

DN-333XAB

3 Mic & 2 Stereo Line Mixer Amplifier With Bluetooth Audio Receiver



The Bluetooth®-enabled DN-333XAB forms the heart of a complete commercial audio system by mixing and amplifying wireless, microphone and line input sources. This rackmount mic/line mixer with integrated amplifier is ideal for the education, fitness, restaurant and hospitality markets. Perfect for driving in-ceiling or wall-mounted speaker systems, the DN-333XAB features 120 watts of built-in Class D amplification at ultra-low distortion for exceptional clarity. Dedicated mixing controls for three XLR+1/4-inch combination microphone inputs, two pairs of stereo line level RCA jack inputs, and a front-panel 1/8-inch (3.5mm) auxiliary input gives users the ability to create a seamless blend of audio from a plethora of source types. A front-panel Bluetooth pairing control with LED status indicator provides a fast and simple wireless connection to smartphones and tablets. A quick-responding limiter eliminates the negative audible effects of excessively high input signals from microphones or playback material.

The DN-333XAB output section offers detachable Euroblock 70V and 100V outputs with a 4-ohm transformer bypass output, as well as Chime, Alarm, and push-to-talk mic facilities. An RCA line-level send and return connector lets the installer integrate external audio processors, if desired. The compact 2RU unit fits neatly with other rack-mounted equipment for an integrated system appearance, or may sit on a shelf via the attached rubberized feet.

More than ever before, commercial installations require utmost flexibility without compromising sound quality or increasing complication. That's why we developed the DN-333XAB. It fuses comprehensive source mixing and simple, intuitive operation with professional amplification, in a compact and affordable package that works with virtually every mobile device imaginable.

Features

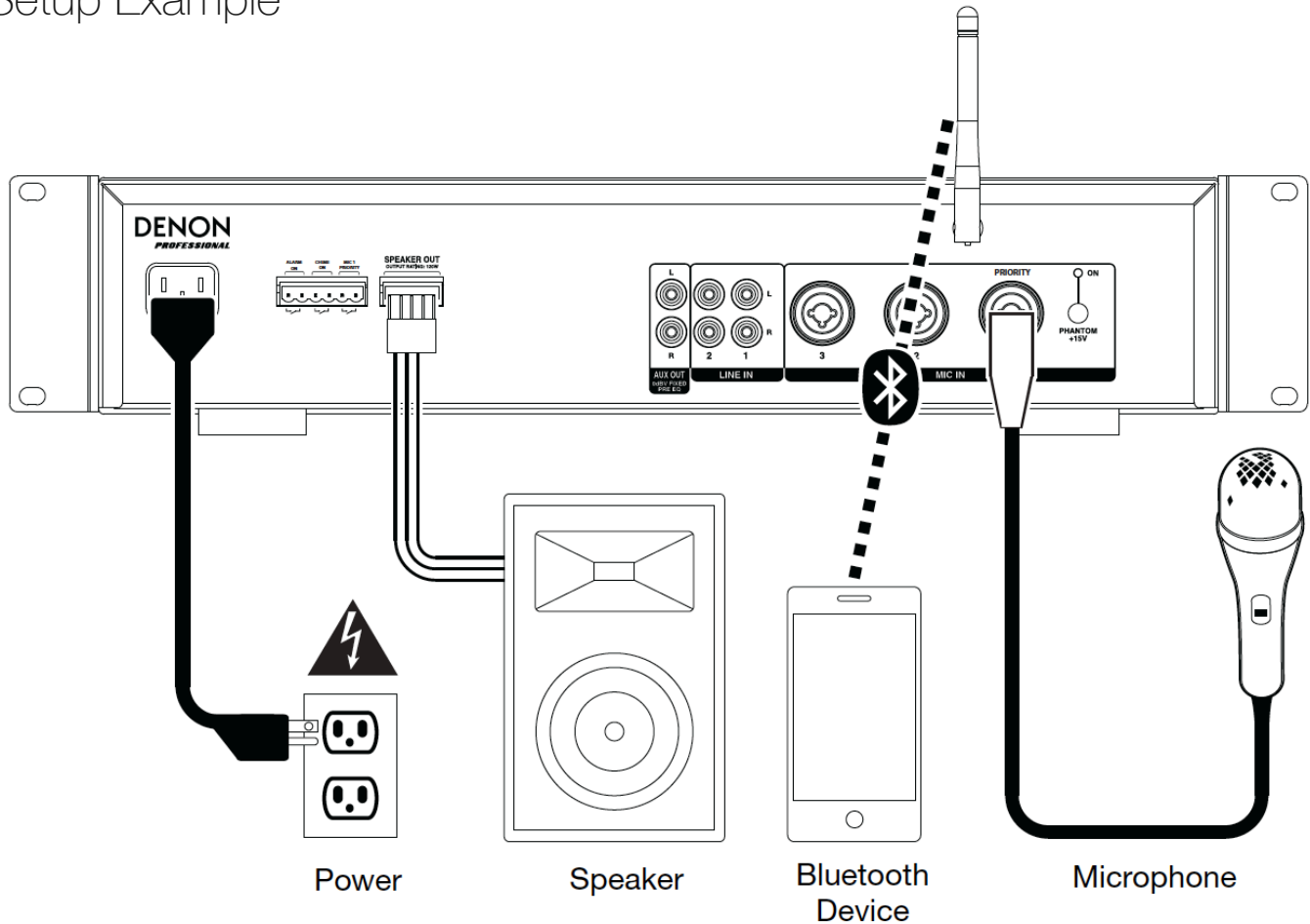
- Audio mixer with Bluetooth receiver and 120 Watt amplifier
- Accepts & mixes all common audio input types

