

HARMAN

P R O F E S S I O N A L

2012 Full-Line Catalog



 **HiQnet®**

AKG®



dbx®



lexicon®

Soundcraft

STUDER

Introduction: *Corporate Overview*



Playback the last 60 years of music and motion picture recording and one name stands alone: JBL. Before THX and Dolby, before stereo and even hi-fi, there was JBL. Today, JBL's well-earned reputation has placed its speakers in all types of professional institutions, including legendary recording studios, famous concert venues and premier movie houses. Throughout those 60 years of technical breakthroughs, award winning designs and continuing innovations the facts still remain: JBL loudspeakers continue to be the one benchmark for quality, the singular reference for accuracy in the playback of recorded sounds; the leader, the innovator, the authority.



Drawing from a heritage of over 30 years in mixing console design and manufacture, Soundcraft has developed a unique insight into professional audio requirements. From live sound to recording and broadcast, Soundcraft mixing consoles are built to perform and are responsible for delivering thousands of events day after day all around the world. With professional features, intuitive operation and uncompromised sound quality, Soundcraft has built a global reputation for delivering optimum performance every time.



BSS Audio has amassed an international reputation for providing reliable equipment that addresses the real needs of musicians. BSS's name can also be found in recording studios and in broadcast studio output. Their products, either live sound systems or fixed installations, are thoroughly researched and tested. The results are powerful, ergonomically packaged equipment. The complete reliability gained through the excellent design and quality assurance is why top performing artists and theatres throughout the world regularly choose BSS Audio systems.



For over 60 years, the Studer name has been synonymous in the world of professional audio with innovation, elegant design and unsurpassed excellence in engineering. Today, Studer is acknowledged as the leader in Digital Mixer Technology and offers the widest range of digital broadcast consoles and system components available from any manufacturer.



AKG's remarkable microphones and headphones are a synthesis of leading-edge industrial design, innovative electronics and world-class acoustics. AKG is also a technological powerhouse with over 1,500 international patent applications and the largest, best-equipped research and development facilities in the world. For over 60 years, AKG has used its considerable expertise and know-how to develop products that serve markets as diverse as music, recording and broadcast to permanent installation. For its many customers, "it all comes back to the sound" and as long as good sound and long, useful product life are important, they will keep coming back to AKG.



Intelligent Power. Unleashed. For 60 years, Crown has designed and manufactured professional power amplifiers, microphones and computer-controlled audio components and software with pride and innovation. Crown products are developed for a wide range of uses, from mobile PA systems for musicians and DJs to large installations in stadiums and arenas. Incorporating the best of proven technologies and state-of-the-art advances, including the latest in integrated, network-controlled audio, Crown continues to be the intelligent choice for professional audio.



What makes dbx the most well-respected dynamics processing company? Besides years of leadership and expertise in the processing field, we have combined our detection and summing methods, known as True RMS Level Detection and True RMS Power Summing, to be "true" to the sounds that are heard by the human ear. dbx has patented integrated circuit designs that can detect and then process natural sounds over a broad range of signals. Wouldn't all musicians want their voices to be heard at their best?



Harman Pro's HiQnet® finally enables system components to reach beyond themselves. From microphone to speaker, the whole is at last greater than the sum of the parts. With a single software application at its heart, HiQnet® is complex enough to handle system-wide configuration, routing, and control, flexible enough to traverse any cable, and intelligent enough to be truly plug 'n' play. Now we all speak one language. With HiQnet® it simply is as simple as connect, configure and control.



Lexicon measures its success by the simple fact that they are the world-wide choice in digital processing by engineers, producers and performers. Their uncompromised integrity has proven to be extremely successful over the years. History was made when our Reverb line was introduced at the 1978 AES Convention. It was considered the first commercially viable digital reverb system. Lexicon's innovations haven't stopped since. We continue to forge strategic partnerships that will ensure that our systems are always compatible with our customers' needs.

Introduction: *Contact Information*



HiQnet

8760 South Sandy Parkway, Sandy, Utah 84070, USA, Tel: (801) 566-8800, Fax: (801) 568-7662

For other products and distributors worldwide see our website: hiqnet.harmanpro.com

hiqnet.harmanpro.com



AKG Acoustics

AKG Acoustics GmbH

Lemböckgasse 21-25, A-1230 Vienna/AUSTRIA, Tel: (+43 1) 86 654-0,* www.akg.com, e-mail: sales@akg.com, Hotline: (+43 676) 83200 888, hotline@akg.com

AKG Acoustics, U.S.

