



Every journey has a soundtrack.  
Let's make yours sound amazing.

**JL AUDIO** | How we play.<sup>®</sup>  
A Garmin Brand





JL Audio's research has resulted in over fifty U.S. Patents granted, covering 26 inventions related to loudspeakers and audio electronics.







## Engineering & Manufacturing: a commitment to great audio.

At a time when most audio products are built overseas, JL Audio's commitment to in-house loudspeaker production continues to grow. All W7AE, W6v3, TW5v2, TW3, TW1, W3v3 subwoofers and most of our C7 products are built in our South Florida factory with components sourced from global suppliers. We also build our marine loudspeakers, home subwoofers, Stealthbox® products and the vast majority of our enclosed subwoofer systems in Florida.

To pull this off in a competitive world market, our production engineering team has created one of the world's most advanced loudspeaker manufacturing facilities. This commitment to state-of-the-art technology allows our highly skilled workforce to efficiently build JL Audio products to extremely high quality standards.

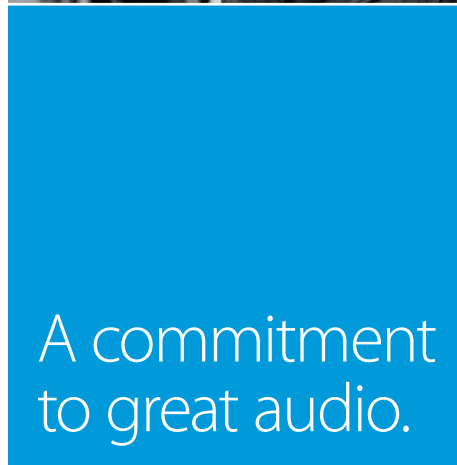
While it is also feasible to build high quality products overseas (and we do build some of our products in Europe and Asia), it can be challenging when the product's technology is innovative or complex. Since most of our premium loudspeakers incorporate proprietary, patented technologies requiring specific assembly techniques, we prefer that the people who design them have close access to the people manufacturing them.

I think you will see JL Audio's total commitment to performance and quality in every detail of our products, but most importantly, you will hear it every time you listen to them.

**Lucio Proni - CEO and Chief Engineer**



Andy Oxenhorn, President (L)  
& Lucio Proni, CEO and  
Chief Engineer (R)





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## LoC™ 22: Line Output Converter.

The affordable, premium alternative to passive Line Output Converters.

The LoC™ 22 is purpose-built for applications requiring the attenuation of factory audio signals for connection to aftermarket amplifiers.

Equipped with a fully regulated, switching MOSFET power supply and an all-analog circuit design, the LoC™ 22 delivers flat frequency response, at any signal level (3 Hz – 32 kHz, +0, -1dB), without altering bass response at high levels, like many passive line output converters do.

Engineered to combat induced cable noise, the LoC™ 22 features a differential-balanced input architecture making it compatible with virtually any analog audio signal. Capable of accepting up to 40V RMS per channel (equivalent to 400W @ 4 ohms), the LoC™ 22 easily handles the most powerful factory amplifier outputs. An onboard dual-range input load switch allows compatibility with most factory amplifiers that employ impedance detection to mute channels.

Ideal for full-range or low-frequency applications, the LoC™ 22 is outfitted with a pair of analog RCA-type, line-level output jacks (up to 8V RMS) to feed audio signals to your aftermarket system. Analog outputs are compatible with most types of aftermarket signal processors or amplifiers.

Setting output levels is super simple, thanks to a specially calibrated, onboard clipping indicator that works with test tones or music. The LoC™ 22 offers two automatic turn-on methods and provides a positive 12V turn-on output to activate aftermarket amplifiers or other downstream electronics.

**Great audio starts with a clean signal!**

### Ultra-Clean, Analog Circuit Design

- Fully active, all analog circuit design by JL Audio Sr. Engineer, Bruce Macmillan.
- Flat frequency response from 3 Hz - 32kHz (+0, -1dB), at any signal level. (Will not alter bass response like many passive LOCs do at high levels.)
- Ideal for Full-Range or Low Frequency applications.

### High-Voltage, Dual Load Impedance Inputs

- 2 channels of input, up to 40V RMS per ch. (400W at 4 ohms), via Euroblock connector
- Differential-balanced input architecture offers noise rejection and compatibility with most analog outputs from OEM source units and amplifiers.
- Dual range input load switch (20 kΩ/Normal, 60Ω/Low Z, thermally protected) for maximum compatibility with OEM amplifiers.

### High-Voltage Line Outputs

- One stereo pair of line-level RCA output jacks (450 ohms output impedance)
- Adjustable Output Level: 1V - 8V RMS per ch.

### Auto Turn-On Circuitry

- Two methods of activation: Signal-sensing or DC-offset sensing
- A dedicated remote turn-on output provides voltage to activate your aftermarket signal processors or amplifiers.

### Super-Fast, Intuitive Setup

- A specially calibrated clipping indicator works with music or test tones to simplify output level setting.



**Super-Tiny!**  
Fits just about anywhere!

### CL-RLC Remote Level Control

The CL-RLC is a fully active, remote level control preamplifier, designed for use as an audiophile-grade, full-range volume controller.

Equipped with differential-balanced, line-level inputs, the CL-RLC delivers up to 7.5V RMS of clean, unclipped output to feed an amplifier. A pair of buffered, pass-through outputs are also on-hand to pass signal to a satellite amplifier from the same input channels (without volume control).



### Ultra-Versatile Volume Control

Crystal-clear level control for a variety of applications, including:

- Master Volume
- Subwoofer Level
- Center-Channel
- Rear Fill
- Zone Level
- AUX Source
- Virtually Any Line-Level Source...





# FiX: OEM Integration DSP.

## Turn OEM challenges into aftermarket dream systems!



Factory head-units have evolved into fully integrated entertainment hubs, typically interconnected with supplementary vehicle controls, safety system displays and other critical vehicle functions. The days of “replacing the radio” are long-gone, and instead, we are required to work with the vehicle’s source unit. We recognized this trend emerging over a decade ago, and we introduced the world’s first auto-correcting DSP OEM interface, the Cleansweep CL441dsp (in 2004).

Since then, our commitment to creating advanced OEM integration products has only intensified. Today’s JL Audio FiX™ line of OEM Integration DSPs is incredibly advanced, and fully armed to deal with the challenges presented by modern factory audio systems, without interfering with vehicle functionality, safety or reliability.

Equipped with a powerful 24-bit DSP, with proprietary programming and correction algorithms, a FiX™ DSP combines the functions of a powerful audio analyzer, line output converter, digital delay, signal-summing preamplifier and multiple 30-band equalizers. These functional blocks are programmed to measure multiple factory audio signals, level match them, correct any delay, sum them, and then equalize them for flat response. All of this happens automatically, with the press of a button.

By connecting a PC running our TüN™ Software, the FiX™ processors also offer 10-bands per output channel of user-adjustable graphic equalization, plus a full suite of signal analysis tools that help confirm and troubleshoot the integration process.

**FiX™ it right the first time, and great audio will follow.**

### FiX™ Models:

**FiX™ 82:** 8-ch. Inputs / 2-ch. Stereo RCA Outputs / 1 Digital Optical Output

**FiX™ 86:** 8-ch. Inputs / 4-ch. Stereo RCA Outputs / 2 Subwoofer Outputs

### Automatic Time Correction and Digital EQ

- FiX™ is the first DSP that automatically performs time delay corrections prior to signal summing and EQ correction. This is essential for achieving proper summing and equalization of the signals.
- Powerful DSP with 24 bit / 48 kHz resolution performs all processing in approximately 30 seconds. No special equipment is needed!

### Ultra-Versatile Differential-Balanced Inputs

- Accepts up to 8 channels of OEM analog audio signals, from low-voltage, line-level to high-power, amplified speaker-level outputs (up to 30V RMS).
- FiX™ 82: Sums 2-way, 3-way or 4-way factory outputs into two full-range stereo signals, with automatic level matching.
- FiX™ 86: Retain your factory fader functionality with channel specific inputs:  
Front: Full-range, 2-way or 3-way  
Rear: Full-range or 2-way

### Flexible Output Configuration by Model

- FiX™ 82: Choose from a stereo pair of 4-volt line-level RCA jacks, or a digital optical (Toslink) output, supporting PCM audio (S/PDIF) 24bit / 48 kHz.
- FiX™ 86: Separate, 4 VRMS line-level RCA outputs for Front and Rear (flat, full-range, OEM fader-controlled outputs), plus Subwoofer (flat, full-range, non-fading, front + rear summed outputs).

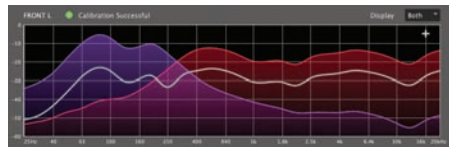


### Powerful Results from a Single Button Press!

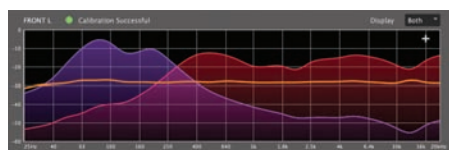
- Time-delayed factory audio signals are automatically synchronized.
- 2-way, 3-way or 4-way factory outputs are summed into flat, full-range stereo signals, with automatic level matching.
- Dual 1/3 octave equalizers automatically correct the frequency response of the delay-corrected and summed factory signal.

### Selectable Activation Options, plus a Turn-On Output

- FiX™ can be activated with a conventional 12-volt trigger, or via automatic signal-sensing or DC-offset sensing.
- A dedicated remote turn-on output provides voltage to activate your aftermarket amplifiers or signal processors.



FiX automatically level matches and sums factory signals to arrive at a full-range response.



FiX then applies a powerful automatic equalizer to flatten the response of the summed signal.



### Digital Remote Controller Options:

Add handheld functionality, all within easy reach of the driver.

#### DRC-100

- Master Volume Control
  - Handsfree Optimization
  - LED Status Reporting
- DRC-205 (pictured)**
- Master Volume Control
  - Subwoofer Level Control (FiX™ 86 only)
  - Handsfree Optimization
  - LED Status Reporting





# TwK: System Tuning DSP.

Unleash the power of DSP to tune your system like never before!



Armed with a 24-bit digital signal processor, TwK™ System Tuning DSPs deliver exceptional system tuning functionality, precision and flexibility.

Both TwK™ models feature eight channels of crystal-clear, analog audio outputs. An unprocessed, optical (Toslink) digital output is also included, so you can expand a system with additional TwK™ DSPs, if needed. A DRC-200 Digital Remote Controller is included to add convenient control and status reporting capabilities from the driver's seat.

To control the tuning horsepower of the TwK™ DSP, simply connect a PC via USB, running our TüN™ Software. TüN's easy-to-use setup screens deliver simple, menu-based selections to create new projects quickly, with multiple input and output configurations. Once set up, you have full access to a wide selection of EQ, Crossover, Delay and Level adjustments to precisely achieve your desired audio results.

**Whether you're an audio beginner, passionate enthusiast or dedicated audiophile, TwK™ DSPs put an amazing set of tuning super-tools right in your hands!**

### TwK™ Models:

- TwK™ 88:** 8-ch. Stereo RCA Inputs / 2 Digital (Optical/Toslink and Coaxial) Inputs/ 8-ch. Stereo RCA Outputs / 1 Digital Optical (Toslink) Output
- TwK™ D8:** 1 Digital Optical (Toslink) Input / 8-ch. Stereo RCA Outputs / 1 Digital Optical (Toslink) Output

### TüN™ DSP Control Software

- Simple and easy-to-use, PC based graphic interface
- Create and configure new projects quickly with menu-driven setup screens.
- Provides a wide selection of EQ, crossover, delay and level adjustments to precisely achieve desired audio results.

### Outstanding Tuning Power for All System Types

- Remarkably adaptable signal processing capabilities, suitable for basic setups or for expert tuning of the most advanced system designs.

### Flexible Input/Output Design with Powerful Mixing Tools

- **Inputs:**
  - TwK™ 88 - 8 differential-balanced, line-level RCA jacks (up to 7.1V RMS), plus separate digital coaxial and optical (Toslink) inputs - supports PCM audio (S/PDIF) 24bit / 48 kHz
  - TwK™ D8 - 1 digital optical (Toslink) input - supports PCM audio (S/PDIF) 24bit / 48 kHz
- **Outputs:**
  - 8 Analog, line-level RCA jacks, plus an unprocessed, optical (Toslink) digital output so that additional TwK™ DSPs can be added to a system.
  - Flexible input mixer and router permits simple or complex system architectures, including special spatial effects for center and rear channels.
  - A dedicated remote turn-on output provides voltage to activate your aftermarket amplifiers or signal processors.

### Powerful Signal Processing Capabilities

- Eight powerful, 10-band full octave graphic or parametric EQs, assignable to each output, or able to be combined to multiple outputs.
- Fully variable, high-pass and low-pass filters for each channel, with selectable slopes from 6dB to 48dB/octave in 6dB/octave increments.
- Configurable delay settings, with separate entries for speaker distance/offset control; expressed in time or distance units, fully linkable with other channels
- Individual output polarity controls, fully linkable with other channels
- Comprehensive level controls, fully linkable with other channels

### Convenient System Command and Control from the Driver's Seat

- Dual-rotary, DRC-200 Digital Remote Controller (included) adds handheld functionality, all within easy reach of the driver. Configurable options include:
- Master Volume Control
  - Secondary Level Control - set as a subwoofer, fader or zone level controller
  - Push-Button Preset Toggle - advance through your personal collection of listening/tuning presets (up to six)
  - LED Status Reporting - multi-color LED illuminates to indicate operating condition and selected preset



Test drive TüN™ for free and see it all on your PC. (FiX™ & TwK™ hardware is not required to experience the full TüN™ interface in simulation mode.)









# VXi Amplifiers: Simplify.

## Reference-grade amplifiers with Integrated DSP.



Offering unprecedented tuning power and flexibility, VXi amplifiers combine JL Audio's second-generation NexD2™ high-speed switching technology with a powerful digital signal processor, all within a compact, beautiful package.

At the heart of each VXi amplifier is a triple-core AKM® DSP engine with a custom configuration. This powerful DSP not only enables powerful tuning capabilities, but it also helps to improve amplifier audio performance by acting as a master clock for the full-range audio amplifier sections. Further amplifier performance gains have been achieved via minimum loop area output designs, DirectFET® output devices and closely coupled output capacitor banks. The result is a new level of Class D amplifier performance, with outstanding efficiency, reliable power delivery and world-class audio quality.

The triple-core DSP engine has ample power to enable a full suite of powerful signal processing functions. These include powerful input switching, routing and mixing for a wide range of sources and configurations. Also included for each amplifier output channel and the analog pre-outs are high pass and low pass filters, delay, all-pass filter, polarity and output level trim. Optical, digital pre-outs feature the ability to EQ and level control the digital stream.

Instead of using traditional control knobs and switches, VXi amplifiers are easily configured from the driver's seat, using JL Audio's TüN™ software on a compatible computer, tablet or smartphone. Users can define up to six active preset tunings that can be called up at the push of a button using one of the compatible DRC controllers (sold separately).

**Control, power and finesse rarely come together so neatly.**

### VXi Models

#### Monoblock Subwoofer Amplifiers

**VX600/1i:** 1 x 400W @ 4 ohms; 1 x 600W @ 2 ohms

**VX1000/1i:** 1 x 600W @ 4 ohms; 1 x 1000W @ 2 ohms

#### Full-Range Multi-Channel Amplifiers

**VX400/4i:** 4 x 75W @ 4 ohms; 4 x 100W @ 2 ohms

**VX600/2i:** 2 x 180W @ 4 ohms; 2 x 300W @ 2 ohms

**VX600/6i:** 6 x 75W @ 4 ohms; 6 x 100W @ 2 ohms

**VX800/8i:** 8 x 75W @ 4 ohms; 8 x 100W @ 2 ohms

#### System Amplifiers

**VX700/5i:** 4 x 75W + 180W @ 4 ohms;

4 x 100W + 300W @ 2 ohms

**VX1000/5i:** 4 x 75W + 400W @ 4 ohms;

4 x 100W + 600W @ 2 ohms

Power ratings for VXi amplifiers are based on the industry standard rating method (14.4V supply voltage w/ less than 1% THD+N, all channels driven, RMS method).

#### Unprecedented, Onboard DSP Tuning Power!

- Powerful DSP permits optimizing each channel's timing, frequency response and output levels, for exceptional sound quality.
- TüN™ Software delivers fast and easy setup, at your fingertips. Make all adjustments with a clear interface. Free TüN™ software is available for computers and most handheld devices.

#### 2nd-Gen NexD2™ Switching Amplifier Technology

- Advanced, high-speed switching technology delivers reference-grade power and efficiency.
- DSP-synchronized power supply and output channels produce world-class sound quality with very low noise and distortion.

#### Ultra-Versatile Analog and Digital Inputs

- Differential-Balanced Analog Inputs accept speaker level signals up to 16V RMS, including those from factory systems. Delivers outstanding noise rejection to prevent alternator whine and other noises.
- Optical Digital (Toslink) Inputs permit direct connection of S/PDIF digital sources, bypassing A/D converter. Accepts up to 24 bit/192 kHz input.
- Automatic turn-on options via signal-sensing or DC-offset sensing
- RCA Analog, or Digital Pre-Outs at 24 bit/96 kHz

#### JLid™ System Command and Control with Networking Capabilities

- Proprietary JL Audio protocol provides control interface and all communication for VXi amplifiers and optional JLid™ accessories, including:

##### DRC-100 / DRC-205 (Digital Remote Controllers):

Offers convenient DSP preset selection and level adjustments from the driver's seat.

##### VXi-BTC Bluetooth® Communicator:

Adds wireless connectivity for amplifier configuration from a compatible iOS® or Android® device.

##### VXi-HUB Optical Network Hub:

Provides network connectivity for up to six VXi amplifiers, allowing full-system DRC control and preset selection. Up to two VXi-HUBs can be daisy-chained to control up to ten VXi amplifiers.

NexD2™  
SWITCHING TECHNOLOGY



#### Remarkably compact & powerful.

Second-Generation NexD2™ switching technology delivers amazing power and fidelity in half the space of conventional amplifiers! (VX400/4i pictured)



#### Three Ultra-Compact Sizes!

##### Top-flight power and tuning from super-small housings!

- **VX400/4i, VX600/1i:**  
2.12 in. x 6.62 in. x 9.02 in. (54 mm x 168 mm x 229 mm)
- **VX600/2i, VX600/6i, VX700/5i:**  
2.12 in. x 6.62 in. x 9.81 in. (54 mm x 168 mm x 250 mm)
- **VX800/8i, VX1000/1i, VX1000/5i:**  
2.12 in. x 6.62 in. x 11.32 in. (54 mm x 168 mm x 287 mm)





**VX400/4i**  
400W, 4-channel  
full-range amplifier



**VX600/2i**  
600W, 2-channel  
full-range amplifier



**VX600/6i**  
600W, 6-channel  
full-range amplifier



**VX800/8i**  
800W, 8-channel  
full-range amplifier

### VXi Full-Range Multi-Channel Amplifiers



**VX600/1i**  
600W, monoblock  
subwoofer amplifier



**VX1000/1i**  
1000W, monoblock  
subwoofer amplifier

### VXi Monoblock Subwoofer Amplifiers



**VX700/5i**  
700W, 5-channel  
system amplifier



**VX1000/5i**  
1000W, 5-channel  
system amplifier

### VXi System Amplifiers

## VXi Full-Range Multi-Channel Amplifiers

VXi full-range amplifiers are built to deliver loads of high-fidelity audio output power with unmatched tuning flexibility, all housed within a compact and beautiful chassis.

Equipped with our latest NexD2™ amplifier technology and an integrated DSP, each model delivers outstanding full-range fidelity, with unprecedented tuning capabilities.

Models range from two to eight channels, in 2-channel increments. 4-channel, 6-channel and 8-channel models produce a strong 75W x 2 into 4 ohms per channel pair, bridgeable to 200W into 4 ohms. For more demanding applications, the 2-channel VX600/2i delivers a stout 180W x 2 into 4 ohms, bridgeable to 600W into 4 ohms.

## VXi Monoblock Subwoofer Amplifiers

VXi monoblock subwoofer amplifiers are outfitted with a specialized, low-frequency version of our NexD2™ switching technology, to generate world-class bass output with incredible efficiency.

For maximum versatility, each model shares the same DSP features as the full-range VXi offerings. Fully processed digital and line-level outputs are also included and can be fed to a second amplifier.

Two models are available, capable of producing 600 or 1000 watts of power for your subwoofer system. Consult with your authorized dealer to determine the best match for your subwoofer configuration.

## VXi System Amplifiers

Equipped with our advanced NexD2™ amplifier technology and an integrated, full-featured digital signal processor, VXi system amplifiers are designed to power a complete audio system with remarkable efficiency. Each model is engineered to drive two pairs of full-range channels, plus a dedicated subwoofer system.

The VX700/5i produces up to 300 watts of solid bass output, plus 75 watts into each full-range channel. For systems requiring more demanding subwoofer power, the VX1000/5i is capable of generating up to 600 watts of stunning bass output, plus 4 x 75 watts of full-range fidelity.



### What is TüN?

All VXi amplifier adjustments and DSP functionality are configured via a compatible external device (PC, Tablet or Smartphone), with the appropriate JL Audio TüN™ Software application installed.

TüN™ automatically recognizes what it is connected to, and allows you to make adjustments with a clear interface specifically tailored for that product.

TüN™ is available for download for free in a variety of applications, for computers and most handheld devices. For more information, visit: [jlaudio.com/tun](http://jlaudio.com/tun)



### VXi-BTC Bluetooth® Communicator

Enables wireless communication between a VXi amplifier or network and your compatible iOS® or Android® device (not included).



