



CATALOG
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CAR AUDIO FOR FANATICS



ID MAX v.3 SUBWOOFER

IDMAX Subwoofers provide the highest level of performance, a blend of power and grace able to reproduce the subtlest details at even the lowest frequencies at extremely high output levels. With its high power handling of 1000 watts RMS and high measured efficiency it is truly a very high output subwoofer. Volume of displacement and efficiency are the only measures of what true output can be expected from a subwoofer. The IDMAX truly delivers power levels that are attainable without modified charging systems.

	Power	XMax	Sealed ft ³	Ported ft ³
10"	200-1000	24.6mm	0.90	1.50
12"	200-1000	24.6mm	1.50	2.50



IDMAX SUBWOOFER CONSTRUCTION:

Surround- Parabolic surround roll profile provides 3.50" of excursion without reducing piston diameter of cone for larger displacement than wide surround profiles with smaller cone piston areas chosen by other subwoofer manufacturers.

Cone- Structural pressed paper composite cone. Pressed long strand paper pulp reinforced with glass fiber and impregnated with resin. The concave cone profile and ultra rigid cone material creates a piston of incredible strength and very low mass. This cone structure is devoid of noise and resonance and withstands the stresses of high SPL.

Voice Coil Attachment- RaDiaToR System, an aluminum Radiant Diametric Torsional Reinforcement, virtually eliminates two common failures in high performance subwoofers, heat and mechanical failures at the cone/coil juncture. The RaDiaToR system removes large amounts of heat from the voice coil, and locks the cone & voice coil together while reinforcing the cone.

Spider / damper - Flexible tinsel leads are woven into the long life Nomex cloth of the very high excursion spider preventing failures caused by mechanical fatigue or electrical arcing.

Voice coil and Former- High-Temp flat wound flat wire dual voice coils maintain a higher winding density in the voice coil gap producing more output from each watt of amplifier input for an advantage over conventional round wire winding methods.

Very high power handling- The large motor structure and RaDiaToR system result in very high power handling capabilities with recommended amplifier power range of 200 to 1000 watts RMS.

Small enclosure Sizes- Work in compact enclosures with sealed enclosure sizes from 1.1 ft³ to 1.7 ft³. Ported enclosures from 2.0 to 2.75 ft³ for increased output levels.

Large piston area- Unique parabolic surround profile allows for 3.50" (88.9mm) peak to peak surround excursion without any reduction in cone diameter.

Long Excursion- Motor assembly has linear excursion with all windings still in the gap of 1.77" (45mm) and linear excursion to 70% of at rest BL of 2.09" (53mm). Yields a much larger volume of displacement for a given driver size for a large advantage over competitive designs.

High Output Design- The IDMAX is unique in its ability to maintain high efficiency and large displacement while having extremely long excursion, giving it the true ability to reach extremely high output levels. 1w/1m ground plane measurement is 93.6 dB averaged 50 Hz to 100hz is unmatched by any competitive driver.

Very light moving assembly- The moving assembly including cone, surround, radiator, voice coil and former were engineered to keep mass at a minimum so that a high compliance suspension could be used. This maximizes efficiency and output over the subwoofers entire frequency range.

IDQ v.3 SUBWOOFER

The all new **IDQ V.3** subwoofers redefine performance for small enclosure subwoofers. Articulate and detailed with proper tonal accuracy at even extreme volume levels. They provide the incredible dynamic impact necessary while attaining extreme low frequency extension from the smallest of enclosure sizes.

The removable core assembly allows you to custom match the basket color to your installation. Another feature of the removable core assembly is if the subwoofer ever requires service it allows you to replace the whole moving assembly quickly and easily.

IDQ SUBWOOFER CONSTRUCTION:

Composite Basket- Fiberglass composite material provides a very high strength rigid non-resonant basket.

Rubber Surround- Parabolic surround roll profile provides long excursion without reducing piston diameter

Voice Coil Attachment- The IDQ V.3 utilizes a proprietary design that interlocks the cone spider and voice coil together as an assembly.



