

Nobsound SUC-EQ9

Nobsound HiFi 9-Band Stereo EQ Preamp Analog Equalizer Audio Processor

Model: SUC-EQ9
Brand: Nobsound

1. INTRODUCTION

The Nobsound EQ9 is a versatile 9-band stereo equalizer and preamplifier designed to enhance and customize your audio experience. It allows for precise frequency adjustments, offering independent control over nine distinct frequency bands to fine-tune your sound. With its robust design and multiple input/output options, it is suitable for various home and car audio setups.

2. FEATURES

- **9-Band EQ Equalizer:** Independent control for 20Hz, 60Hz, 125Hz, 250Hz, 500Hz, 1KHz, 2KHz, 6KHz, and 16KHz frequency bands, with an adjustment range of -6dB to +6dB.
- **Dual RCA Inputs and Outputs:** Features two groups of RCA inputs and outputs, allowing for easy switching between audio sources without repeatedly plugging and unplugging cables.
- **High-Performance Audio:** Boasts a Signal-to-Noise Ratio (SNR) exceeding 111dB, a frequency response range of 20Hz-20kHz, and a low distortion level of 0.001%, ensuring accurate audio signal reproduction.
- **Bypass Design:** Includes a bypass mode to disengage EQ preamplification, allowing the audio signal to pass directly from input to output without processing, preserving the original sound.
- **Balance Adjustment:** Equipped with a balance control knob to compensate for left and right channel discrepancies, ensuring accurate sound field positioning.
- **Durable Construction:** Features a black aluminum alloy shell, providing excellent shielding performance, a sleek appearance, and enhanced durability.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1x Nobsound EQ9 Preamp
- 1x DC12V Power Adapter

PACKING LIST

1*EQ9 Preamp



Net Weight
457g/1.0lb

Package Weight
700g/1.54lb



1*DC 12V Power Adapter

Image: Nobsound EQ9 packing list, illustrating the equalizer unit and its DC12V power adapter, along with product dimensions and weight specifications.

4. SETUP

Follow these steps to connect your Nobsound EQ9:

1. **Power Connection:** Connect the provided DC12V power adapter to the 'DC 12V IN' port on the rear panel of the EQ9. Plug the adapter into a suitable power outlet.
2. **Audio Input:** Connect your audio source (e.g., CD player, computer, phone, tablet PC) to one of the 'AUDIO INPUT' RCA channels (CH1 or CH2) on the rear panel using RCA cables. Ensure left (L) and right (R)

channels are matched.

3. **Audio Output:** Connect the 'AUDIO OUTPUT' RCA channels (CH1 or CH2) from the EQ9 to your amplifier, active speakers, or other audio receiving device. Ensure left (L) and right (R) channels are matched.
4. **Input Selection:** Use the 'CH1/CH2' switch on the front panel to select the active input channel.
5. **Power On/Off:** Use the 'ON/OFF' switch on the front panel to power the unit on or off.



Image: Detailed diagram of the Nobsound EQ9's front and rear panels, illustrating all control knobs, input/output ports, and their respective functions for proper setup and connection.

Setup Demonstration Video

Your browser does not support the video tag.

Video: A visual guide demonstrating the physical setup and connection process of the Nobsound EQ9, including power, audio input, and audio output connections.

5. OPERATING INSTRUCTIONS

Once connected, you can begin customizing your audio:

1. **Power On:** Flip the 'ON/OFF' switch to the 'ON' position. The unit's indicator light will illuminate.
2. **Select Input:** Use the 'CH1/CH2' switch to select the audio input channel you wish to process.
3. **Adjust Frequency Bands:** Use the nine individual rotary knobs (20Hz, 60Hz, 125Hz, 250Hz, 500Hz, 1KHz, 2KHz, 6KHz, 16KHz) to boost or cut specific frequency ranges. Turning a knob clockwise increases the gain for that frequency, while turning it counter-clockwise decreases it. The center position is flat (0dB).
4. **Balance Adjustment:** The 'BAL' knob on the far right allows you to adjust the balance between the left and right audio channels. Ensure it is centered for equal output from both channels unless specific compensation is required.
5. **Bypass Mode:** The 'TONE/BYPASS' button on the rear panel (or sometimes a switch on the front, refer to your specific unit's labeling) allows you to bypass the equalizer circuit. In bypass mode, the audio signal passes through without any EQ processing, providing the original sound. Press or switch to 'TONE' for EQ processing.