### Digital Remote Controllers

DRC-100/DRC-205 (pictured): Offers convenient level control and DSP preset selection (with LED confirmation) from the driver's seat.



### VXi-HUB JLiD™ & Optical Network Hub

Network up to six VXi amplifiers together, with full-system DRC control and preset selection. Daisy-chain two VXi-HUBs and command up to ten VXi amplifiers.

### ▼ Same power... Extraordinary Space Savings!

Our system amplifiers take up less space than the equivalent subwoofer amplifier / satellite amplifier combination. Shown here is the VX1000/5i sitting on top of the VX400/4i + VX600/1i combo.









# HD Amplifiers: All in.

Cutting-edge switching technology delivers amazing fidelity and high output.



Small is great, of course... but not at the expense of power and sound quality. This is why our engineering team focused on achieving world-class fidelity first, and then on making the HD's amazingly powerful, efficient and small. These efforts led to a remarkable switching amplifier technology called Single Cycle Control™, which allows for all of these goals to be achieved.

This exclusive core amplifier technology is mated to our regulated, intelligent power supply (R.I.P.S.), advanced thermal management systems and a full complement of studio-grade processing features to put the all-new HD amplifiers in a performance class all their own.

We invite you to sonically compare the HD amplifiers to any amplifier, at any price. We think you will quickly discover that all the old amplifier compromises are suddenly irrelevant.

- Stackable chassis design (via optional HD Stack Kit, sold separately)
- Security cover for controls
- Removable power and speaker plugs
- RealSink™ thermal management



The remarkable R.I.P.S. System™ ensures consistent power delivery over a wide range of battery voltages and load impedances.

### Available Models:

- HD750/1:** Class D Monoblock Full-Range Amplifier  
1 x 750W @ 1.5 - 4 ohms
- HD1200/1:** Class D Monoblock Wide-Range Amplifier  
1 x 1200W @ 1.5 - 4 ohms
- HD600/4:** Class D Four-Channel Full-Range Amplifier  
4 x 150W @ 1.5 - 4 ohms per ch.  
2 x 300W @ 3 - 8 ohms per ch. bridged
- HD900/5:** Class D Five-Channel System Amplifier  
4 x 100W + 1 x 500W @ 4 ohms per ch.  
4 x 75W + 1 x 500W @ 2 ohms per ch.

Power with 11.0 - 14.5V supply voltage at less than 0.05% THD+N (RMS Method)

### Groundbreaking Switching Amplifier Technology: Single Cycle Control™

- Reference-grade sonic capabilities.
- Single Cycle Control™ technology corrects output in each and every switching cycle (over 400,000 times per second). This dramatically reduces distortion at high frequencies compared to other switching amplifiers.
- Exceptional efficiency (80% overall at 1/2 power) reduces current draw and heat, permitting reliable high power output within a very small, easy to install design.

### R.I.P.S. (Regulated, Intelligent Power Supply)

- All the power, all the time... tightly regulated, intelligent power supply maintains high power at any impedance from 1.5 - 4 ohms per channel and at any supply voltage from 11V - 14.5V.
- HD600/4 and HD900/5 offer independent R.I.P.S. optimization for each channel section.

### Studio-Grade Signal Processing

- Select shallow (12dB/octave) or steep (24dB/octave) high or low-pass filters to best integrate with subwoofers or component systems.
- Fully-variable frequency selection from 50-500 Hz with detented, calibrated potentiometer(s)
- Remote level control with HD-RLC controller (sold separately).
- Preamp outputs (except HD900/5)
- Infrasonic filter and Output Polarity Switch (HD750/1 and HD1200/1 only)

### Differential-Balanced Inputs

- NO NOISE! Outstanding noise rejection prevents alternator whine and other noises.
- Accepts speaker level signals, including those from factory systems, without a line-output converter.

### Advanced Rollback Protection and RealSink™

- Amplifier will never shut down due to thermal overload.
- Restores full power operation when it has cooled down to a safe temperature.
- Real finned heat sink is extremely effective and requires no fans.
- Multiple units can be stacked without compromising cooling effectiveness. (HD Stack Kit sold separately)

### Remote Level Control (HD-RLC)

With the addition of an HD-RLC you can control the overall level of the subwoofer channel or the whole amplifier from the driver's seat.



### Big power in small packages!

All HD amplifier models measure 1.93 in. x 10.74 in. x 8.29 in. (49 mm x 273 mm x 211 mm)



Security cover hides and protects controls



Lateral mounting feet create additional mounting flexibility.

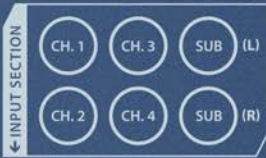




**JL AUDIO**  
**XDM700/5**  
 5-CHANNEL AMPLIFIER

**Turn-On Mode** Rem. | Offset | Signal  
**Remote Level Mode** All | Sub Ch.  
**Input Filter** Car | Boat  
**Input Mode** 2 Ch. | 4 Ch. | 6 Ch.

+12 VDC Ground Remote



CH. 1 & 2	CH. 3 & 4	SUB CH.
Input Sens. [Knob]	Input Sens. [Knob]	Input Sens. [Knob]
HP Filter Mode [Knob] 80, 120, 200, 500	Filter Mode [Knob] 80, 120, 200, 500	LP Filter Mode / Slope [Knob] 80, 120, 200, 500
Off   x1   x10	Off   BP   HP	Off   12dB   24dB
Filter Freq. (Hz)	HP Filter Freq. (Hz)	LP Filter Freq. (Hz)
CH. 1 (L) CH. 2 (R)	CH. 3 (L) CH. 4 (R)	Mono Subwoofer Output
+	+	+
-	-	-



# XDM Amplifiers: Pure excellence.

A brilliant combination of performance, versatility and compact size. 10 models to choose from.



In the XDM lineup, we unleash outstanding audio performance and versatility from amazingly small amplifiers, making it easier to achieve more attractive and creative installation solutions than ever before.

The core technology inside the XDM amplifiers is JL Audio's exclusive NexD™ switching circuitry. This advanced design achieves very high total amplifier efficiencies compared to a conventional, large amplifier, resulting in far less heat and less strain on your vehicle's electrical system. The NexD™ efficiency advantage, combined with state-of-the-art microelectronic components allows us to use very compact heat sinks, dramatically shrinking the overall size of the product, without sacrificing clean power output.

A rich complement of crossover and setup features is included with each model, including Remote Level Control functionality and our noise-killing differential-balanced input design. Also on-board is our Advanced Thermal Rollback Protection™ to completely eliminate annoying thermal shut-down events.

For maximum application flexibility, all XDM models offer the convenience of automatic turn-on (signal-sensing or DC-offset sensing), plus an exclusive, dual-mode input filter to optimize performance and compatibility in both automotive and marine applications.

**XDM amplifiers are the perfect solution for anyone seeking high-quality power in a flexible, space-conscious form-factor.**

### XDM Models

#### Monoblock Subwoofer Amplifiers

- XDM300/1:** 1 x 200W @ 4 ohms; 1 x 300W @ 2 ohms
- XDM600/1:** 1 x 400W @ 4 ohms; 1 x 600W @ 2 ohms
- XDM1000/1:** 1 x 500W @ 4 ohms; 1 x 1000W @ 2 ohms

#### Full-Range Multi-Channel Amplifiers

- XDM200/2:** 2 x 75W @ 4 ohms; 2 x 100W @ 2 ohms
- XDM400/4:** 4 x 75W @ 4 ohms; 4 x 100W @ 2 ohms
- XDM600/6:** 6 x 75W @ 4 ohms; 6 x 100W @ 2 ohms
- XDM800/8:** 8 x 75W @ 4 ohms; 8 x 100W @ 2 ohms

#### System Amplifiers

- XDM500/3:** 2 x 75W + 180W @ 4 ohms; 2 x 100W + 300W @ 2 ohms
- XDM700/5:** 4 x 75W + 180W @ 4 ohms; 4 x 100W + 300W @ 2 ohms
- XDM1000/5:** 4 x 75W + 400W @ 4 ohms; 4 x 100W + 600W @ 2 ohms

Power ratings for XDM amplifiers are based on the industry standard rating method (14.4V supply voltage w/ less than 1% THD+N, all channels driven, RMS method).

### NexD™ Switching Amplifier Technology

- Our latest generation of super-efficient switching amplifier technology generates incredible sonic performance with very little heat as a by-product of amplification and less current drawn from the vehicle's charging system.

### Studio-Grade Signal Processing

- Monoblock models and the subwoofer channels of the system amplifiers feature fully-variable low-pass filters with switchable slope: 12dB or 24dB/octave. (XDM300/1, XDM600/1, XDM1000/1, XDM500/3, XDM700/5 and XDM1000/5)
- Full-range, multi-channel models feature fully-variable, 12dB/octave filters, switchable from high-pass to low-pass. (XDM200/2, XDM400/4, XDM600/6 and XDM800/8)
- System amplifiers feature 12dB/octave high-pass filters on main channels. (XDM500/3, XDM700/5 and XDM1000/5)
- XDM700/5 and XDM1000/5 also features true 3-way crossover functionality (High-Pass, Bandpass, Low-Pass).
- Add Remote Level Control functionality to any model with the HD-RLC (sold separately).
- Pass-through preamp outputs on the following models: XDM200/2, XDM300/1, XDM400/4, XDM500/3, XDM600/1, XDM1000/1

### Differential-Balanced Inputs

- NO NOISE! Outstanding noise rejection prevents alternator whine and other noises.
- Accepts most speaker level signals, including those from most factory systems, without a line-output converter (LOC).

### Advanced Rollback Protection

- Gradually reduces power output when overheated to prevent annoying shut-down events. Restores full power operation when it has cooled down to a safe temperature.

Thanks to our Differential-Balanced Input Sections, all you will need to connect speaker level signals (including those from most factory systems) is a speaker wire to RCA adaptor like the JL Audio XD-CLRAIC2-SW). Performance-degrading line-output converters (LOC's) are typically not needed.



◀ XDM700/5 Control Panel: All controls are placed on the top of the amplifier beneath a gasketed, aluminum access panel.

### Incredibly compact & powerful.

Advanced NexD™ switching technology produces huge, clean power in half the space of conventional amplifiers! (XDM200/2 pictured)







**XDM200/2**  
200W, 2-channel  
full-range amplifier



**XDM400/4**  
400W, 4-channel  
full-range amplifier



**XDM600/6**  
600W, 6-channel  
full-range amplifier



**XDM800/8**  
800W, 8-channel  
full-range amplifier

### XDM Full-Range Multi-Channel Amplifiers



**XDM300/1**  
300W, monoblock  
subwoofer amplifier



**XDM600/1**  
600W, monoblock  
subwoofer amplifier



**XDM1000/1**  
1000W, monoblock  
subwoofer amplifier

### XDM Monoblock Subwoofer Amplifiers



**XDM500/3**  
500W, 3-channel  
system amplifier



**XDM700/5**  
700W, 5-channel  
system amplifier



**XDM1000/5**  
1000W, 5-channel  
system amplifier

### XDM System Amplifiers



### XDM Full-Range Multi-Channel Amplifiers

Whether you are building a simple two-channel system or a really sophisticated, multi-way setup with active filtering, we have an XDM full-range amplifier to fill almost any need.

Each channel pair offers a powerful 75W x 2 into 4 ohms, bridgeable to 200W x 2 into 4 ohms, for high-power applications. All you have to decide is how many channels you need, and then choose the appropriate model: 2-channel, 4-channel, 6-channel or 8-channel.

The amazing NexD™ switching technology enables the XDM's to amplify full-range audio with outstanding fidelity and efficiency. The latter helps minimize the size of the amplifier, making the XDM's easy to install in tight spaces.



### XDM Monoblock Subwoofer Amplifiers

XDM monoblock subwoofer amplifiers are built for bass and bass alone. All models feature a specialized low frequency variant of our NexD™ switching technology to produce impressive power with extremely high efficiency.

Achieving great-sounding, reliable sub-bass performance requires the right amount of clean, controlled power for each application. This is why we offer three models of monoblocks, capable of producing up to 300, 600 or 1000 watts of power for your subwoofer system.

Consult with your authorized dealer to determine the best match for your subwoofer configuration.

### Ultra-Compact Footprint

Incredible amounts of clean power per cubic inch!

- **XDM300/1, XDM200/2:**  
2.05 in. x 6.85 in. x 7.09 in. (52 mm x 174 mm x 180 mm)
- **XDM600/1, XDM400/4 & XDM500/3:**  
2.05 in. x 8.52 in. x 7.09 in. (52 mm x 217 mm x 180 mm)
- **XDM600/6 & XDM700/5:**  
2.05 in. x 10.23 in. x 7.09 in. (52 mm x 260 mm x 180 mm)
- **XDM800/8, XDM1000/5 & XDM1000/1:**  
2.05 in. x 14.73 in. x 7.09 in. (52 mm x 374 mm x 180 mm)

### ▼ Same power... Less Space!

Our system amplifiers take up less space than the equivalent subwoofer amplifier / satellite amplifier combination. Shown here is the XDM1000/5 sitting on top of the XDM600/1 + XDM400/4 combo.

### XDM System Amplifiers

XDM System Amplifiers are designed to run a complete subwoofer + satellite audio system, with active crossover functionality built-in. Each model features a dedicated subwoofer channel, plus one or two pairs of full-range channels to drive component speaker systems.

For systems requiring moderate subwoofer power, the XDM500/3 and XDM700/5 offer up to 300 watts of clean subwoofer-channel power, plus 75 watts into each full-range channel.

For more power-capable subwoofer systems, opt for the XDM1000/5. This powerhouse delivers up to 600 watts of subwoofer power, plus 4 x 75 watts of crystal-clear sound for your component speaker systems.

The XDM700/5 and XDM1000/5 also offer true 3-way crossover functionality, allowing you to run an active crossover between component woofers and tweeters, if desired.









# RD Amplifiers: Lust is appropriate.

Sleek, powerful and packed with value.



Utilizing JL Audio's ultra-efficient NexD™ switching technologies developed for our acclaimed XDv2 and HD amplifiers, RD amplifiers are engineered to produce loads of power with reduced current draw and heat. Each model includes a host of flexible onboard features and sports a modern industrial design.

For ease of installation and making adjustments, all connections are placed along one side of the amplifier with the controls on top, concealed beneath a removable protective cover. Studio-grade signal processing comes standard on all models along with automatic turn-on capabilities (signal-sensing or DC-offset sensing). Differential-balanced inputs are also on-hand to combat noise and maximize compatibility and are capable of accepting a wide range of signal types.

All RD amplifiers are equipped with onboard LED clipping indicators to simplify installation and setup. This handy feature lets you easily set your amplifier's input sensitivity settings, quickly and accurately, with no special equipment needed. Input type switches are included with all stereo output channels, eliminating the need for Y-adaptors when bridging. Bass output is easily controlled from the driver's seat with the addition of an optional RBC-1 Remote Level Control (sold separately).

**RD amplifiers deliver outstanding amplifier performance and versatility with unprecedented value.**

### Same power... Less Space! ▶

The RD900/5 system amplifier takes up less space than the equivalent subwoofer/satellite amplifier combination. Shown here sitting on top of the RD400/4 + RD500/1 combo.

### RD Models

#### Monoblock Subwoofer Amplifiers

- RD500/1:** 1 x 250W @ 4 ohms; 1 x 500W @ 2 ohms
- RD1000/1:** 1 x 600W @ 4 ohms; 1 x 1000W @ 2 ohms
- RD1500/1:** **Compatible with 1-ohm loads!**  
1 x 750W @ 4 ohms; 1 x 1500W @ 1 - 2 ohms

#### Full-Range Multi-Channel Amplifiers

- RD400/4:** 4 x 75W @ 4 ohms; 4 x 100W @ 2 ohms

#### System Amplifiers

- RD900/5:** 4 x 70W + 225W @ 4 ohms;  
4 x 100W + 500W @ 2 ohms

Power ratings for RD amplifiers are based on the industry standard rating method (14.4V supply voltage w/ less than 1% THD+N, all channels driven, RMS method).

### NexD™ Switching Amplifier Technology

- Our latest generation of super-efficient switching amplifier technology generates incredible sonic performance with very little heat as a by-product of amplification and less current drawn from the vehicle's charging system.

### Studio-Grade Signal Processing

- Monoblock models feature fully-variable, 12dB/octave low-pass filters from 50-500 Hz, plus an adjustable Bass Boost EQ. (RD500/1, RD1000/1, RD1500/1)
- Full-range, multi-channel models feature fully-variable, 12dB/octave filters from 50-500 Hz, switchable from high-pass to low-pass. (RD400/4)
- System amplifiers feature fully-variable, 12dB/octave high-pass filters from 50-500 Hz on main channels, plus a fully-variable, 12dB/octave low-pass filter from 50-500 Hz on the sub channel. (RD900/5)
- Pass-through preamp outputs available on all models, except RD900/5
- Add Remote Level Control functionality with the RBC-1 (sold separately, all models except RD400/4).

### Dual-Range Differential-Balanced Inputs

- NO NOISE! Outstanding noise rejection prevents alternator whine and other noises.
- Can accept most speaker level signals, including those from most factory systems, without a line-output converter (LOC).

### Easy-to-use LED clipping indicators streamline the input level setting process.

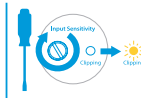
The new RD amplifiers are equipped with onboard LED-clipping indicators. This innovative feature lets you easily set each amplifier's input sensitivity setting(s), quickly and accurately, without any special equipment, in three easy steps:



Play a sine wave test tone in the frequency range to be amplified by the amplifier channel(s).



Set the source unit volume to 3/4 of full volume. This will allow for reasonable gain overlap with moderate clipping at full volume.



Slowly increase the "Input Sensitivity" control until the "Clipping" LED is solidly lit, indicating maximum, unclipped output.

**EASY!**

That's it! The input sensitivities are now accurately set.



### Remote Level Control (RBC-1)

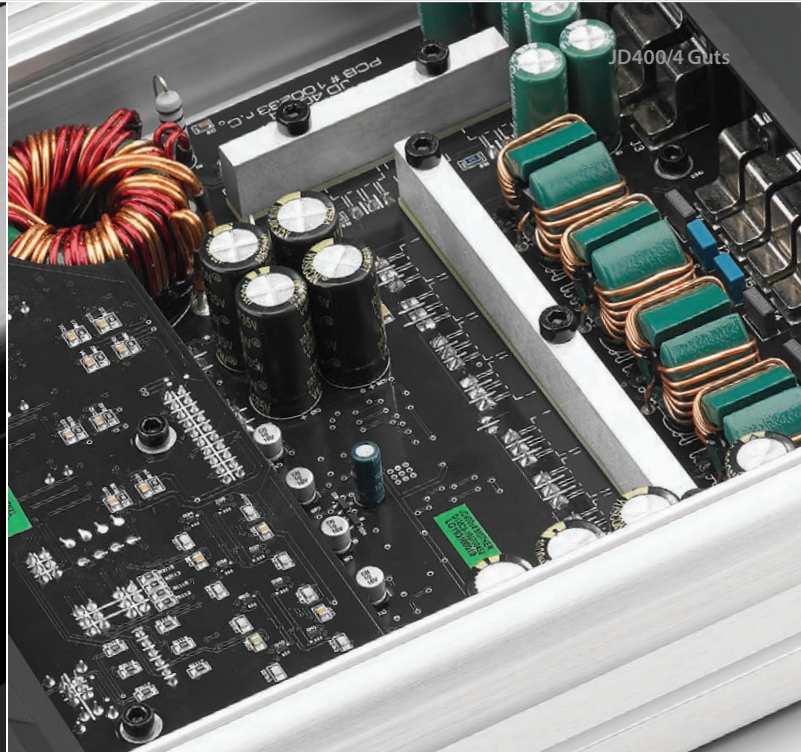
With the addition of an RBC-1 (sold separately), you can control the subwoofer level from the front of the vehicle (sub channel & monoblock models only).

### Dual-Color Status LED Strip

Top-mounted, bi-color LED strip reports the amplifier's operating condition and protection status.









# JD Amplifiers: All motor.

Affordable excellence for a wide range of system applications.



JD amplifiers apply our core amplifier technologies and a generous feature set to deliver amazing sound and performance, at very affordable prices.

Instead of spending excessive dollars on glitzy trim like most of their competition, JD amplifiers offer a clean, simple design and pack tons of value on the inside, where it counts.

Our exclusive NexD™ high-speed switching circuitry is on-board to efficiently generate loads of clean power, with less heat output and burden on your vehicle's electrical system. All JD amplifier models include our dual-range, differential-balanced inputs for excellent noise rejection and compatibility with a wide range of input signals. The convenience of automatic turn-on (signal-sensing or DC-offset sensing) is also included in all JD amplifiers.

To simplify installation and setup, built-in LED clipping indicator rings make it easy to set each amplifier's input sensitivity setting, quickly and accurately, with no special equipment needed.

Monoblock JD models feature a bass boost EQ, plus a port to connect an optional RBC-1 wired remote (sold separately), for easy bass level adjustments from the driver's seat.

**It's all in there.**



JD400/4 Control Panel

### Easy-to-use LED clipping indicators streamline the input level setting process.

The new JD amplifiers are equipped with onboard LED-clipping indicator rings surrounding the input sensitivity controls. This innovative feature lets you easily set each amplifier's input sensitivity setting(s), quickly and accurately, without any special equipment, in three easy steps:

<p><b>TEST TONE</b></p> <p>Play a sine wave test tone in the frequency range to be amplified by the amplifier channel(s).</p>	<p><b>3/4 VOL</b></p> <p>Set the source unit volume to 3/4 of full volume. This will allow for reasonable gain overlap with moderate clipping at full volume.</p>	<p><b>EASY!</b></p> <p>Slowly increase the "Input Sensitivity" control until the "Clipping" LED trim ring is solidly lit, indicating maximum, unclipped output.</p>	<p><b>EASY!</b></p> <p><b>That's it!</b> The input sensitivities are now accurately set.</p>
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### Remote Level Control (RBC-1)

With the addition of an RBC-1 (sold separately), you can control the subwoofer level from the front of the vehicle (monoblock models only).



