



(61) 3051-5800

DENON

PROFESSIONAL

DN-306XA

User Guide	English (2 – 5)
Guía del usuario	Español (6 – 9)
Guide d'utilisation	Français (10 – 13)
Guida per l'uso	Italiano (14 – 17)
Benutzerhandbuch	Deutsch (18 – 21)
Appendix	English (22 – 23)

User Guide (English)

Introduction

The DN-306XA is an ultra-slim 1U rack-mounted 6-channel mixer with 6 mic/line combination inputs. It has balanced XLR outputs. The DN-306XA provides individual volume control for all inputs and a master volume control. It has a 3-level equalizer and a controlled priority for Mic/Line 1. The DN-306XA output section offers detachable Euroblock 70V and 100V outputs with a 4Ω transformer bypass output. It can be powered from a standard AC power source.

Please see this guide's **Setup** chapter to learn how to integrate DN-306XA with your audio system.

Box Contents

DN-306XA

Power Cable

Euroblock Connector

User Guide

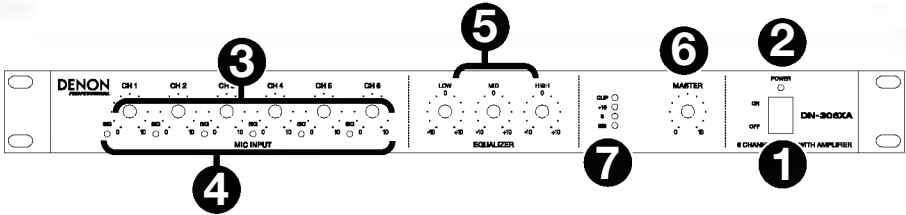
Safety & Warranty Manual

Support

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

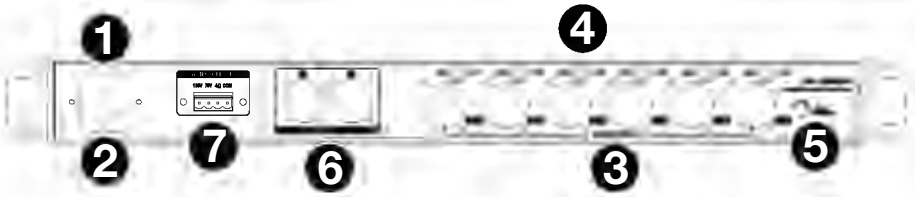
Features

Front Panel



1. **Power Switch:** Use this switch to power DN-306XA on or off.
2. **Power Light:** This light illuminates when DN-306XA is powered on.
3. **Mic In Level:** Turn these knobs to set the input level of the corresponding **mic/line inputs**.
4. **Signal (Sig) Lights:** Indicates that the channel's incoming audio signal is within an optimal range.
5. **EQ:** Turn these knobs to increase ("boost") or reduce ("cut") the amount of bass frequencies (**Low**), mid-range frequencies (**Mid**), and treble frequencies (**High**) of the main mix.
6. **Master Level:** Turn this knob to adjust the level of the Line Outs, Mono Out, and Rec Out.
7. **Level Meters:** These lights indicate the audio level of the Line Outs. The **Clip** light can light up occasionally, but if it happens too often, reduce the volume of the mix and/or individual channels.

Rear Panel



1. **AC Power Input:** Use the included power cable to connect this input to a power outlet.
2. **Fuse Cover:** If the fuse is broken, use a screwdriver or other tool to lift this tab, and replace the fuse with a fuse with the same rating. Using a fuse with an incorrect rating can damage the unit and/or fuse.
3. **Mic/Line Inputs:** Connect microphones or line-level devices to these inputs with XLR or 1/4" (6.35 mm) cables.
4. **Input Selector:** Use these switches to set what type of audio source is connected to each **mic/line input**: a microphone without phantom power (**Mic**), a microphone with +48V of phantom power (**Ph**), or a line-level device (**Line**).
Note: Most dynamic microphones do not require phantom power, while most condenser microphones do. Consult your microphone's documentation to find out whether it needs phantom power.
5. **Mic 1 Priority:** Turn this knob to set how loud the volume level of all other inputs will be when the Channel 1 **mic/line input** receives an incoming signal. When the knob is turned to the leftmost position, a signal received by the Channel 1 mic/line input will not affect the other input signals at all. Turning the knob from the leftmost position towards the right position will gradually have the Channel 1 mic/line input volume have priority over all other input signals. When the knob is turned to the rightmost position, a signal received by the Channel 1 mic/line input will mute all other input signals entirely.
6. **Line Out:** Use standard XLR cables to connect these outputs to your loudspeakers or amplifier system. Use the **Master Level** knob to control the level of these outputs.
7. **Amp Output:** These outputs send the main/master signal from DN-306XA to your external speakers. Connect these outputs to your speakers using a properly wired 4-pin Euroblock connector and speaker wire.

