

## Dpofirs EQ201

# Dpofirs EQ201 7-Band Sound Equalizer User Manual

Model: EQ201

## INTRODUCTION

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Thank you for choosing the Dpofirs EQ201 7-Band Sound Equalizer. This device is designed to provide precise audio control, allowing you to fine-tune sound frequencies for an optimal listening experience in both home and car audio systems. With its 7-band equalization, versatile connectivity, and powerful headphone amplification, the EQ201 offers enhanced sound customization.

## SAFETY INFORMATION

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- Read all instructions carefully before operating the device.
- Do not expose the device to water, moisture, or extreme temperatures.
- Ensure proper ventilation to prevent overheating.
- Use only the provided power adapter. Using an incorrect adapter may damage the device and void the warranty.
- Do not attempt to open or repair the device yourself. Refer all servicing to qualified personnel.
- Keep out of reach of children.

## PACKAGE CONTENTS

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Please check the package for the following items:

- 1 x Dpofirs EQ201 Sound Equalizer

- 1 x Power Adapter
- 1 x User Manual



Image: The Dpofirs EQ201 Sound Equalizer unit shown alongside its power adapter.

## PRODUCT OVERVIEW

Familiarize yourself with the various components and controls of your EQ201 equalizer.



Image: Front and top view of the equalizer, highlighting the 12V power supply input, RCA input, RCA output, volume control, power on/off button, 3.5mm jack input, and headphone output.

- **12V Power Supply:** Input for the DC power adapter.
- **RCA Input:** Connect audio sources via RCA cables.
- **RCA Output:** Connect to amplifiers or other audio devices via RCA cables.
- **Volume Control:** Adjusts the overall output volume.
- **Power On/Off:** Button to turn the unit on or off.
- **3.5mm Jack Input:** Connect audio sources via a 3.5mm cable.
- **Headphone Output:** Connect headphones for direct listening.



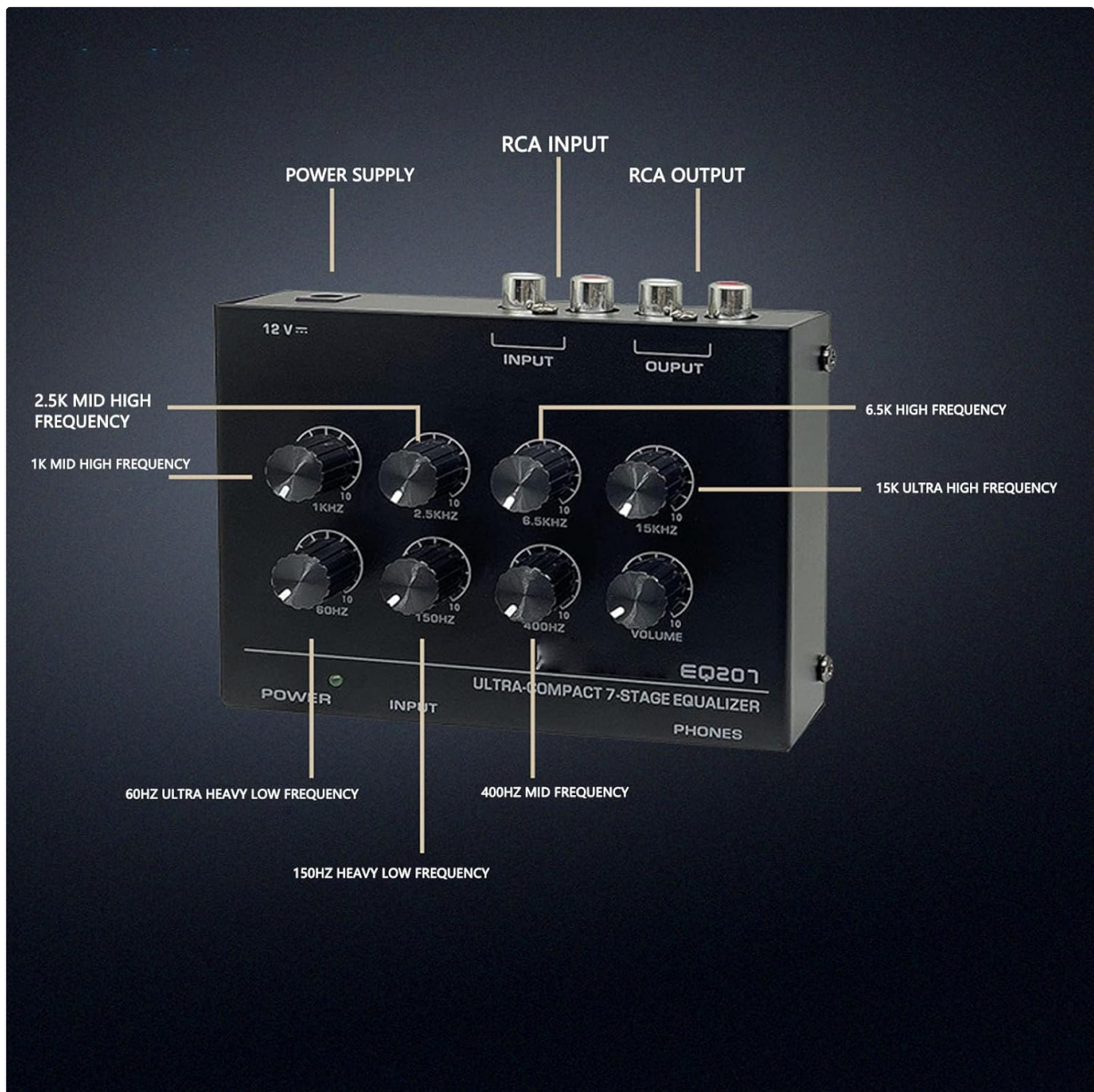


Image: Close-up view of the equalizer knobs, indicating the specific frequency bands: 60Hz, 150Hz, 400Hz, 1kHz, 2.5kHz, 6.5kHz, and 15kHz.

