

## Ashly nX1504

# Ashly nX1504 4 Channel Power Amplifier User Manual

Model: nX1504 | Brand: Ashly

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Ashly nX1504 4 Channel Power Amplifier. The nX1504 is a robust power amplifier designed to deliver 4 x 150 Watts at 2 Ohms, suitable for various professional audio applications. Please read this manual thoroughly before installation and operation to ensure optimal performance and longevity of your device.

## 2. SAFETY INFORMATION

Always adhere to the following safety precautions to prevent electric shock, fire, or damage to the unit:

- **Power Source:** Connect the unit only to the specified power supply voltage as indicated on the rear panel.
- **Grounding:** Ensure the unit is properly grounded to prevent electric shock.
- **Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the unit to prevent overheating.
- **Moisture:** Do not expose the unit to rain or moisture. Do not place objects filled with liquids on the unit.
- **Servicing:** Refer all servicing to qualified service personnel. Do not attempt to service this unit yourself.
- **Cleaning:** Disconnect power before cleaning. Use a dry cloth for cleaning.

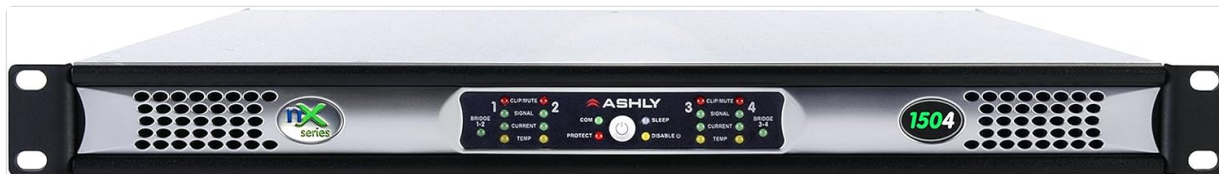
## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

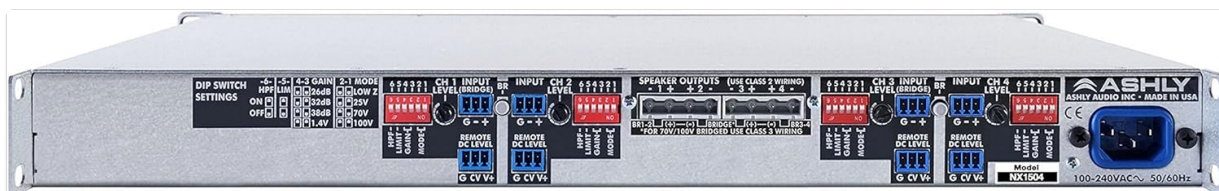
- Ashly nX1504 4 Channel Power Amplifier
- AC Power Cord
- User Manual (this document)
- Rack Mount Screws (if applicable)

## 4. PRODUCT OVERVIEW

The Ashly nX1504 features a robust design with intuitive controls and indicators on the front panel, and comprehensive connectivity on the rear panel.



**Figure 4.1:** Front Panel of the Ashly nX1504 Power Amplifier. This view shows the power button, channel indicators (Clip/Mute, Signal, Current, Protect, Temp), and the nX series branding.



**Figure 4.2:** Rear Panel of the Ashly nX1504 Power Amplifier. This view displays the DIP switch settings, input connectors (CH1-CH4), speaker outputs, remote control ports, and the AC power inlet.

### 4.1 Front Panel Features

- **Power Button:** Turns the amplifier on/off.
- **Channel Indicators (1-4):**
  - **CLIP/MUTE:** Illuminates when the output signal is clipping or when the channel is muted.
  - **SIGNAL:** Illuminates when an audio signal is present.
  - **CURRENT:** Indicates output current status.
  - **PROTECT:** Illuminates when the protection circuit is active.
  - **TEMP:** Illuminates when the amplifier is overheating.

### 4.2 Rear Panel Features

- **DIP Switch Settings:** Configures various amplifier parameters such as gain, HPF, and bridging. Refer to the detailed setup section for specific configurations.
- **Input Connectors (CH1-CH4):** Balanced input connections for audio signals.
- **Speaker Outputs:** Connects to loudspeakers. Supports various wiring configurations including bridged mode.
- **Remote DC Level:** Ports for remote control of channel levels.
- **AC Power Inlet:** Standard IEC power connector for AC power cord.

## 5. SETUP

Follow these steps to set up your Ashly nX1504 amplifier:

1. **Rack Mounting:** Securely mount the amplifier in a standard 19-inch equipment rack using appropriate rack screws. Ensure sufficient space for ventilation.
2. **Input Connections:** Connect your audio source (mixer, preamplifier, etc.) to the input connectors (CH1-CH4) on the rear panel using balanced XLR or TRS cables.
3. **Speaker Connections:** Connect your loudspeakers to the speaker output terminals. Pay close attention to polarity (+/-) and impedance matching. For bridged operation, consult the rear panel diagram and DIP switch settings.
4. **DIP Switch Configuration:** Before powering on, configure the DIP switches on the rear panel according to your system requirements (e.g., input gain, high-pass filter, bridging). Refer to the diagram on the rear panel for specific switch functions.
5. **Power Connection:** Connect the supplied AC power cord to the AC power inlet on the rear panel, then plug the other end into a grounded power outlet.
6. **Initial Power On:** Ensure all connections are secure and correct. Turn on the amplifier using the front panel power button. Observe the indicator lights for normal operation.