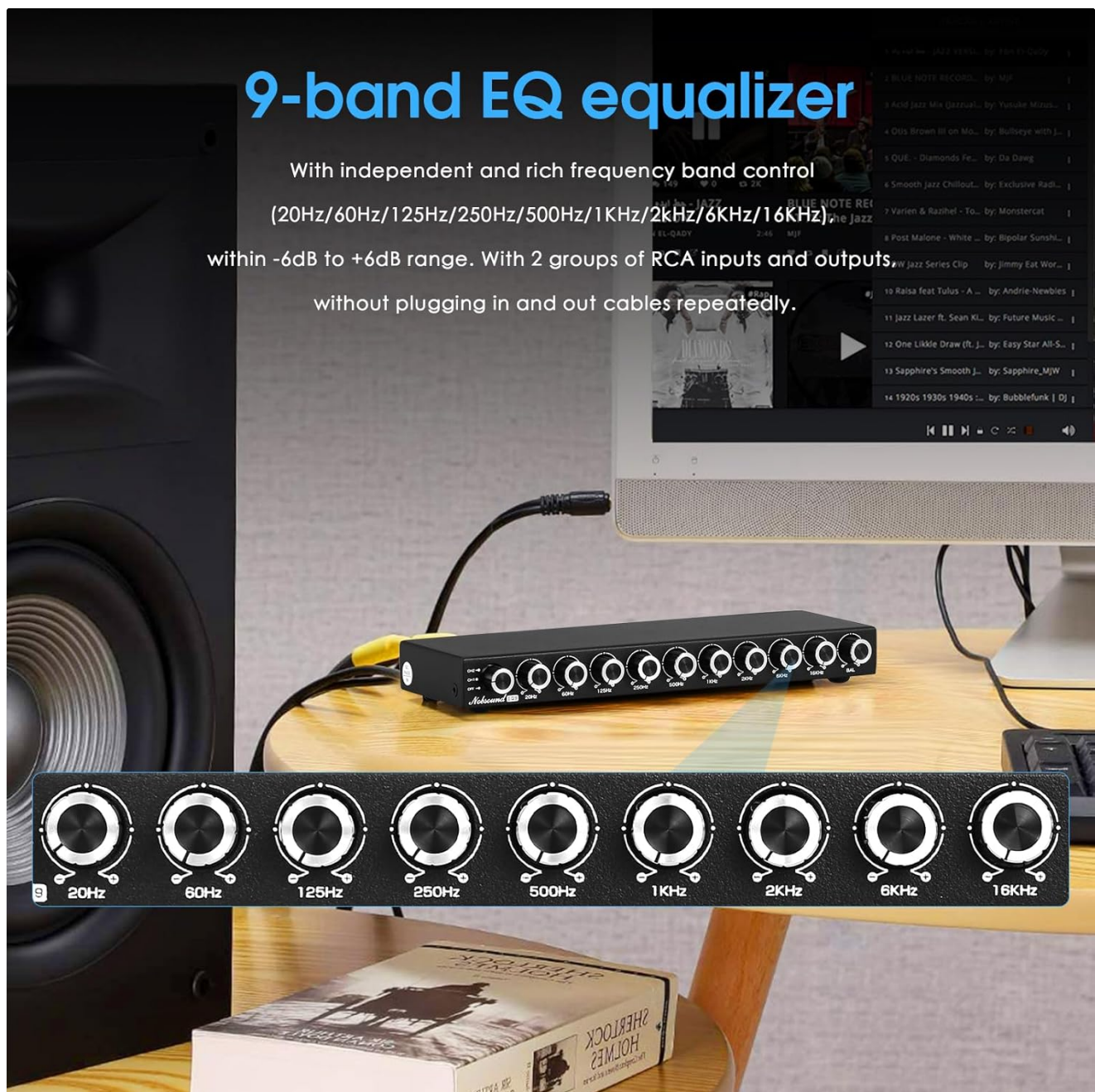


Image: Front view of the Nobsound EQ9, highlighting the nine frequency adjustment knobs and their corresponding frequency labels (20Hz to 16KHz).