8400 Balboa Boulevard, Northridge, CA 91329, U.S.A., Tel: (+1 818) 920-3212, e-mail: akgusa@harman.com

For other products and distributors worldwide see our website: www.akg.com

www.akg.com



BSS Audio

8760 South Sandy Parkway, Sandy, Utah 84070, USA, Tel: (801) 566-8800, Fax: (801) 568-7662

For other products and distributors worldwide see our website: www.bssaudio.com

www.bssaudio.com



Crown Audio, Inc.

1718 W. Mishawaka Road, Elkhart, IN 46517, USA, Tel: (574) 294-8000, www.crownaudio.com

For other products and distributors worldwide, see our website: www.crownaudio.com

www.crownaudio.com



dbx Professional Products

8760 South Sandy Parkway, Sandy, Utah 84070, USA, Tel: (801) 566-8800, Fax: (801) 830-7662

International Fax: (801) 568-7583, web: www.dbxpro.com, www.driverack.com, email: customer@dbxpro.com

For other products and distributors worldwide see our website: www.dbxpro.com

www.dbxpro.com



JBL Professional

8500 Balboa Blvd, Northridge, CA 91329, USA

Tel: (818) 894-8850, Domestic Sales Fax: (818) 830-7801, International Sales Fax: (818) 830-7801,

Customer Service Fax: (818) 830-7881, web: www.jblpro.com

For other products and distributors worldwide see our website: www.jblpro.com

www.jblpro.com



Lexicon

8760 South Sandy Parkway, Sandy, UT 84070, USA, Tel: (801) 566-8800, Fax: (801) 568-7662, web: www.lexicon.com

For other products and distributors worldwide see our website: www.lexiconpro.com

www.lexiconpro.com



Soundcraft

Cranborne House, Cranborne Road, Potters Bar, Herts EN6 3JN UK

Tel: +44 (0) 1707 665000, Fax: +44 (0) 1707 660742, e-mail: info@soundcraft.com

For other products and distributors worldwide see our website: www.soundcraft.com

www.soundcraft.com



Studer Professional Audio GmbH

Althardstrasse 30, CH-8105 Regensdorf-Zurich Switzerland, Tel: +41 44 870 75 11, Fax: +41 870 71 34, e-mail: info@studer.ch

For other products and distributors worldwide see our website: www.studer.ch

www.studer.ch

JBL Professional



JBL is the largest brand within Harman. JBL's home base is part of the Harman International Business Campus, located in Northridge in the San Fernando Valley of Los Angeles. The 44 acre site comprises the offices of JBL Professional, along with Harman Corporate Engineering activities and other corporate functions.

JBL Professional's transducer design and manufacturing processes including machining, diaphragm forming, wire milling, voice coil winding, finishing, assembly and testing are all carried out by dedicated, quality-oriented personnel.

JBL Professional loudspeaker enclosures are constructed from components produced in JBL's extensive wood mill. Automated equipment is used extensively for uniformity and efficiency. Innovative techniques in enclosure materials, construction and assembly methods are employed.

JBL Professional has the most rigorous standards for system power rating in the professional loudspeaker industry. Power testing of transducers is an ongoing activity at JBL Professional. Samples from all production lots are tested at full rated power to industry standards to ensure that they meet the rigid performance specifications set for them. This is the professional customer's assurance that JBL loudspeakers will continue to perform as expected in the most rigorous professional applications.



THE JBL STORY: 60 YEARS OF AUDIO INNOVATION

Celebrating sixty years of success in the speaker industry, this book offers details on the people and products that have made JBL famous. It features full-color photos, historical advertisements, and hundreds of diagrams and images, many taken right from JBL's archives. Topics include stories behind the development of innovative applications for consumer products, as well as systems installations for stadiums, tour sound, movie theaters, recording studios, and places of worship. In addition to the technical info that explains the innovation, this book covers the brilliant engineers, and colorful record producers, musicians and technicians who had the vision to pursue a "better way." Available at bookstores and on line.

Portable Products

Harman Pro Group | 2012

Section:

06



EON. PRX Series. JRX Series. MRX Series. SRX Series. VRX Series.

With nearly one million EON's shipped and millions more passive and powered speakers delivered worldwide, JBL sets the standards for audio quality, ergonomics and reliability in portable PA. From the cost effectiveness of the JRX line, the simplicity of EON, to the groundbreaking line-array designs of the VRX, JBL's commitment to performance, value and experience are in full force when it comes to portable audio.