### JD Models

#### Monoblock Subwoofer Amplifiers

- JD250/1: 150W x 1 @ 4 ohms / 250W x 1 @ 2 ohms
- JD500/1: 1 x 250W @ 4 ohms / 1 x 500W @ 2 ohms
- JD1000/1: 1 x 600W @ 4 ohms / 1 x 1000W @ 2 ohms

#### Full-Range Amplifiers

- JD400/4: 4 x 75W @ 4 ohms / 4 x 100W @ 2 ohms

Power ratings for JD amplifiers based on the "industry standard" rating method (14.4 V supply voltage w/less than 1% THD+N, all channels driven, RMS method).

### NexD™ Switching Amplifier Technology

- Delivers outstanding fidelity with very low noise and distortion.
- Exceptional efficiency reduces current draw and heat.

### Complete Signal Processing Sections

- Monoblock models feature fully-variable, 12dB/octave low-pass filters from 50-500 Hz, plus an adjustable Bass Boost EQ. (JD250/1, JD500/1, JD1000/1)
- Full-range, multi-channel models features fully-variable, 12dB/octave filters from 50-500 Hz, switchable from high-pass to low-pass. (JD400/4)
- Pass-through preamp outputs available on all models.
- Add Remote Level Control functionality with the RBC-1 (sold separately, all models except JD400/4).

### Dual-Range, Differential-Balanced Inputs

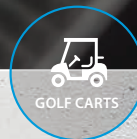
- NO NOISE! Outstanding noise rejection prevents alternator whine and other noises.
- Accepts line-level signals or speaker level signals, without a line-output converter (200mV - 8V RMS).

### High-Mass Heatsink

- A heavy extruded aluminum design enhances reliability and thermal operating capacity.



IDEAL FOR:







# MX Amplifiers: Play anywhere.

Ultra-compact, powerful and weatherproof.



Engineered for all-weather versatility, MX amplifiers employ our highly-efficient NexD™ Class D technology to generate lots of clean power, without straining charging systems.

Housed in tiny, cast aluminum chassis, MX amplifiers are corrosion resistant and boast an IPX7 water-resistance rating, making them ideal for almost any application, even those where moisture cannot be completely avoided, such as powersports, motorcycle and marine installations.

All models include flexible crossover filters and accept a wide range of input signals, from line-level all the way to high-power speaker level signals.

The 4-channel MX280/4 delivers a clean 50W x 4 and the MX500/4 produces a strong 70W x 4 into 4 ohms. Even more power is dispensed into 2 ohm loads, 70W x 4 with the MX280/4 and 125W x 4 with the MX500/4. Both models are fully bridgeable and can be used as a 3-channel amplifier, or as a 2-channel amplifier producing potent stereo output.

The monoblock MX300/1 generates 300W into 2 ohms, while its big brother, the MX500/1 produces a whopping 500W of rock-solid power into 2 ohms. Onboard controls include a bass boost EQ, output polarity switch and variable infrasonic filter. An optional M-RBC-1 Remote Level Control (sold separately) can be used to control bass output from the helm or driver's seat.

The 3-channel MX600/3 offers an all-in-one, total system power solution, producing 75W x 2 into 4 ohms, with a hardy 400W of subwoofer output power into 2 ohms.

**No matter where you like to play, MX amplifiers are ready to power your soundtrack!**



### Water-Resistant Remote Level Control (M-RBC-1)

With the addition of the optional M-RBC-1 (sold separately), you can remotely control the level of a subwoofer connected to the MX300/1, MX500/1 or the MX600/3.

### MX Models

#### Monoblock Subwoofer Amplifiers

- MX300/1:** 1 x 160W @ 4 ohms; 1 x 300W @ 2 ohms
- MX500/1:** 1 x 300W @ 4 ohms; 1 x 500W @ 2 ohms

#### Full-Range Multi-Channel Amplifiers

- MX280/4:** 4 x 50W @ 4 ohms; 4 x 75W @ 2 ohms
- MX500/4:** 4 x 70W @ 4 ohms; 4 x 125W @ 2 ohms

#### System Amplifiers

- MX600/3:** 2 x 75W + 250W @ 4 ohms; 2 x 100W + 400W @ 4 ohms

Power ratings for MX amplifiers are based on the industry standard rating method (14.4V supply voltage w/ less than 1% THD+N, all channels driven, RMS method).

### Engineered for Extreme Applications

- Perfect for most outdoor installations (IPX7 rated)
- Rugged, unitary cast alloy chassis design with shock-resistant construction
- All controls protected beneath a gasketed cover

### NexD™ Switching Amplifier Technology

- Delivers outstanding fidelity with very low noise and distortion.
- Ultra-efficient design reduces current draw and heat for reliable power output within a very small size.

### Dual-Range Differential-Balanced Inputs

- **NO NOISE!** Outstanding noise rejection prevents alternator whine and other noises.
- Dual-range operation. Accepts line-level signals or speaker level signals, without a line-output converter (200mV - 8V RMS).

### Complete Signal Processing

- Monoblock models feature fully-variable, 24dB/octave low-pass filters, adjustable Bass Boost EQ, 12dB/octave infrasonic filter and output polarity switch. (MX300/1, MX500/1)
  - Full-range, multi-channel models feature fully-variable, 12dB/octave filters, switchable from high-pass to low-pass. (MX280/4, MX500/4)
  - System amplifiers: Fully-variable, 12dB/octave high-pass filter on the main channels, plus a fully-variable, 24dB/octave low-pass filter on the sub channel with adjustable Bass Boost EQ, 12dB/octave infrasonic filter and output polarity switch. (MX600/3)
  - Two remote, subwoofer level controller options available: (each sold separately)
    - RBC-1** (standard design)
    - M-RBC-1** (water-resistant, IPX6 rated design)
- (all models except MX280/4 & MX500/4)



MX600/3

### Tiny Footprint

Incredible amounts of clean power per cubic inch!

- **MX300/1, MX280/4:**  
1.77 in. x 8.66 in. x 3.09 in. (45 mm x 220 mm x 79 mm)
- **MX500/1, MX500/4, MX600/3:**  
1.77 in. x 9.33 in. x 4.50 in. (45 mm x 237 mm x 115 mm)







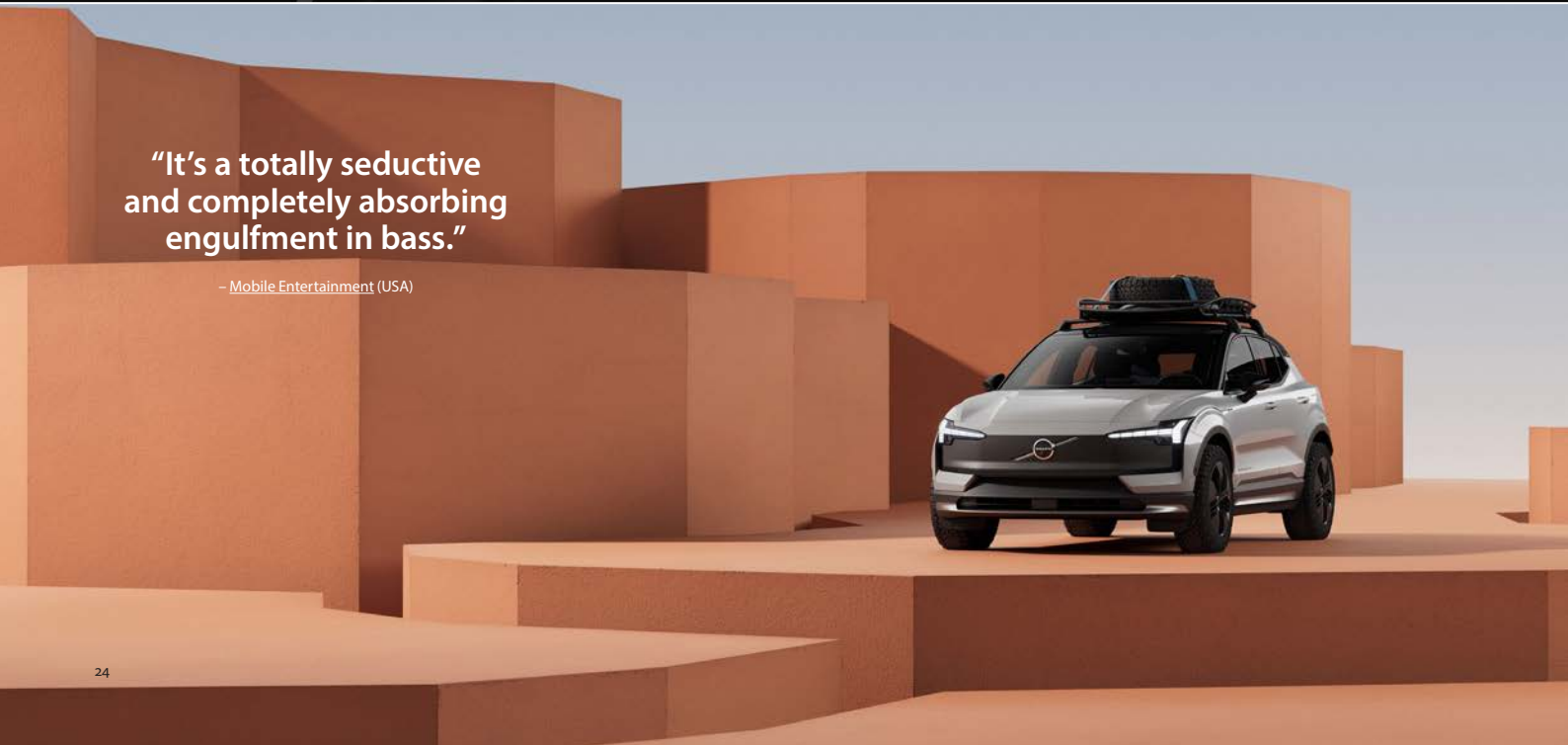
**“Simply put,  
the JL Audio 8W7  
is the best damn  
8-inch subwoofer  
ever made.”**

– Car Sound & Performance (USA)



**“This gives an all round performance of  
such high quality on every level that bettering it  
will be very hard to achieve.”**

– Total Car Audio (UK)



**“It’s a totally seductive  
and completely absorbing  
engulfment in bass.”**

– Mobile Entertainment (USA)



# W7AE: Tight

The ultimate, no-compromise subwoofer for those seeking extreme output and sublime sound quality.



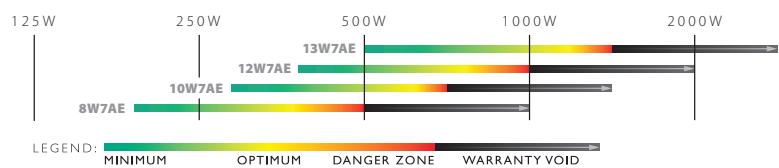
The JL Audio W7AE defines the reference for high-performance sub-bass.

The W7AE's unique proposition is its ability to deliver extreme output, accurate dynamics and sublime sound quality... all at the same time. The keys to these performance capabilities lie at the very core of loudspeaker design, where electromagnetic and mechanical behaviors combine in fiendishly complex ways. JL Audio's intense research into these behaviors allows us to optimize W7AE motor and suspension systems to faithfully reproduce every bass detail with unparalleled linearity and accuracy.

Variants of the automotive W7AE's are used in our ultra-premium Fathom® and Gotham® powered home subwoofers. These have received stellar ratings from the world's leading reviewers and are in daily use at some of the world's top recording and mastering studios.

Multiple U.S. Patents have been issued for motor, suspension and assembly technologies used in the W7AE's. All of these combine to create the overwhelming advantages that the W7AE's bring to the forefront.

Every W7AE subwoofer is built, with global component, and to exacting quality standards in our Miramar, Florida factory, manifesting our passionate pursuit of truly great audio.



“...this speaker will do cataclysmic wave fronts — that happen at the front of the bass hit, something that is utterly profound.”

— [Fast Cars \(UK\)](#)

### Available Models / Rec. Power Range/Impedance

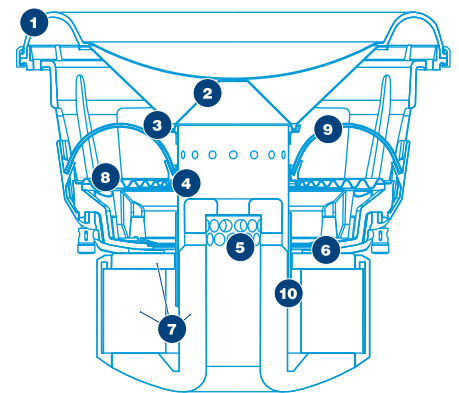
- 8W7AE: 8-inch, 200-500W RMS, 3Ω
- 10W7AE: 10-inch, 300-750W RMS, 3Ω
- 12W7AE: 12-inch, 400-1000W RMS, 3Ω
- 13W7AE: 13.5-inch, 500-1500W RMS, Dual 1.5Ω

### Recommended Sealed Enclosure Volume

- 8W7AE: 0.875 cu. ft.
- 10W7AE: 1.25 cu. ft.
- 12W7AE: 1.375 cu. ft.
- 13W7AE: 1.875 cu. ft.

### Key Technologies:

- **W-Cone** = low mass with excellent stiffness
- **OverRoll Surround** = extreme excursion without losing cone area
- **Radial-Drilled Pole Piece** = improved power handling by venting interior of gap
- **Elevated Frame Cooling System** = improved power handling by venting coil directly
- **FCAM Assembly System** = improved moving parts alignment
- **Patented Lead Wire Management System** = improved lead wire reliability with no effect on spider
- **Plateau Reinforced Spider Attach (RC)** = mechanical reinforcement of spider attachment
- **DMA-optimized motor systems** = lower distortion & higher output
- **Highly linear, FEA-optimized suspension systems** = lower distortion and improved reliability



- 1 - OverRoll™ Surround
- 2 - W-Cone™
- 3 - Floating-Cone™ Attach Method
- 4 - Plateau-Reinforced Spider Attachment
- 5 - Radially Cross-Drilled Pole Piece
- 6 - Massive Forced-Air-Cooled Aluminum Alloy Frame
- 7 - Highly Linear, DMA-Optimized Motor System
- 8 - Huge Diameter, Progressive-Roll Spider
- 9 - Co-Extruded Double Lead-Wires
- 10 - Ultra-Long Voice Coil

### AE: Anniversary Edition

Beginning with the tenth anniversary of the introduction of our flagship automotive subwoofers, every W7 model is built in “Anniversary Edition” (AE) trim, with a satin black frame finish and special badging.





“... the best sounding  
subwoofer that I have  
tested for CA&E.”

– Eric Holdaway, Car Audio & Electronics (USA), March 2004







# W6v3: Small box excellence ... redefined.

Unparalleled subwoofer fidelity and excellent output in very compact sealed enclosures.

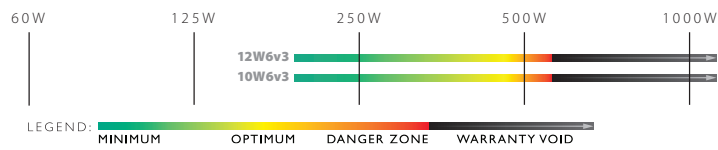


Since 1993, JL Audio W6 subwoofers have consistently defined bass excellence in small enclosures.

W6v3's introduce a slew of advances aimed at extending this tradition. These upgrades generate very noticeable performance increases in the form of greater output, sharper dynamics and improved overall sound quality.

The hearts of the W6v3's are their motor systems, featuring larger field plates and magnet assemblies than those used on v2's. These more powerful motor systems have been critically refined via JL Audio's proprietary DMA system to deliver exceptional linear excursion and dynamic stability. Further enhancing performance is a new motor cooling circuit design, featuring an innovative pole vent designed to improve cooling efficiency and reduce power compression. The voice coil configuration is a dual 4 ohm design with a terminal jumper system to allow parallel or series wiring.

W6v3 suspensions feature a wide rubber surround and a progressive-roll spider to control the increased excursion capability. The dual skin cone bodies include a silver accent ring that creates a classy look in combination with the satin black cast alloy basket.



### Available Models / Rec. Power Range/Impedance

- 10W6v3: 10-inch, 200-600W RMS, Dual 4Ω
- 12W6v3: 12-inch, 200-600W RMS, Dual 4Ω

### Small Sealed Enclosure Volume Requirements

- 10W6v3: 0.55 cu. ft.
- 12W6v3: 1.00 cu. ft.

### Key Technologies:

- **Innovative PVAC Pole Vent Airflow Control** = efficiently channels air around the voice coil
- **Elevated Frame Cooling System** = improved power handling by venting coil directly
- **Patented Lead Wire Management System** = improved lead wire reliability with no effect on spider
- **DMA-optimized motor systems** = lower distortion & higher output
- **Highly linear, FEA-optimized suspension systems** = lower distortion & improved reliability
- **FCAM Assembly System** = improved moving parts alignment



Shown with grille mesh insert installed (sold separately)

Rear of motor assembly, showing the PVAC cooling structure



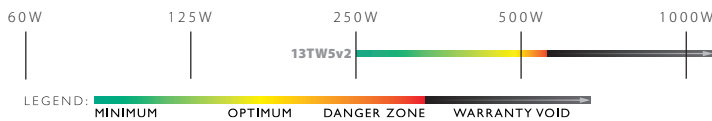






# 13TW5v2: Think thin . . . forget weak.

The thinnest subwoofer in its class delivers real JL Audio performance in difficult spaces.



We couldn't leave the ultimate thin woofer alone... we had to make it even better.

Our exclusive thin-line woofer technology compresses the architecture of the 13TW5v2 using a "concentric tube" structure that supports the 7-inch diameter voice coil and the suspension attachments. This permits placement of the large motor structure much further forward in the speaker than with conventional designs, while allowing excellent linear excursion capability and mechanical stability.

To unleash even more performance from this technology, the v2 improves upon the original 13TW5 with 13% greater linear excursion capability. The cast alloy chassis has also been modified for greater strength, and the redesigned motor now features an annular vent. The v2 is also available in single 2 ohm and single 4 ohm voice coil versions to fit a wide range of applications.

In keeping with its "tight-spaces" mission, the 13TW5v2 is optimized for enclosures that are far smaller than most 12-inch woofers require and only a bit larger than the air space needs of a typical, small-box 10-inch woofer. The mounting system is designed to fit in about the same footprint as a typical 12-inch woofer.



**ONLY  
25/8  
INCHES  
THIN!**  
(mounting depth)

### Available Models / Recommended Power Range

**13TW5v2:** 13.5-inch, 250-600W RMS  
See page 58 for available impedances.

### Small Sealed Enclosure Volume Requirements

**13TW5v2:** 0.80 cu. ft.

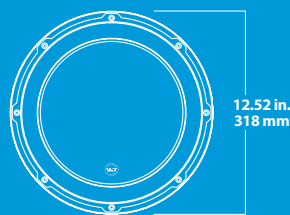
### Key Technologies:

- **Concentric Tube Suspension Design** = permits shallow depth with excellent excursion
- **FCAM Assembly System** = improved moving parts alignment
- **DMA-optimized motor systems** = lower distortion & higher output
- **Highly linear, FEA-optimized suspension systems** = lower distortion & improved reliability
- **Extremely Shallow Mounting Depth** only 2.63 inches thin
- **Extremely Small Sealed Enclosure Volume Requirements**

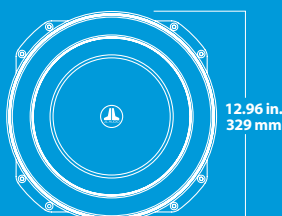
## Not much bigger than a 12-inch.

(Only 0.44 in. / 11.2 mm)

"Tab-Ear" frame design allows the 13TW5 to fit where a conventional 12-inch woofer fits.



