



CERWIN-VEGA!
Active Series

it, unique, powerful, dominant, integrated, thunderous, accurate, portable, system, active, flexible, extreme, rugged, big

Meet the family

For more than 50 years, Cerwin-Vega! has set the standard for high performance professional sound reinforcement. Cerwin-Vega does it again with the introduction of the Active Series. Simply put, if you make your living as DJ, performing artist, or production company, this series is for you. If you are tired of compromising performance, particularly great bass output for portability, Cerwin-Vega Active is what you've been waiting for.

Cerwin-Vega Active is a system approach to live sound, building on Cerwin-Vega's proud legacy as the dominant force in low-frequency sound reproduction. By combining, and precisely matching speaker, enclosure and amplification technology into one package, Cerwin-Vega engineers have maximized the overall acoustic performance of each speaker, while eliminating the, set-up complexities that usually come from such high performance components.



The Players

CVA-28

The CVA-28 is a 3 way active speaker system that provides powerful sound in a small, modular package.

CVA-118

CVA-121

The CVA-118 and CVA-121 subwoofers match perfectly with the CVA-28. The custom-designed drivers in the 18" and 21" beasts use legendary Cerwin-Vega! technology for maximum cone excursion and voice-coil efficiency.



Because of our heritage in bass performance, the series is built on a foundation that includes two available active subwoofers, including a massive 21 inch unit. Regardless of application, you'll know the venue will be covered in deep, clean, thunderous bass. The Cerwin-Vega Active Series doesn't stop there. Understanding that overall coverage and upper frequency accuracy are as important as the reproduction of tremendous bass, the active subwoofers are paired to an accurate, active dual 8-inch full range speaker. The perfect partner to the active subs, the dual 8-inch 3-way provides mid-range and upper end definition typically reserved for studio monitors.

If acoustic performance and portability weren't enough, one of the important aspects of the Active Series is upgradeability. Start off small and build as you go. The Cerwin-Vega Active Series provides a building block approach that grows as your needs do. Also the system design means you only have to take the components you need for each job. Upgradeability is further enhanced with a complete array of speaker mount accessories. These bring all the acoustic components together with the convenience and flexibility you want during your next performance.

Piqued your interest? Good!
On the next pages we'll take a closer look at the players and how each can be configured for maximum performance in applications like yours.

Go Big or Go Home

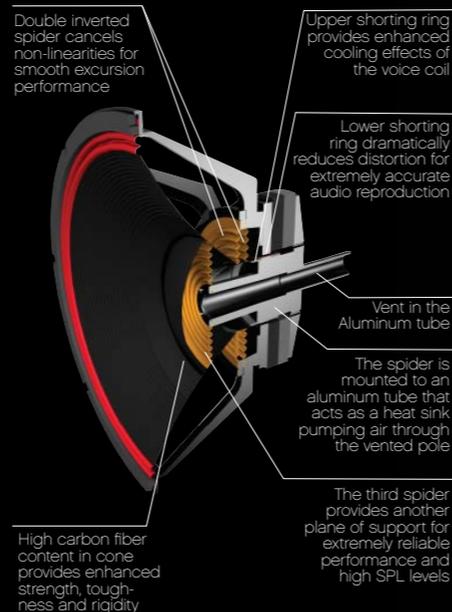
Show us somebody who doesn't appreciate solid, powerful bottom end, and we'll show you a person with no soul. Nobody knows more about the reproduction of clean, venue shaking bass than Cerwin-Vega. We practically invented it! No wonder we built the Cerwin-Vega Active Series on a solid bass reproduction platform. Two Subwoofers are available to meet your application and budget needs; the CVA-118 and the flagship CVA-121 active subwoofer, with a massive 21-inch woofer and integrated 1200-watt power amplifier.



CVA-121

The CVA-121 system offers tremendous power output and exceptional low frequency response. The CVA-121 represents an industry milestone, as it is the first 1200-watt, 21-inch active subwoofer. A key engineering challenge in the development of the CVA-121 was to maintain woofer control from a system able to deliver such extreme excursions and high SPL. The answer? Cerwin-Vega's innovative Stroker® Technology, which utilizes a three-spider driver design to optimize cone excursion and voice coil efficiency. Stroker® provides a pair of double inverted spiders to control linearity and maintain smooth excursion. While a third spider provides another plane of support for speaker movement. The third spider also keeps the surround from pulling the cone unevenly, dramatically improving voice coil and magnetic gap alignment at the system's extreme output. Cerwin-Vega engineers even utilized a unique and striking cast aluminum grille that doubles as a speaker heat sink, enabling these woofers to play longer and harder than anything else in their class.

