

DENON

PROFESSIONAL

DN-470A

User Guide

English (3–6)

Appendix

English (23)

User Guide (English)

Introduction

Thank you for purchasing the DN-470A. At Denon Professional, performance and reliability mean as much to us as they do to you. That's why we design our equipment with only one thing in mind—to make your performance the best it can be.

Box Contents

DN-470A

(2) 6-Pin Euroblock Connectors

(4) 4-Pin Euroblock Connectors

Power Cable

Rack Ears with Screws

User Guide

Safety & Warranty Manual

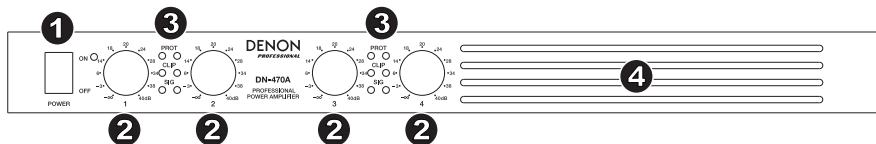
Support

For the latest information about this product (documentation, technical specifications, system requirements, compatibility information, etc.) and product registration, visit denonpro.com.

For additional product support, visit denonpro.com/support.

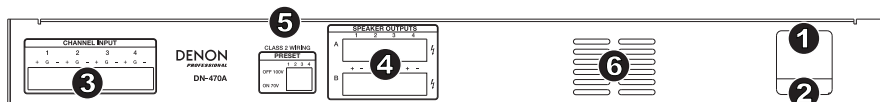
Features

Front Panel



- Power Switch:** Press this switch to power DN-470A on or off.
- Level Knobs:** Turn these knobs to set the output level for each channel.
- Signal/Clip/Protection LEDs:** These lights will illuminate different colors to show the signal status of each channel input:
 - Signal LED:** The input's **Signal LED** will be lit green when it is receiving a signal at an optimal level.
 - Clip LED:** The input's **Clip LED** is "peaking" when the LED is lit red (higher than 0 dB). Turn its **Level knob** counter-clockwise or reduce the volume of the source to prevent "clipping" (distortion).
 - Protection LED:** If the **Protection LED** turns red, the unit is in heat protection mode and will not output sound. To restore sound output, reduce the temperature by making sure there is good ventilation and by decreasing the signal level.
- Air Intake Vents:** Keep the vents clear from obstructions to allow air to flow through the front grill for proper performance.

Rear Panel



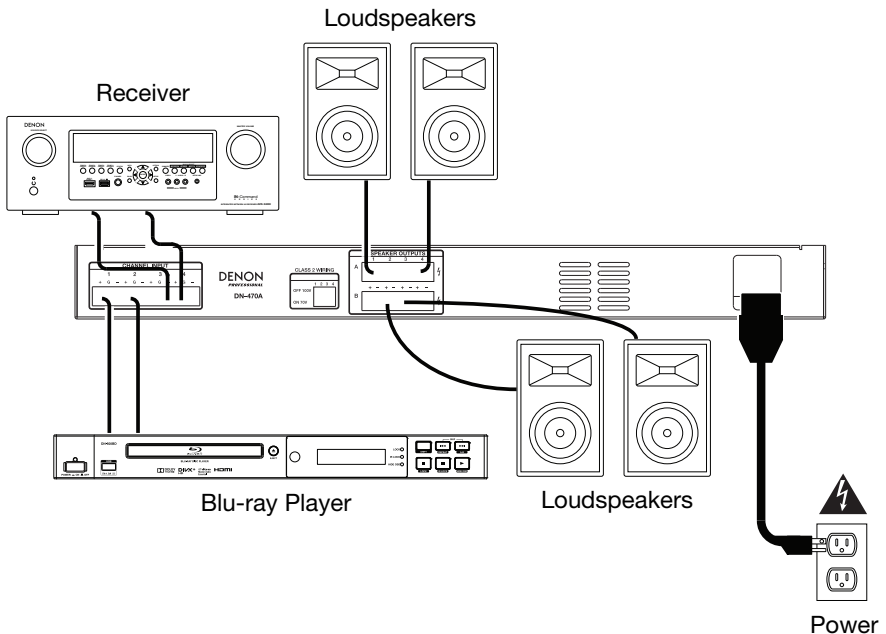
- Power Inlet:** Use the included power cable to connect this input to a power outlet.
- Fuse:** If the unit's fuse is broken, lift this tab to replace the fuse. Replace it with a fuse with an appropriate rating. Using a fuse with an incorrect rating can damage the unit and/or fuse.
- Inputs:** Use Euroblock connectors to connect these channel inputs to your audio sources. Each channel has a ground (**G**), cold/negative (**-**), and hot/positive (**+**) connector. Make sure the wiring of each device matches each connection.
- Outputs:** Use Euroblock connectors to connect these channel outputs to your loudspeakers. Each channel has a switch for **70V** and **100V**. Make sure the wiring of each loudspeaker is done properly for each output.
- Operation Mode Switch:** Select the operation mode (70V or 100V) for each channel's output by moving the dip-switches to the desired position.
- Exhaust Vents:** Air from the front intake flows through the unit and exits here. For proper performance, do not block the air vent.