12W3v3 (12 in. Subwoofer)

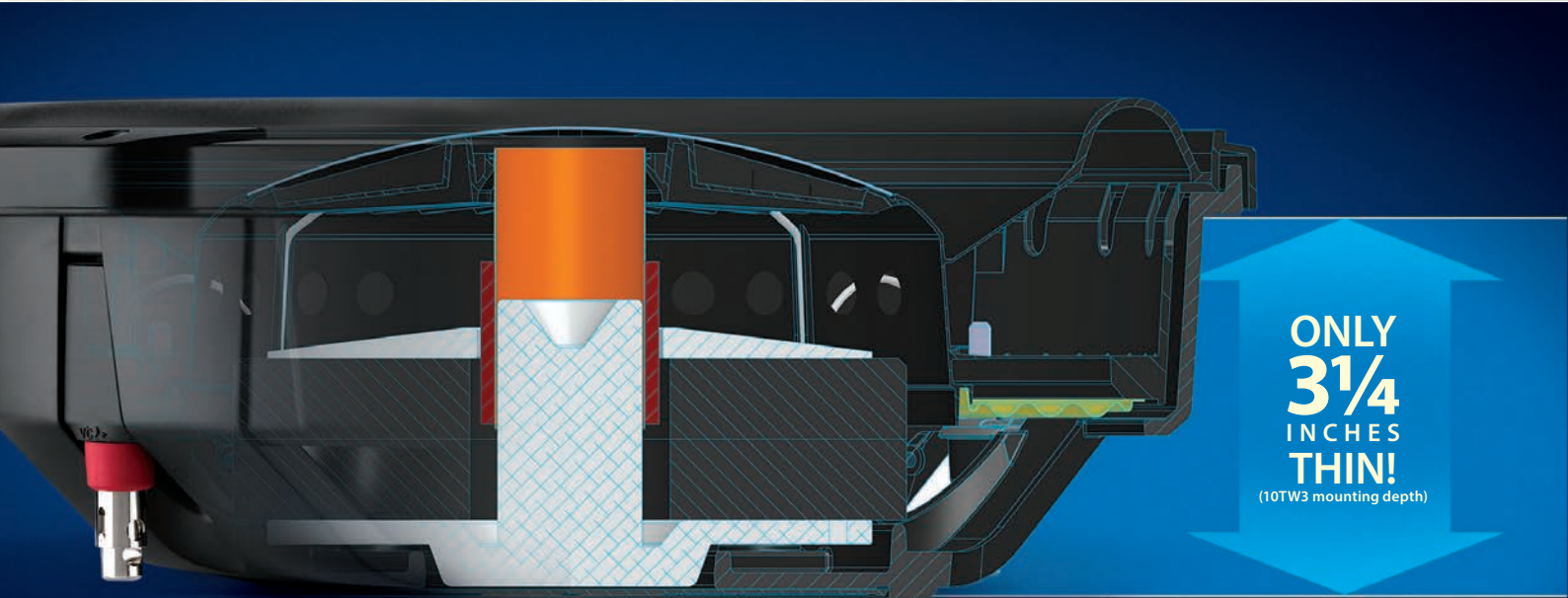


13TW5v2 (13.5 in. Subwoofer)

**Never has such high-quality sub-bass been possible with such a thin woofer.**





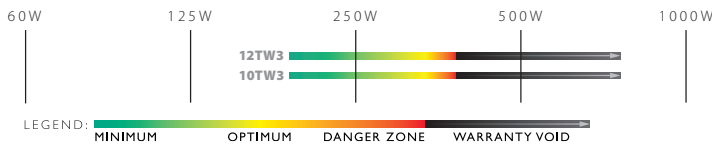






## TW3: Old rules no longer apply.

Astonishing performance. Outstanding sound quality. Amazingly shallow and easy to fit.



Building on the core technology of our TW5v2 thin-line subwoofers, the TW3's deliver a powerful combination of shallow mounting depth and excursion capability. In fact, they are capable of greater linear excursion than the TW5v2's and the much deeper W3v3's.

To allow this remarkable feat to be achieved, JL Audio's exclusive thin-line woofer technology compresses the architecture of the TW3's using a "concentric tube" structure built into the injection-molded cone body. This structure supports the voice coil and a full annular spider, while permitting the placement of the large motor structure further forward in the speaker than with conventional designs.

TW3's are optimized for extremely small enclosures and offer our tab-ear mounting design to maximize cone area within their mounting footprints.



**Deep, powerful and accurate  
JL Audio bass is now possible in more  
applications than ever before.**

### Available Models / Rec. Power Range/Impedance

- 10TW3-D4: 10-inch, 100-400W RMS, Dual 4Ω
- 10TW3-D8: 10-inch, 100-400W RMS, Dual 8Ω
- 12TW3-D4: 12-inch, 100-400W RMS, Dual 4Ω
- 12TW3-D8: 12-inch, 100-400W RMS, Dual 8Ω

### Small Sealed Enclosure Volume Requirements

- 10TW3-D4: 0.50 cu. ft.
- 10TW3-D8: 0.575 cu. ft.
- 12TW3-D4: 0.80 cu. ft.
- 12TW3-D8: 1.00 cu. ft.

### Mounting Depth

- 10TW3: 3.25 in (83 mm)
- 12TW3: 3.50 in (89 mm)

### Key Technologies:

- **Concentric Tube Suspension Design** = permits shallow depth with excellent excursion
- **DMA-optimized motor systems** = lower distortion & higher output
- **Highly linear, FEA-optimized suspension systems** = lower distortion & improved reliability
- **Extremely Shallow Mounting Depth** only 3.25 inches thin for the 10TW3
- **Extremely Small Sealed Enclosure Volume Requirements**







There's no replacement  
for displacement.



Our 13.5-inch subwoofers  
deliver the most bang  
for your buck, every time!

13W3v3 can move **54%** more  
air than a 12W3v3.

13W7AE can move **39%**  
more air than a 12W7AE.

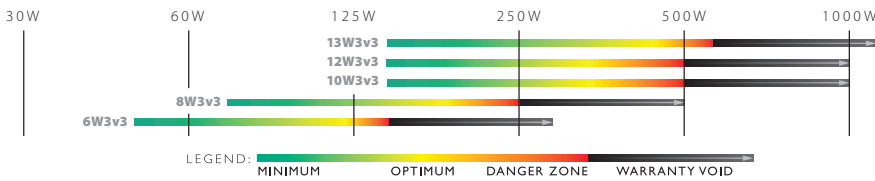






# W3v3: Loaded.

Excellent performance in small enclosures at medium power levels.



The JL Audio W3 subwoofers have always offered phenomenal performance at medium power levels. The latest generation of W3's raises the bar even higher, benefitting from a whole suite of innovative technologies, originally developed for our flagship W7AE's.

DMA-optimized, long linear excursion capability minimizes distortion and increases output while multiple advanced technologies enhance performance and reliability. These advances make the v3's the best sounding, most reliable W3's yet.

W3v3's are superb performers in compact sealed or ported enclosures. They are built to exacting quality standards in our Miramar, Florida factory and are offered in five sizes, ranging from 6.5-inch to 13.5-inch nominal diameters.



### Available Models / Recommended Power Range

- 6W3v3: 6.5-inch, 50-150W RMS
  - 8W3v3: 8-inch, 75-250W RMS
  - 10W3v3: 10-inch, 150-500W RMS
  - 12W3v3: 12-inch, 150-500W RMS
  - 13W3v3: 13.5-inch, 150-600W RMS
- See page 58 for available impedances.

### Small Sealed Enclosure Volume Requirements

- 6W3v3: 0.15 cu. ft.
- 8W3v3: 0.30 cu. ft.
- 10W3v3: 0.625 cu. ft.
- 12W3v3: 1.25 cu. ft.
- 13W3v3: 1.75 cu. ft.

### Key Technologies:

- **Elevated Frame Cooling System** = improved power handling by venting coil directly
- **Vented Reinforcement Collar (VRC)** = higher power handling & mechanical reinforcement of critical joints
- **FCAM Assembly System** = improved moving parts alignment
- **Patented Lead Wire Management System** = improved lead wire reliability with no effect on spider
- **DMA-optimized motor systems** = lower distortion & higher output
- **Highly linear, FEA-optimized suspension systems** = lower distortion & improved reliability
- **Integrated Spider & Terminal Ring** = mechanically reinforces spider joints

Shown with grille mesh insert installed (sold separately)

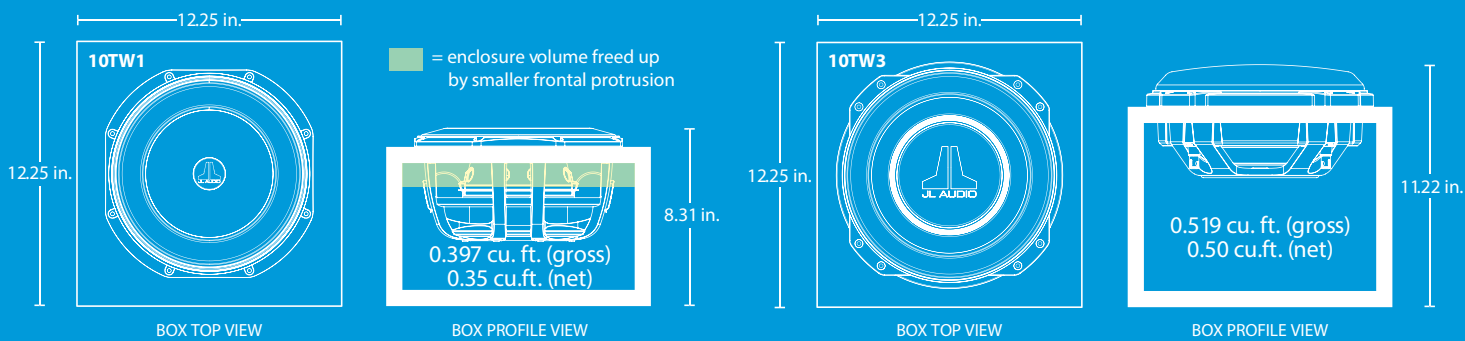






## 10TW1 vs 10TW3 total enclosure size analysis: 26% smaller than 10TW3!

Recommended Sealed Enclosures, 3/4-inch wall thickness



BOX TOP VIEW

BOX PROFILE VIEW

BOX TOP VIEW

BOX PROFILE VIEW

### 10TW1 Enclosure

Total Package Volume: 0.72 cu. ft.

### 10TW3 Enclosure

Total Package Volume: 0.97 cu. ft.





## TW1: Let's shake things up again. Designed to excel in previously impossible spaces.



TW1 subwoofers are built in our Miramar, Florida factory and offer a powerful combination of shallow mounting depth, minimal frontal clearance and insanely small enclosure requirements. This makes them an outstanding choice for the tightest space applications.

Optimized for enclosures much smaller than any other JL Audio subwoofers, TW1's never sound like a big woofer struggling in a tiny box...instead, they deliver all the rich, deep, controlled bass you have come to expect from a JL Audio subwoofer system.

JL Audio's state-of-the-art Concentric Tube Suspension technology compresses mounting depth, using a "concentric tube" structure built into the injection-molded cone body, to deliver outstanding excursion capability and maximum performance potential.

TW1's also employ a clever frame design that recesses the suspension attachment surface so that most of the forward excursion occurs within the frame's dimensions. The result is a minimal frontal clearance of only 0.87 inches (22 mm), even with the supplied grille installed.



### Available Models / Recommended Power Range

**10TW1:** 10-inch, 75-300W RMS  
**12TW1:** 12-inch, 75-300W RMS  
 See page 58 for available impedances.

### Small Sealed Enclosure Volume Requirements

**10TW1:** 0.35 cu. ft.  
**12TW1:** 0.65 cu. ft.

### Mounting Depth

**10TW1:** 4.36 in (111 mm)  
**12TW1:** 4.62 in (117 mm)

### Key Technologies:

- **DMA-optimized motor systems** = lower distortion & higher output
- **Highly linear, FEA-optimized suspension systems** = lower distortion & improved reliability
- **Extremely Shallow Mounting Depth** only 4.36 inches for the 10TW1
- **Extremely Small Sealed Enclosure Volume Requirements**
- **Concentric Tube Suspension Design**
- **Patented Lead Wire Management System** = improved lead wire reliability with no effect on spider

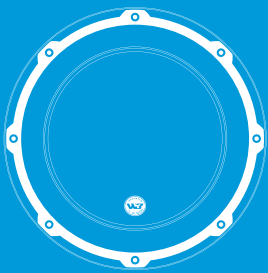


This more efficient use of space and increased enclosure volume within a given overall depth makes TW1 subwoofers a perfect choice for under-seat installations in trucks, 2-seat sports cars and many other creative applications requiring a compact, low-profile subwoofer design.





## Customizable Trim Ring



Available on

**W6v3, W3v3 & W1v3 models.**

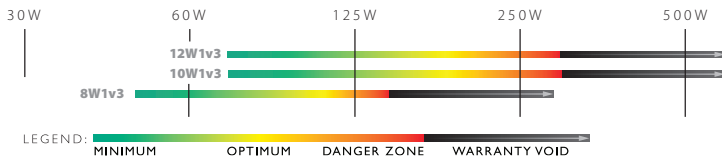
This removable ring can be painted to match the installation theme and is also designed as a receptacle for grille mesh inserts (sold separately).





# W1v3: Deeper thinking.

Ideal for moderate power, small enclosure applications.



W1v3's share many innovative features with our premium subwoofers, including our VRC™, Elevated-Frame Cooling and Floating Cone Attach Method™ technologies. As with JL Audio's flagship drivers, development for these woofers was guided by JL Audio's proprietary DMA modeling system to deliver superior dynamic stability and low distortion within their intended power envelope.

All this "good stuff" comes together to deliver output, sound quality and reliability that would be hard to find at twice the price!

A striking injection-molded, black mica-filled polypropylene cone is finished with an aluminum dust-cap, emblazoned with a JL Audio logo for a classy look. A removable (and customizable) mounting flange trim ring receives grille-mesh inserts directly, without the need for additional grille hardware. (Grille mesh inserts are sold separately.)



**10W1v3:**  
only 4.6 inches  
mounting depth!

### Available Models / Recommended Power Range

- 8W1v3: 8-inch, 50-150W RMS
  - 10W1v3: 10-inch, 75-300W RMS
  - 12W1v3: 12-inch, 75-300W RMS
- See page 58 for available impedances.

### Small Sealed Enclosure Volume Requirements

- 8W1v3: 0.25-0.35 cu. ft.
- 10W1v3: 0.55 cu. ft.
- 12W1v3: 1.10 cu. ft.

### Key Technologies:

- **Elevated Frame Cooling System** = improved power handling by venting coil directly
- **Vented Reinforcement Collar (VRC)** = higher power handling & mechanical reinforcement of critical joints
- **FCAM Assembly System** = improved moving parts alignment
- **Patented Lead Wire Management System** = improved lead wire reliability with no effect on spider
- **DMA-optimized motor systems** = lower distortion & higher output
- **Highly linear, FEA-optimized suspension systems** = lower distortion & improved reliability
- **Integrated Spider & Terminal Ring** = mechanical reinforcement for spider joints

Shown with grille mesh insert installed (sold separately)





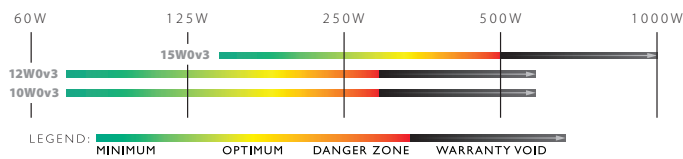






## W0v3: Absolute beasts.

You simply won't find a better performing woofer in its price class!



The term "overbuilt" gets thrown around a lot, but in the case of the W0v3's, it actually applies.

With beefy 2.0 or 2.5-inch voice coils and our Elevated-Frame Cooling™, they're certainly capable of handling power. They also offer best-in-class excursion capability, with motors refined using our exclusive DMA modeling system for increased output and better sound quality.

In simple terms, when the going gets loud, the W0v3's are built to perform like no other woofers in their price class, making them the "go to" choice for those seeking high performance from an affordable subwoofer system.

### Available Models / Recommended Power Range

**10W0v3:** 10-inch, 75-300W RMS  
**12W0v3:** 12-inch, 75-300W RMS  
**15W0v3:** 15-inch, 150-500W RMS  
All models available in 4Ω only.

### Small Sealed Enclosure Volume Requirements

**10W0v3:** 0.65 cu. ft.  
**12W0v3:** 1.375 cu. ft.  
**15W0v3:** 1.875 cu. ft.

### Key Technologies:

- **Elevated Frame Cooling System** = improved power handling by venting coil directly
- **DMA-optimized motor systems** = lower distortion & higher output
- **Highly linear, FEA-optimized suspension systems** = lower distortion & improved reliability



10W0v3 and 12W0v3 accept the same grille mesh inserts used on W1v3 and W3v3 subwoofers. (Sold separately)

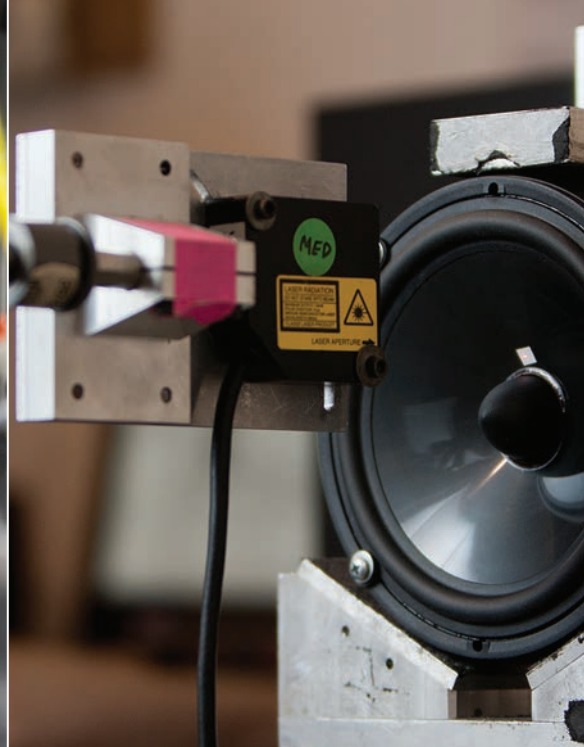
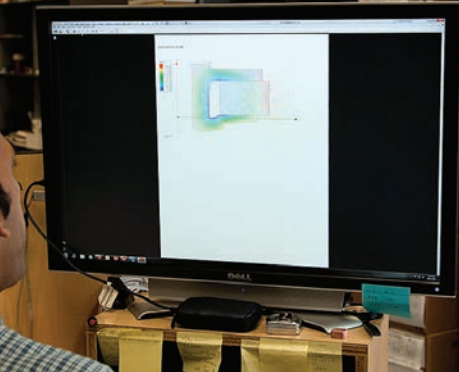
Nickel-plated brass push terminals accept up to 8 AWG speaker wire.



Elevated Frame Cooling Technology improves reliability and overall performance.



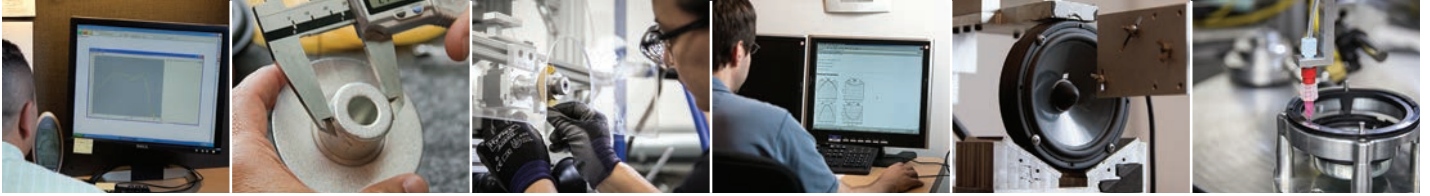








## Speaker Systems: The Science of Great Audio



*It's all part of our passion for truly great audio.*

Led by our CEO and Chief Engineer, Lucio Proni, JL Audio's Loudspeaker Engineering Department uses the world's most advanced development tools to create, test and refine JL Audio speaker systems. Every aspect of the designs, from motor linearity to cone behavior, is analyzed, quantified and optimized to deliver clean, dynamic audio performance.

Particular emphasis is placed on off-axis response and dynamic stability, which might not be very important during a five-minute evaluation on a demo board, but makes all the difference when installed in your car and playing your favorite music.

Rather than relying on off-the-shelf solutions, our mechanical and industrial design team has the freedom to create new designs and tooling. This freedom to innovate allows us to improve assembly precision, product reliability and unit-to-unit consistency.









## C7: Reference this. The ultimate in automotive audio fidelity.



C7 speakers were born with a clear mission to create our finest-ever automotive component speakers.

No detail, material or design element went unexamined in each of the C7 drivers: from the exotic, corundum ceramic-coated diaphragm of the C7 tweeter, to the intricately machined motor plates of the C7 midrange and the ten prototype generations of the C7-650cw woofer's dust cap. These details, and hundreds of others like them, simply had to be perfect for the design team to approve them for the C7 drivers.

To avoid technical compromises, C7 speakers are designed for use with active crossovers. A high-quality DSP, such as the JL Audio TwK™ 88/D8, or a VXi amplifier with built-in DSP is recommended, with individual amplifier channels for each C7 speaker. The power of the DSP can be used to optimize the performance of the C7 speaker system for its specific application. Delay, crossover parameters and precise equalization can be used to adjust for



C7-350cm

speaker placement, cabin acoustics and target response. In the end, all these efforts lead to a spectacular musical presentation, easily exceeding the performance boundaries of typical, high-end, car audio speaker systems.

When you listen to C7, you will hear a level of resolution, precision and imaging that suspends disbelief, opening a window to an intensely pure audio experience.

**C7 is the pinnacle of JL Audio automotive loudspeaker design!**

### C7 Models / Recommended Power Range

- C7-650cw: 6.5-inch component woofer / 50-175W RMS
- C7-350cm: 3.5-inch component midrange / 50-150W RMS
- C7-100ct: 1-inch component tweeter / 50-150W RMS

### Highly linear, DMA-Optimized Woofers

- Outstanding bass response and output capability
- Exceptional linearity at high volume levels and very low distortion
- The oversized voice coil offers extended power handling capability, minimizing thermal compression and distortion at higher listening levels.
- Cast alloy frames with Elevated Frame Cooling design
- Built in USA with Global Components

### Highly linear, DMA-Optimized Midranges

- Outstanding bass response and output capability
- Exceptional linearity at high volume levels and very low distortion
- The oversized voice coil offers extended power handling capability, minimizing thermal compression and distortion at higher listening levels.
- A purpose-engineered cast alloy basket is employed, featuring thin spokes to maximize rear open area.
- Built in USA with Global Components

### Edge-Driven, 1-inch (25 mm) Dome Tweeter

- Corundum ceramic coated aluminum alloy diaphragm exhibits high stiffness, very low mass and excellent environmental stability.
- Treated silk, S-Roll suspension design
- Exceptional high-frequency extension and clarity
- The shape of the tweeter housing is designed to boost sensitivity in a very specific bandwidth, helping to flatten the frequency response.



