

300
SERIES

EON305
EON315

JBL



EON[®]

THE NEXT GENERATION

THE ULTIMATE PA FOR EVERYONE EVERYWHERE

EON changed the way people looked at portable PA well over ten years ago as the all-purpose solution for instant sound reinforcement no matter where you are. And now, EON300 series speakers puts the next generation of EON systems within reach of an even broader range of users, delivering the fundamental elements that make a speaker system an EON at an even more affordable price.



Iris Camaa with the AKG Elle C Vocal Microphone

POWERED OR PASSIVE

Powered EON315

For total system integration, the EON315 is self-powered with the latest Class-D amplifier technology. Delivering a continuous 280 watts, the amp is incredibly efficient, extremely light-weight and very compact. A combo XLR/1/4" connector provides input flexibility and a selectable 'mic' setting means you can connect a dynamic microphone directly to the system for quick on-the-fly PA applications. Pre-engineered selectable system EQ is provided to assist in optimizing the system to the application and a simple XLR output enables the addition of more EONs for scalable performance.



Music playback
in entertainment



Amplification
Mixing, and
Monitoring
for electronic
musical instruments

Passive EON305

Designed for system flexibility, the EON305 offers all the physical attributes and JBL component technology as the EON315, but less the internal power. This is the EON for powered mixer systems or upgrades to existing amp and speaker systems. The input panel features dual Speakon®/1/4" connectors for maximum flexibility and system expansion. JBL's SonicGuard™ has been built into the network protecting the high frequency driver from excessive power without interrupting the performance. Only premium grade components are utilized in the advanced network design for an ultra coherent summation in the crossover region.

ENGINEERED PERFORMANCE

EON300 series loudspeakers are the result of ground-up design and engineering integration of all the necessary components needed for a portable system. All electro-acoustic components have been specifically designed to work together in a highly optimized manner not only increasing performance levels but also reliability. The efficiencies of design have also reached the construction of the systems making them more robust than ever.

Through cutting edge mechanical design and expertise in materials the EON300 series loudspeakers are not only as compact as they possibly can be but are significantly less weight than competitive models, the fundamental key to high performance portability.

Low Frequency

EON's 15" woofer is the product of years of design refinement resulting in greater power handling and a smoother response than ever before. Featuring a 2.5" diameter edge-wound voice coil, it offers efficiency and incredibly low distortion for clean accurate lows.



High Frequency

The latest generation of JBL HF compression drivers is used to deliver crystal clear highs. The ferro-fluid cooled driver features a 1" exit and is coupled to 100° H x 60° V waveguide for broad, consistent coverage over the entire audience area. The constant beamwidth and power response is a perfect match to the woofer resulting in a smooth and even response everywhere.

Proven Reliability

JBL utilized over 60 years of experience designing world-class speakers to create the new EON series. All of our products must endure our world-famous 100 hour torture test to ensure years of reliable service. Built-in active and passive protection in both models protect the components on the inside while the extremely rugged composite shell and full metal grille, with a protective backing, stand up to the rigors of road abuse.

Horizontal Coverage

Vertical Coverage



PORTABILITY

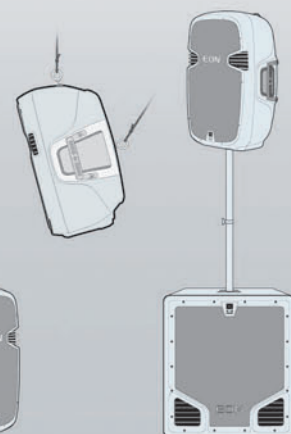
EON has been designed to move whether from the back of your car to the gig or from storage to the stage. Through intense mechanical modeling and real life testing, handle locations have been highly fine tuned to balance points ensuring maximum comfort when carried. All access weight has been engineered out of the design resulting in an extremely lightweight system, the key to portability.

Three full size handles and a fourth grip point provide the carrying flexibility required of a highly portable speaker system, whether sliding it onto the back seat of a car or lifting it up to place on a stand.



VERSATILITY

EON is the definition of a do-it-all loudspeaker system, the EON300 series is no exception. With flexible connectivity and enclosures that can be used as a main speaker or a low profile monitor it fits all applications. A standard pole mount socket with stabilizing screw and built-in non-slip rubber feet allow both secure stand mounting and free standing configurations. Integrated standard M10 suspension points make installation of the systems incredibly easy without the need for additional brackets.



Floor Monitor

Floor Standing

Suspended

Pole Mount

STANDARD MODELS

DESCRIPTION

SPECIFICATION

EON305



System Type	15", two-way, bass-reflex design
Frequency Range (-10 dB)	38 Hz - 20 kHz
Coverage Pattern	100° H x 60° V nominal
Crossover Frequency	1.9 kHz
System Power Rating	250 W continuous, 500 W program, 1000 W peak
LF Driver	1 x M115-8 380 mm (15 in) woofer
HF Driver	1 x JBL 2414H-1 25.4 mm (1 in) polymer diaphragm neodymium compression driver
Sensitivity (1w/1m)	98 dB
Maximum SPL	128 dB
Input Connector	Parallel Neutrik® NL4 /1/4" combo connectors
HF Protection	SonicGuard™ Circuit
Suspension/Mounting	36 mm pole socket with stabilizing screw, 4 x M10 suspension points 1 x M10 pull-back point.
Dimensions(H x W x D)	685 mm x 438 mm x 366 mm (27 in x 17.3 in x 14.4 in)
Net Weight	15 kg (33 lb)

EON315



System Type	Self-powered 15", two-way, bass-reflex design
Frequency Range (-10 dB)	38 Hz - 20 kHz (EQ in 'Flat' position)
Coverage Pattern	100° H x 60° V nominal
Crossover Frequency	1.8 kHz
System Power Rating	280 W continuous, 560 W peak
Maximum SPL	127 dB
Boost EQ	LF +3 dB Shelving Filter @ 150 Hz HF +2.5 dB Shelving Filter @ 4 kHz
LF Driver	1 x M115-2 380 mm (15 in)
HF Driver	1 x JBL 2414H-1 25.4 mm (1 in) polymer diaphragm, neodymium compression driver
Input connector	Balanced XLR / 1/4 inch TRS combo jack
Output connector	Balanced male XLR, +20 dBu (peak) o/p level
Suspension / Mounting	36 mm pole socket with stabilizing screw, 4 x M10 suspension points, 1 x M10 pull-back point.
AC input	120 - 240 V, 50/60 Hz
Dimensions (H x W x D)	685 mm x 438 mm x 366 mm (27 in x 17.3 in x 14.4 in)
Net Weight	15.9 kg (35 lb)

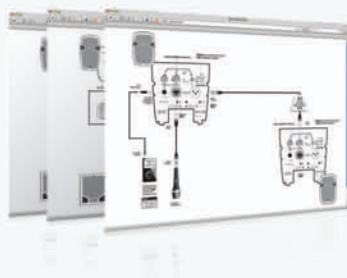
Also Available
EON500 SERIES



EON515

EON510

EON518S



APPLICATION EXAMPLES

- Small PA using external mixer
- PA using Powered Mixer and Subwoofers
- Daisy Chaining a PA

More application examples available at www.jblpro.com