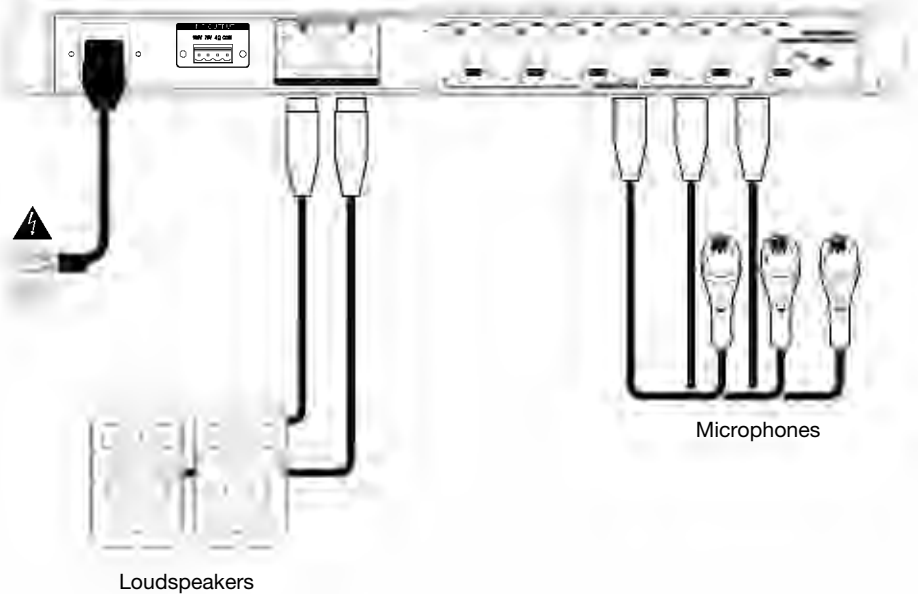
Setup

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

To set up DN-306XA with your sound system:

1. If you are using microphones or other audio sources that send a line-level signal, connect them to the **mic/line inputs** on the rear panel.
2. Use standard XLR cables to connect the **line outputs** on the rear panel to your loudspeakers, remote mixer, etc.
3. Use the included power cable to connect DN-306XA to a power outlet.
4. Power on all of your audio sources (Blu-ray players, stereos, microphones, etc.).
5. Power on DN-306XA.

Example



Appendix (English)

Technical Specifications

Power Requirement	Universal AC (100 – 240V, 50/60 Hz)
Power Consumption	<5W
Operating Temperature	5 C – 60 C
Operating Humidity	25 – 85% non-condensing
Frequency Response	20 Hz – 20 kHz, +/-1.0 dB
Signal to Noise	Over 94 dB
Number of Inputs	6 Combo XLR/TRS
Max Mic Input Level	-20 dBu
Mic Input Sensitivity	-40 dBu
Max Line Input Level	+24 dB
Max Output Level	+24 dB
Phantom Power	48V
Mic Input Impedance	1.4K Ω
Line Input Impedance	10K Ω
Maximum Voltage Gain	60 dB
Equalizer	High ± 15 dB @ 12 kHz Mid ± 12 dB @ 2.5 kHz Low ± 15 dB @ 80 kHz
Dimensions (with rack ears) (length x width x height)	17" x 11" x 1.75" 431.8 x 279.4 x 44.45 mm
Weight	11 lbs. 5 kg

Specifications are subject to change without notice.

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