

# DENON

***PROFESSIONAL***

# DN-306X

User Guide

English ( 2 – 5 )

Appendix

English ( 22 – 23 )



**(61) 3051-5800**

<https://loja.rhox.com.br>

## User Guide (English)

### Introduction

The DN-306X is an ultra-slim 1U rack-mounted 6-channel mixer with 6 mic/line combination inputs. It has balanced XLR outputs. The DN-306X 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. It can be powered from standard AC power source.

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

### Box Contents

DN-306X

Power Cable

User Guide

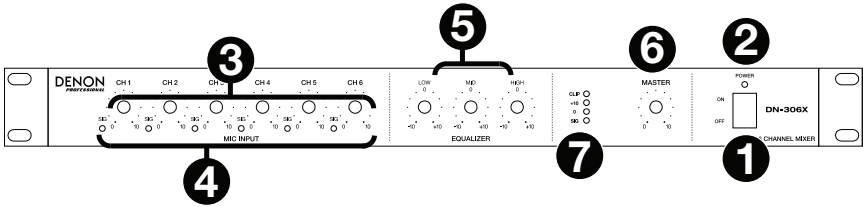
Safety & Warranty Manual

### Support

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

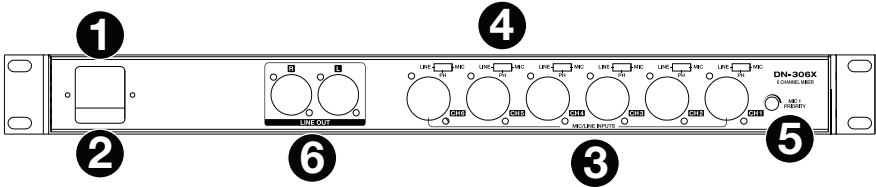
## Features

### Front Panel



1. **Power Switch:** Use this switch to power DN-306X on or off.
2. **Power Light:** This light illuminates when DN-306X 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



- AC Power Input:** Use the included power cable to connect this input to a power outlet.
- 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.
- Mic/Line Inputs:** Connect microphones or line-level devices to these inputs with XLR or 1/4" (6.35 mm) cables.
- 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.

- 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.
- 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.

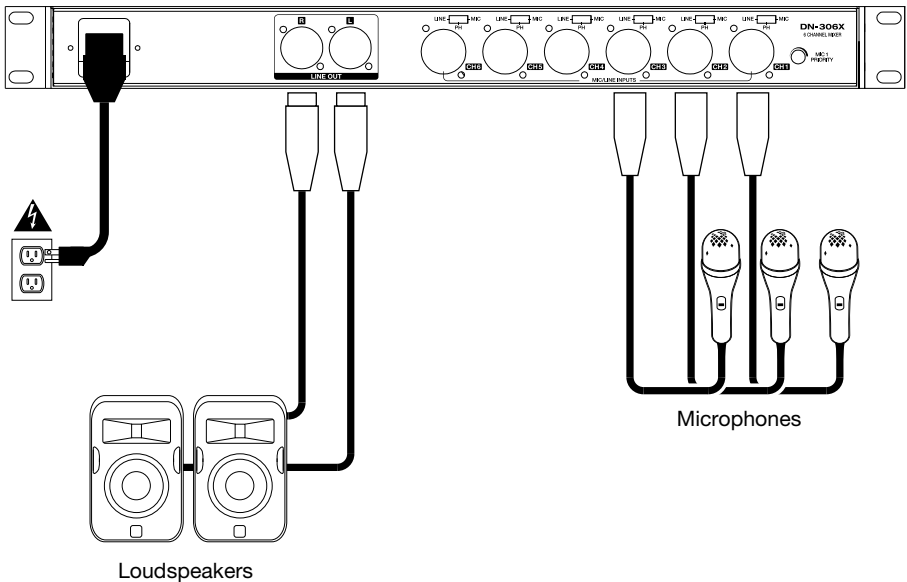
## Setup

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

### To set up DN-306X 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-306X to a power outlet.
4. Power on all of your audio sources (Blu-ray players, stereos, microphones, etc.).
5. Power on DN-306X.

### Example



## Appendix (English)

### Technical Specifications

|   |   |
|---|---|
| <b>Power Requirement</b>  | Universal AC (100 – 240V, 50/60 Hz)   |
| <b>Power Consumption</b>  | <5W   |
| <b>Operating Temperature</b>                                    | 5 C – 60 C  |
| <b>Operating Humidity</b>                                       | 25 – 85% non-condensing   |
| <b>Frequency Response</b>                                       | 20 Hz – 20 kHz, +/-1.0dB  |
| <b>Signal to Noise</b>  | Over 94 dB  |
| <b>Number of Inputs</b>   | 6 Combo XLR/TRS   |
| <b>Max Mic Input Level</b>                                      | -20 dBu   |
| <b>Mic Input Sensitivity</b>                                    | -40 dBu   |
| <b>Max Line Input Level</b>                                     | +24 dB  |
| <b>Max Output Level</b>   | +24 dB  |
| <b>Phantom Power</b>  | 48V   |
| <b>Mic Input Impedance</b>                                      | 1.4 K $\Omega$  |
| <b>Line Input Impedance</b>                                     | 10 K $\Omega$   |
| <b>Maximum Voltage Gain</b>                                     | 60 dB   |
| <b>Equalizer</b>  | <b>High</b> $\pm 15$ dB @ 12 kHz<br><b>Mid</b> $\pm 12$ dB @ 2.5 kHz<br><b>Low</b> $\pm 15$ dB @ 80 kHz |
| <b>Dimensions</b> (with rack ears)<br>(length x width x height) | 19" x 7.65" x 1.6"<br>482.6 x 194.3 x 40.6  |
| <b>Weight</b>   | 5.6 lbs.<br>2.5 kg  |

Specifications are subject to change without notice.

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