



"Few companies in the world are as respected and envied as Soundstream Technologies. We have built a reputation for performance and quality, while retaining our ability to enjoy what we do. Our products give you more power, more features, and more of the clean, detailed sound that you demand. One listen to a Soundstream product and you'll agree, Soundstream rocks!"

SOUNDSTREAM

A W A R D S

SOUNDSTREAM TECHNOLOGIES IS THE ACKNOWLEDGED LEADER IN INNOVATION AND CUTTING EDGE TECHNOLOGY. SINCE OUR BEGINNING IN 1984, WE HAVE AMASSED NEARLY 70 MAJOR PRODUCT AWARDS, INCLUDING 17 IN THE LAST YEAR ALONE, AND THE LIST CONTINUES TO GROW.

1985

DX1 CROSSOVER WINS INNOVATIONS DESIGN AND ENGINEERING AWARD AT THE SUMMER CONSUMER ELECTRONICS SHOW

1985

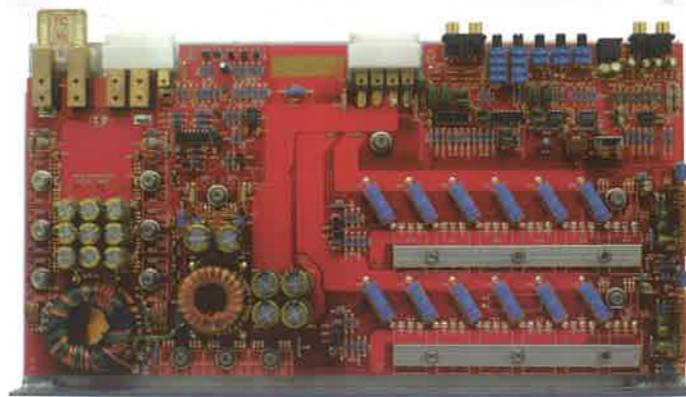
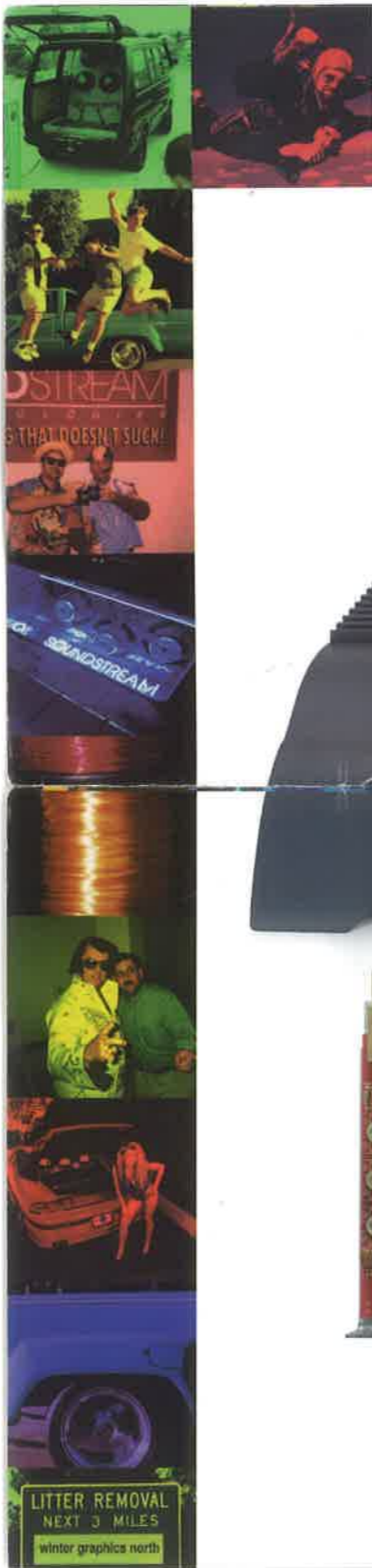
SOUNDSTREAM AWARDED AMERICAN CORPORATE IDENTITY FOUR AWARD OF EXCELLENCE

1986

TC308 TUNER/CASSETTE DECK WINS INNOVATIONS DESIGN AND ENGINEERING AWARD AT THE SUMMER CONSUMER ELECTRONICS SHOW

1987

D200 AMPLIFIER RECEIVES AN AUTOSOUND GRAND PRIX PRODUCT OF THE YEAR AWARD BY AUDIOVIDEO INTERNATIONAL



Soundstream has built a reputation for manufacturing the best sounding car audio amplifiers on the planet. Since the creation of our first amplifier, we have built each succeeding model upon the same premise: sonic superiority!

