Adjusts bass levels.
- **Treble +/-:** Adjusts treble levels.
- **Volume +/-:** Adjusts volume levels.
- **BYPASS:** Toggles tone/volume bypass mode.
- **A/B/A+B:** Selects speaker outputs.

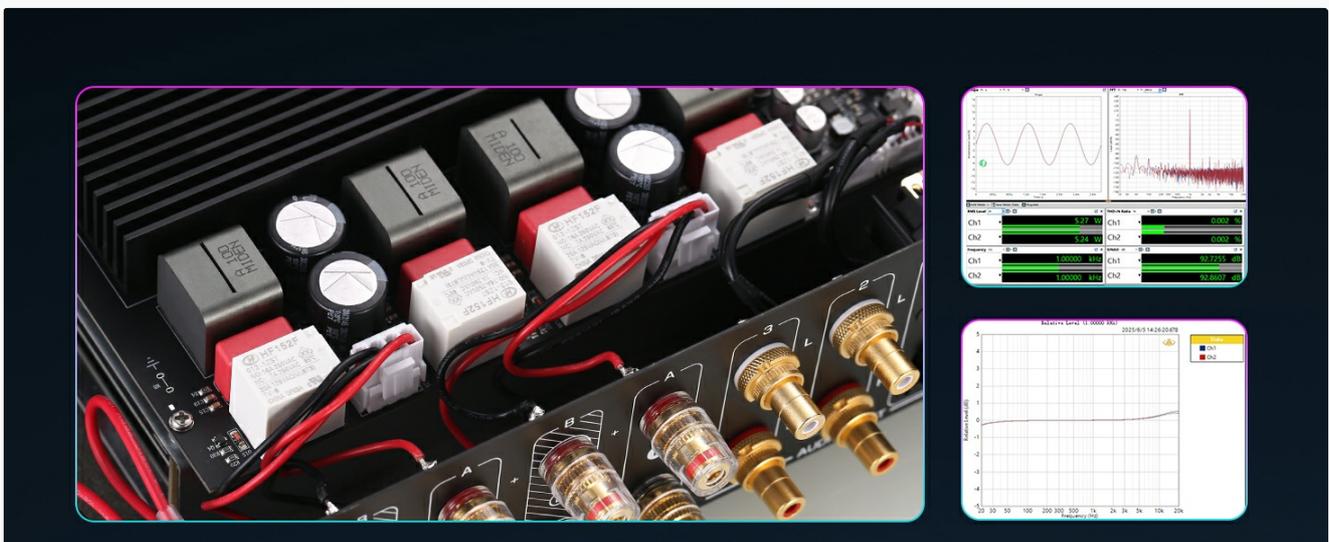


Image 6.4: Remote control layout and functions.

7. MAINTENANCE

To maintain the performance and longevity of your amplifier:

- Clean the unit with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Keep the ventilation openings clear of dust and debris.
- Avoid exposing the unit to extreme temperatures or humidity.
- Do not attempt to service the unit yourself. Contact qualified personnel for repairs.

8. TROUBLESHOOTING

If you encounter issues with your Douk Audio G7 amplifier, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Power cord not connected; Rear power switch off; Unit in standby.	Check power cord connection; Ensure rear power switch is ON; Press front standby button.

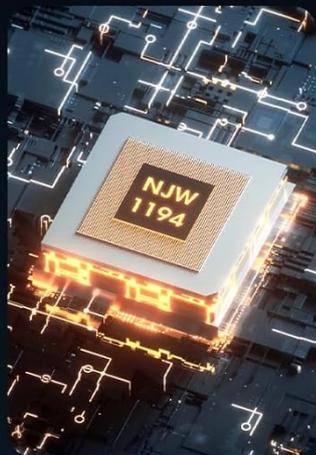
Problem	Possible Cause	Solution
No sound output	Incorrect input/output selected; Speaker wires loose; Volume too low; Unit muted; Bypass mode active.	Verify input/output selection; Check speaker connections; Increase volume; Unmute unit; Disable bypass mode if tone/volume control is desired.
Distorted sound	Input signal too high; Speaker impedance mismatch; Faulty cables.	Reduce source volume; Ensure speakers are compatible; Replace cables.
Remote control not working	Batteries dead/incorrectly inserted; Obstruction between remote and unit; Remote too far.	Replace batteries; Ensure clear line of sight to IR receiver; Operate within range.

9. SPECIFICATIONS

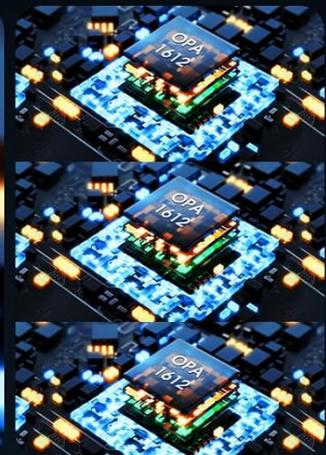
Detailed technical specifications for the Douk Audio G7 amplifier:

- **Product Dimensions:** 7.48 x 10.83 x 3.07 inches (190 x 275 x 78 mm)
- **Item Weight:** 7.36 Pounds (3.34 kg)
- **Model Number:** SUC-G7-US
- **Manufacturer:** Douk Audio
- **Power Output:** Up to 300W×2 or 150W×4 (using 2PCS TPA3255 chips)
- **Power Module:** Internal 48V/10A GaN power module
- **Op-amps:** NJW1194 IC and OPA1612 op-amps
- **THD+N:** 0.002%
- **SNR:** ≥112dB
- **Frequency Response:** 20Hz-20kHz (±0.5dB)
- **Voltage:** 100-240 Volts (AC)

Premium Chipset for Maximum Punch



PFFB



THD+N
0.002%

SNR
≥ 112dB

Frequency response
20Hz-20kHz (±0.5dB)

Image 9.1: Key internal components: TPA3255 chips and GaN power module.



Image 9.2: Audio processing chips and performance metrics.

10. WARRANTY AND SUPPORT

Douk Audio products are designed for reliability and performance. For warranty information, please refer to the specific terms provided at the time of purchase or contact Douk Audio customer support directly. For technical assistance or inquiries, please visit the official Douk Audio website or contact their support team.

You can visit the [Douk Audio Store on Amazon](#) for more information and support resources.