Poly Mica Cone- Ultra rigid design mica reinforced polypropylene

Spyder/Damper- Long life Nomex with integral flexible leads

Voice Coil- High temp aluminum wire wound on black anodized aluminum former

Motor Structure- Motor structures for the IDQV.3 are highly refined using the latest in finite element analysis

	Power	XMax	Sealed ft ³	Ported ft ³
10"	50-500	17.0mm	0.70	1.00
12"	50-750	17.0mm	0.90	1.50



ID v.3 SUBWOOFER

The **ID V.3 subwoofers** provide amazing performance with high output and great sound quality, all for a very reasonable price. Their high performance capability is the result of optimized motor and suspension designs that yields very high linear excursion capability. The ID series provide the right balance of sound quality, high output levels and cosmetic appearance with great performance even from lower powered amplifiers.

	Power	XMax	Sealed ft ³	Ported ft ³
8"	50-350	15.5mm	0.40	0.75
10"	100-400	17.0mm	0.75	1.30
12"	100-400	17.0mm	1.25	2.00
15"	100-700	14.0mm	1.50	2.20

XS

COMPONENT SYSTEM

Woofer Features

- Composite multi layer ceramic fiber and Rohacell cones structure
- External ring Neodymium Magnet Motor Structure
- Nomex spiders with progressive roll design
- Parabolic rubber surround reduces moving mass and increases cone area
- Fiberglass composite non-resonant basket designed to eliminate reflective distortion

Tweeter Features

- 28 mm hand coated soft silk dome
- Removable face plate and grill assembly
- Multiple mounting options, separate and coaxial
- High grade neodymium motor structure
- Aluminum wire voice coil
- Mounting depth .85"

Crossover Features

- Metalized Polypropylene capacitors
- Low loss 16 gauge air core inductors
- Different crossover alignments for different mounting configurations
- Custom tooled case that is worthy of highlight in your installation

		Power	Impedance	Sens	Freq Response	Depth
XS28	28mm	100watts	4 Ohms	93dB	900Hz-25kHz	.85"
XS65	6.5"	25-250watts	4 Ohms	92dB	55Hz-25kHz	3.0"
XS57	5x7"	25-250watts	4 Ohms	92dB	55Hz-25kHz	2.7"
XS69	6x9"	25-300watts	4 Ohms	93dB	45Hz-25kHz	3.6"



The XS Series Components from Image Dynamics are the culmination of a engineering driven research and development project to produce sound performance that is without compromise. Powerfully detailed and dynamic in their musical output, they excel in the challenging automotive acoustic environment. XS Hybrid Components produce midrange with presence and detail without

any coloration. The mid-bass carries weight and impact, and the highs are alive with detail and clarity without fatiguing harshness. Available in 6.5" 5x7" and 6x9" models.

An innovative speaker system, the XS Series allows multiple tweeter mounting options for the best in-car performance and ease of installation.



Components available separately.



CTX 65cs COMPONENT SYSTEM

CTX Component Speakers are the affordable solution for the sound enthusiast seeking a high performance speaker system. Their high efficiency provides incredible detail and very high output levels while producing rich well-balanced sound with excellent tonal characteristics.

More than the sum of the parts, the CTX components feature a long excursion mid-woofer design that handles high-power

amplifiers effortlessly with low distortion allowing higher output levels. The Silk dome CTX tweeters deliver the dynamics and detail without listening fatigue or harshness.

The CTX components performance is the product of proper materials and a well executed engineering design. This translates to neodymium magnet silk dome tweeters with swivel mount, mica-polymer composite cones that are stiff, yet light and

well-damped butyl rubber surrounds. Crossover with 250 volt metalized polypropylene capacitors air core inductors and 3 position tweeter level control.

CTX 65CS

	Power	Impedance	Sens	Freq Response	Depth
6.5"	25-200watts	4 Ohms	89dB	55Hz-25kHz	2.75"



CXS v.2 COMPONENT SYSTEM

Components available separately.