STROKER®



Matched to this woofer is a powerful, built-in 1200-watt (2400 watt peak), high-efficiency Class-H amplifier. The CVA-121 amplifier includes a unique onboard parametric equalizer that allows for added adjustment of gain, frequency and Q for customized performance options. This allows users to dial in the correct sub response for each venue. Users can bump frequencies that need more emphasis or cut offending frequencies that occur from room corner loading or wall boundary conditions. Integrating all these technologies allows the CVA-121 to deliver best in class low frequency output from a 21-inch speaker, but has a footprint more like an 18-inch box. The result of all this integration is power, upgradeability and improved portability.

Unleashing all this power has never been easier thanks to a complete array of connection and mounting options. First, XLR and quarter inch connectors allow for balanced and unbalanced operation, and flexible setup while using a wide variety of cables and configurations.

While Master/Slave output connectors allow users to daisy-chain multiple CVA subwoofers. Finally, three top-mount 35 mm pole sockets and matched mounting accessories, provide for flexible full range system configurations.

Protecting your investment is solid 18-mm hardwood construction, available in either durable Coollex® polyurethane paint or high grade Carpet finish. Bottom line; the CVA-121 Active Subwoofer will provide you exceptional performance in a package much smaller and easier to use than you have ever seen before.



Get the power.



CVA-118

The CVA-118 shares many of the features and benefits found in its bigger 21-inch brother, but with an even more compact enclosure. This active subwoofer is built around a custom designed 18-inch Cerwin-Vega woofer with extreme power handling and output. To maximize the woofer's output, the CVA-118 system includes a matched and integrated 700-watt amplifier. This active design approach not only maximizes performance, but delivers improved portability. Users get the output of an 18" woofer from an enclosure normally associated with a smaller 15-inch subwoofer.

Of course, flexible input connections, daisy-chain capability, and mounting accessories makes the CVA-118 the perfect first choice when building an easy to use, flexible and powerful bottom end foundation.



CVA-28

While impressive on its own, the Cerwin-Vega Active Series subwoofers are complemented by the CVA-28. Like its subwoofer partners, the CVA-28 is a totally integrated, matched, and optimized active speaker system that provides powerful sound in a small, modular package. The system configuration starts with an innovative, 3 way, dual 8" design. The dual 8" configuration was chosen for optimized directivity and to provide high performance in a small package. The custom designed Cerwin-Vega drivers also provide superior power handling, tight bass and refined mid-range. Finally, a compression driver is placed in the center of the top woofer in a concentric configuration. This design provides time-aligned high frequencies for incredible detail and imaging.

Matched to this impressive transducer array is a 400 watt integrated 3-way amplifier. With 800 watts peak output, the amplifier circuitry also boasts several helpful user features. Start with a dedicated EQ contour switch optimized for high SPL situations. This feature greatly

enhances speaker sound quality by reducing unwanted frequencies at high SPLs. This equalization control is the result of testing in real world environments with industry experts. A Sub/No Sub switch allows users to roll off the low end when used with a dedicated subwoofer, eliminating competing frequencies in the system. Access to the amplification section is available through microphone, line, and instrument inputs through XLR and quarter inch connectors. These flexible input choices let you choose how you use the system: PA, satellite speaker, or instrument source. System status is communicated by a series of four LEDs that provide direct feedback on important information such as signal and power.

As with other members of the Cerwin-Vega Active Series, the CVA-28 provides superior flexibility and upgradeability. The CVA-28 can be mounted or installed in a myriad of ways thanks to integrated fly points, fly kits, pole mounts, and dual and triple speaker mount accessories. Cerwin-Vega hardware accessories let users

create a mini flyable array, or create an expandable system with Cerwin-Vega subwoofers, allowing the CVA-28 to cover venues from intimate to large. The available speaker mounting systems allows up to three CVA-28 speakers to be horizontally arrayed. And there is no need to guess on how to angle the CVA-28s on top of a CVA subwoofer, since the dual and triple speaker mount accessories provide guide pins for optimized array angles, guaranteeing best SPL and overall performance from your CVA-28 array.

With or without its CVA subwoofer partners, the CVA-28 is just the best sounding active full range speaker in its class. Whether it's hip hop, jazz, bluegrass or rock and roll, the CVA-28 provides the performance, power and flexibility you just can't find elsewhere. If you're looking for an upgradeable and accurately voiced speaker as part of your performance arsenal, the CVA-28 is the way to go.

You got gigs, we got your gear

Whether it's hip hop, jazz, bluegrass or rock and roll, the Cerwin-Vega Active Series offers performance, power and flexibility you just can't find elsewhere. If you're looking for a reliable, upgradeable and accurately voiced speaker system, this is the series for you. So here are just a few application ideas for those of you that make a living as DJ or live performer, looking to entertain a intimate crowd or the whole house.



Ground Floor

DJ or small ensemble, a pair of CVA-28's would impress just about any crowd on their own. Add a CVA-118 and really make an impression.