- **60Hz (Ultra Heavy Low Frequency):** Adjusts the deepest bass tones.
- **150Hz (Heavy Low Frequency):** Controls lower bass frequencies.
- **400Hz (Mid Frequency):** Adjusts lower-midrange sounds.
- **1kHz (Mid Frequency):** Controls central midrange sounds.
- **2.5kHz (Mid High Frequency):** Adjusts upper-midrange sounds.
- **6.5kHz (High Frequency):** Controls lower treble sounds.
- **15kHz (Ultra High Frequency):** Adjusts the highest treble sounds.

## SETUP

Follow these steps to connect your Dpofirs EQ201 equalizer to your audio system.

1. **Power Connection:** Connect the provided 12V power adapter to the "12V =" input on the equalizer and then plug it into a power outlet.
2. **Audio Input:**

- For RCA sources (e.g., CD player, pre-amplifier), connect RCA cables from your source's output to the "INPUT" RCA jacks on the equalizer.
- For 3.5mm sources (e.g., smartphone, laptop), connect a 3.5mm audio cable from your source's headphone/line-out jack to the "3.5mm Jack Input" on the equalizer.

### 3. Audio Output:

- For external amplifiers or speakers, connect RCA cables from the "OUTPUT" RCA jacks on the equalizer to the input of your amplifier or active speakers.
- For headphones, plug your headphones into the "Headphone Output" jack.

- Power On:** Press the "POWER" button to turn on the equalizer. The power indicator light will illuminate.



Image: Connection diagram illustrating how to connect a laptop as an input source, and speakers and headphones as output devices to the equalizer.

## OPERATING INSTRUCTIONS

Once connected and powered on, you can begin adjusting your audio.

1. **Initial Settings:** Start with all equalizer knobs (60Hz to 15kHz) set to their center (0) position. Set the "VOLUME" knob to a low level.
2. **Play Audio:** Begin playing audio from your connected source.
3. **Adjust Volume:** Slowly increase the "VOLUME" knob to your desired listening level.
4. **Equalization Adjustment:**
  - Rotate the individual frequency knobs to boost (turn clockwise) or cut (turn counter-clockwise) specific frequency bands by up to  $\pm 12$ dB.
  - Experiment with different settings to achieve your preferred sound profile. For example, increase 60Hz and 150Hz for more bass, or 6.5kHz and 15kHz for more treble.
  - The 1kHz and 2.5kHz bands control the clarity and presence of vocals and instruments.
5. **Headphone Use:** When using headphones, the headphone output will also be affected by the equalizer settings. The built-in NE5532 based amplifier ensures compatibility with various headphone types.
6. **3.5mm Input with Microphone (Smartphone):** If using a 4-pole 3.5mm input from a smartphone, the equalizer supports output to headsets with microphones, enabling seamless voice calls.

## MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use liquid cleaners or aerosols.
- **Storage:** When not in use for extended periods, store the equalizer in a cool, dry place away from direct sunlight.
- **Ventilation:** Ensure the unit has adequate airflow around it to prevent heat buildup.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power adapter not connected or faulty; Power button off.	Ensure power adapter is securely connected and plugged into a working outlet. Press the power button.
No sound output	Incorrect input/output connections; Volume too low; Source device not playing.	Check all audio cable connections. Increase the volume knob. Verify the audio source is playing and its volume is up.
Distorted sound	Input signal too strong; Equalizer settings too extreme; Faulty cables.	Reduce the volume from the source device. Adjust equalizer knobs to less extreme settings. Try different audio cables.
Humming or buzzing noise	Ground loop issue; Poor cable shielding; Interference.	Ensure all components are properly grounded. Use high-quality shielded cables. Try moving the equalizer away from other electronic devices.

## SPECIFICATIONS

- **Model:** EQ201
- **Material:** Aluminum Alloy
- **Power Interface:** 5.5x2.1mm DC Jack (12V)
- **Equalization Control Range:**  $\pm 12\text{dB}$
- **Equalization Bands:** 60Hz, 150Hz, 400Hz, 1kHz, 2.5kHz, 6.5kHz, 15kHz
- **Audio Inputs:** 1x RCA Stereo, 1x 3.5mm Jack (supports 4-pole plugs for microphone pass-through)
- **Audio Outputs:** 1x RCA Stereo, 1x Headphone Jack
- **Amplification Gain:** 5x
- **Input Impedance:** 10-47K $\Omega$
- **Output Impedance:** 600 $\Omega$
- **Headphone Driver Circuit:** NE5532 based 47 type

## WARRANTY AND SUPPORT

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This Dpofirs EQ201 Sound Equalizer comes with a manufacturer warranty for 90 days from the date of purchase.

For technical support, troubleshooting assistance, or warranty claims, please contact Dpofirs customer service through the retailer where the product was purchased or visit the official Dpofirs website for contact information.

Please retain your proof of purchase for warranty validation.