

Behringer NX1000

Behringer NX1000 Ultra-Lightweight 1000W Class-D Power Amplifier Instruction Manual

MODEL: NX1000

Brand: Behringer

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Behringer NX1000 Ultra-Lightweight 1000W Class-D Power Amplifier. Please read this manual thoroughly before using the product to ensure proper setup, usage, and maintenance.



Front view of the Behringer NX1000 amplifier, showcasing its compact design and front panel controls.

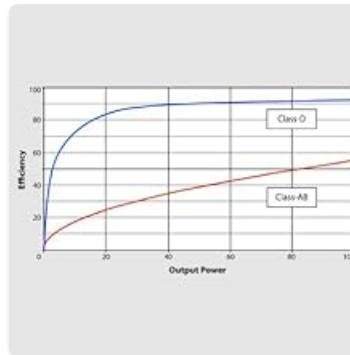
2. WHAT'S IN THE BOX

Verify that all components are present upon unpacking:

- Behringer NX1000 Ultra-Lightweight 1000-Watt Class-D Power Amplifier
- Power Cable
- Instruction Manual (this document)

3. KEY FEATURES

- Delivers 2 x 500 watts into 2 ohms; 2 x 300 watts into 4 ohms; 1000 watts into 4 ohms (Bridge mode) and weighs less than 7.3 lbs/ 3.3 kg.
- Ultimate reliability through revolutionary cool-running high-density Class-D technology with "near-zero" Thermal buildup.
- Ultra-efficient switch-mode power supply for noise-free audio, superior transient response and low power consumption.
- Built-in stereo crossover with low-cut, high-cut and full range Mode.
- SmartSense loudspeaker Impedance compensation features fully Linear frequency response at any speaker load Impedance.



An efficiency graph illustrating the superior performance of Class-D technology compared to Class-AB, showing higher efficiency across various output power levels.



A frequency response graph demonstrating the linear output achieved by SmartSense loudspeaker impedance compensation, ensuring consistent sound quality regardless of speaker load.

4. SETUP

Proper setup is crucial for optimal performance and safety. Follow these guidelines for connecting your amplifier:

4.1. Rack Mounting

The NX1000 is designed for standard 19-inch rack mounting. Secure the amplifier using appropriate rack screws through the rack ears on both sides of the unit.



Side profile of the Behringer NX1000 amplifier, highlighting its rack-mountable chassis.

4.2. Audio Connections

Connect your audio source (mixer, preamplifier, etc.) to the amplifier's input jacks. The NX1000 supports both XLR and 1/4-inch TRS connectors for balanced input signals.

Connect your passive loudspeakers to the amplifier's output terminals. The NX1000 provides both speakON and binding post outputs for flexible speaker connectivity.



Detailed view of the rear panel, showing input and output connectors for audio signals and speakers.

4.3. Power Connection

Connect the supplied power cable to the AC inlet on the rear panel of the amplifier and then to a suitable power outlet.

4.4. Setup Video Guide

A step-by-step guide on how to set up D Series amplifiers, covering speaker connections, input sources, and mode selection for various audio configurations.

5. OPERATING THE AMPLIFIER

5.1. Powering On/Off

Press the **POWER** switch on the front panel to turn the amplifier on or off. The **POWER** LED will illuminate when the unit is active.



Close-up of the power button, indicating its location on the front panel.

5.2. Volume Controls

Adjust the **CHANNEL A** and **CHANNEL B** gain knobs on the front panel to set the desired output volume for each channel. The LCD display will show the decibel levels for precise adjustment.

5.3. Mode Selection

On the rear panel, use the **MODE** switch to select between **STEREO**, **BRIDGED**, or **PARALLEL** operation, depending on your speaker configuration requirements.

- **STEREO:** Each channel operates independently, providing separate left and right audio signals.
- **BRIDGED:** Combines the power of both channels into a single, high-power output, ideal for driving a single subwoofer.
- **PARALLEL:** Sends the same mono signal to both channels, useful for driving multiple speakers with identical audio.

5.4. Crossover Settings

Utilize the built-in stereo crossover with low-cut, high-cut, and full-range modes to optimize the frequency response for your specific speakers or subwoofers.

5.5. LED Indicators

The front panel features several LED indicators:

- **PRO (Protect):** Illuminates if the amplifier enters protection mode due to overload, overheating, or short-circuit.
- **LIMIT:** Indicates that the output signal is approaching clipping. Reduce the input level to prevent distortion.
- **SIGNAL:** Lights up when an audio signal is present on the respective channel.
- **POWER:** Indicates that the amplifier is powered on.

5.6. Product Overview Video

An overview video demonstrating the features and connectivity options of the D Series power amplifiers, including front panel controls, input/output configurations, and operational modes.