The new **RUBICON™** amplifiers represent our fifth generation of amplifier technology and mark an "irrevocable step" in our evolution. They are superior in every way to any amplifier we've ever built, thanks to a robust new design, our new RUBI™ (Rapid-Use Branched Impulse) Power Supply, and a host of new technological advances and features.

AWARDS

1987
TC308 TUNER/CASSETTE DECK AWARDED "DESIGNER'S CHOICE" AWARD IN *ID* MAGAZINE ANNUAL DESIGN REVIEW

1987
C+1 AUDIO/VIDEO PREAMPLIFIER WINS INNOVATIONS DESIGN AND ENGINEERING AWARD AT THE SUMMER CONSUMER ELECTRONICS SHOW

1987
R+1 PROGRAMMABLE REMOTE CONTROL WINS INNOVATIONS DESIGN AND ENGINEERING AWARD AT THE SUMMER CONSUMER ELECTRONICS SHOW

1988
TC308 TUNER/CASSETTE DECK SELECTED FEATURE IN *THE INTERNATIONAL DESIGN YEARBOOK 3*

1988
SYSTEM+1 RECEIVER AWARDED "DESIGNER'S CHOICE" IN *ID* MAGAZINE ANNUAL DESIGN REVIEW

1988
TC308 TUNER/CASSETTE DECK RECEIVES AN AUTOSOUND GRAND PRIX PRODUCT OF THE YEAR AWARD BY AUDIOVIDEO INTERNATIONAL



RUBICON1002



1000 WATTS TOTAL RATED POWER

RUBICON702



700 WATTS TOTAL RATED POWER

RUBICON502



500 WATTS TOTAL RATED POWER

520.
500.
480.

RUBICON302



300 WATTS TOTAL RATED POWER

370.
270.

RUBICON202



200 WATTS TOTAL RATED POWER

200.

RUBICON102



100 WATTS TOTAL RATED POWER



- Proprietary RUBI™ (Rapid-Use Branched Impulse) Power Supply delivers enormous low impedance low frequency stability.
- STACT™ (Stabilized Apex Current Topology) architecture reduces power supply stress by 50% to significantly increase amplifier efficiency while ensuring open response and detailed imaging
- Auto High Power/High Current output capability (user configurable on Rubicon302) provides rock-solid 1 ohm power output (Rubicon1002, 702, 502, 302, 604, 404)
- Dynamically Optimized Power Grid™ ultra-low ESR capacitance bank splits power capacitors before and after the toroid for dramatically improved sound reproduction and a constant flow of energy
- Harmonic Bass Alignment™ redirects second and third harmonics to fundamental peaks at low frequencies for tight, well defined bass response
- Hawkins Bass Control™ provides focused subwoofer boost and routes otherwise wasted amplifier power to the audible bandwidth (fixed, variable, or parametric by model)
- Trident™ Protection Topology safeguards against thermal, deadshort, and voltage inconsistencies
- Differentially balanced inputs eliminate ground loop related noise in the audio signal
- Massive Darlington Power Array™ with highly musical discrete output devices for extreme power output and uncompromising musical performance
- Enhanced Chassisink™ design maximizes operating heat dissipation by distributing devices along the entire heatsink
- Symmetrical Class A drive boards auto-adjust for linear performance in low impedance applications
- Versatile input stage with 5 volt input capability and dual stage input potentiometers that optimize signal from any source
- Fully-balanced studio quality input stages for signal noise elimination and top musical performance (Rubicon1002, 702, 502, 604, Class A 10.2, Class A 5.2, Picasso, Renoir)
- On board high pass and low pass variable crossovers
- Optional AIRBASS2000™ wireless remote system with passive audiophile circuitry and an impressive 24dB of subwoofer control (Rubicon1002, 702, 502, 302, 805, 405, 604, 404, Class A 10.2 and Class A 5.2)
- Bridgeable for mono or mixed mono applications
- Thick, pure copper signal traces and ground planes for maximum signal transfer
- Drive Delay II Muting™ eliminates power on/off related noise
- Military-spec glass epoxy circuit boards and 1% metal film resistors
- Removable front spoiler allows for stealth installation of RCA, balanced line, and speaker wiring

The heart of the **RUBICON** amplifiers is the new RUBI™ Power Supply. Muscular and innovative, the RUBI™ eliminates power supply 'sag' prevalent in other designs, dramatically improving the amplifier's ability to reproduce energy consuming low frequency notes. And Soundstream's proprietary *Harmonic Bass Alignment™* circuitry redirects amplifier-produced second and third harmonic energy back to the fundamental peaks at low frequencies further improving bass response. Top that off with Soundstream's new STACT™ (Stabilized Apex Current Topology) architecture for clean, detailed, open response throughout the entire bandwidth, and you'll see that nobody is more musical and nobody has a tighter bottom-end than Soundstream.