From Concerts to Clubs

Our passive system solutions like JRX, MRX, SRX and VRX incorporate the cabinet and driver technology developed specifically for Tour Sound, Cinema and Installed Sound markets. VRX900 and SRX700 Series speakers deliver the power and performance you should expect from the highest quality, professional speaker systems. JBL's patented Differential Drive® speaker technology has reduced speaker weight dramatically while still maintaining the highest level of performance available from a portable PA speaker. And taking the lead from VRX900 and SRX700 Series speakers, MRX500 delivers extraordinary sound quality, power handling and performance at an affordable price.

The Whole is Greater Than the Sum of the Parts

Our powered systems incorporate not only the proprietary JBL driver technologies, but integrate signal processing and amplifier technology from sister companies dbx® and Crown®. PRX600 Series offer stellar performance, tremendous utility and exceptional value in a light-weight, rugged package. VRX powered technology is commonly used in demanding situations where high-output and sonic integrity are critical factors in an audio system. And EON Series is the undisputed leader in portable, light-weight plastic enclosures. With the advent of our new EON210P package PA, JBL moves into a new class of product that brings professional features and performance to the general public in a form factor that is simple to use and easy to handle.

JBL means "Portable Performance."

EON®**The Next Generation**

For the past 16 years JBL has led the portable PA market with EON, the best selling powered speaker in professional audio history. Since 2008 this new generation continues the class-leading traditions of design, performance, and quality. Featuring three models in the EON500 series and two models in the EON300 series, EON 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 EON® sound.

Versatility

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, entertainers, presenters, touring bands and mobile DJ's. Main or monitor, pole or stand mounted, and even suspended, EON is right at home regardless of the venue or application. Audience expectations are high, and EON delivers.

Performance Refined

EON offers the highest power-to-weight ratio of anything in its class. 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.

High Quality Drivers

JBL's exclusive Differential Drive® technology ensures 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 515XT'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 on the EON515XT all but eliminates the need for an outboard mixer and is one of the keys to the EON's unmatched popularity. The professional plug-and-play architecture appeals to any artist that has to set up quickly and deliver professional sound. Line level and direct microphone input capability, user selectable EQ, plus a clever mix/loop function for adding additional EONs or sending sub-mixes, ensure EON delivers unmatched simplicity 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 full-range cabinets feature a new 100° H x 60° V asymmetrical design guaranteeing an exceptionally wide coverage pattern and lower distortion.



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.

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.

EON® 500 Series

key features

- LIGHT WEIGHT FOR TRUE PORTABILITY
- COMFORTABLE GRIPS FOR EASY TRANSPORT
- BUILT-IN 3-CHANNEL MIXER (EON 510 & 515)
- DIFFERENTIAL DRIVE® LOW FREQUENCY TRANSDUCERS
- EFFICIENT CLASS-D DIGITAL AMPLIFIER TECHNOLOGY



EON515XT



EON510



EON518S

EON515XT

The **EON515XT** was engineered for durability, high performance and ease of use. We've extended the reach of the current EON technology by improving input sensitivity, lowering the noise floor, adding user selectable EQ control and re-voicing the system for peak performance and enhanced audio precision. The sturdy construction and superior ergonomic design will guarantee a lifetime of reliability and simplicity. Put it all together and the EON515XT is the toughest, smartest and most impressive EON ever.

EON510

The **EON510** is a 10-inch, two-way, powered, portable speaker system. Capable of reproducing full bandwidth sound at high levels it offers the additional utility of a 3 channel built-in mixer. The EON510 is comprised of a 254 mm (10 in) Differential Drive® woofer, a 25.4 mm (1 in) neodymium high frequency compression driver coupled to a 100° H by 60° V waveguide. Both components are driven by the discrete channels of a 280 watt Class-D integrated power amplifier. The input section contains all crossover functions, protection, and mixer functionality.

