

500
SERIES

EON510
EON515
EON518S



EON[®]

THE NEXT GENERATION

THE MOST POWERFUL EON EVER

For the past 14 years JBL has led the portable PA market with EON, the best selling powered speaker in professional audio history. Now a new generation emerges to continue the class-leading traditions of design, performance, and quality. Introducing EON, The Next Generation.

Featuring three models, the EON500 series delivers more power, portability, and versatility than any other speaker in its class, raising the bar dramatically for advanced powered loudspeaker systems, while retaining that signature JBL sound.



450 Watts
under 33 lbs

PERFORMANCE REFINED

The EON515 offers the highest power-to-weight ratio of anything in its class with 450 Watts of performance driving power at a feathery 32.5 pounds. For an even more compact package, the EON510 delivers with 280 Watts of power in a gravity-defying 17 pound package. Power has never been more portable. Extend the low frequency performance of all EON systems with the EON518S. This subwoofer features an 18" JBL Differential Drive® low frequency driver with a massive 500 Watts of power in a compact package that is nearly half the weight of the competition.



PROVEN RELIABILITY

JBL has drawn from over 60 years of world-class speaker design to develop the latest durable lightweight technologies. In addition to the legendary performance of JBL transducers, the new EON series incorporates special limiter circuitry that will protect the electronic components when driven hard, rigorously tested by the world-famous 100-hour torture test. Covered by a full metal grille with protective backing fitted to a robust composite shell, you can assure EON will stand up to the rigors of road abuse and deliver the performance you need. Every time.

POWERED

High Quality Drivers

Tour sound DNA comes directly from industry-leading VERTEC® systems in the form of JBL's exclusive Differential Drive® technology, to ensure EON has more power and less weight. These patented low-frequency drivers use neodymium magnets and dual voice coils to perform better than conventional designs with less distortion and at a fraction of the weight. JBL's next generation neodymium compression drivers deliver stunningly accurate high frequencies through a new 1" exit design.

Powered by  **CROWN**

JBL and Crown® collaboration results in designs of unmatched integration and efficiency. At the heart of the 515's massive output is a Crown Class-D amplifier that delivers high volume, low distortion and continuous performance with superb headroom and power to spare.



Built-in Mixers

The innovative built-in 3 channel mixer all but eliminates the need for additional mixing components and is one of the keys to the EON's unmatched popularity. The 500 series simple, effective and professional plug-and-play architecture appeals to any artist that has to set up quickly and deliver professional sound in a hurry. Line level and direct microphone input capability, preset EQ settings for vocals, instruments and speech, plus a clever mix/loop function for adding additional EONs or sending submixes, ensure the 500 series delivers unmatched simplicity coupled with plenty of expansion capability.

Coverage

JBL is constantly advancing waveguide technology to ensure that consistent, balanced sound reaches all of your audience clearly and intelligibly. The Next Generation EON features a new 100° H x 60° V asymmetrical design guaranteeing an exceptionally wide coverage pattern and lower distortion.

Horizontal Coverage

Vertical Coverage



PORTABILITY

EON is synonymous with portability: One person can easily lift, load, and mount an EON system virtually anywhere. Deep-welled, full-size handles feature ergonomically designed grip points, while balanced weight distribution and composite enclosures make EON truly one of the lightest and easiest sound reinforcement systems to transport and setup.

Live Sound reinforcement,
speech and vocals

Music playback in entertainment

Amplification, mixing, and monitoring
for electronic musical instruments

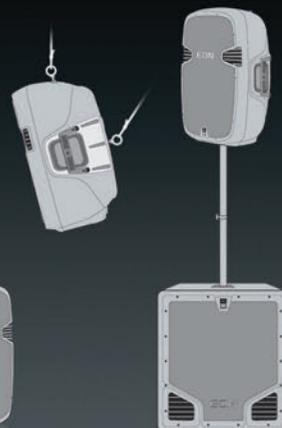
AV applications

Everywhere you need to be heard

Photo: AKG Artist: Christina Stürmer

VERSATILE Everywhere you need great sound

EON's flexible mounting capability, awesome power and extreme light weight set the new standard as the performance do-it-all system for gigging musicians, touring bands and mobile DJ's. Main or monitor, pole or stand mounted, and even flown, EON is right at home regardless of the venue or application. Audience expectations are high, and EON delivers.



