



by HARMAN

EON210P

Portable Self-Powered 10" Two-Way system with detachable powered mixer

Professional Series

Applications:

- ▶ Live sound reinforcement, speech and vocals, music playback in entertainment, A/V, and institutional venues – especially when ease of use and portability are important factors.
- ▶ Amplification, mixing, and monitoring for electronic musical instruments.
- ▶ Everywhere you need to be heard.

Features:

- ▶ 300 watt High-Performance Powered Speaker System
- ▶ Ultra Light Weight and Extremely Compact weighing only (33 lbs)
- ▶ Ergonomic soft touch top grip for easy handling
- ▶ 10" low-frequency driver with neodymium magnet for low-distortion and light weight
- ▶ 1" throat diameter next generation JBL neodymium compression driver
- ▶ Efficient Crown® Class-D amplifier technology
- ▶ 100° H x 60° V asymmetrical wave guide for uniform audience coverage
- ▶ 8 channel powered mixer with intuitive interface
- ▶ On board digital multi-effects
- ▶ Integrated 36 mm pole mount socket with stabilizing securing screw
- ▶ Highly designed composite enclosures for durability, lightweight, and acoustic performance

The EON 210P is a self-contained, portable pa system featuring multiple input channels with individual tone controls, multiple digital effects and convenient output routing capabilities that allow the user to integrate the system into any number of audio environments. With its lightweight and ergonomic design the EON 210P is perfect for situations where ease and portability are just as important as quality and flexibility.

The EON210P consists of two 10-inch, two-way, powered loudspeakers, one with a detachable powered mixer and the other with a detachable storage compartment, one pair of unshielded speaker cables and a power cord. Capable of reproducing full bandwidth sound at high levels the 210P is comprised of a 250 mm (10 in) woofer, a 37.5 mm (1.5 in) neodymium high frequency compression driver coupled to a 100° H by 60° V waveguide driven by a 300 watt Crown® Class-D power amplifier and integrated mixer.

The attached mixer has 8 inputs: 4 mono inputs comprised of a "peak LED", a combination input connector, MIC/LINE selector, Treble and Bass controls, a Reverb send and a channel volume control. The 2 stereo inputs are where you will connect all of the microphones, musical instruments, external sound sources (like MP3 or CD players), headphones in addition to any recording devices or additional speakers like a personal monitor, subwoofer or "Front of House" feed. The stereo inputs labeled "STEREO IN 5/6" offer the option of using 1/4" phone plugs or RCA plugs and this channel has a volume control. The input labeled "STEREO IN 7/8" is a 3.5 mm stereo input of the type typically found on personal music players. All of the inputs will route to the speakers and to the MONITOR OUTPUT SECTION.

The system is also equipped with digital multi-effects designed to enhance instruments or vocals. There are four effects available on the EON 210P.



Specifications:

System	System Type:	Powered mixer with 2 two-way bass-reflex enclosures
	Maximum SPL Output:	124 dB peak system output (pink noise)
	Frequency Range (-10 dB):	60 Hz - 20 kHz
	Frequency Response (±3 dB):	75 Hz - 19 kHz
	AC input :	120 - 240 V 50/60 Hz, voltage selector switch sets operational range

Amplification

	Amplifier Design:	Crown® Class D
	System Power Rating:	300 Watts (2 x 150 W Stereo)
	Output Connector:	2 x 1/4" TS (unbalanced) amplifier outputs

Mixer

	Input Connectors:	8 inputs (4 Mono Mic/Line, 2 x Stereo)
	Channels	1-4 are XLR / 1/4" jack combo connectors, XLR is a mic level input, 1/4" is a line level input. 5-6, one pair of 1/4" balanced TRS jacks (stereo), and a pair of RCA jacks (stereo). 7-8 is a 3.5 mm stereo jack
	Input Impedance:	Ch 1-4 Combo: XLR 3 K Ohms Balanced Ch 1-4 Combo: TRS 20 K Ohms Balanced Ch 5-6: TRS 25 K Ohms Balanced Ch 5-6: RCA 12 K Ohms Unbalanced Ch 7-8: 3.5 mm 30 K Ohms Unbalanced
	Phantom Power:	30 V
	Output Connectors:	Monitor outputs: one pair of 1/4" balanced TRS jacks (stereo), and a pair of RCA jacks (stereo) Headphone output: one 3.5 mm stereo jack
	Signal Indicators:	Limit: Red LED indicates limiter active condition Signal: Green LED indicates signal present
	Signal Indicators: Ch 1-4	Peak LED: Green = signal present, Red = input overload
	EQ:	Individual channel Bass and Treble controls, center detent, +/-6 dB cut and boost
	System Limiter:	On Board DSP Limiting and Tuning

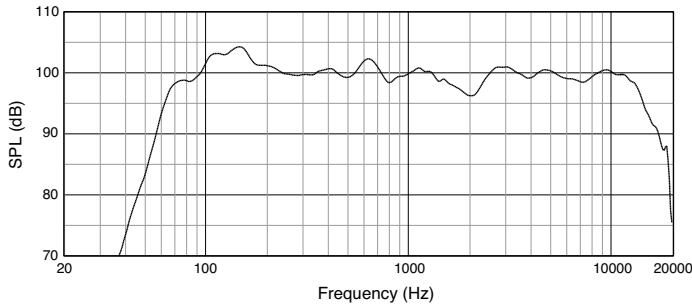
Speaker

	LF Driver:	1 x JBL 328H 250 mm (10 in) woofer
	HF Driver:	1 x JBL 2414H-1 37.5 mm (1.5") annular polymer diaphragm, neodymium compression driver
	Coverage Pattern:	100° x 60° nominal
	Crossover Frequency:	2 kHz
	Crossover Type:	Passive network, 2nd order filters (-12 dB per octave) for high pass and low pass filters
	Enclosure:	Polypropylene
	Suspension/ Mounting:	36 mm pole socket with stabilizing screw
	Handles:	One on top
	Grille:	Powder coated perforated steel
	Shipping Package (H x W x D):	21.5" x 26" x 13.75" (546 mm x 660 mm x 349 mm)
	Net Weight of System:	33 lbs. (19 lbs. for unit with powered mixer, 14 lbs. for unit with storage pod)

JBL continually engages in research related to product improvement. Some materials, production methods and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL product may differ in some respect from its published description, but will always equal or exceed the original design specifications unless otherwise stated.

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On Axis Frequency Response



Input Panel