EON518S

The **EON518S** is an 18-inch, direct radiating, high performance powered compact subwoofer system designed to extend low frequency performance of any EON system. It also offers the convenience of an integrated crossover and stereo loop-thru capability. The EON518S is comprised of a 460 mm (18") Differential Drive® woofer driven by a 500 watt Class-D digital amplifier.

specifications

| | EON510 | EON515XT | EON518S |
|-------------------------|--|--|--|
| SYSTEM TYPE | Self-powered 10", two-way, bass-reflex design | Self-powered 15", two-way, bass-reflex design | Self-powered 18", bass-reflex design |
| FREQUENCY RANGE (-10dB) | 58 Hz - 18.5 kHz (EQ in 'Flat' position) | 39 Hz - 20 kHz | 36 Hz - 130 Hz |
| COVERAGE PATTERN | 100° H x 60° V nominal | 100° H x 60° V nominal | 120 Hz (HPF selectable on outputs) |
| CROSSOVER FREQUENCY | 1.6 kHz | 1.7 kHz | |
| SENSITIVITY | | | |
| MAXIMUM SPL | 121 dB | 132 dB | 129 dB |
| SYSTEM POWER RATING | 280 W continuous, 560 W peak | Crown Class-D 625 Watts (525 + 100) | 500 W continuous, 1000 W peak |
| TRANSDUCERS: LF | 1 x JBL 261F 254 mm (10 in) | 1 x JBL 265F-1 380 mm (15 in) | 1 x JBL 268G 460 mm (18") (4 ohm) |
| HF | 1 x JBL 2414H-1 25.4 mm (1 in) | 1 x JBL 2414H 25.4 mm (1 in) | |
| CONNECTORS: INPUT 3 | Balanced XLR / 1/4 inch TRS combo jack | Balanced XLR / 1/4 inch combo jack with XLR loop through | Balanced XLRs with loop through (stereo) to balanced XLR satellite outputs. 1/4 inch speaker level input |
| INPUT 1 & 2 OUTPUT | 1/4 inch TRS jack Balanced male XLR, +20 dBu (peak) | Balanced XLR / 1/4 inch TRS jack Balanced male XLR, +20 dBu (peak) | |
| SUSPENSION/MOUNTING | 35 mm pole socket with stabilizing screw 3 x M10 suspension points 1 x M10 | 35 mm pole socket with stabilizing screw 4 x M10 suspension points 1 x M10 pull-back point | 35 mm pole socket on top |
| DIMENSIONS (H x W x D) | 490 x 315 x 262 mm 19.3 x 12.4 x 10.3 in | 673 x 406 x 368 mm 26.5 x 16 x 14.5 in | 595 x 569 x 652 mm 23.4 x 22.4 x 25.7 in |
| NET WEIGHT (each) | 7.7 kg (17 lb) | 14.8 kg (32.5 lb) | 29.5 kg (65 lb) |

EON® 300 Series

key features

- 15" LOW-FREQUENCY DRIVER WITH A 64MM 2-1/2" DIAMETER EDGE WOUND RIBBON VOICE COIL
- 100° H x 60° V ASYMMETRICAL WAVEGUIDE FOR UNIFORM AUDIENCE COVERAGE
- LIGHT WEIGHT FOR TRUE PORTABILITY
- EFFICIENT CLASS-D DIGITAL AMPLIFIER TECHNOLOGY (EON315)



EON305



EON315

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.

EON305

The **EON305** is a 15-inch, two-way, passive, portable speaker system. It is a light weight loudspeaker system capable of fullbandwidth reproduction at high levels. The EON315 is comprised of a 380 mm (15 in) JBL woofer, a 25.4 mm (1 in) neodymium high frequency compression driver coupled to a 100° H by 60° V waveguide. The system will handle 250 watts continuously and 1000 watts peak.

EON315

The **EON315** is a 15-inch, two-way, powered, portable speaker system. It is a complete self contained sound reinforcement system, capable of full-bandwidth reproduction at high levels with the added benefit of a microphone pre-amp enabling the direct connection of a dynamic microphone. The EON315 is comprised of a 380 mm (15 in) JBL woofer, a 25.4 mm (1 in) neodymium high frequency compression driver coupled to a 100° H by 60° V waveguide. Both components are driven by the discrete channels of a 280 watt Class-D integrated power amplifier. The input section contains all cross-over functions, protection, and system EQ functionality.