The New Chameleon CXS version 2 component separates are a truly innovative new speaker system. Their easy to change tweeter mounting allows you to choose the best mounting method for your vehicle.

Installation versatility was only one of our goals when engineering the CXS separates.



A TRULY INNOVATIVE SPEAKER SYSTEM THAT CHANGES LIKE A CHAMELEON

CXS CHAMELEON SEPARATES:

The **CXS component sets** are available in 6.5" with a choice of 2 ohm or 4 ohm versions. The Chameleon separates consist of pairs of CX midbass drivers, XS28 tweeters and crossovers.

The **XS28 tweeter** reproduces even the most complex musical passages with stunning clarity, dynamics, and detail without harshness or listening fatigue. Their very smooth frequency response, both on and off axis, allows them to excel in many different mounting locations.

The **Passive Crossovers** bring together the performance of the XS28 and the CX mid-bass/midrange drivers. To properly match the output of the XS28, they are equipped with adjustable crossover frequency and tweeter level.

The **CX mid-bass/midrange drivers** are detailed, articulate, and have intense dynamic impact with exceptional clarity. They reproduce the finest details of the midrange while reproducing the mid-bass range with intense dynamics and exceptional transient response. Their performance provides a truly exciting listening experience.



We set out to attain a level of fidelity that is unrivaled at any price. The result is a speaker system that provides superior resolution of details through the critical midrange and high frequencies with incredible dynamics and sonic realism. Their superior performance will be immediately apparent with your first listen to the CXS.

		Power	Impedance	Sens	Freq Response	Depth
CXS62v2	6.5"	25-250watts	2 Ohms	90dB	65Hz-25kHz	3.0"
CXS64v2	6.5"	25-250watts	4 Ohms	90dB	65Hz-25kHz	3.0"



Q SERIES AMPLIFIERS

Introducing the Q series amplifiers. Each of the Q series amplifiers are a combination of detailed musical performance with impressive power and dynamics in a compact chassis. They utilize the finest available electronics for outstanding sound quality and reliability. The only features you will find are those that enhance the power and performance, or ease the integration into your audio system.

	450.4	700.2	600.1	1200.1
Channels	4 CH	2 CH	1 CH	1 CH
Rated Power	14.4 VDC	14.4 VDC	14.4 VDC	14.4 VDC
4-ohms	75 x 4 watts RMS	175 x 2 watts RMS	200 x 1 watts RMS	400 x 1 watts RMS
2-ohms	100 x 4 watts RMS	325 x 2 watts RMS	400 x 1 watts RMS	800 x 1 watts RMS
4-ohms Mono	200 x 2 watts RMS	650 x 1 watts RMS	600 x 1 watts RMS	1200 x 1 watts RMS
Frequency Response	10Hz ~ 30Khz +/- .5 dB	10Hz ~ 30Khz +/- .5 dB	10Hz ~ 30Khz +/- .5 dB	10Hz ~ 30Khz +/- .5 dB
THD + Noise	<.1 %	<.1 %	<.1 %	<.1 %
S/N Ratio	>100 dB	>100 dB	>98 dB	>98 dB
Input sensitivity	150mV ~ 5.0V RMS	150mV ~ 5.0V RMS	150mV ~ 1.50V RMS	150mV ~ 1.50V RMS
Fuse requirement	80 amps	100 amps	80 amps	120 amps
Dimensions (LxWxH)	13.0 x 8.5 x 2.25"	17.75 x 8.5 x 2.25"	13.0 x 8.5 x 2.25"	20.0 x 8.5 x 2.25"



600.1

Class AB high fidelity amplifier

- RCA Balanced differential Inputs
- 1 ohm mono stable
- Bass boost control +12 dB 40 hz
- Variable crossover 50 ~ 250 Hz @ 12dB/oct
- Sub-sonic filter 10 to 100 hz
- High Current Bi-Polar output devices
- Optically isolated MOSFET power supply
- Aux full range output
- Two layer PC board with heavy 2 oz copper
- 4 gauge power/ground inputs
- 8 gauge speaker wire outputs
- Precision caps, and massive ground planes
- Two year warranty (If Authorized-Dealer Installed)