VXi amplifiers with built-in DSP are recommended, with individual amplifier channels for each C7 speaker.



SA-TPOD-100-BK

Optional tweeter pod fixture (sold separately)







### **C7-100ct: 1-inch (25 mm) Tweeter**

The C7-100ct component tweeter is designed to deliver unparalleled high-frequency performance. Utilizing a corundum ceramic-coated aluminum alloy diaphragm suspended via a treated silk, s-roll surround, it provides spectacularly detailed reproduction of treble frequencies with outstanding off-axis response.

#### **Design Bandwidth:**

With 48 dB/octave filters: 3,000 Hz - 30,000 Hz

With 24 dB/octave filters: 4,000 Hz - 30,000 Hz

With 12 dB/octave filters: 5,000 Hz - 30,000 Hz

Sold individually, with flush and surface mounting fixtures and hardware. One 15 $\mu$ F tweeter protection capacitor is also included.



### **C7-350cm: 3.5-inch (90 mm) Midrange**

The C7-350cm component midrange is designed to operate in a 3-way system, with a woofer and tweeter. Conceived and purpose-built from the ground up, it offers exceptional transient response and outstanding linearity, resulting in unsurpassed clarity and natural mid-range reproduction.

#### **Design Bandwidth:**

With 48 dB/octave filters: 300 Hz - 10 kHz

With 24 dB/octave filters: 400 Hz - 10 kHz

With 12 dB/octave filters: 500 Hz - 10 kHz

#### **Built in USA with Global Components**

Sold individually, with a cast-alloy grille tray, one fine mesh steel grille insert and one spiral steel grille insert.



### **C7-650cw: 6.5-inch (165 mm) Woofer**

The C7-650cw component woofer is capable of operating in a 3-way system, with a midrange and tweeter, or with only a tweeter in a 2-way configuration. Engineered from the ground up, it has exceptional linear excursion capability and outstanding linearity, resulting in solid mid-bass and pure, precise, mid-range performance.

#### **Design Bandwidth:**

With 48 dB/octave filters: 50 Hz - 5 kHz

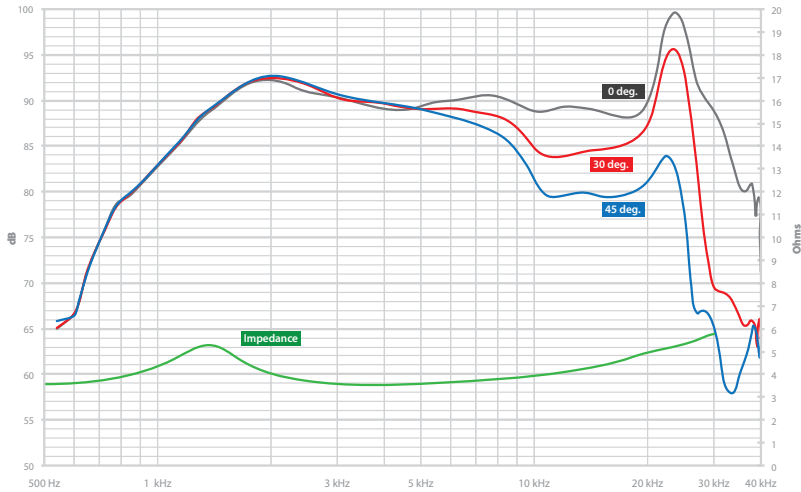
With 24 dB/octave filters: 60 Hz - 5 kHz

With 12 dB/octave filters: 70 Hz - 5 kHz

#### **Built in USA with Global Components**

Sold individually, with a cast-alloy grille tray, one fine mesh steel grille insert and one spiral steel grille insert.

## C7-100ct Frequency Response



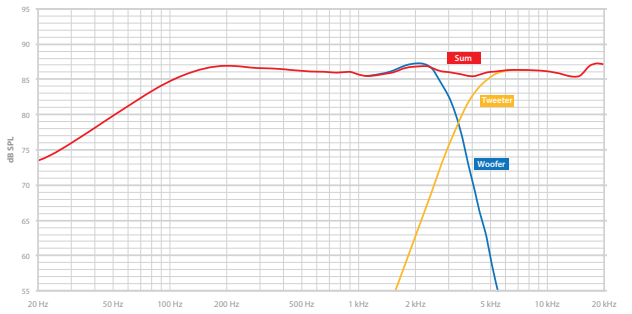
C7-350cm



C7-650cw

Sold individually, with a cast-alloy grille tray, one fine mesh steel grille insert and one spiral steel grille insert.

## Recommended Crossover Setting Guidelines



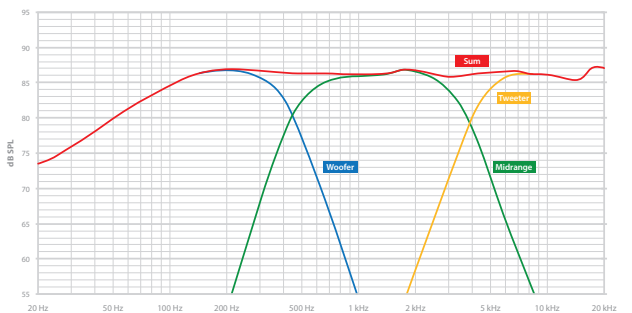
### C7 2-Way Speaker System

#### C7-650cw Woofer

Low-Pass: 24 dB/octave Linkwitz-Riley @ 2700 Hz  
Level Offset: 0 dB

#### C7-100ct Tweeter

High-Pass: 24 dB/octave Linkwitz-Riley @ 4000 Hz  
Level Offset: -1.0 dB



### C7 3-Way Speaker System

#### C7-650cw Woofer

Low-Pass: 24 dB/octave Linkwitz-Riley @ 400 Hz  
Level Offset: 0 dB

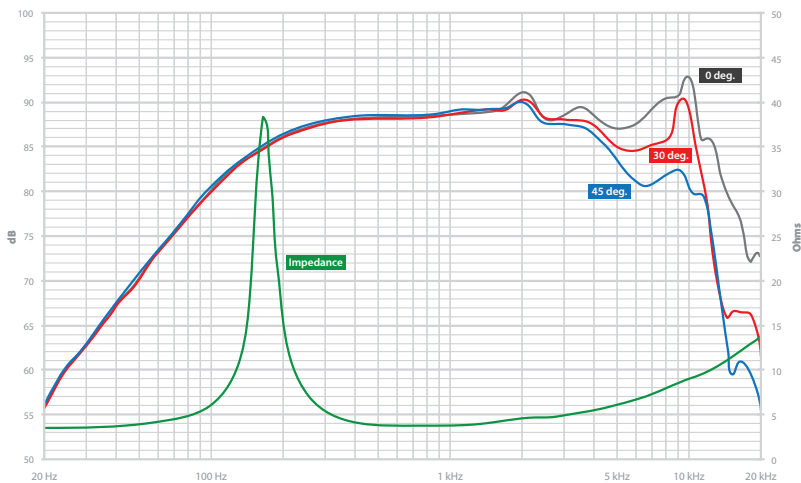
#### C7-350cm Midrange

High-Pass: 24 dB/octave Linkwitz-Riley @ 480 Hz  
Low-Pass: 24 dB/octave Linkwitz-Riley @ 3500 Hz  
Level Offset: 0 dB

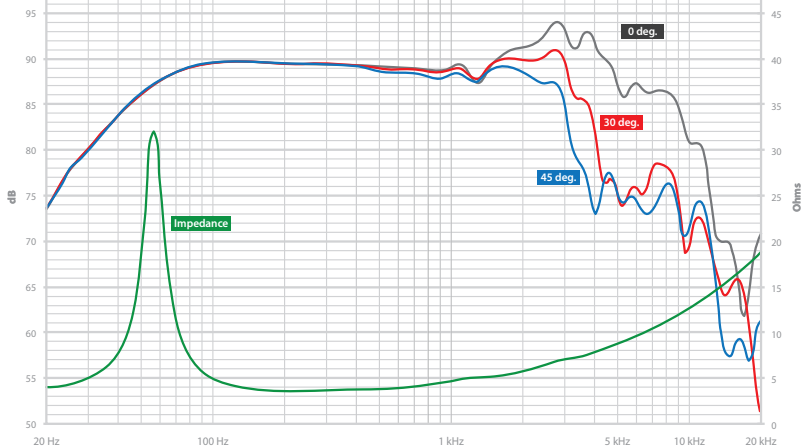
#### C7-100ct Tweeter

High-Pass: 24 dB/octave Linkwitz-Riley @ 4500 Hz  
Level Offset: -1.0 dB

## C7-350cm Frequency Response



## C7-650cw Frequency Response











## C3: Fidelity, made flexible.



### C3 Convertible Models / Recommended Power Range

C3-525: 5.25-inch / 25-150W RMS

C3-570: 5x7-inch / 25-150W RMS

C3-600: 6-inch / 25-150W RMS

C3-650: 6.5-inch / 25-150W RMS

### Converts from Coaxial to Component System (and back) in Seconds!

- Quickly converts from coaxial to component system with supplied bayonet-mount tweeter post and tweeter cups.
- Multiple hole patterns on 5x7-inch and 6-inch woofers permit mounting into most factory provisions.
- Shallow mounting depths.

### Long-Excursion woofer design with molded composite basket and Elevated-Frame Cooling™

- DMA-optimized for better bass response and output capability.
- Oversized woofer voice coil (1.2-inch / 30.5 mm) delivers superior power handling, less distortion and better overall sound quality at high levels
- Non-magnetic, composite basket is extremely tough and will never corrode.
- Elevated Frame Cooling™ improves power handling and sound quality by minimizing heat build-up in the woofer motor.

### Pure silk dome tweeters, 1-inch diameter

- Much smoother and cleaner sounding than plastic tweeters.
- Can be mounted low and still deliver excellent highs and imaging at the listening position.
- Flush, surface or coaxial mounting options.

### Premium Outboard Crossover Networks

- True 2-way crossover design with 1st order low-pass filter and 2nd order high-pass filter using premium components.
- Midrange compensation (three positions), allows optimization for coaxial or separate mounting of tweeter.
- Adjustable tweeter level (four positions), to set the brightness of the system according to mounting location or listener tastes.

There are times when an installation calls for a separate woofer and tweeter, and there are other times when a coaxial is the better approach. With C3 Convertible Component Systems, the same product can be deployed in either configuration, delivering outstanding audio quality in each application.

C3's employ JL Audio's full suite of technology innovations and advancements to deliver unsurpassed value, performance and reliability.



### Coaxial or Component: Which is better?

Both approaches can yield excellent results.

Coaxial mounting has the benefit of placing the tweeter in close proximity to the acoustic center of the woofer, resulting in more coherent output and predictable crossover behavior.

Separate mounting has the benefit of placing the tweeter where it is less likely to be blocked by passenger's legs or other obstructions. As long as you don't separate the tweeter too far from the woofer, this approach will still yield good coherence and predictable crossover behavior.

With C3's, you can easily experiment with both approaches and find the one that suits your installation best.



Steel mesh grilles included with 5.25-inch, 6-inch and 6.5-inch models.



**SA-TPOD-100-BK**  
Optional tweeter pod fixture (sold separately)











## C2: Silky Smooth.



For a car speaker to excel, it must be thoroughly engineered in all areas. The woofer design must deliver sufficient efficiency, smooth mid-range response and good low-frequency extension. The tweeter must be smooth off-axis, exhibit good extension and be non-fatiguing, while the crossover design must seamlessly blend the sound of the drivers so that the end result is clean, realistic audio performance.

In designing C2 Coaxial and Component Systems, we have drawn from our vast experience in woofer design, as well as the tweeter technologies employed in our world-class C5 component systems. The resulting products deliver a compelling performance solution at a price within reach of any enthusiast seeking the thrill of a truly exceptional listening experience.

### C2 Coaxial Models / Recommended Power Range

- C2-350x: 3.5-inch / 10-40W RMS
- C2-400x: 4-inch / 10-50W RMS
- C2-525x: 5.25-inch / 15-100W RMS
- C2-570x: 5x7-inch / 15-100W RMS
- C2-600x: 6-inch / 15-100W RMS
- C2-650x: 6.5-inch / 15-100W RMS
- C2-690tx: 6x9-inch, 3-way / 15-125W RMS

### C2 Component Models / Recommended Power Range

- C2-525: 5.25-inch 2-way / 15-100W RMS
- C2-600: 6-inch 2-way / 15-100W RMS
- C2-650: 6.5-inch 2-way / 15-100W RMS



### Silky-smooth top end.

- Real silk dome tweeter – 0.75-inch diameter
- Same tweeter material and basic architecture as used in fine home speakers and studio monitors
- Lightweight as it gets (good for high frequency extension and efficiency) and very well-damped (doesn't ring like a bell).

### More linear woofer excursion capability than typical competition

- Killer bass response and higher output with less distortion!

### Smooth, Controlled Woofer Roll-off

- Allows smooth transition to tweeter
- Eliminates harshness in the upper midrange
- Well-damped cones and suspensions minimize ringing

### Easy Installation in Real-World Vehicles

- Multiple hole patterns and breakaway mounting tabs (depending on model)
- Shallow woofer mounting depths
- Very compact component tweeter (flush or surface mount)
- Minimal coaxial tweeter protrusion (0.45 – 0.56 inches depending on model).



The smoothness of a true, edge-driven silk dome tweeter sets C2's apart from the competition!



C2-690tx  
6 x 9 inch 3-Way







# C1: Get Real.



For those who value substance and great audio performance... C1 is the real deal at a very sweet price!

Benefitting from our expertise in building world-class subwoofers, the woofers in the C1 components and coaxials are engineered to get loud, while maintaining smooth, dynamic, low distortion sound.

The C1's also use real aluminum dome tweeters, with true, 2nd order high-pass filters, for smooth, accurate treble reproduction and low distortion.

To ensure good fit into most vehicles, we offer a wide range of C1 sizes, all with moderate depths and minimal tweeter protrusions, to install neatly behind factory grilles.



### C1 Coaxial Models / Recommended Power Range

- C1-400x: 4-inch / 10-50W RMS
- C1-525x: 5.25-inch / 10-75W RMS
- C1-570x: 5x7-inch / 10-75W RMS
- C1-650x: 6.5-inch / 10-75W RMS
- C1-690x: 6x9-inch / 10-100W RMS
- C1-690tx: 6x9-inch, 3-way / 10-100W RMS

### C1 Component Models / Recommended Power Range

- C1-650: 6.5-inch 2-way/10-75W RMS
- C1-690: 6x9-inch 2-way/10-100W RMS

### C1 Component Tweeter Models / Recommended Power Range

- C1-075ct: 0.75-inch/20-50W RMS
- C1-100ct: 1-inch/20-60W RMS

Multi-application adaptor rings are included with the C1-650x and C1-650

### The sweet sound of real domes!

- True, edge-driven, aluminum dome tweeter design, with silk surround suspension
- Neodymium motors with Ferrofluid cooling and damping, for enhanced reliability and smoothness

### Class-Leading Woofer Designs!

- Mineral-filled, injection-molded, polypropylene cones
- DMA-Optimized motor systems and high-power voice coils improve sound quality and power handling.
- Advanced rear suspension designs with integrated lead wires for enhanced reliability

### High-Performance Tweeter Protection Networks

- Coaxial models are equipped with on-board, 2nd order high-pass filters.
- Component systems include in-line, outboard 2nd order high-pass filters, with Advanced Tweeter Protection Circuitry.

### Made to Fit in Real-World Vehicles

- Moderate mounting depths to drop into most factory speaker locations
- Minimal tweeter protrusion on coaxial models to fit behind factory grilles
- Breakaway tabs, adaptor rings and spacer rings (depending on model), all designed to aid in fitting into factory locations. (Woofer grilles are not included with C1 speakers).



The smooth sound of a real dome tweeter is standard on all C1's.



C1-690tx features a 1-inch (25 mm) dome tweeter, plus a 0.75-inch (19 mm) dome super-tweeter.



C1-650  
6.5 inch 2-Way  
Component system



C1-690tx  
6 x 9 inch 3-Way  
Speakers











## Enclosed Subwoofer Systems: Not just a box.

Designed by JL Audio's expert subwoofer engineers for optimum woofer performance.



# H.O. Wedge™ • ProWedge™ • MicroSub™ • MicroSub+™ PowerWedge™ • PowerWedge+™ • BassWedge™

JL Audio enclosed subwoofer systems offer you a wide variety of precisely engineered and assembled subwoofer designs. Much more than "just a speaker box," each model is carefully engineered as a system to work perfectly with its subwoofers for the kind of performance you've come to expect from JL Audio. This very process has made JL Audio the premier innovator and performance leader in engineered sub-bass solutions.

Enclosure designs are precisely modeled using state-of-the-art design software and critically tuned in the lab and in test vehicles. Every dimension, cutout, angle and recess is quantified.

Advanced CNC wood-working stations then cut enclosure component parts with absolute precision and repeatability to ensure precise assembly by the skilled craftsmen in our Miramar, Florida factory.\*

All of our Enclosed Subwoofer Systems feature the same legendary JL Audio subwoofers you can buy from your dealer. We do not substitute cheaper drivers in our enclosed systems!



\* except BassWedge™ Enclosed Systems, which are imported.

## W7AE ProWedge™

The power of the W7 is harnessed within a massively-built sealed enclosure to deliver the ultimate in sub-bass fidelity. Beautiful gloss-black front panels and aluminum bar grilles set them apart.

These systems have it all: extension, impact, detail and smooth response... at any listening level.



CLS113RG-W7AE











- LOUDER**
- CLEARER**
- INNOVATIVE**



HO110-W6v3



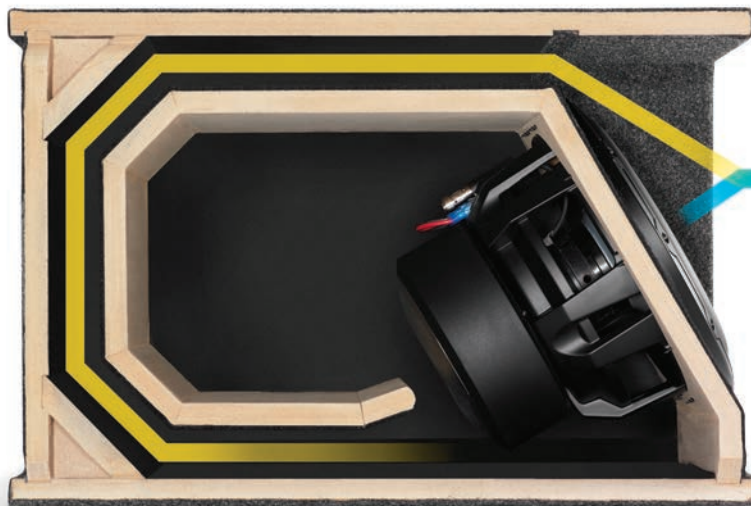
## W7AE, W6v3 & W3v3 H.O. Wedge™

Excellent sound quality and awesome output!

- Innovative slot-ported designs
- Port wall integration / internal bracing ensures structural integrity
- Built in USA with global components.

The W7AE H.O. Wedge system is engineered to extract the immense output capability of the W7 drivers, while still retaining world-class sound quality. Properly sized and tuned to the optimum ported alignment for the 12W7AE, the HO112R-W7AE is shipped wired, loaded and ready to install.

Based on the design of the W7AE High Output system, the W6v3 and W3v3 "H.O.'s" are also built to perform at serious output levels. These woofers have the benefit of smaller enclosure requirements than the W7's, making these H.O. Wedges more compact and easier to place.



Innovative Slot-Port Design wraps around the back and top of the enclosure, coupling to a chamber shared with the front of the driver.



HO112RG-W3v3





CP208LG-W3v3



CP110LG-TW1



CP108LG-W3v3  
Grille included  
(not pictured)

Only 5.125  
inches deep!

## W3v3 & TW1 MicroSub™

Our low-profile, MicroSub™ incorporates an efficient slot-ported design and thin-wall construction with extensive internal bracing to deliver astonishing bass performance in very tight spaces. Each MicroSub™ features precise tuning of our potent W3v3 and thin-line TW1 subwoofers to produce the kind of output and extension normally associated with much larger systems.

All models are built in our Miramar, Florida factory from CNC-cut MDF and are finished in high-grade automotive carpet with an attractive, embroidered JL Audio logo on the front baffle. Steel mesh grilles are included to protect the woofers from loose cargo and five-way binding post terminals accept a wide range of speaker wire gauges.

With MicroSub™ systems, you simply won't believe you're listening to such a compact system!

“You have to  
hear this one to  
believe it!”



## Amplified W3v3 & TW1 MicroSub+™

With MicroSub+ systems, the power is built right into the subwoofer system. A proprietary amplifier, utilizing our exclusive DCD™ technology, extracts maximum output from their specially engineered, ultra low-impedance W3v3 and TW1 drivers. All models include onboard signal processing and accept a variety of input signals. A quick-disconnect power connector makes it easy to remove the subwoofer when you need extra space.

As with all MicroSub™ systems, these amplified versions produce the kind of output and extension normally associated with much larger systems.

Constructed of CNC-cut MDF and built in our Miramar, Florida factory, all models are finished in high-grade automotive carpet with embroidered JL Audio logo and steel mesh grilles to protect the woofers.



ACP112LG-TW1



ACP108LG-W3v3



### DCD™ Amplifier Technology

Combines direct power conversion with an ultra-high current output section to achieve 94% real-world efficiency!



#### Remote Level Control (RBC-1)

With the addition of an RBC-1 (sold separately), you can control the subwoofer level from the front of the car.