## 6. OPERATING INSTRUCTIONS

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Once the amplifier is set up, follow these guidelines for operation:

- **Gain Structure:** Adjust the input gain on your source device and the amplifier's input sensitivity (via DIP switches) to achieve optimal signal-to-noise ratio without clipping. The SIGNAL indicator should illuminate consistently, and the CLIP/MUTE indicator should only flash momentarily during peak signals, if at all.
- **Monitoring Indicators:** Regularly monitor the front panel indicators:
  - **CLIP/MUTE:** If this light is constantly on, reduce the input level to prevent distortion and potential speaker damage.
  - **PROTECT/TEMP:** If these lights illuminate, the amplifier is in protection mode or overheating. Turn off the unit, allow it to cool, and check for proper ventilation or speaker impedance issues.
- **Bridged Mode:** If operating in bridged mode, ensure the correct DIP switch settings are applied and that the speaker impedance is suitable for bridged operation (typically higher impedance than stereo mode).
- **Power Down:** Always power down the amplifier after use by pressing the front panel power button.

## 7. MAINTENANCE

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Proper maintenance ensures the longevity and reliable performance of your amplifier:

- **Cleaning:** Regularly clean the exterior of the amplifier with a soft, dry cloth. Do not use liquid cleaners or solvents. Ensure ventilation grilles are free of dust and debris.
- **Ventilation:** Periodically check that the ventilation openings are not obstructed. Dust accumulation can lead to overheating.
- **Connections:** Periodically check all input and output connections for secure fit. Loose connections can cause signal loss or intermittent operation.
- **Storage:** If storing the amplifier for an extended period, ensure it is in a dry, cool environment, protected from dust and extreme temperatures.

## 8. TROUBLESHOOTING

Refer to the table below for common issues and their solutions:

Problem	Possible Cause	Solution
No power	Power cord disconnected; Power outlet failure; Internal fuse blown	Check power cord connection; Test power outlet; Contact qualified service personnel for fuse replacement.
No sound output	Input cables disconnected; Speaker cables disconnected/incorrectly wired; Amplifier muted; Source device issue	Check all input and speaker connections; Ensure amplifier is not muted; Verify source device is sending signal.
Distorted sound / CLIP light on constantly	Input signal too high; Speaker impedance too low	Reduce input level from source; Check speaker impedance and ensure it matches amplifier specifications.
PROTECT or TEMP light on	Overheating; Short circuit in speaker wiring; Overload condition	Turn off amplifier, allow to cool; Check speaker wiring for shorts; Verify speaker impedance is within limits. Ensure proper ventilation.

## 9. SPECIFICATIONS

Key technical specifications for the Ashly nX1504 Power Amplifier:

- **Model Number:** nX1504
- **Power Output:** 4 x 150 Watts @ 2 Ohms (as per product description)
- **Product Dimensions:** 25 x 20 x 3 inches
- **Item Weight:** 2 pounds
- **Manufacturer:** Ashly
- **Date First Available:** April 6, 2018
- **ASIN:** B07BYSFDHZ


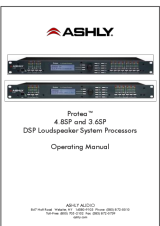



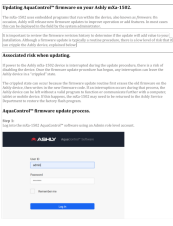
## 10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Ashly website or contact their customer service. Keep your purchase receipt as proof of purchase for warranty claims.

**Ashly Website:** [www.ashly.com](http://www.ashly.com)

**Contact Support:** Refer to the Ashly website for contact details, including phone numbers and email addresses for technical assistance.

## Related Documents - nX1504

 <p>Ashly digiMIX24 24 Channel Digital Mixer Operating Manual</p>	<p><a href="#">Ashly digiMIX24 Digital Mixer Operating Manual</a></p> <p>This operating manual provides comprehensive instructions for the Ashly digiMIX24 Digital Mixer, covering its features, controls, setup, and troubleshooting. It details standard and optional features, including digital audio options and iPad remote control.</p>
 <p>Ashly Protea™ 4.8SP and 3.6SP DSP Loudspeaker System Processors Operating Manual</p>	<p><a href="#">Ashly Protea 4.8SP and 3.6SP DSP Loudspeaker System Processors Operating Manual</a></p> <p>Operating manual for the Ashly Protea 4.8SP and 3.6SP Digital Crossover/System Processors, detailing audio features, user interface, power requirements, front panel controls, interconnect features, software, troubleshooting, specifications, and warranty information.</p>
 <p>Ashly DPX-100 Graphic Equalizer Compressor/Limiter Operating Manual</p>	<p><a href="#">Ashly DPX-100 Graphic Equalizer Compressor/Limiter Operating Manual</a></p> <p>Operating manual for the Ashly DPX-100, a 15-band graphic equalizer and full-function peak compressor/limiter. Details controls, connections, applications, design theory, troubleshooting, and specifications for professional audio use.</p>
 <p>Ashly AQZ32 Audio Mixer Operating Manual</p>	<p><a href="#">Ashly AQZ32 Audio Mixer Operating Manual</a></p> <p>Comprehensive operating manual for the Ashly AQZ32 16x16 Audio Mixer with Dante, detailing installation, software control, DSP functions, remote control options, and troubleshooting.</p>
 <p>AquaControl Simple Control Integration Guide</p>	<p><a href="#">AquaControl Simple Control Integration Guide</a></p> <p>A guide to integrating AquaControl systems using the Simple Control HTTP API, detailing endpoints, parameters, and usage examples for developers and AV integrators.</p>
 <p>Updating AquaControl™ Firmware on your Ashly mXa-1502</p>	<p><a href="#">Ashly mXa-1502 AquaControl™ Firmware Update Guide</a></p> <p>Detailed instructions for updating the AquaControl™ firmware on the Ashly mXa-1502 audio processor. Covers potential risks, backup procedures, and the step-by-step update process via the AquaControl™ software.</p>