specifications

| | EON305 | EON315 |
|-------------------------|--|--|
| SYSTEM TYPE | 15", two-way, bass-reflex design | Self-powered 15", two-way, bass-reflex design |
| FREQUENCY RANGE (-10dB) | 38 Hz - 20 kHz | 38 Hz - 20 kHz (EQ in 'Flat' position) |
| COVERAGE PATTERN | 100° H x 60° V nominal | 100° H x 60° V nominal |
| CROSSOVER FREQUENCY | 1.9 kHz | 1.8 kHz |
| SENSITIVITY | 98 dB (1w/1m) | 127 dB |
| MAXIMUM SPL | 128 dB | |
| SYSTEM POWER RATING | 250 W continuous, 500 W program, 1000 W peak | 280 W continuous, 560 W peak |
| TRANSDUCERS: LF | 1 x M115-8 380 mm (15 in) woofer | 1 x M115-2 380 mm (15 in) |
| HF | 1 x JBL 2414H-1 25.4 mm (1 in) | 1 x JBL 2414H-1 25.4 mm (1 in) |
| CONNECTORS: INPUT | Parallel Neutrik® NL4 / 1/4" combo connectors | Balanced XLR / 1/4 inch TRS combo jack |
| OUTPUT | | Balanced male XLR, +20 dBu (peak) o/p level |
| SUSPENSION/MOUNTING | 35 mm pole socket with stabilizing screw 4 x M10 suspension points 1 x M10 pull-back point | 35 mm pole socket with stabilizing screw 4 x M10 suspension points 1 x M10 pull-back point |
| DIMENSIONS (H x W x D) | 685 x 438 x 366 mm 27 x 17.3 x 14.4 in | 685 x 438 x 366 mm 27 x 17.3 x 14.4 in |
| NET WEIGHT (each) | 15 kg (33 lb) | 15.9 kg (35 lb) |

EON® 210P

key features



- ▶ PLUG-AND-PLAY
- ▶ BUILT-IN 8-CHANNEL MIXER



Whether you're making a presentation, teaching aerobics or a math class, performing stand-up comedy or making music with friends, it's not enough to be heard - you need to be understood. That means your personal PA has to be clear, natural and loud. The EON210P from JBL has all of the features you'll need to reach your audience and make that meaningful impression.

We've developed an ergonomic system that allows you to easily move through life... in and out of cars, through doorways or up and down stairs. With its light weight and compact profile the EON 210P makes transportation and set-up

The system's thoughtful modern design makes it a breeze to enjoy "true stereo" audio in just minutes. The 8 input channels, tone controls and digital effects give you the flexibility to cover any situation while its plug-and-play layout makes the entire experience inviting and fun.

You can feel confident that JBL's 60 year commitment to innovation and reliability ensures that the EON210P's sound quality is pure and that the product will last a lifetime.



specifications

EON210P

| | |
|----------------------------|--|
| SYSTEM TYPE: | Powered mixer with two (2) two-way bass-reflex enclosures |
| FREQUENCY RESPONSE (±3 dB) | 75-19 kHz |
| COVERAGE PATTERN | 100° x 60° nominal |
| MAXIMUM SPL OUTPUT | 124dB peak system output (pink noise) |
| AMPLIFIER DESIGN | Crown® Class D |
| SYSTEM POWER RATING | 300 W (2 x 150 W Sine Wave Burst) |
| CONNECTORS: INPUT | 8 inputs (4 Mono Mic/Line, 2 X Stereo) |
| Channels 1-4 | XLR / 1/4" jack combo connectors (mic level XLR, line level 1/4") |
| Channels 5-6 | One pair of 1/4" balanced TRS jacks (stereo), one pair of RCA jacks (stereo) |
| Channels 7-8 | 3.5 mm stereo jack |
| OUTPUT CONNECTORS: AMP | 2 X 1/4" TS (unbalanced) |
| MONITOR | Pair of 1/4" balanced TRS jacks (stereo), pair of RCA jacks (stereo) |
| HEADPHONE | 3.5mm stereo jack |
| PHANTOM POWER | 30V |
| EQ | Individual channel bass and treble controls, center detent, +/-6db cut and boost |
| SYSTEM LIMITER | On-board DSP limiting and tuning |
| TRANSDUCERS: LF | 1 x JBL 328H (10 in) woofer |
| HF | 1 x JBL 2414H-1 37.5 mm (1.5 in) annular polymer diaphragm, neodymium compression driver |
| SUSPENSION/MOUNTING | 36mm pole socket with stabilizing screw |
| HANDLES | One on top |
| MOUNTING | 36mm pole socket with stabilizing screw |
| DIMENSIONS (SHIPPING) | 546 x 660 x 349 mm |
| (H x W x D): | 21.5 x 26 x 13.75 in |
| NET WEIGHT: | 15 kg (33 lb) total |
| | Powered mixer: 19 lb; Storage pod: 14 lb |

EON210P WITH MIXER POD



EON210P WITH STORAGE POD