CS110LG-TW3

## TW3 & TW1 PowerWedge™

PowerWedge™ systems incorporate our outstanding, thin-line TW3 & TW1 drivers in quality, MDF-constructed, sealed enclosures to produce smooth, powerful and articulate bass. The low-profile design allows them to fit in a wide range of applications.

All models are built in our Miramar, Florida factory from CNC-cut MDF and are finished in high-grade automotive carpet with an attractive, embroidered JL Audio logo. Steel mesh grilles are included with all models to protect the woofers from loose cargo. Five-way binding post terminals accept a wide range of speaker wire gauges.



CS212LG-TW1





## Amplified TW1 PowerWedge+™

PowerWedge+ systems take the classic PowerWedge™ formula and enhance it with the addition of a powerful, built-in amplifier. This proprietary amplifier utilizes our exclusive DCD™ technology to extract maximum output from specially engineered, ultra low-impedance TW1 drivers.

All models include onboard signal processing and accept a variety of input signals. A quick-disconnect power connector makes it easy to remove the subwoofer when you need extra space.

As with all PowerWedge™ systems, these amplified versions produce the kind of sound quality and extension that JL Audio subwoofers are known for.

Constructed of CNC-cut MDF and built in our Miramar, Florida factory, all models are finished in high-grade automotive carpet with embroidered JL Audio logo and steel mesh grilles to protect the woofers.



### Remote Level Control (RBC-1)

With the addition of an RBC-1 (sold separately), you can control the subwoofer level from the front of the car.



ACS112LG-TW1



ACS110LG-TW1



### DCD™ Amplifier Technology

Combines direct power conversion with an ultra-high current output section to achieve 94% real-world efficiency!





## Truck PowerWedge™

For truck owners, three sealed PowerWedge™ systems feature angled front panels and shallow mounting depths to deliver big, beautiful bass in minimal space.

The key to the Truck PowerWedge™ systems' outstanding performance is their innovative, U.S.-built, thin-line subwoofers.



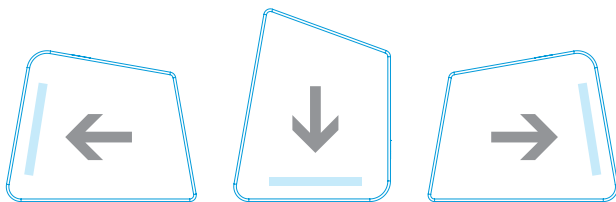
CS110TG-TW3



CS112TG-TW3



CS113TG-TW5v2



Ported BassWedge™ enclosures can be placed to fire forward, backwards or down at the floor, making them extremely versatile.

## Slot-Ported W0v3 BassWedge™

These affordable systems are centered on our potent W0v3 drivers, loaded into common-chamber, slot-ported enclosures that release a ton of output. They feature a versatile shape that can be placed into a vehicle a number of different ways and are available with single or dual woofers (10-inch or 12-inch). Classy and clean embroidered logos let everyone know who designed your enclosure.



CP212-W0v3

Protective steel mesh grille(s) are not included with the systems on this page, but can be purchased separately.





Stealthbox®: Perfect look. Perfect fit. Perfect bass.  
Vehicle-specific bass excellence.

**“If you’re lucky enough to have a vehicle that one of these Stealthboxes is made for, choosing it over anything else we have seen or heard is a no-brainer.”**

– [CarSound](#) magazine







Tesla Model 3



Toyota 4-Runner



Dodge Ram

**Check with your Authorized Dealer or visit our website to see if we offer a custom-engineered Stealthbox® subwoofer system for your vehicle.**

Adding a subwoofer is the single most significant improvement you can make to a car audio system. The only problem with subwoofers in the car is that they typically take up a lot of room, which can be a big problem if you want to keep your vehicle's comfort and utility intact. JL Audio's Stealthbox® subwoofer systems solve this problem once and for all, delivering a level of sub-bass performance that is way "ahead of the curve" while integrating seamlessly into your vehicle's interior.

Unlike universal subwoofer systems, a Stealthbox® is carefully optimized for its specific vehicle application. Extensive testing takes place in each target vehicle with the goal of maximizing performance while minimizing loss of vehicle utility and comfort. Using JL Audio's arsenal of acclaimed subwoofer components, our designers apply various enclosure design and loading techniques to produce the best possible subwoofer response in each unique situation. After a month or two (sometimes three) of intense research, a Stealthbox® is ready for production.

The result is a product that embodies JL Audio's passion for car audio by exceeding the conventional limits of system design... Delivering performance so good that Truckin' magazine declared: "You never would think that a single 10-inch woofer... in a box made to blend in with the interior, could produce as much bass as a system with several 12-inch subwoofers..."

JL Audio Stealthbox® enclosed systems are hand-crafted from fiberglass to achieve a level of enclosure rigidity and dimensional stability not possible with other enclosure materials. This allows wall thickness to be reduced compared to a typical wood enclosure, resulting in more interior box volume for a given external volume (which means louder, deeper bass in the end). The flexibility of shapes permitted by this type of construction is what gives us the ability to design your Stealthbox® to fit perfectly into tight spots, in order to minimize intrusion into your vehicle's useful space.

At our facility in Florida, expert craftsmen fabricate and finish each Stealthbox® enclosure by hand. Our vast fiberglass manufacturing experience ensures consistent quality and unsurpassed performance.

There may be cheaper ways to make a subwoofer system, but there is no better way.

- BMW / X5 / '00-'13
- Cadillac / Escalade / '07-Up
- Cadillac / Escalade EXT / '02-'09
- Cadillac / Escalade ESV / '07-Up
- Chevrolet / Avalanche / '02-'14
- Chevrolet / C5 Corvette / '97-'04
- Chevrolet / C6 Corvette / '05-'13
- Chevrolet / C6 Corvette Convertible / '05-'13
- Chevrolet / C7 Corvette Coupe / '14-'19
- Chevrolet / Camaro, Z-28 / '93-'02, '10-Up
- Chevrolet / Camaro Convertible / '11-'15
- Chevrolet / Colorado Crew Cab / '15-'22
- Chevrolet / Colorado Extended Cab / '15-'22
- Chevrolet / Equinox / '10-'17
- Chevrolet / Silverado / '99-Up
- Chevrolet / Silverado Classic / '07
- Chevrolet / Suburban / '03-Up
- Chevrolet / Tahoe / '03-Up
- Dodge / Challenger / '09-Up
- Dodge / Ram / '98-'08
- Fiat / 500 / '07-Up
- Ford / Bronco / '21-Up
- Ford / Edge / '07-'23
- Ford / Escape / '01-'11
- Ford / Excursion / '00-'07
- Ford / Expedition / '97-'02, '18-Up
- Ford / Expedition EL / '07-'17
- Ford / Explorer / '11-'16
- Ford / F-150 SuperCab / '04-Up
- Ford / F-150 SuperCrew / '01-Up
- Ford / Flex / '09-'20
- Ford / Focus / '12-'18
- Ford / Mustang Coupe / '05-Up
- Ford / Ranger / '19-'23
- Ford / SuperDuty Trucks / '98-Up
- GMC / Canyon Crew Cab / '15-'22
- GMC / Canyon Extended Cab / '15-'22
- GMC / Sierra / '99-Up
- GMC / Sierra Classic / '07
- GMC / Terrain / '10-'17
- GMC / Yukon / '03-Up
- GMC / Yukon XL / '03-Up
- Honda / CR-V / '12-'16
- Honda / Element / '03-'11
- Honda / S2000 / '00-'09
- Hummer / H2 / '03-'07
- Hummer / H3 / '06-'10
- Hyundai / Veloster / '11-'18
- Infiniti / G35 Coupe / '03-'07
- Jeep / Gladiator / '20-Up
- Jeep / Grand Cherokee / '11-'21
- Jeep / Wrangler / '07-Up
- Lincoln / Blackwood / '02-'03
- Lincoln / Mark LT / '06-'08
- Lincoln / MKX / '07-Up
- Lincoln / Navigator / '98-'02
- Lincoln / Navigator L / '07-'17
- Mazda / Tribute / '01-'11
- Mercury / Mariner / '05-'11
- Nissan / 350Z / '03-'08
- Nissan / 370Z / '09-Up
- Nissan / Titan Crew Cab / '04-Up
- Nissan / Xterra / '05-'15
- Pontiac / Firebird, Trans Am / '93-'02
- Porsche / 911 / '98-'04
- RAM / Trucks / '98-Up
- Scion / FR-S / '13-'16
- Scion / tC / '11-'16
- Scion / xB / '07-'15
- Smart / fortwo / '08-'15
- Subaru / BRZ / '13-Up
- Tesla / Model 3 / '17-Up
- Tesla / Model Y / '20-Up
- Toyota / 86 / '16-'20
- Toyota / 4Runner / '03-Up
- Toyota / FJ Cruiser / '07-'14
- Toyota / Sequoia / '00-'07
- Toyota / Tacoma / '96-Up
- Toyota / Tundra / '03-'21
- Volkswagen / Golf / '06-'13
- Volkswagen / Golf R / '12-'13
- Volkswagen / GTI / '06-'13
- Volkswagen / Jetta VI / '11-'18
- Volkswagen / R32 / '06-'13
- Volkswagen / Rabbit / '06-'13





# Engineered Connection Systems: Flexible.

Designed by JL Audio® for optimum performance.



We've used the finest materials and construction techniques to make sure that your audio signals come out of our cables exactly the way they came in, without artificial colorations, without added noise and with a level of connection integrity that overcomes the realities of the automotive environment.



## Audio Interconnects

Two lines of twisted-pair audio interconnect cables are available:

**Core** (clear) cables with OFC copper conductors, polyethylene dielectrics and molded connector bodies.

**Premium** (black) with silver-plated OFC copper conductors, Teflon® dielectrics and machined connector bodies.



Satin Black Jackets and Connector Plug Bodies are designed to blend into your automotive interior.

## Specialty Interconnects

These cables are designed to interface portable audio electronics with factory and aftermarket car audio equipment. Small diameter OFC copper audio conductors with polyethylene dielectrics constructed in a tightly twisted-pair arrangement for optimum noise rejection. Molded connector bodies with machined, nickel-plated, brass contacts offer superb connection integrity (satin black cable and connector finish).

## Digital Interconnects

Specialty cables for connection of digital audio signals or digital data.



## Premium Power Wire & Speaker Cable

While others play games with undersized wire and different metals to save money and give you less performance, our premium power wire is made in four sizes specified to true American Wire Gauge (AWG) standards and is made of 99.999% pure, fine-strand, oxygen-free copper for optimum conductivity and flexibility. Our premium wire is tinned for corrosion resistance and is available with great-looking clear, red or blue translucent jackets.

ECS premium speaker cable is also constructed of 99.999% pure, tinned fine strand OFC copper. The highly durable PVC jacket is flexible and makes the cable easier to run in tight spaces. Available in 16 AWG & 12 AWG sizes with frost blue and clear parallel jackets.



### Premium Bulk Power Wire:

Three Color Options:  
Translucent Red, Translucent Blue or Clear  
Four True AWG sizes:  
8 AWG, 4 AWG, 2 AWG or 1/0 AWG

2



3



4



5



6



7



8



9



**1 - XD-BTS**  
Ultra-compact battery  
terminal: Fits Pos. (+) or Neg.  
(-) posts, accepts power ring(s)  
plus one 8 or 4 AWG wire

**2 - XB-BTU**  
Positive (+) or Negative (-)  
Battery Connector with  
Three Wire Outputs: 1/0  
AWG, 2 AWG, 4 AWG or 8  
AWG (in any combination)

**3 - XB-SPTM**  
1 pr. Side-Post to Top-Mount  
Battery Terminal Adaptors  
(one positive, one negative)

**4 - XB-MGLU**  
Master Ground Lug: Bolt-on  
type for 8 AWG, 4 AWG, 2  
AWG or 1/0 AWG Power Wire

**5 - XD-MFBW-MAXI**  
Water-Resistant Master  
MAXI™ Fuse Block for 8  
AWG to 4 AWG Power Wire;  
Fuse sold separately

**6 - XB-MFBU-ANL**  
Master ANL Fuse Block for  
4 AWG to 1/0 AWG Power  
Wire with 25 Wire Entry / Exit  
Options;  
Fuse sold separately

**7 - XD-FDBU-2**  
MAXI™ Fused Power  
Distribution Block: 4 AWG  
to 1/0 AWG input, two fused  
to 4 AWG or 8 AWG outputs;  
Fuses sold separately

**8 - XD-FDBU-4**  
MAXI™ Fused Power  
Distribution Block: 4 AWG  
to 1/0 AWG input, four fused  
to 4 AWG or 8 AWG outputs;  
Fuses sold separately

**9 - XD-PDBU-3X**  
Unfused, Expandable  
Power Distribution Block:  
Three 4 AWG to 1/0 AWG  
connections, four 4 AWG  
or 8 AWG connections.



**Core Amplifier Connection Systems:**

## Amplifier Connection Systems & Blocks

Whether you are installing a small, single amplifier or a multi-kilowatt system, achieving proper power and ground connections is essential to reliable, enjoyable performance. JL Audio ECS power connection products are intelligently designed to be compact, flexible and to offer solid, low-resistance electrical connections.

For the best value, consider our complete Amplifier Connection Systems, which include everything you need to connect power to one or multiple amplifiers and are available to suit a wide range of systems:



**Premium Amplifier Power Connection Systems:**  
Available in a range of kits to suit different power demands for single and multiple amplifier systems.



**Blue / Clear Speaker Cable**

**Core Power Wire is ideal for lower-power systems and amplifiers:**  
Available in Red or Black, untinned pure copper  
60 Amp or 30 Amp capacities



# Amplifier Specifications

Model	Description	Continuous Power (RMS Method)	THD+N at Rated Power	S/N Ratio	Frequency Response	Damping Factor	Dimensions H x W x D
<b>VXi Amplifiers</b>							
VX600/1i	Monoblock, Class D Subwoofer Amplifier with Integrated DSP	400W RMS x 1 @ 4 ohms 500W RMS x 1 @ 3 ohms 600W RMS x 1 @ 2 ohms (Rating at 14.4V supply voltage)	<1%	90 dBA referred to rated power	12 Hz - 500 Hz (+0, -1dB)	>125 @ 4 ohm / 50 Hz >125 @ 2 ohm / 50 Hz	2.12 in. x 9.02 in. x 6.62 in. 54 mm x 229 mm x 168 mm
VX1000/1i	Monoblock, Class D Subwoofer Amplifier with Integrated DSP	600W RMS x 1 @ 4 ohms 800W RMS x 1 @ 3 ohms 1000W RMS x 1 @ 2 ohms (Rating at 14.4V supply voltage)	<1%	87 dBA referred to rated power	12 Hz - 500 Hz (+0, -1dB)	>400 @ 4 ohm / 50 Hz >300 @ 2 ohm / 50 Hz	2.12 in. x 11.32 in. x 6.62 in. 54 mm x 287 mm x 168 mm
VX400/4i	4-Channel, Class D Full-Range Amplifier with Integrated DSP	75W RMS x 4 @ 4 ohms 100W RMS x 4 @ 2 ohms Bridged: 200W RMS x 2 @ 4 ohms (Ratings at 14.4V supply voltage)	<1%	99 dBA referred to rated power	12 Hz - 24 kHz (+0, -1dB)	>100 @ 4 ohm per ch. / 50 Hz >50 @ 2 ohm per ch. / 50 Hz	2.12 in. x 9.02 in. x 6.62 in. 54 mm x 229 mm x 168 mm
VX600/2i	2-Channel, Class D Full-Range Amplifier with Integrated DSP	180W RMS x 2 @ 4 ohms 300W RMS x 2 @ 2 ohms Bridged: 600W RMS x 1 @ 4 ohms (Ratings at 14.4V supply voltage)	<1%	99 dBA referred to rated power	12 Hz - 24 kHz (+0, -1dB)	>100 @ 4 ohm per ch. / 50 Hz >50 @ 2 ohm per ch. / 50 Hz	2.12 in. x 9.81 in. x 6.62 in. 54 mm x 250 mm x 168 mm
VX600/6i	6-Channel, Class D Full-Range Amplifier with Integrated DSP	75W RMS x 6 @ 4 ohms 100W RMS x 6 @ 2 ohms Bridged: 200W RMS x 3 @ 4 ohms (Ratings at 14.4V supply voltage)	<1%	99 dBA referred to rated power	12 Hz - 24 kHz (+0, -1dB)	>100 @ 4 ohm per ch. / 50 Hz >50 @ 2 ohm per ch. / 50 Hz	2.12 in. x 9.81 in. x 6.62 in. 54 mm x 250 mm x 168 mm
VX800/8i	8-Channel, Class D Full-Range Amplifier with Integrated DSP	75W RMS x 8 @ 4 ohms 100W RMS x 8 @ 2 ohms Bridged: 200W RMS x 4 @ 4 ohms (Ratings at 14.4V supply voltage)	<1%	99 dBA referred to rated power	12 Hz - 21 kHz (+0, -1dB)	>100 @ 4 ohm per ch. / 50 Hz >50 @ 2 ohm per ch. / 50 Hz	2.12 in. x 11.32 in. x 6.62 in. 54 mm x 287 mm x 168 mm
VX700/5i	5-Channel, Class D System Amplifier with Integrated DSP	75W RMS x 4 + 180W RMS x 1 @ 4 ohms per ch. 100W RMS x 4 + 300W RMS x 1 @ 2 ohms per ch. (Ratings at 14.4V supply voltage)	<1%	99 dBA referred to rated power	Main Channels: 12 Hz - 24 kHz (+0, -1dB) Sub Channel: 12 Hz - 1 kHz (+0, -1dB)	Subwoofer Channel: >100 @ 4 ohm / 50 Hz >50 @ 2 ohm / 50 Hz	2.12 in. x 9.81 in. x 6.62 in. 54 mm x 250 mm x 168 mm
VX1000/5i	5-Channel, Class D System Amplifier with Integrated DSP	75W RMS x 4 + 400W RMS x 1 @ 4 ohms per ch. 100W RMS x 4 + 600W RMS x 1 @ 2 ohms per ch. (Ratings at 14.4V supply voltage)	<1%	99 dBA referred to rated power	Main Channels: 12 Hz - 24 kHz (+0, -1dB) Sub Channel: 12 Hz - 1 kHz (+0, -1dB)	Subwoofer Channel: >100 @ 4 ohm / 50 Hz >50 @ 2 ohm / 50 Hz	2.12 in. x 11.32 in. x 6.62 in. 54 mm x 287 mm x 168 mm
<b>HD Amplifiers</b>							
HD750/1	Class D, Monoblock Wide-Range Amplifier	750W x 1 @ 1.5 - 4 ohms (Rating at 11V-14.5V supply voltage)	<0.03%	>110 dBA referred to rated power	6 Hz - 8 kHz (+0, -1dB)	>500 @ 4 ohm / 50 Hz >250 @ 2 ohm / 50 Hz	1.93 x 10.74 x 8.29 in. 49 mm x 273 mm x 211 mm
HD1200/1	Class D, Monoblock Wide-Range Amplifier	1200W x 1 @ 1.5 - 4 ohms (Rating at 11V-14.5V supply voltage)	<0.03%	>110 dBA referred to rated power	6 Hz - 8 kHz (+0, -1dB)	>500 @ 4 ohm / 50 Hz >250 @ 2 ohm / 50 Hz	1.93 x 10.74 x 8.29 in. 49 mm x 273 mm x 211 mm
HD600/4	Class D, Four-Channel Full-Range Amplifier	150W x 4 @ 1.5 - 4 ohms Bridged: 300W x 2 @ 3 - 8 ohms (Ratings at 11V-14.5V supply voltage)	<0.03%	>110 dBA referred to rated power	6 Hz - 30 kHz (+0, -1dB)	>300 @ 4 ohm / 50 Hz >150 @ 2 ohm / 50 Hz	1.93 x 10.74 x 8.29 in. 49 mm x 273 mm x 211 mm
HD900/5	Class D, Five-Channel System Amplifier	Five-Channel Mode: 100W x 4 + 500W x 1 @ 4 ohms per ch. 75W x 4 + 500W x 1 @ 2 ohms per ch. Three-Channel Mode: 150W x 2 + 500W x 1 @ 4 ohms per ch. (Ratings at 11V-14.5V supply voltage)	<0.03%	>108 dBA referred to rated power	Main Channels: 12 Hz - 28 kHz Sub Channel: 12 Hz - 10 kHz (+0, -1dB)	Subwoofer Channel: >800 @ 4 ohm / 50 Hz >400 @ 2 ohm / 50 Hz	1.93 x 10.74 x 8.29 in. 49 mm x 273 mm x 211 mm
<b>XDM Amplifiers</b>							
XDM300/1	Monoblock Class D Subwoofer Amplifier	200W RMS x 1 @ 4 ohms 300W RMS x 1 @ 2 ohms (Ratings at 14.4V supply voltage)	<1%	>100 dBA referred to rated power	10 Hz - 1 kHz (+0, -1dB)	>120 @ 4 ohm / 50 Hz >60 @ 2 ohm / 50 Hz	2.05 in. x 6.85 in. x 7.09 in. 52 mm x 174 mm x 180 mm
XDM600/1	Monoblock Class D Subwoofer Amplifier	400W RMS x 1 @ 4 ohms 600W RMS x 1 @ 2 ohms (Ratings at 14.4V supply voltage)	<1%	>87 dBA referred to rated power	7 Hz - 500 Hz (+0, -1dB)	>1000 @ 4 ohm / 50 Hz >500 @ 2 ohm / 50 Hz	2.05 in. x 8.52 in. x 7.09 in. 52 mm x 216 mm x 180 mm
XDM1000/1	Monoblock Class D Subwoofer Amplifier	600W RMS x 1 @ 4 ohms 1000W RMS x 1 @ 2 ohms (Ratings at 14.4V supply voltage)	<1%	>83 dBA referred to rated power	7 Hz - 500 Hz (+0, -1dB)	>1000 @ 4 ohm / 50 Hz >500 @ 2 ohm / 50 Hz	2.05 in. x 14.73 in. x 7.09 in. 52 mm x 374 mm x 180 mm
XDM200/2	Class D Full-Range 200W 2 Channel Amplifier	75W RMS x 2 @ 4 ohms 100W RMS x 2 @ 2 ohms Bridged: 150W RMS x 1 @ 8 ohms Bridged: 200W RMS x 1 @ 4 ohms (Ratings at 14.4V supply voltage)	<1%	>104 dBA referred to rated power	12 Hz - 22 kHz (+0, -1dB)	>150 @ 4 ohm / 50 Hz >75 @ 2 ohm / 50 Hz	2.05 in. x 6.85 in. x 7.09 in. 52 mm x 174 mm x 180 mm
XDM400/4	Class D Full-Range 400W 4 Channel Amplifier	75W RMS x 4 @ 4 ohms 100W RMS x 4 @ 2 ohms Bridged: 150W RMS x 2 @ 8 ohms Bridged: 200W RMS x 2 @ 4 ohms (Ratings at 14.4V supply voltage)	<1%	>104 dBA referred to rated power	12 Hz - 22 kHz (+0, -1dB)	>150 @ 4 ohm / 50 Hz >75 @ 2 ohm / 50 Hz	2.05 in. x 8.52 in. x 7.09 in. 52 mm x 216 mm x 180 mm
XDM600/6	Class D Full-Range 600W 6 Channel Amplifier	75W RMS x 6 @ 4 ohms 100W RMS x 6 @ 2 ohms Bridged: 150W RMS x 3 @ 8 ohms Bridged: 200W RMS x 3 @ 4 ohms (Ratings at 14.4V supply voltage)	<1%	>104 dBA referred to rated power	12 Hz - 22 kHz (+0, -1dB)	>150 @ 4 ohm / 50 Hz >75 @ 2 ohm / 50 Hz	2.05 in. x 10.23 in. x 7.09 in. 52 mm x 260 mm x 180 mm
XDM800/8	Class D Full-Range 800W 8 Channel Amplifier	75W RMS x 8 @ 4 ohms 100W RMS x 8 @ 2 ohms Bridged: 150W RMS x 4 @ 8 ohms Bridged: 200W RMS x 4 @ 4 ohms (Ratings at 14.4V supply voltage)	<1%	>104 dBA referred to rated power	12 Hz - 22 kHz (+0, -1dB)	>150 @ 4 ohm / 50 Hz >75 @ 2 ohm / 50 Hz	2.05 in. x 14.73 in. x 7.09 in. 52 mm x 374 mm x 180 mm
XDM500/3	Class D Full-Range 500W 3 Channel System Amplifier	75W RMS x 2 + 180W RMS x 1 @ 4 ohms per ch. 100W RMS x 2 + 300W RMS x 1 @ 2 ohms per ch. (Ratings at 14.4V supply voltage)	<1%	>104 dBA referred to rated power (main channels); >87 dBA referred to rated power (sub channel)	Main Channels: 12 Hz - 22 kHz; Sub Channel: 10 - 1 kHz (+0, -1dB)	Subwoofer Channel: >120 @ 4 ohm / 50 Hz >60 @ 2 ohm / 50 Hz	2.05 in. x 8.52 in. x 7.09 in. 52 mm x 216 mm x 180 mm
XDM700/5	Class D Full-Range 700W 5 Channel System Amplifier with 2-Way / 3-Way Crossover	75W RMS x 4 + 180W RMS x 1 @ 4 ohms per ch. 100W RMS x 4 + 300W RMS x 1 @ 2 ohms per ch. (Ratings at 14.4V supply voltage)	<1%	>104 dBA referred to rated power (main channels); >103 dBA referred to rated power (sub channel)	Main Channels: 12 Hz - 22 kHz Sub Channel: 10 - 1 kHz (+0, -1dB)	Subwoofer Channel: >150 @ 4 ohm / 50 Hz >75 @ 2 ohm / 50 Hz	2.05 in. x 10.23 in. x 7.09 in. 52 mm x 260 mm x 180 mm
XDM1000/5	Class D Full-Range 1000W 5 Channel System Amplifier with 2-Way / 3-Way Crossover	75W RMS x 4 + 400W RMS x 1 @ 4 ohms per ch. 100W RMS x 4 + 600W RMS x 1 @ 2 ohms per ch. (Ratings at 14.4V supply voltage)	<1%	>104 dBA referred to rated power (main channels); >100 dBA referred to rated power (sub channel)	Main Channels: 12 Hz - 22 kHz Sub Channel: 10 - 1 kHz (+0, -1dB)	Subwoofer Channel: >150 @ 4 ohm / 50 Hz >75 @ 2 ohm / 50 Hz	2.05 in. x 14.73 in. x 7.09 in. 52 mm x 374 mm x 180 mm