450.4

Class AB high fidelity amplifier

- RCA Balanced differential Inputs
- 2 ohm stereo 4 channel / 4 ohms mono 2 channel
- Bass boost control +12 dB 40 hz
- Variable crossover 50 ~ 5000 Hz @ 12dB/oct
- Band pass crossover on front channels
- Bridgeable 2 channel operation
- High Current Bi-Polar output devices
- Optically isolated MOSFET power supply
- Aux full range output
- Two layer PC board with heavy 2 oz copper
- 4 gauge power/ground inputs
- 8 gauge speaker wire outputs
- Precision caps, and massive ground planes
- Two year warranty (If Authorized-Dealer Installed)

700.2

Class AB high fidelity amplifier

- RCA Balanced differential Inputs
- 2 ohm stereo 4 ohms mono stable
- Bass boost control +12 dB 40 hz
- Variable crossover 50 ~ 5000 Hz @ 12dB/oct
- Sub-sonic filter 10 to 100 hz
- Bridgeable
- High Current Bi-Polar output devices
- Optically isolated MOSFET power supply
- Aux full range output
- Two layer PC board with heavy 2 oz copper
- 4 gauge power/ground inputs
- 8 gauge speaker wire outputs
- Precision caps, and massive ground planes
- Two year warranty (If Authorized-Dealer Installed)

1200.1

Class AB high fidelity amplifier

- RCA Balanced differential Inputs
- 1 ohm mono stable
- Bass boost control +12 dB 40 hz
- Variable crossover 50 ~ 250 Hz @ 12dB/oct
- Sub-sonic filter 10 to 100 hz
- High Current Bi-Polar output devices
- Optically isolated MOSFET power supply
- Aux full range output
- Two layer PC board with heavy 2 oz copper
- 4 gauge power/ground inputs
- 8 gauge speaker wire outputs
- Precision caps, and massive ground planes
- Two year warranty (If Authorized-Dealer Installed)

CTX

CTX COAXIALS



The **CTX Speakers** are the affordable solution for the autosound enthusiast seeking high performance speakers and subwoofers with rich well balanced sound, excellent tonal quality and incredible detail while delivering very high output levels.

energy neodymium magnets with ferro-fluid cooled voice coils with rear wave dampers for clear and detailed high frequency response.

The **CTX Coaxials** combine high efficiency and high power handling allowing them to provide excellent output even with head unit power and still gracefully handle even high power amplifiers. This performance is the result of careful design and engineering comprised through the proper selection of materials and components.

More than the sum of the parts CTX component coaxial speakers feature a long excursion mid-woofer that utilizes light yet stiff and strong Mica-Polymer cones, butyl rubber surrounds, high power voice coils. The CTX silk dome tweeters utilize high



	Size	Impedance	Power	Sens	Freq Response	Depth
CTX4	4.0"	4-ohm	50 watts	87db	100Hz - 22kHz	1.90"
CTX5	5.0"	4-ohm	60 watts	89db	65Hz - 22kHz	2.36"
CTX6	6.0"	4-ohm	70 watts	90db	58Hz - 22kHz	2.37"
CTX65	6.5"	4-ohm	100 watts	90db	58Hz - 22kHz	2.75"
CTX46	4x6"	4-ohm	50 watts	88db	100Hz - 22kHz	1.98"
CTX57	5x7"	4-ohm	70 watts	90db	65Hz - 22kHz	2.50"
CTX69	6x9"	4-ohm	100 watts	90db	48Hz - 22kHz	3.00"
CTX104	10"	4-ohm	50-350 watts	85db	18Hz - 180Hz	5.25"
CTX108	10"	8-ohm	50-350 watts	85db	18Hz - 180Hz	5.25"
CTX124	12"	4-ohm	50-350 watts	86db	16Hz - 180Hz	5.75"
CTX128	12"	8-ohm	50-350 watts	86db	16Hz - 180Hz	5.75"



CTX SUBWOOFERS

The **CTX Subwoofers** perform far beyond expectations with high output and sound quality that is not expected at this price point. The stiff yet light Poly-Mica cone, conex spiders with integral tinsel leads, butyl rubber surround and long linear excursion of 16mm one-way allows them to effortlessly handle high power amplifiers producing high output levels with low distortion.