Bypass design and balance adjustment

with bypass mode to turn off EQ preamplification, the audio signal will output from IN to OUT directly without any processing, convenient to enjoy original sound. Also with a balance control to compensate for the left and right channel of all outputs and prevent the sound field positioning from deviating from the center position.



Image: The Nobsound EQ9 showcasing its bypass functionality and the balance adjustment knob, which allows for fine-tuning of left and right channel output.

Operation Demonstration Video

Your browser does not support the video tag.

Video: A demonstration of adjusting the frequency bands and using the input selection and bypass features on the Nobsound EQ9.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Nobsound EQ9:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the unit. Avoid using liquid cleaners, aerosols, or solvents, as they may damage the finish or internal components.
- **Ventilation:** Ensure the unit is placed in a well-ventilated area to prevent overheating. Do not block any ventilation openings.

- **Storage:** When not in use for extended periods, store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handle with Care:** Avoid dropping the unit or subjecting it to strong impacts.

7. TROUBLESHOOTING

If you encounter issues with your Nobsound EQ9, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound output.	Unit is off; incorrect input/output connections; cables faulty; bypass mode active.	Ensure unit is powered on. Check all RCA cable connections for proper seating and correct channel (L/R) matching. Verify the input selector is on the correct channel. Ensure the 'TONE/BYPASS' switch is set to 'TONE'. Test with different cables if possible.
Distorted or poor sound quality.	Input signal too strong; frequency bands over-adjusted; faulty cables.	Reduce the input volume from your audio source. Adjust the EQ knobs to a more moderate setting. Ensure all cables are in good condition and properly connected.
Sound is unbalanced (one channel louder/quieter).	Balance knob misadjusted; faulty RCA cable or connection.	Check the 'BAL' (Balance) knob and ensure it is centered. If the issue persists, check the RCA cables for the affected channel and try swapping them to identify a faulty cable.
Unit does not power on.	Power adapter not connected; power outlet faulty; adapter faulty.	Ensure the DC12V power adapter is securely connected to the unit and a working power outlet. Try a different power outlet. If available, test with another compatible DC12V power adapter.

8. SPECIFICATIONS

Specification	Value
Item Weight	1.01 pounds (457g)
Product Dimensions (L x W x H)	8.66 x 0.83 x 0.83 inches (220 x 21 x 21 mm)
Item Model Number	SUC-EQ9
Signal-to-Noise Ratio (SNR)	> 111dB
Distortion Level	< 0.001%
Frequency Response Range	20Hz-20kHz

Specification	Value
Compatible Devices	Preamplifier, CD Player, Computer, Active Speakers, Amplifier
Connector Type	RCA
Material Type	Aluminum Alloy
Power Source	AC Adapter (DC12V)

High performance

The SNR of EQ9 exceeds 111dB, combined with a frequency response range of 20Hz-20KHz, with a distortion level as low as 0.001%, ensuring perfect reproduction of audio signal.

SNR | $\geq 111\text{dB}$

Distortion Level | $\leq 0.001\%$

Frequency Response Range | 20Hz-20kHz

Image: The Nobsound EQ9 with a visual representation of its high-performance metrics, including Signal-to-Noise Ratio (SNR), Distortion Level, and Frequency Response Range.

9. WARRANTY AND SUPPORT

Nobsound products typically come with a manufacturer's warranty. Please refer to the warranty card or

documentation included with your purchase for specific terms and conditions, including warranty period and coverage details.

For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact Nobsound customer service directly. Contact information can usually be found on the manufacturer's website or on the product packaging.

You can also visit the official Nobsound store for more information and support resources:[Nobsound Amazon Store](#)

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