## Amplifier Specifications (cont)

Model	Description	Continuous Power (RMS Method)	THD+N at Rated Power	S/N Ratio	Frequency Response	Damping Factor	Dimensions H x W x D
<b>RD Amplifiers</b>							
RD500/1	Monoblock Class D Subwoofer Amplifier	250W RMS x 1 @ 4 ohms 350W RMS x 1 @ 3 ohms 500W RMS x 1 @ 2 ohms (Ratings at 14.4V supply voltage)	<1%	>80 dBA referred to rated power	7 Hz - 500 Hz (+0, -1dB)	>1000 @ 4 ohms / 50 Hz >500 @ 2 ohms / 50 Hz	2.13 in x 9.78 in x 6.96 in 54 mm x 248 mm x 177 mm
RD1000/1	Monoblock Class D Subwoofer Amplifier	600W RMS x 1 @ 4 ohms 800W RMS x 1 @ 3 ohms 1000W RMS x 1 @ 2 ohms (Ratings at 14.4V supply voltage)	<1%	>80 dBA referred to rated power	7 Hz - 500 Hz (+0, -1dB)	>1000 @ 4 ohms / 50 Hz >500 @ 2 ohms / 50 Hz	2.13 in x 14.66 in x 6.96 in 54 mm x 372 mm x 177 mm
RD1500/1	Monoblock, Class D Subwoofer Amplifier (1-ohm load compatible!)	750W RMS x 1 @ 4 ohms 1000W RMS x 1 @ 3 ohms 1500W RMS x 1 @ 1-2 ohms (Ratings at 14.4V supply voltage)	<1%	>82 dBA referred to rated power	7 Hz - 500 Hz (+0, -1dB)	>1100 @ 4 ohm / 50 Hz >550 @ 2 ohm / 50 Hz	2.13 in. x 18.05 in. x 6.96 in. 54 mm x 458 mm x 177 mm
RD400/4	Class D Full-Range 400W 4 Channel Amplifier	75W RMS x 4 @ 4 ohms 100W RMS x 4 @ 2 ohms Bridged: 200W RMS x 2 @ 4 ohms (Ratings at 14.4V supply voltage)	<1%	>104 dBA referred to rated power	12 Hz - 22 kHz (+0, -1dB)	>150 @ 4 ohms per ch. / 50 Hz >75 @ 2 ohms per ch. / 50 Hz	2.13 in x 9.78 in x 6.96 in 54 mm x 248 mm x 177 mm
RD900/5	Class D Full-Range 900W 5 Channel System Amplifier	Main Ch., Stereo, all ch. driven: 70W x 4 @ 4 ohms, 100W x 4 @ 2 ohms Main Ch., Bridged, all ch. driven: 140W x 2 @ 8 ohms, 200W x 2 @ 4 ohms Sub Ch., Mono, all ch. driven: 225W x 1 @ 4 ohms, 325W x 1 @ 3 ohms, 500W x 1 @ 2 ohms (Ratings at 14.4V supply voltage)	<1%	>104 dBA referred to rated power (main channels); >87 dBA referred to rated power (sub channel)	Main Channels: 12 Hz - 22 kHz (+0, -1dB) Sub Channel: 10 Hz - 500 Hz (+0, -3dB)	Main Channels: >150 @ 4 ohms / 50 Hz >75 @ 2 ohms / 50 Hz Sub Channel: >120 @ 4 ohms / 50 Hz >60 @ 2 ohms / 50 Hz	2.13 in x 14.66 in x 6.96 in 54 mm x 372 mm x 177 mm
<b>JD Amplifiers</b>							
JD250/1	Class D Monoblock Subwoofer Amplifier	150W x 1 @ 4 ohms 200W x 1 @ 3 ohms 250W x 1 @ 2 ohms (Ratings at 14.4V supply voltage)	<1%	>80 dBA referred to rated power	7 Hz - 500 Hz (+0, -1dB)	>1000 @ 4 ohm / 50 Hz >500 @ 2 ohm / 50 Hz	2.10 in x 9.50 in x 7.50 in 53 mm x 242 mm x 190 mm
JD500/1	Class D Monoblock Subwoofer Amplifier	250W x 1 @ 4 ohms 350W x 1 @ 3 ohms 500W x 1 @ 2 ohms (Ratings at 14.4V supply voltage)	<1%	>80 dBA referred to rated power	7 Hz - 500 Hz (+0, -1dB)	>1000 @ 4 ohm / 50 Hz >500 @ 2 ohm / 50 Hz	2.10 in. x 9.50 in. x 7.50 in. 53 mm x 242 mm x 190 mm
JD1000/1D	Class D Monoblock Subwoofer Amplifier	600W x 1 @ 4 ohms 800W x 1 @ 3 ohms 1000W x 1 @ 2 ohms (Ratings at 14.4V supply voltage)	<1%	>80 dBA referred to rated power	7 Hz - 500 Hz (+0, -1dB)	>1000 @ 4 ohm / 50 Hz >500 @ 2 ohm / 50 Hz	2.10 in. x 11.40 in. x 7.50 in. 53 mm x 290 mm x 190 mm
JD400/4	Class D Four-Channel Full-Range Amplifier	75W x 4 @ 4 ohms per ch. 100W x 4 @ 2 ohms per ch. Bridged: 150W x 2 @ 8 ohms Bridged: 200W x 2 @ 4 ohms (Ratings at 14.4V supply voltage)	<1%	>104 dBA referred to rated power	12 Hz - 22 kHz (+0, -1dB)	>150 @ 4 ohm / 50 Hz >75 @ 2 ohm / 50 Hz	2.10 in. x 9.50 in. x 7.50 in. 53 mm x 242 mm x 195 mm
<b>MX Amplifiers</b>							
MX300/1	Class D, Full-Range Monoblock Amplifier	160W RMS x 1 @ 4 ohms 300W RMS x 1 @ 2 ohms (Ratings at 14.4V supply voltage)	<1%	>85 dBA referred to rated power	20 Hz - 12 kHz (+0, -1dB)	>150 @ 4 ohms / 50 Hz >75 @ 2 ohms / 50 Hz	1.77 in. x 8.66 in. x 3.09 in. 45 mm x 220 mm x 78.5 mm
MX500/1	Class D, Full-Range Monoblock Amplifier	300 W RMS x 1 @ 4 ohms 400 W RMS x 1 @ 3 ohms 500 W RMS x 1 @ 2 ohms (Ratings at 14.4V supply voltage)	<1%	>97 dBA referred to rated power	20 Hz - 12 kHz (+0, -1dB)	>115 @ 4 ohm / 50 Hz >54 @ 2 ohm / 50 Hz	1.77 in x 9.33 in x 4.50 in / 45 mm x 237 mm x 115 mm
MX280/4	Class D, Full-Range 4-Channel Amplifier	50W RMS x 4 @ 4 ohms 70W RMS x 4 @ 2 ohms Bridged: 140W RMS x 2 @ 4 ohms (Ratings at 14.4V supply voltage)	<1%	>89.5 dBA referred to rated power	20 Hz - 20 kHz (+0, -1dB)	>60 @ 4 ohms / 50 Hz >30 @ 2 ohms / 50 Hz	1.77 in. x 8.66 in. x 3.09 in. 45 mm x 220 mm x 78.5 mm
MX500/4	Class D, Full-Range 4-Channel Amplifier	70 W x 4 @ 4 ohms 125 W x 4 @ 2 ohms 250 W x 2 Bridged @ 4 ohms (Ratings at 14.4V supply voltage)	<1%	>88 dBA referred to rated power	20 Hz - 20 kHz (+0, -1dB)	>92 @ 4 ohm / 50 Hz >43 @ 2 ohm / 50 Hz	1.77 in x 9.33 in x 4.50 in / 45 mm x 237 mm x 115 mm
MX600/3	Class D Full-Range 600W 3 Channel System Amplifier	75W RMS x 2 + 250W RMS x 1 @ 4 ohms per ch. 100W RMS x 2 + 400W RMS x 1 @ 2 ohms per ch. (Ratings at 14.4V supply voltage)	<1%	>88 dBA referred to rated power	20 Hz - 20 kHz (+0, -1dB)	>92 @ 4 ohm / 50 Hz >43 @ 2 ohm / 50 Hz	1.77 in x 9.33 in x 4.50 in / 45 mm x 237 mm x 115 mm



# Subwoofer Specifications

Model	Nominal Diameter	Mounting Depth	One-Way, Linear Excursion (Xmax)*	Nominal Impedance (Znom)	Recommended RMS Amplifier Power**	Cont. Power Handling (Pt)	Recommended Sealed Enclosure	Recommended Ported Enclosure	Grille Models (Sold Separately)
<b>W7AE Subwoofers</b>									
8W7AE	8 in. 200 mm	6.83 in. 173 mm	0.75 in. 19 mm	3 ohm	200W-500W	500W	0.875 cu. ft. / 24.8 liters	1.00 cu. ft. / 28.3 liters	SGR-8W7
10W7AE	10 in. 250 mm	8.0 in. 203 mm	0.90 in. 23 mm	3 ohm	300W-750W	750W	1.25 cu. ft. / 35.4 liters	1.50 cu. ft. / 42.5 liters	SGR-10W7
12W7AE	12 in. 300 mm	9.5 in. 241 mm	1.15 in. 29 mm	3 ohm	400W-1000W	1000W	1.375 cu. ft. / 38.94 liters	1.750 cu. ft. / 49.56 liters	SGR-12W7
13W7AE	13.5 in. 343 mm	10.5 in. 267 mm	1.25 in. 32 mm	Dual 1.5 ohm	500W-1500W	1500W	1.875 cu. ft. / 53.1 liters	2.375 cu. ft. / 67.3 liters	SGR-13W7
<b>W6v3 Subwoofers</b>									
10W6v3	10 in. 250 mm	6.89 in. 175 mm	0.75 in. 19 mm	Dual 4 ohm	200W-600W	600W	0.55 cu ft / 15.57 liters	0.75 cu ft / 21.2 liters	SGR-10W6v2/ v3
12W6v3	12 in. 300 mm	7.52 in. 191 mm	0.75 in. 19 mm	Dual 4 ohm	200W-600W	600W	1.00 cu. ft. / 28.3 liters	1.30 cu. ft. / 36.8 liters	SGR-12W6v2/ v3
<b>TW5v2 Subwoofers</b>									
13TW5v2	13.5 in. 343 mm	2.625 in. 67 mm	0.433 in. 11 mm	13TW5v2-2: 2 ohm 13TW5v2-4: 4 ohm	250W-600W	600 W	0.80 cu. ft. / 22.66 liters	Not recommended	SGRU-13
<b>TW3 Subwoofers</b>									
10TW3	10 in. 250 mm	3.25 in. 83 mm	0.60 in. 15.2 mm	10TW3-D4: Dual 4 ohm 10TW3-D8: Dual 8 ohm	200W-400W	400W	0.50 cu ft / 14.16 liters 0.575 cu ft / 16.3 liters	0.60 cu ft / 17 liters 0.75 cu ft / 21.2 liters	SGR-10TW3
12TW3	12 in. 300 mm	3.50 in. 89 mm	0.60 in. 15.2 mm	12TW3-D4: Dual 4 ohm 12TW3-D8: Dual 8 ohm	200W-400W	400W	0.80 cu ft / 22.7 liters 1.00 cu ft / 28.3 liters	0.95 cu ft / 26.9 liters 1.3 cu ft / 36.8 liters	SGR-12TW3
<b>W3v3 Subwoofers</b>									
6W3v3	6.5 in. 165 mm	4.25 in. 108 mm	0.35 in. 8.9 mm	4 ohm	50W-150W	150W	0.15 cu. ft. / 4.2 liters	0.25 cu. ft. / 7.1 liters	SGRU-6
8W3v3	8 in. 200 mm	4.63 in. 118 mm	0.375 in. 9.5 mm	4 ohm	75W-250W	250W	0.30 cu. ft. / 8.5 liters	0.35 cu. ft. / 9.9 liters	SGRU-8
10W3v3	10 in. 250 mm	5.93 in. 151 mm	0.550 in. 14.0 mm	10W3v3-2: 2 ohm 10W3v3-4: 4 ohm	150W-500W	500W	0.625 cu. ft. / 17.7 liters	10W3v3-2: 1.250 cu. ft. / 35.4 liters 10W3v3-4: 1.125 cu. ft. / 31.9 liters	SGRU-10
12W3v3	12 in. 300 mm	6.65 in. 169 mm	0.510 in. 13.0 mm	12W3v3-2: 2 ohm 12W3v3-4: 4 ohm	150W-500W	500W	12W3v3-2: 1.250 cu. ft. / 35.4 liters 12W3v3-4: 1.125 cu. ft. / 31.8 liters	1.75 cu. ft. / 49.6 liters	SGRU-12
13W3v3	13.5 in. 343 mm	7.63 in. 194 mm	0.610 in. 15.5 mm	13W3v3-2: 2 ohm 13W3v3-4: 4 ohm	150W-600W	600W	13W3v3-2: 1.75 cu. ft. / 49.6 liters 13W3v3-4: 1.50 cu. ft. / 42.5 liters	13W3v3-2: 2.50 cu. ft. / 70.8 liters 13W3v3-4: 2.25 cu. ft. / 63.7 liters	SGRU-13
<b>TW1 Subwoofers</b>									
10TW1	10 in. 250 mm	4.36 in. 111 mm	0.40 in. 10.0 mm	10TW1-2: 2 ohm 10TW1-4: 4 ohm	75W-300W	300W	0.35 cu ft / 9.91 liters	0.625 cu ft / 17.7 liters	Included
12TW1	12 in. 300 mm	4.62 in. 117 mm	0.40 in. 10.0 mm	12TW1-2: 2 ohm 12TW1-4: 4 ohm	75W-300W	300W	0.65 cu ft / 18.41 liters	1.125 cu ft / 31.86 liters	Included
<b>W1v3 Subwoofers</b>									
8W1v3	8 in. 200 mm	3.86 in. 98 mm	0.30 in. 8 mm	4 ohm	50W-150W	150W	0.25-0.35 cu. ft. / 7.1-9.9 liters	0.50cu. ft. / 14.2 liters	SGRU-8
10W1v3	10 in. 250 mm	4.6 in. 117 mm	0.45 in. 11 mm	10W1v3-2: 2 ohm 10W1v3-4: 4 ohm	75W-300W	300W	0.55 cu. ft. / 15.6 liters	0.90 cu. ft. / 25.5 liters	SGRU-10
12W1v3	12 in. 300 mm	5.41 in. 137 mm	0.45 in. 11 mm	12W1v3-2: 2 ohm 12W1v3-4: 4 ohm	75W-300W	300W	1.10 cu. ft. / 31.5 liters	1.60 cu. ft. / 45.3 liters	SGRU-12
<b>W0v3 Subwoofers</b>									
10W0v3	10 in. 250 mm	4.9 in. 124 mm	0.45 in. 11.4 mm	4 ohm	75W-300W	300W	0.65 cu. ft. / 18.4 liters	1.125 cu. ft. / 31.86 liters	SGRU-10
12W0v3	12 in. 300 mm	5.4 in. 137 mm	0.45 in. 11.4 mm	4 ohm	75W-300W	300W	1.375 cu. ft. / 38.9 liters	1.75 cu. ft. / 39.56 liters	SGRU-12
15W0v3	15 in. 380 mm	7.15 in. 182 mm	0.50 in. 12.7 mm	4 ohm	150W-500W	500W	1.875 cu. ft. / 53.1 liters	2.75 cu. ft. / 77.88 liters	SGRU-15

\* **One-Way Linear Excursion (Xmax):** Specifications are derived via one-way voice coil overhang method with no correction factors applied.

\*\* **Recommended RMS Amplifier Power for Subwoofers:** This is the RMS amplifier power recommended by JL Audio for each driver. Choosing a good quality amplifier in this power range will make use of the woofer's low-distortion performance envelope, without undue risk of failure. Use of less than the recommended power range may not damage the woofer but may result in unsatisfactory performance. Caution must be exercised when using amplifiers that approach or meet the maximum recommended power. Use of an amplifier that exceeds the driver's "Continuous Power Handling (Pt)" specification voids the warranty.