I AMPLIFIERS

AMPLIFIERS

Each of the I series Amplifiers is a combination of detailed musical performance with impressive power and dynamics in a compact chassis. They utilize the finest available electronics for outstanding sound quality and reliability. The only features you will find are those that enhance the power and performance, or ease the integration into your audio system.

- High efficiency heavy duty Aluminum Finned Heatsink
- PWM MOSFET Power Supplies for High Power Output and Best Stability into Low Impedance Loads
- Variable High Pass and Low Pass Electronic Crossover
- Soft Delay Remote Turn On/Off Circuit to Eliminate Pops and Clicks
- Fully Adjustable Bass EQ at 40Hz (up to +18dB)
- Self Diagnostic Multi Protection Circuit with LED Status Indicator for; Low Impedance Speaker Short Circuit, Thermal Overheating and DC Output.
- 2-ohm Stereo Stable (4-ohm Mono Bridgeable)
- Variable Gain Control
- Remote Gain Control Port
- Low Level Line Inputs and Outputs
- One Year warranty



i2300 Class AB 2 Channel Amplifier



i4500 Class AB 4 Channel Amplifier



i2600 Class AB 2 Channel Amplifier



i5800 Class AB 5 Channel Amplifier

	i2300	i2600	i4500	i5800
Channels	2 CH	2 CH	4 CH	5 CH
4 Ohms Stereo Power (Watts)	75 x 2	150 x 2	75 x 4	65 x 4 + 250 x 1
2 Ohms Stereo Power (Watts)	125 x 2	300 x 2	115 x 4	90 x 4 + 400 x 1
4 Ohms Mono Power (Watts)	250 x 1	600 x 1	230 x 2	180 x 2 + 400 x 1 @ 2
THD @ rated power	0.5%	0.5%	0.5%	0.5%
CEA Power 2 Ohms @ 14.4V	150 x 2	325 x 2	125 x 4	100 x 4 + 425 x 1
THD typical below full power	< 0.05%	< 0.05%	< 0.05%	< 0.05%
Frequency Response	20Hz - 22kHz	20Hz - 22kHz	20Hz - 22kHz	20Hz - 22kHz
S/N Ratio	>94dB	>94dB	>94dB	>94dB
Damping Factor 4ohms @ 50 Hz	>150	>150	>150	>150
Input Sensitivity	0.5 - 4.0 Volts	0.5 - 4.0 Volts	0.5 - 4.0 Volts	0.5 - 4.0 Volts
Crossover Slope	12dB	12dB	12dB	12dB
High-Pass Crossover Freq. (Hz)	40 - 250Hz	40 - 250Hz	40 - 250Hz	40 - 250Hz
Low-Pass Crossover Freq. (Hz)	40 - 250Hz	40 - 250Hz	40 - 250Hz	40 - 250Hz
Variable Subwoofer EQ	0/+ 18dB	0/+ 18dB	0/+ 18dB	0/+ 18dB
Subwoofer EQ Freq.	40Hz	40Hz	40Hz	40Hz
Fuses/ ATC Style	2 x 25A	2 x 40A	2 x 30A	2 x 40A
Dimensions (H x W x L)	2.25" x 8.00" x 13.7"	2.25" x 8.00" x 16.5"	2.25" x 8.0" x 14.9"	2.25" x 8.0" x 18.5"



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*Providing a balance of high output capability
combined with unrivaled sound quality is our driving
force behind building the best performing speakers in
the world. Simply put Image Dynamics Speakers and
Subwoofers are the choice of the sound enthusiast.
Our performance is the result of a unique design
philosophy and applied engineering science providing
unique speakers and subwoofers that truly perform.*

THE TRUE BALANCE OF POWER AND GRACE, HARMONY & CHAOS