AWARDS

1989
MC300 AMPLIFIER WINS INNOVATIONS DESIGN AND ENGINEERING AWARD AT THE SUMMER CONSUMER ELECTRONICS SHOW

1989
SIMUL-SOURCE MULTI-ZONE SYSTEM WINS INNOVATIONS DESIGN AND ENGINEERING AWARD AT THE SUMMER CONSUMER ELECTRONICS SHOW

1989
D200 AMPLIFIER RECEIVES AN AUTOSOUND GRAND PRIX PRODUCT OF THE YEAR AWARD BY AUDIOVIDEO INTERNATIONAL

1989
TC303 TUNER/CASSETTE DECK RECEIVES AN AUTOSOUND GRAND PRIX PRODUCT OF THE YEAR AWARD BY AUDIOVIDEO INTERNATIONAL

1989
R-1 PROGRAMMABLE REMOTE CONTROL NAMED ONE OF THE "WORLD'S EIGHT BEST REMOTES" BY HIGH FIDELITY

1989
SYSTEM-1 AUDIO COMPONENTS RECOGNIZED IN AN EXHIBIT BY THE DALLAS SCIENCE AND TECHNOLOGY MUSEUM



We began designing multi-channel amplifiers for enthusiasts looking for a one amp solution to drive an entire mobile audio system. The trailblazing MC245 five-channel amplifier single handedly developed a new category which Soundstream still dominates today. This tradition continues with our new **RUBICON** series. These amplifiers contain all of our new technological advances, along with the added benefit of being single amp system-friendly. Featured in this line up is our most powerful five-channel amplifier to date, the 800 watt Rubicon805. This highly versatile amplifier gives users diverse system design options including active midbass capabilities as well as a 400 watt subwoofer channel capable of driving complex multiple subwoofer loads.



This year also sees the return of a Soundstream classic, but in number only. The new Rubicon604 is built on the platform of an ultra-flexible 600 watt four-channel amplifier, but this time whacked out on steroids! The series is completed with two four-channel amps (Rubicon404 and Rubicon204) and the latest incarnation of *three time product-of-the-year award winner*, the Rubicon405.



800 WATT FIVE CHANNEL

RUBICON805



600 WATT FOUR CHANNEL

RUBICON604



400 WATT FIVE CHANNEL

RUBICON405



400 WATT FOUR CHANNEL

RUBICON404

560.7
360.1



200 WATT FOUR CHANNEL

RUBICON204

A W A R D S

1990
MC140 AMPLIFIER
RECEIVES AN AUTOSOUND
GRAND PRIX PRODUCT OF
THE YEAR AWARD BY
AUDIOVIDEO INTERNATIONAL

1991
TC306 TUNER/CASSETTE
DECK RECEIVES AN
AUTOSOUND GRAND PRIX
PRODUCT OF THE YEAR
AWARD BY AUDIOVIDEO
INTERNATIONAL

1991
DTA+1 DIGITAL-TO-ANALOG
CONVERTER WINS
INNOVATIONS DESIGN AND
ENGINEERING AWARD AT
THE SUMMER CONSUMER
ELECTRONICS SHOW

1991
MC245 AMPLIFIER WINS
INNOVATIONS DESIGN AND
ENGINEERING AWARD AT
THE SUMMER CONSUMER
ELECTRONICS SHOW

1991
DX7 CROSSOVER WINS
INNOVATIONS DESIGN AND
ENGINEERING AWARD AT
THE SUMMER CONSUMER
ELECTRONICS SHOW

1991
SS5.0 FIVE-INCH MIDBASS
DRIVER RECEIVES AN
AUTOSOUND GRAND PRIX
PRODUCT OF THE YEAR
AWARD BY AUDIOVIDEO
INTERNATIONAL





RENOIR



PICASSO



CLASS A 5.2
"SLEEPING BEAUTY"
1/2 WATT TOTAL RATED POWER 4 OHMS

Soundstream developed the Pure Class A* design for the 12 volt environment to create the most musical amplifiers in the world. What we discovered over time is that in addition to its musicality, we were able to employ this technology in developing ultra-high current, mega-output topologies.