6. MAINTENANCE

To ensure the longevity and optimal performance of your amplifier, follow these maintenance tips:

- Keep the unit clean by wiping it with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- Ensure adequate ventilation around the amplifier to prevent overheating. Do not block the ventilation

grilles.

- Regularly check all cable connections for secure fit and signs of wear.

7. TROUBLESHOOTING

If you encounter issues with your Behringer NX1000 amplifier, refer to the following common problems and solutions:

- **No Sound Output:**
 - Check all audio input and output connections.
 - Ensure the amplifier is powered on and the POWER LED is illuminated.
 - Verify that input sources are active and sending a signal.
 - Adjust channel gain knobs and master volume on your mixer/preamp.
- **Distorted Sound:**
 - Check if the LIMIT LED is illuminated; reduce input level if it is.
 - Ensure speaker impedance matches the amplifier's capabilities.
 - Inspect speaker cables for damage or incorrect wiring.
- **Amplifier Enters Protect Mode (PRO LED illuminated):**
 - Turn off the amplifier and disconnect all speakers.
 - Check for short circuits in speaker cables or faulty speakers.
 - Ensure proper ventilation to prevent overheating. Allow the unit to cool down.
 - Verify that the speaker load impedance is within the amplifier's specified range (e.g., not below 2 ohms per channel).
- **Excessive Fan Noise:**
 - Ensure the amplifier has sufficient airflow and is not in an enclosed space.
 - Clean any dust buildup from the fan and ventilation grilles.

8. SPECIFICATIONS

Feature	Detail
Model Name	NX1000
Power Output (2 Ohms)	2 x 500 Watts
Power Output (4 Ohms)	2 x 300 Watts
Power Output (4 Ohms Bridged)	1000 Watts
Weight	7.3 lbs / 3.3 kg
Amplifier Class	Class-D
Loudspeaker Impedance Compensation	SmartSense
Crossover	Built-in stereo (low-cut, high-cut, full range)

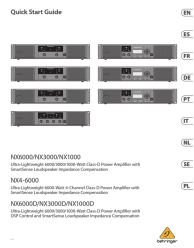


Feature	Detail
Power Supply	Ultra-efficient switch-mode
Product Dimensions	19.02 x 9.09 x 3.7 inches
Connectivity Technology	Wired
Audio Output Mode	Stereo
Number Of Circuits	2

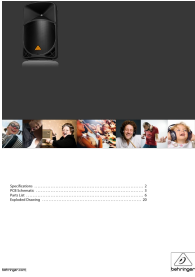
9. WARRANTY & SUPPORT

The Behringer NX1000 amplifier comes with a **Limited Warranty**. For detailed warranty information, product support, or service inquiries, please visit the official Behringer website or contact their customer support directly.

Always refer to the manufacturer's official resources for the most accurate and up-to-date information regarding your product.

Related Documents - NX1000

	<p>Behringer NX Series Power Amplifiers: Quick Start Guide</p> <p>Comprehensive quick start guide for Behringer NX6000, NX3000, NX1000, NX4-6000, NX6000D, NX3000D, NX1000D Class-D power amplifiers, covering safety, hook-up, controls, getting started, bi-amping, and specifications.</p>
	<p>Behringer NX Series Power Amplifiers: Quick Start Guide</p> <p>Get started quickly with the Behringer NX Series Ultra-Lightweight Class-D Power Amplifiers. This guide covers models NX6000, NX3000, NX1000, NX4-6000, and their DSP-enabled counterparts (NX6000D, NX3000D, NX1000D), detailing setup, controls, and bi-amping configurations.</p>
	<p>Behringer NX Series Power Amplifiers Quick Start Guide</p> <p>Quick start guide for Behringer NX6000, NX3000, NX1000, NX4-6000, NX6000D, NX3000D, and NX1000D Class-D power amplifiers. Covers safety instructions, controls, hook-up diagrams, bi-amping procedures, and detailed specifications.</p>



[Behringer EUROLIVE B115D Service Manual](#)

Comprehensive service manual for the Behringer EUROLIVE B115D active 2-way 15" PA speaker system with integrated mixer. Includes detailed specifications, PCB schematics, parts lists, and exploded assembly diagrams.



[BEHRINGER iNUKE Series: High-Power, Lightweight DSP PA Amplifiers](#)

Discover the BEHRINGER iNUKE series of ultra-lightweight, high-density PA amplifiers. Featuring advanced Class-D technology, comprehensive DSP control, and substantial power output, these amplifiers are designed for professional audio applications, offering superior performance and portability.



[Behringer EUROLIVE D Series Powered PA Speakers: B215D, B212D, B210D, B208D Overview](#)

Explore the Behringer EUROLIVE D Series powered PA loudspeakers (B215D, B212D, B210D, B208D). This guide details their Class-D amplifier technology, high-power output, versatile features, and application suitability for live sound and playback.