# Speaker Specifications

Model	Description	Grilles Included?	Recommended RMS Amplifier Power*	Continuous Power Handling (Pt)	System Efficiency	Nominal Impedance	Frequency Response
<b>C7 Components</b>							
C7-650cw	Component Woofer: 6.50 in. / 165 mm; Sold individually	Yes	50 - 175 Watts / Ch.	125W / Ch.	87.0 dB @ 1W/1m	4 ohms	N/A - Active Systems
C7-350cm	Component Midrange: 3.5 in. / 90 mm; Sold individually	Yes	50 - 150 Watts / Ch.	100W / Ch.	86.5 dB @ 1W/1m	4 ohms	N/A - Active Systems
C7-100ct	1-inch (25mm) Corundum ceramic coated aluminum alloy diaphragm. Neodymium magnet. Sold individually	Yes	50 - 150 Watts / Ch.	100W / Ch.	86.5 dB @ 1W/1m	4 ohms	N/A - Active Systems
<b>C3 Convertible Component Systems</b>							
C3-525	Convertible Component Systems: 5.25 in. / 130 mm Woofers; 1.0 in. / 25 mm Silk Dome Tweeters	Yes	25 - 150 Watts / Ch.	75W / Ch.	90.0 dB @ 1W/1m	4 ohms	48 Hz - 25 kHz ± 3 dB
C3-570	Convertible Component Systems: 5.0 x 7.0 in. / 125 x 180 mm Woofers; 1.0 in. / 25 mm Silk Dome Tweeters	No	25 - 150 Watts / Ch.	75W / Ch.	90.0 dB @ 1W/1m	4 ohms	48 Hz - 25 kHz ± 3 dB
C3-600	Convertible Component Systems: 6.0 in. / 150 mm Woofers; 1.0 in. / 25 mm Silk Dome Tweeters	Yes	25 - 150 Watts / Ch.	75W / Ch.	90.0 dB @ 1W/1m	4 ohms	50 Hz - 25 kHz ± 3 dB
C3-650	Convertible Component Systems: 6.5 in. / 165 mm Woofers; 1.0 in. / 25 mm Silk Dome Tweeters	Yes	25 - 150 Watts / Ch.	75W / Ch.	90.0 dB @ 1W/1m	4 ohms	48 Hz - 25 kHz ± 3 dB
<b>C2 Component and Coaxial Systems</b>							
C2-350x	3.5-inch (90mm) Coaxial with 0.75-inch (19mm) silk dome tweeter.	No	10 - 40 Watts / Ch.	25W / Ch.	83.0 dB @ 1W/1m	4 ohms	130 Hz - 22 kHz ± 3 dB
C2-400x	4-inch (100mm) Coaxial with 0.75-inch (19mm) silk dome tweeter. Includes 4 x 6-inch adaptor plate.	Yes	10 - 50 Watts / Ch.	35W / Ch.	84.5 dB @ 1W/1m	4 ohms	71 Hz - 22 kHz ± 3 dB
C2-525x	5.25-inch (130mm) Coaxial with 0.75-inch (19mm) silk dome tweeter.	Yes	15 - 100 Watts / Ch.	60W / Ch.	89.0 dB @ 1W/1m	4 ohms	63 Hz - 22 kHz ± 3 dB
C2-525	Component Systems with 5.25-inch (130mm) woofer and 0.75-inch (19mm) silk dome tweeter.	Yes	15 - 100 Watts / Ch.	60W / Ch.	89.0 dB @ 1W/1m	4 ohms	63 Hz - 22 kHz ± 3 dB
C2-570x	5 x 7 / 6 x 8-inch (125 x 180mm) Coaxial with 0.75-inch (19mm) silk dome tweeter.	No	15 - 100 Watts / Ch.	60W / Ch.	90.5 dB @ 1W/1m	4 ohms	53 Hz - 22 kHz ± 3 dB
C2-600x	6-inch (150mm) Coaxial with 0.75-inch (19mm) silk dome tweeter.	Yes	15 - 100 Watts / Ch.	60W / Ch.	90.5 dB @ 1W/1m	4 ohms	59 Hz - 22 kHz ± 3 dB
C2-600	Component Systems with 6.0-inch (150mm) woofer and 0.75-inch (19mm) silk dome tweeter.	Yes	15 - 100 Watts / Ch.	60W / Ch.	90.5 dB @ 1W/1m	4 ohms	59 Hz - 22 kHz ± 3 dB
C2-650x	6.5-inch (165mm) Coaxial with 0.75-inch (19mm) silk dome tweeter.	Yes	15 - 100 Watts / Ch.	60W / Ch.	91.0 dB @ 1W/1m	4 ohms	59 Hz - 22 kHz ± 3 dB
C2-650	Component Systems with 6.5-inch (165mm) woofer and 0.75-inch (19mm) silk dome tweeter.	Yes	15 - 100 Watts / Ch.	60W / Ch.	91.0 dB @ 1W/1m	4 ohms	59 Hz - 22 kHz ± 3 dB
C2-690tx	6 x 9-inch (150 x 230mm) 3-Way with 2-inch (51mm) midrange and 0.75-inch (19mm) silk dome tweeter.	Yes	15 - 125 Watts / Ch.	70W / Ch.	93.0 dB @ 1W/1m	4 ohms	53 Hz - 22 kHz ± 3 dB
<b>C1 Component and Coaxial Systems</b>							
C1-075ct	0.75-inch (19mm) Aluminum Dome Tweeter with neodymium magnet. Inline high-pass filter included.	No	20 - 50 Watts / Ch.	50W / Ch.	91.0 dB @ 1W/1m	4 ohms	4 kHz - 24 kHz ± 3 dB
C1-100ct	1-inch (25mm) Aluminum Dome Tweeter with neodymium magnet. Inline high-pass filter included.	No	20 - 60 Watts / Ch.	60W / Ch.	91.5 dB @ 1W/1m	4 ohms	3.6 kHz - 22 kHz ± 3 dB
C1-400x	4-inch (100mm) Coaxial with 0.75-inch (19mm) aluminum dome tweeter.	No	10 - 50 Watts / Ch.	35W / Ch.	84.5 dB @ 1W/1m	4 ohms	64 Hz - 24 kHz ± 3 dB
C1-525x	5.25-inch (130mm) Coaxial with 0.75-inch (19mm) aluminum dome tweeter.	No	10 - 75 Watts / Ch.	50W / Ch.	89.0 dB @ 1W/1m	4 ohms	54 Hz - 24 kHz ± 3 dB
C1-570x	5 x 7 / 6 x 8-inch (125 x 180mm) Coaxial with 0.75-inch (19mm) aluminum dome tweeter.	No	10 - 75 Watts / Ch.	50W / Ch.	90.5 dB @ 1W/1m	4 ohms	40 Hz - 24 kHz ± 3 dB
C1-650x	6.5-inch (165mm) Coaxial with 0.75-inch (19mm) aluminum dome tweeter.	No	10 - 75 Watts / Ch.	50W / Ch.	90.5 dB @ 1W/1m	4 ohms	48 Hz - 24 kHz ± 3 dB
C1-650	Component System with 6.5-inch (165mm) woofer and 0.75-inch (19mm) aluminum dome tweeter. Inline high-pass filter included.	No	10 - 75 Watts / Ch.	50W / Ch.	90.0 dB @ 1W/1m	4 ohms	48 Hz - 24 kHz ± 3 dB
C1-690x	6 x 9-inch (150 x 230mm) Coaxial with 1-inch (25mm) aluminum dome tweeter.	No	10 - 100 Watts / Ch.	60W / Ch.	91.5 dB @ 1W/1m	4 ohms	39 Hz - 22 kHz ± 3 dB
C1-690tx	6 x 9-inch (150 x 230mm) 3-Way with 1-inch (25mm) and 0.75-inch (19mm) aluminum dome tweeter.	No	10 - 100 Watts / Ch.	60W / Ch.	90.5 dB @ 1W/1m	4 ohms	36 Hz - 24 kHz ± 3 dB
C1-690	Component System with 6 x 9-inch (150 x 230mm) woofer and 1-inch (25mm) aluminum dome tweeter. Inline high-pass filter included.	No	10 - 100 Watts / Ch.	60W / Ch.	91.5 dB @ 1W/1m	4 ohms	39 Hz - 22 kHz ± 3 dB

\* **Recommended RMS Amplifier Power for Full-Range Speakers (Components and Coaxials):** This is the RMS amplifier power recommended by JL Audio for each speaker system (per channel). A properly set, good quality amplifier in this power range will produce clean, dynamic audio without undue risk of failure when listening to music. Failure to set the amplifier's input sensitivity correctly will compromise reliability. Use of less than the recommended power range will not damage the speakers but may result in unsatisfactory performance. Use of more power than recommended will compromise reliability with aggressive use and will void the warranty.



## H.O. Wedge™ / ProWedge™ Specifications

Model	Driver(s)	Recommended RMS Amplifier Power*	Continuous Power Handling (Pt)	Impedance	Enclosure Type	Finish	Dimensions H x W x D
<b>W7AE H.O. Wedge™ - Slot-Ported</b>							
HO112R-W7AE	One 12W7AE-3	400W-1000W	1000W	3Ω mono	High-Output, Chamber-coupled, slot-ported, rear-firing design	High-grade dark gray automotive carpet with black insert, JL Audio Made IN USA embroidered logo, & five-way binding post connectors	17.00 in. x 34.00 in. x 20.50 in. 432 mm x 864 mm x 521 mm
<b>W6v3 H.O. Wedge™ - Slot-Ported</b>							
HO110-W6v3	One 10W6v3-D4	200W-600W	600W	2Ω mono	High-Output, Chamber-coupled, slot-ported, rear-firing design	High-grade dark gray automotive carpet with black insert, JL Audio Built In USA embroidered logo, & five-way binding post connectors	14.00 in. x 12.125 in. x 21.75 in. 356 mm x 308 mm x 552 mm
HO112-W6v3	One 12W6v3-D4	200W-600W	600W	2Ω mono	High-Output, Chamber-coupled, slot-ported, rear-firing design	High-grade dark gray automotive carpet with black insert, JL Audio Built In USA embroidered logo, & five-way binding post connectors	16.00 in. x 14.5 in. x 24 in. 406 mm x 368 mm x 610 mm
<b>W3v3 H.O. Wedge™ - Slot-Ported</b>							
HO110RG-W3v3	One 10W3v3-2	150W-500W	500W	2Ω mono	High-Output, Chamber-coupled, slot-ported, rear-firing design	High-grade dark gray carpet with black insert, JL Audio Made IN USA embroidered logo, & five-way binding post connectors. Three solid, brushed aluminum rods provide stylish woofer protection.	13.50 in. x 29.50 in. x 12.00 in. 343 mm x 749 mm x 305 mm
HO112RG-W3v3	One 12W3v3-2	150W-500W	500W	2Ω mono	High-Output, Chamber-coupled, slot-ported, rear-firing design	High-grade dark gray carpet with black insert, JL Audio Made IN USA embroidered logo, & five-way binding post connectors. Three solid, brushed aluminum rods provide stylish woofer protection.	15.25 in. x 32.25 in. x 13.50 in. 387 mm x 819 mm x 343 mm
<b>W7AE ProWedge™ - Sealed</b>							
CLS110RG-W7AE	One 10W7AE-3	300W-750W	750W	3Ω mono	Sealed, rear-firing	High-grade black carpet with a gloss-black laminate front baffle trim featuring engraved "JL Audio" and "W7" logos. Three solid, brushed aluminum rods provide stylish woofer protection.	14.625 in. x 17.75 in. x 16.625 in. 371 mm x 451 mm x 422 mm
CLS112RG-W7AE	One 12W7AE-3	400W-1000W	1000W	3Ω mono	Sealed, rear-firing	High-grade black carpet with a gloss-black laminate front baffle trim featuring engraved "JL Audio" and "W7" logos. Three solid, brushed aluminum rods provide stylish woofer protection.	15.75 in. x 21.25 in. x 15.25 in. 400 mm x 540 mm x 387 mm
CLS113RG-W7AE	One 13W7AE-D1.5	500W-1500W	1500W	3Ω mono	Sealed, rear-firing	High-grade black carpet with a gloss-black laminate front baffle trim featuring engraved "JL Audio" and "W7" logos. Three solid, brushed aluminum rods provide stylish woofer protection.	18.25 in. x 22.50 in. x 18.25 in. 464 mm x 572 mm x 464 mm

\* **Recommended RMS Amplifier Power for Enclosed Subwoofer Systems:** This is the RMS amplifier power recommended by JL Audio for each enclosed system. Choosing a good quality amplifier in this power range will make use of the system's low-distortion performance envelope, without undue risk of failure. Use of less than the recommended power range may not damage the woofer(s) but may result in unsatisfactory performance. Caution must be exercised when using amplifiers that approach or meet the maximum recommended power. Use of an amplifier that exceeds the driver's "Continuous Power Handling (Pt)" specification voids the warranty.

# MicroSub™ / MicroSub+™ / PowerWedge™ / PowerWedge+™ / BassWedge™ Specifications

Model	Driver(s)	Recommended RMS Amplifier Power*	Continuous Power Handling (Pt)	Impedance	Enclosure Type	Finish	Dimensions H x W x D
<b>W3v3 &amp; TW1 MicroSub™ - Slot-Ported</b>							
CP106LG-W3v3	One 6W3v3-4	50W-150W	150W	4Ω mono	Flared slot-port low-profile design.	State-of-the-art CNC construction, steel-mesh grille, five-way binding post connectors, high-grade black automotive carpet, & JL Audio Made In USA embroidered logo	9.625 in. x 14.125 in. x 5.125 in. 245 mm x 359 mm x 130 mm
CP108LG-W3v3	One 8W3v3-4	75W-250W	250W	4Ω mono	Flared slot-port low-profile design.	State-of-the-art CNC construction, steel-mesh grille, five-way binding post connectors, high-grade black automotive carpet, & JL Audio Made In USA embroidered logo	11.00 in. x 18.625 in. x 5.125 in. 279 mm x 473 mm x 130 mm
CP208LG-W3v3	Two 8W3v3-4	200W-500W	500W	2Ω mono	Flared slot-port low-profile design.	State-of-the-art CNC construction, steel-mesh grilles, five-way binding post connectors, high-grade black automotive carpet, & JL Audio Made In USA embroidered logo	11.00 in. x 35.50 in. x 5.125 in. 279 mm x 902 mm x 130 mm
CP110LG-TW1	One 10TW1-2	75W-300W	300W	2Ω mono	Flared slot-port low-profile design.	State-of-the-art CNC construction, steel-mesh grille, five-way binding post connectors, high-grade black automotive carpet, & JL Audio Built In USA embroidered logo	13.25 in. x 20.875 in. x 6.375 in. 337 mm x 530 mm x 162 mm
CP112LG-TW1	One 12TW1-2	75W-300W	300W	2Ω mono	Flared slot-port low-profile design.	State-of-the-art CNC construction, steel-mesh grille, five-way binding post connectors, high-grade black automotive carpet, & JL Audio Built In USA embroidered logo	15.75 in. x 23.75 in. x 9.25 in. 400 mm x 603 mm x 235 mm
<b>W3v3 &amp; TW1 MicroSub+™ - Slot-Ported with built-in amplifier</b>							
ACP108LG-W3v3	One 8W3v3-0.4	Built-in amplifier 250W @ 0.4 ohms		0.4Ω mono	Flared slot-port low-profile design.	State-of-the-art CNC construction, steel-mesh grille, high-grade black automotive carpet, & JL Audio Built In USA embroidered logo	11.125 in. x 18.50 in. x 5.125 in. 283 mm x 470 mm x 130 mm
ACP208LG-W3v3	Two 8W3v3-0.4	Built-in amplifier 500W @ 0.2 ohms		0.2Ω mono	Flared slot-port low-profile design.	State-of-the-art CNC construction, steel-mesh grilles, high-grade black automotive carpet, & JL Audio Built In USA embroidered logo	11.125 in. x 35.625 in. x 5.125 in. 283 mm x 905 mm x 130 mm
ACP110LG-TW1	One 10TW1-0.25	Built-in amplifier 400W @ 0.25 ohms		0.25Ω mono	Flared slot-port low-profile design.	State-of-the-art CNC construction, steel-mesh grille, high-grade black automotive carpet, & JL Audio Built In USA embroidered logo	13.50 in. x 21.00 in. x 6.625 in. 343 mm x 533 mm x 168 mm
ACP112LG-TW1	One 12TW1-0.25	Built-in amplifier 400W @ 0.25 ohms		0.25Ω mono	Flared slot-port low-profile design.	State-of-the-art CNC construction, steel-mesh grille, high-grade black automotive carpet, & JL Audio Built In USA embroidered logo	15.75 in. x 23.75 in. x 9.25 in. 400 mm x 603 mm x 235 mm
<b>TW3 &amp; TW1 PowerWedge™ - Low-Profile, Sealed</b>							
CS110LG-TW3	One 10TW3-D4	100W-400W	400W	2Ω mono	Sealed, low-profile design	State-of-the-art CNC construction, steel-mesh grille, five-way binding post connectors, high-grade black automotive carpet, & JL Audio Built In USA logo	14.00 in. x 20.75 in. x 4.50 in. 356 mm x 527 mm x 114 mm
CS112LG-TW3	One 12TW3-D4	100W-400W	400W	2Ω mono	Sealed, low-profile design	State-of-the-art CNC construction, steel-mesh grille, five-way binding post connectors, high-grade black automotive carpet, & JL Audio Built In USA logo	15.625 in. x 23.75 in. x 5.063 in. 397 mm x 603 mm x 129 mm
CS110LG-TW1-2	One 10TW1-2	75W-300W	300W	2Ω mono	Sealed, low-profile design	State-of-the-art CNC construction, steel-mesh grille, five-way binding post connectors, high-grade black automotive carpet, & JL Audio Built In USA logo	11.75 in. x 15.00 in. x 5.563 in. 298 mm x 381 mm x 141 mm
CS112LG-TW1-2	One 12TW1-2	75W-300W	300W	2Ω mono	Sealed, low-profile design	State-of-the-art CNC construction, steel-mesh grille, five-way binding post connectors, high-grade black automotive carpet, & JL Audio Built In USA logo	13.75 in. x 18.00 in. x 6.625 in. 349 mm x 457 mm x 168 mm
CS210LG-TW1	Two 10TW1-4	150W-600W	600W	2Ω mono	Sealed, low-profile design	State-of-the-art CNC construction, steel-mesh grilles, five-way binding post connectors, high-grade black automotive carpet, & JL Audio Built In USA logo	11.75 in. x 22.00 in. x 7.313 in. 298 mm x 559 mm x 186 mm
CS212LG-TW1	Two 12TW1-4	150W-600W	600W	2Ω mono	Sealed, low-profile design	State-of-the-art CNC construction, steel-mesh grilles, five-way binding post connectors, high-grade black automotive carpet, & JL Audio Built In USA logo	14.00 in. x 26.25 in. x 8.875 in. 356 mm x 667 mm x 225 mm
<b>TW1 PowerWedge+™ - Low-Profile, Sealed with built-in amplifier</b>							
ACS110LG-TW1	One 10TW1-0.25	Built-in amplifier 400W @ 0.25 ohms		0.25Ω mono	Sealed, low-profile design	State-of-the-art CNC construction, steel-mesh grille, high-grade black automotive carpet, & JL Audio Built In USA embroidered logo	11.125 in. x 18.50 in. x 5.00 in. 283 mm x 470 mm x 127 mm
ACS112LG-TW1	One 12TW1-0.25	Built-in amplifier 400W @ 0.25 ohms		0.25Ω mono	Sealed, low-profile design	State-of-the-art CNC construction, steel-mesh grille, high-grade black automotive carpet, & JL Audio Built In USA embroidered logo	13.50 in. x 21.00 in. x 6.625 in. 343 mm x 533 mm x 168 mm
<b>Truck PowerWedge™ - Sealed</b>							
CS113TG-TW5v2	One 13TW5v2-2	250W-600W	600W	2Ω mono	Sealed, truck enclosure	State-of-the-art CNC construction, steel-mesh grille, five-way binding post connectors, high-grade black automotive carpet, & JL Audio Built In USA logo	15.75 in. x 21.25 in. x 7.25 in. 400 mm x 540 mm x 184 mm
CS110TG-TW3	One 10TW3-D4	100W-400W	400W	2Ω mono	Sealed, truck enclosure	State-of-the-art CNC construction, steel-mesh grille, five-way binding post connectors, high-grade black automotive carpet, & JL Audio Built In USA logo	12.375 in. x 19 in. x 6.25 in. 314 mm x 483 mm x 159 mm
CS112TG-TW3	One 12TW3-D4	100W-400W	400W	2Ω mono	Sealed, truck enclosure	State-of-the-art CNC construction, steel-mesh grille, five-way binding post connectors, high-grade black automotive carpet, & JL Audio Built In USA logo	15.625 in. x 23.75 in. x 5.063 in. 397 mm x 603 mm x 129 mm
<b>W0v3 BassWedge™ - Slot-Ported</b>							
CP110-W0v3	One 10W0v3-4	75W-300W	300W	4Ω mono	Slot-ported, rear or down-firing	MDF Construction, push-terminal connectors, dark gray automotive carpet, embroidered JL Audio and Slot-Ported BassWedge logos	13.77 in. x 15.28 in. x 17.38 in. 350 mm x 388 mm x 441 mm
CP112-W0v3	One 12W0v3-4	75W-300W	300W	4Ω mono	Slot-ported, rear or down-firing	MDF Construction, push-terminal connectors, dark gray automotive carpet, embroidered JL Audio and Slot-Ported BassWedge logos	15.18 in. x 16.31 in. x 20.33 in. 386 mm x 414 mm x 516 mm
CP210-W0v3	Two 10W0v3-4	150W-600W	600W	2Ω mono	Slot-ported, rear or down-firing	MDF Construction, push-terminal connectors, dark gray automotive carpet, embroidered JL Audio and Slot-Ported BassWedge logos	13.77 in. x 29.61 in. x 17.38 in. 350 mm x 752 mm x 441 mm
CP212-W0v3	Two 12W0v3-4	150W-600W	600W	2Ω mono	Slot-ported, rear or down-firing	MDF Construction, push-terminal connectors, dark gray automotive carpet, embroidered JL Audio and Slot-Ported BassWedge logos	15.18 in. x 31.375 in. x 20.33 in. 386 mm x 797 mm x 516 mm

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