Setup

Items not listed under **Introduction > Box Contents** are sold separately.

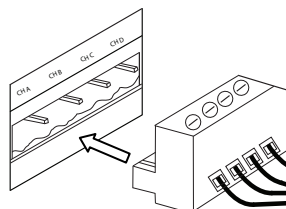
1. Use the included Euroblock connectors to connect the **inputs** on the rear panel to your audio sources.
 - Each channel input has a ground (**G**), cold/negative (**-**), and hot/positive (**+**) connector.
2. Use the included Euroblock connectors to connect the **outputs** on the rear panel to your loudspeakers.
 - Each channel output has a switch for **70V** and **100V**.
3. Use the included power cable to connect the **power inlet** to a power outlet.
4. Power on all of your audio sources (Blu-ray® players, stereos, microphones, amplifiers, etc.).
5. Press the **power switch** to power on DN-470A.
6. Adjust the **level knobs** for each channel input as necessary.

Example



Using a Euroblock Connector

1. Twist the speaker wire to form a tight strand and insert this into the appropriate port, pushing the wire until it is secured inside.
2. Attach the Euroblock connector to the terminal on DN-470A.
3. To disconnect a wire, use a small screwdriver to press in the spring above the insert port while pulling out the wire.



Troubleshooting

If you encounter a problem, try doing these things first:

- Make sure all cables and other connected devices are properly and securely connected.
- Make sure you are using DN-470A as described in this user guide.
- Make sure your other devices or media are working properly.
- If you believe DN-470A is not working properly, check the following table for your problem and solution.

Problem:	Solution:	Please see:
Power does not turn on.	Make sure DN-470A's power inlet is properly connected to a power outlet using the included power cable.	Setup
DN-470A does not produce any sound, or the sound is distorted.	Make sure all cable and device connections are secure and correct. Make sure none of the cables are damaged. Make sure the settings on your loudspeaker, mixer, etc. are correct.	Setup
The sound has a hum or noise.	Check the polarity of the input connections. If an unbalanced connection is used, ensure terminal (-) is linked to GND. If the clip LED is lit, reduce the output volume. Check the polarity of the speaker connections.	Setup

Appendix (English)

Technical Specifications

Total Harmonic Distortion	< 0.1%
Frequency Response	100 Hz – 15 kHz (0+/-1 dBv)
Signal-to-Noise Ratio	> 95 dB
Channel Separation	> 70 dB
Output Power (each channel)	120 W
Input Sensitivity	0.9-1.1V (0+/-1dBv)
Input Impedance	20kΩ balanced or 10kΩ unbalanced
Connectors	(4) Euroblock channel outputs (70V, 100V) (8) Euroblock channel inputs (ground, -, +) (1) IEC power inlet
Power	Connection: IEC Input Voltage: Japan: 100 V~, 50/60 Hz, 1000 W US/CA: 110–120 V~, 50/60 Hz, 1000 W EU/UK: 220–240 V~, 50/50 Hz, 1000 W
Dimensions (width x depth x height)	19.0" x 11.1" x 1.7" 483 x 281 x 44 mm
Weight	10.4 lbs. 4.7 kg

Specifications are subject to change without notice.

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