Moving On Up

Bigger group, bigger venue. Cerwin-Vega Active has what you need. Add a pair of 28's and move up to the massive CVA-121 and you'll have everyone off their seats.



Crowded House

Keep it portable, and just add more gear. It's all compatible, upgradeable and flexible. Array more CVA-28's for full house coverage, and double up your bottom end with dual subs.



Flying High

No matter the platform, you have the gear. Bring only what you need, knowing you have a totally reliable system complete with integrated flypoints, and accessories that will allow you to put all this power and performance where you need it. So get ready to be asked back, again, and again.

Pack a Punch, Not Your Vehicle

You know less is more when it comes to packing out your next gig. Rely on the Cerwin-Vega Active Series to do the grunt work. You can leave the extra roadie behind and just grab your gear. Leave behind any doubt about the sound too, with complete system integration it's like you've got a top sound engineer coming along for the ride. You've got the sound and the punch covered.

If you make your living as DJ, performing artist, or production company, this series is for you. If you are tired of compromising performance, particularly great bottom end output for portability, Cerwin-Vega Active Series is what you've been waiting for.



CVA-121

CVA-121 SUBWOOFER SYSTEM

21-INCH ACTIVE SUBWOOFER

Power Capacity	Continuous 1200 watt peak 2400 watt
Frequency Response	(+/- 3dB) 35 Hz – 135 Hz
Frequency Range	(-10 dB) 32 Hz – 135 Hz
Max SPL	135 dB at 2400 watt
Sensitivity	(1w/1m) 101 dB
LF Driver	SW21A, 21 inch with Stroker® technology Subsonic Filter: 25 Hz
Voice Coil	4 inch

AMPLIFIER MODULE

Power Rating	1200 watt / 2400 watt peak
Input Connectors	XLR/F Balanced (x2) Bal/Unbalanced 1/4 inch TRS (x2) Balanced
Output Connectors	XLR/M (x2) 1/4 inch TRS (x2) Bal/Unbalanced XLR/M Slave Balanced

CROSSOVER VARIABLE

LPF: 65 Hz to 130 Hz Variable
Subsonic Filter: 25 Hz

CONTROLS

HPF: 65 Hz, 85 Hz, 130 Hz
Variable LPF: 65 Hz, 130 Hz

POLARITY SWITCH

0-180 Polarity Switch
0-180 Parametric Equalizer
Gain, Frequency, Q

POWER CONSUMPTION AT IDLE

No more than 20W

CONSTRUCTION

18 mm Hardwood Finish
Cool-X® Polyurethane Paint or Carpet

Dimensions- (H x W x D)
31.75 inch x 23.5 inch x 23.5 inch
806 mm x 597 mm x 597 mm

Net Weight 180 lb (82 kg)
Additional- Removable Casters: 2 fixed, 2 swivel

CVA-118

CVA-118 SUBWOOFER SYSTEM

18-INCH ACTIVE SUBWOOFER

Power Capacity	Continuous 700 watt peak 1400 watt
Frequency Response	(+/- 3dB) 39 Hz – 135 Hz
Frequency Range	(-10 dB) 36 Hz – 135 Hz
Max SPL	131 dB at 1200 watt
Sensitivity	(1w/1m) 99 dB
LF Driver	SW18C, 18 inch
Voice Coil	3 inch

AMPLIFIER MODULE

Power Rating	700 watt / 1400 watt peak
Input Connectors	XLR/F Balanced (x2) Bal/Unbalanced 1/4 inch TRS (x2) Balanced
Output Connectors	XLR/M (x2) 1/4 inch TRS (x2) Bal/Unbalanced XLR/M Slave Balanced

CROSSOVER VARIABLE

LPF: 65 Hz to 130 Hz Variable
Subsonic Filter: 25 Hz

CONTROLS

HPF: 65 Hz, 85 Hz, 130 Hz
Variable LPF: 65 Hz, 130 Hz

POLARITY SWITCH

0-180 Polarity Switch

POWER CONSUMPTION AT IDLE

No more than 20W

CONSTRUCTION

18 mm Hardwood Finish
Cool-X® Polyurethane Paint or Carpet

Dimensions (H x W x D)
25 inch x 21 inch x 23.5 inch
635 mm x 533 mm x 597mm

Net Weight- 115 lb (52 kg)

CVA-28

CVA-28 FULL RANGE SYSTEM

DUAL 8-INCH ACTIVE FULL RANGE

Power Capacity	Continuous 400 watts Peak 800 watts
Frequency Response	(+/- 3dB) 70 Hz – 20 kHz
Frequency Range	(-10 dB) 60 Hz – 20 kHz
Max SPL	128 dB at 800 watts
Sensitivity	(1w/1m) 99 dB
HF Driver	CD34B voice coil 34mm
MLF Driver	FR8C, 8 inch voice coil 2 inch
LF Driver	FR8B, 8 inch voice coil 2 inch
Nominal Beam Width (-6 dB SPL Points)	Horizontal 50 Vertical 50