Floor Monitor

Floor Standing

Suspended

Pole Mount



STANDARD MODELS

DESCRIPTION

SPECIFICATION

EON510



System Type	Self-powered 10", two-way, bass-reflex design
Frequency Range (-10 dB)	58 Hz - 18.5 kHz (EQ in 'Flat' position)
Coverage Pattern	100° H x 60° V nominal
Crossover Frequency	1.6 kHz
System Power Rating	280 W continuous, 560 W peak
LF Driver	1 x JBL 261F 254 mm (10 in) Differential Drive® integrated woofer with dual 1.5" voice coils
HF Driver	1 x JBL 2414H-1 25.4 mm (1in) neodymium compression driver
Maximum SPL	121 dB
System EQ	Boost: LF +3 dB Shelving Filter @ 150 Hz / HF +2.5 dB Shelving Filter @ 4 kHz Cut: Preset high pass @ 120 Hz
Input 3 Connector	Balanced XLR / 1/4 inch TRS combo jack
Input 1 & 2 Connector	1/4 inch TRS jack
Output (Loop/Mix Switch)	Balanced male XLR, +20 dBu (peak) o/p level in MIX position
Suspension/Mounting	36 mm pole socket with stabilizing screw, 3 x M10 suspension points, 1 x M10 pull-back point
AC Input	120 - 240 V, 50/60 Hz
Dimensions	490 mm x 315 mm x 262 mm (19.3 in x 12.4 in x 10.3 in)
Net Weight	7.7 kg (17 lb)

EON515



System Type	Self-powered 15", two-way, bass-reflex design
Frequency Range (-10 dB)	39 Hz -20 kHz (EQ in 'Flat' position)
Coverage Pattern	100° H x 60° V nominal
Crossover Frequency	2.2 kHz
System Power Rating	450 W continuous, 900 W peak
Maximum SPL	129 dB
System EQ	Boost: LF +3 dB Shelving Filter @ 200 Hz / HF +2.5 dB Shelving Filter @ 4 kHz Cut: High Pass Filter @ 120 Hz
LF Driver	1 x JBL 265F-1 380 mm (15 in) Differential Drive® integrated woofer with dual 2" voice coils
HF Driver	1 x JBL 2414H 25.4 mm (1 in) neodymium compression driver
Input 3 connector	Balanced XLR / 1/4 inch combo jack with XLR loop through
Input 1 & 2 connectors	Balanced XLR / 1/4 inch TRS jack
Output (Loop/Mix switch)	Balanced male XLR, +20 dBu (peak) o/p level in MIX position
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 (27.0 in x 17.3 in x 14.4 in)
Net Weight	14.8 kg (32.5 lb)

EON518S



System Type	Self-powered 18", bass-reflex design
Frequency Range (-10) dB	36 Hz -130 Hz
Crossover Frequency	120 Hz (HPF selectable on outputs)
System Power Rating	500 W continuous, 1000 W peak
Maximum SPL	129 dB
LF Driver	1 x JBL 268G 460 mm (18") Differential Drive® integrated woofer with dual voice coils, 4 ohm impedance
Enclosure	18 mm plywood
Suspension / Mounting	36 mm pole socket on top
Finish	DuraFlex™ finish
Grille	Powder coated perforated steel with acoustically transparent black screen backing.
Input Connectors	Balanced XLRs with loop through (stereo) to balanced XLR satellite outputs. 1/4 inch speaker level input.
AC input	120 - 230 V, 50/60 Hz
Dimensions (H x W x D)	595 mm x 569 mm x 652 mm (23.4 in x 22.4 in x 25.7 in)
Net Weight	29.5 kg (65 lb)

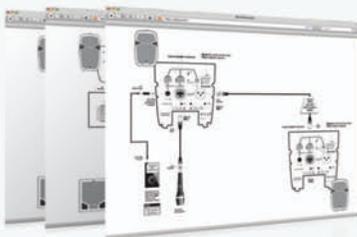


EON305 Passive Model

Also Available EON300 SERIES



EON315 Powered Model



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