- Independent volume controls for mic, line and Bluetooth inputs
- (3) XLR+1/4" combo mic inputs with selectable +15V phantom power
- (2) RCA line level stereo inputs; front panel 1/8" (3.5mm) Aux input
- Built-in limiter automatically prevents erratic audio sources from clipping
- Front panel Bluetooth pairing control with LED status indicator
- Master level control with system Bass and Treble adjustments
- Euroblock connections for Common, 4 Ohm transformer bypass, 70V, 100V, microphone PTT, Alarm and Chime outputs
- RCA line-level send-return connections
- Stereo RCA Aux outputs
- Space-saving 2RU design

Technical Specifications

Inputs	Mic In (3 XLR-TRS connectors), Line In (2 RCA connectors), Aux In (1/8" connector), Bluetooth 3.0 reception
Outputs	Aux Out (RCA connector), Speaker Output (Euroblock connector), Tone Output (Euroblock connector)
Frequency Response	Line: 60 Hz – 20 kHz (-3 dB) Mic: 120 Hz – 20 kHz (-3 dB)
S/N Ratio	>90dB
THD	<0.1%
Power Amplifier	120W (RMS) Class D
Aux Output Level	0 dBV
Speaker Euroblock Output	4 Ω , 70V Line, 100V Line
Bluetooth Specifications	Version: 3.0
	Supported Bluetooth Profiles: A2DP
	Maximum Transmission Power: Class 3, +4 dBm
	Transmission Frequency: 2.4 GHz
	Transmission Range: Up to 100 feet / 30.5 meters
	Receiver Sensitivity: < -70 dBm @ 0.1% BER
	Supported Profiles: A2DP
Power	Connection: Standard IEC (switching power supply) Input Voltage: 100-240V AC, 50/60Hz
Dimensions (width x depth x height)	19" x 8.25" x 3.75" 48.3 cm x 21 cm x 9.5 cm
Weight	12.85 lbs. 5.8 kg

Setup Example



User Summary & Target Markets

The primary target markets for Denon Professional's DN-333XAB are AV installers and specifiers seeking a full-featured line mixer amplifier with the added convenience of Bluetooth receiving capability. The DN-333XAB's built-in Class D amplification system rated at 120W RMS will appeal to this demographic requiring a rack-mountable or freestanding solution with the capability to drive ceiling or wall mounted speaker systems. Additionally, a wide ranging selection of input types (XLR, 1/4-inch, RCA and 1/8-inch) coupled with onboard mixing capability and priority selection for chime, alarm & push to talk mic facilities, provides this demographic with a full featured mixing and amplification solution suitable for a diverse range of usage scenarios.

Suitable applications include:

- Educational institutions – SEN, Primary, Secondary, HE, FE
- Fitness centres and Gyms
- Restaurants

- Hotels
- Hospitals
- Corporate Offices

USPs for Target Demographics

AV Installers and Specifiers

- Audio mixer with Bluetooth receiver and 120 Watt amplifier ideal for driving in-ceiling or wall-mounted speaker systems
- Dedicated Bluetooth receiver provides easy connectivity options for end-users with Front panel Bluetooth pairing control and LED status indicator
- Accepts & mixes all common audio input types
 - (3) XLR+1/4" combo mic inputs with selectable +15V phantom power
 - (2) RCA line level stereo inputs; front panel 1/8" (3.5mm) Aux input
- Independent volume controls for mic, line and Bluetooth inputs, easily accessible via the DN-333XAB's front panel
- Built-in limiter automatically prevents erratic audio sources from clipping
- Master level control with system Bass and Treble adjustments for fine-tuning sound output in line with room acoustics
- Euroblock connections for Common, 4 Ohm transformer bypass, 70V, 100V, microphone PTT, Alarm and Chime outputs provides flexibility in a wide range of differing usage scenarios
- RCA line-level send-return connections
- Stereo RCA Aux outputs
- Space-saving rack-mountable 2RU design with rubber feet for free-standing operation