AMPLIFIER MODULE

Power Rating	400 watts / 800 watts peak
Input Connectors	XLR/F 1/4 inch TRS Bal/Unbalanced
Output Connectors	XLR/M 1/4 inch TRS Balanced

CONTROLS LEVEL

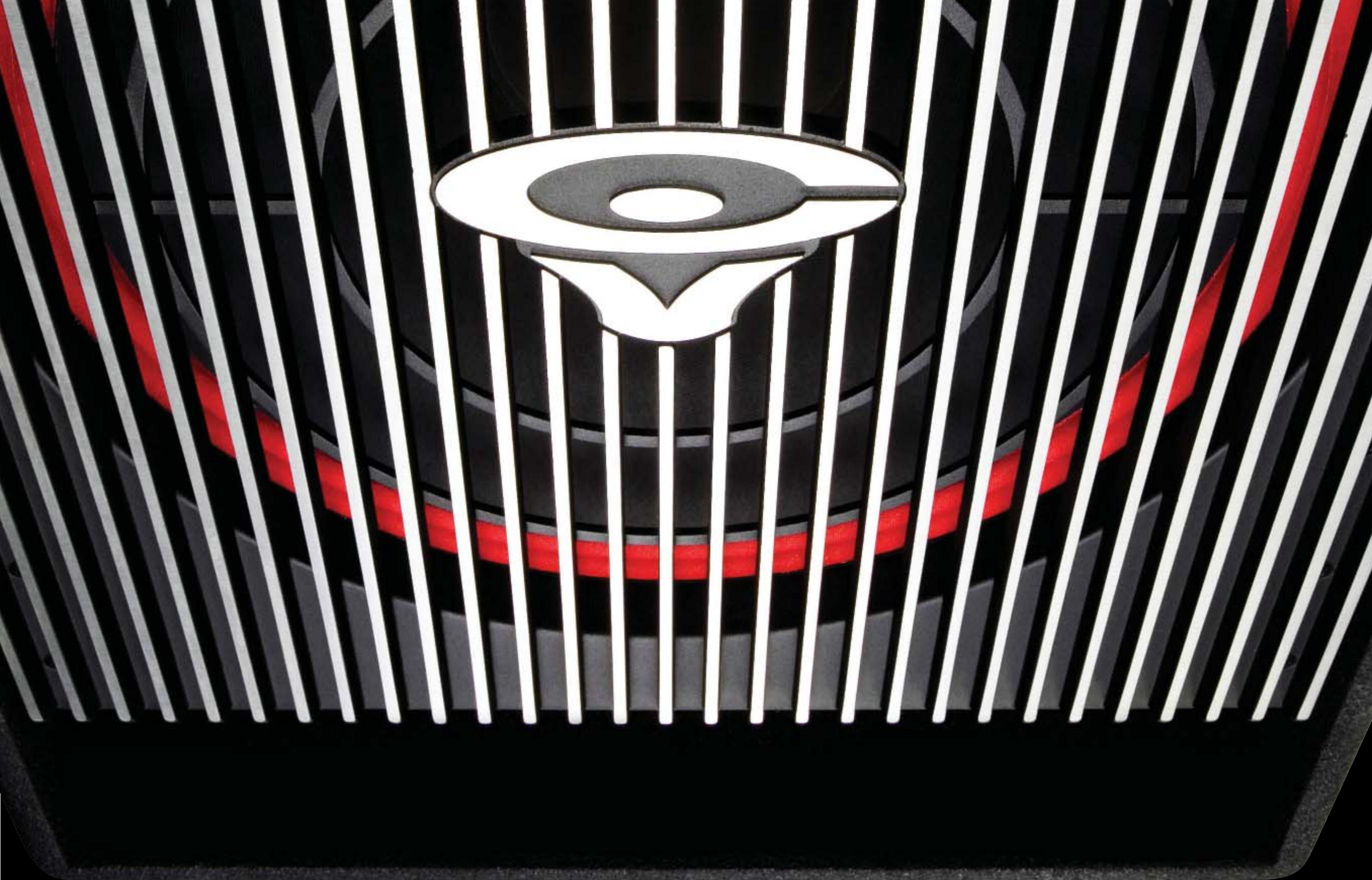
Line/Mic-D.I.
No Sub/With Sub
Contour/Off Power Voltage Selector

CONSTRUCTION

Multi-ply Hardwood Finish
Cool-X® Polyurethane Paint or Carpet

Dimensions (H x W x D)
20.5 inch x (front)11 inch (rear) 8.5 inch x 12 inch
520 mm x (front)279 mm (rear) 216 mm x 305 mm

Net Weight 48 lb (21.8 kg)



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