



# Rack Mix 12

## 12 Channel Line Mixer with Priority

### Key Features:

- 6 HDHQ™ Combination inputs with MIC, Phantom and Line selector switches
- 6 mono (3 stereo) RCA Inputs
- Mic monitor ¼" output for private listening to all mic inputs
- Balanced XLR line outputs
- Mono ¼" line output can be used to feed audio to external recording device
- AC or 24V DC power inputs
- Mic 1 Priority Control
- Master and Individual level controls
- 1U rack mountable

### Overview:

The Rack Mix 12 is a 1U rack-mounted 12-channel mixer that can solve countless audio challenges. It features 6 mic/line combination inputs (HDHQ™ Denon-Marantz proprietary mic pre's) each with switchable phantom power and 6 additional line-level inputs. It has balanced XLR outputs, a ¼-inch (6.3mm) mono output that can be used to connect the Rack Mix 12 to a remote mixer, a pair of RCA stereo outputs to connect to a remote recording device, and ¼-inch (6.3mm) mic monitoring port that can be used to monitor the mics' signals. The Rack Mix 12 provides individual level control for all inputs in addition to level control for the mono output port and a master level control. Rounding off the feature set, it has a 3-level equalizer and a controlled priority for Mic/Line 1. It can be powered from standard AC or a 24V DC power source, inviting it to be used in a variety of applications; everything from a classroom to a tour bus.

### Specifications:

- Microphone Input - 6 Balanced XLR Connectors (Channels 1–6)
  - Frequency Response: 20 Hz - 22 kHz
  - THD+N: < 0.03% @ 1 kHz
  - Sensitivity: -40 dBu
  - Maximum Input: -19 dBu
  - Maximum Voltage Gain (Mic Input to Rec Out): 50 dB
  - Maximum Voltage Gain (Mic Input to Line Out, Mic Out & Mono Out): 60 dB
  - Signal-to-Noise Ratio: > 103 dB
  - Phantom Power: 18–21 V, switch control
- Line Inputs - 6 Balanced XLR Connectors (Channels 1–6)
  - Frequency Response: 20 Hz - 22 kHz
  - THD+N: < 0.03% @ 1 kHz
  - Sensitivity: 0 dBu
  - Maximum Input: +21 dBu
  - Maximum Voltage Gain (Mic Input to Rec Out): 10 dB
  - Maximum Voltage Gain (Mic Input to Line Out, Mic Out & Mono Out): 20 dB
  - Signal-to-Noise Ratio: > 103 dB
- Line Inputs - Stereo Balanced RCA Connectors (Channels 7/8-11/12)
  - Frequency Response: 20 Hz - 22 kHz
  - THD+N: < 0.03% @ 1 kHz
  - Sensitivity: +10 dBu
  - Maximum Input: +21 dBu
  - Maximum Voltage Gain (Line Input to Line Out): 10dB
  - Maximum Voltage Gain (Line Input to Rec Out): 0dB
  - Maximum Voltage Gain (Line Input to Mono Out): 4dB
  - Signal-to-Noise Ratio: > 103 dB
- Impedance
  - Mic/Line Input: 1.4 kΩ
  - Line Input: > 10 kΩ
  - All Outputs: 120 Ω
- Equalizer
  - High: +15 dB @ 12 kHz
  - Mid: +12 dB @ 2.5 kHz

- Low: +15 dB @ 80 Hz
- Crosstalk
  - Input to Output: < -82 dB @ 1 kHz
  - Adjacent Inputs (Channels 1–6): < -70 dB @ 1 kHz
  - Adjacent Inputs (Channels 7/8–11/12): < -68 dB @ 1 kHz
- Main Mix Output
  - Line Output: 0 dBu (+2 dBu), balanced
  - Mic Output, Mono Output: 0 dBu (+2 dBu), unbalanced
  - Maximum Output: +21 dBu balanced/unbalanced, 1/4" (6.35 mm) jacks
  - Noise (Bus): < -83 dB @ 20 Hz – 22 kHz
- General
  - Power connection: IEC
  - Input Voltage: 100V~, 110-120V~, 50/60Hz; 220-240V~, 50/60Hz or DC24V
  - Dimensions: (W x D x H): 19.0" x 7.7" x 1.7" (483 x 195 x 44 mm)
  - Weight: 6.4 lbs (2.9 kg)