The 1000 watt Class A 10.2 and the 500 watt Class A 5.2 are high output amplifiers built for the abusive SPL competition circuit and the "over-achieving" basshead. Like its predecessor (the multiple world record holding 10.0), the Class A 10.2 is the ultimate subwoofer amplifier. The Class A 5.2, nicknamed "Sleeping Beauty" because it's barely breathing at 4 ohms with a power rating of only 1/4 watt per channel, roars to life at low impedances where it is capable of producing *1000 times its rated 4 ohm power*. These amplifiers are perfect for competition vehicles where maximum performance from each component is a necessity.

The Class A Picasso and Class A Renoir are premier audiophile listening amplifiers designed specifically for high-pass applications where absolute detail and definition is critical. The Picasso is a four-channel purist amplifier with a minimalist topology including select polypropylene capacitors for astonishing clarity and rich, warm yet colorless audio. The Renoir is a dual channel version of the Picasso providing 50 watts per channel into 4 ohms.

Whichever ones you choose, one thing is certain, these amplifiers will more than satisfy any discriminating car audio guru.



CLASS A 10.2

A W A R D S

1992
 DTA-1 DIGITAL-TO-ANALOG
 CONVERTER RECEIVES AN
 AUTOSOUND GRAND PRIX
 PRODUCT OF THE YEAR
 AWARD BY AUDIOVIDEO
 INTERNATIONAL

1992
 MC245 AMPLIFIER
 RECEIVES AN AUTOSOUND
 GRAND PRIX PRODUCT OF
 THE YEAR AWARD BY
 AUDIOVIDEO INTERNATIONAL

1994
 C-2 THX PREAMPLIFIER/
 PROCESSOR RECEIVES
 THE SOUND & VISION
 CRITICS AWARD

1995
 NT-1 TWEETER RECEIVES
 AN AUTOSOUND GRAND
 PRIX PRODUCT OF THE
 YEAR AWARD BY
 AUDIOVIDEO INTERNATIONAL

1995
 REFERENCE500 AMPLIFIER
 RECEIVES AN AUTOSOUND
 GRAND PRIX PRODUCT OF
 THE YEAR AWARD BY
 AUDIOVIDEO INTERNATIONAL

1995
 REFERENCE405 AMPLIFIER
 RECEIVES AN AUTOSOUND
 GRAND PRIX PRODUCT OF
 THE YEAR AWARD BY
 AUDIOVIDEO INTERNATIONAL



BALANCED X.0



BALANCED X.0 CROSSOVER

The Balanced X.0 is a staggered asymmetrical electronic crossover which compensates for muddy midbass due to vehicle resonance so you get smooth frequency roll-off and improved clarity. It combines a 2/3-way staggered asymmetrical design with fully balanced front and rear inputs for total extraneous noise cancellation. A 24dB/octave variable subsonic filter and switchable rear fill de-emphasis filter complete the package.



BLT™

BLT4™

BALANCED LINE TRANSMITTERS

- Two-channel BLT and four-channel BLT4 provide total extraneous noise cancellation
- Step-up voltage to 5V RMS for improved signal-to-noise ratio
- Gold plated RCA inputs and 6-pin mini-DIN outputs
- 5 meter 6-pin mini-DIN interconnect cable included (two with BLT4)
- Compatible with Rubicon1002, 702, 502, 604, Class A 10.2, Class A 5.2, Picasso, Renoir, and DaVinci

ONE FARAD CAPACITOR

- Ultra-low ESR 20V capacitor to maintain constant current flow
- Tolerances of -10 +50%
- Rated ESR of <1.1 milli-ohm for quick charge/discharge
- 24 karat gold plated screw terminals for smooth current flow
- 1 watt 25-50 ohm charge resistor and polished u-type mounting brackets included



OFC

AIRBASS2000™ WIRELESS SUBWOOFER CONTROL

The new "space-age" version of our award winning wireless bass volume control. This is a must have component for any Soundstream amplifier system allowing you to **MAXIMIZE BASS** at the touch of a button. Seize the power of your subwoofers in your hand!



AIRBASS2000™

- Hand-held wireless transmitter controls up to 24dB of volume
- High sensitivity PC board receptor provides increased control range inside and outside of the vehicle
- High frequency selectivity reduces outside RF interference for improved command transfer
- Volume up, volume down, mute and **MAXIMUM BASS** buttons
- Compatible with Soundstream amplifier models: Rubicon1002, 702, 502, 302, 404, 604, 405, 805, Class A 10.2, Class A 5.2, and DaVinci

AWARDS

1995
GRANITE AMPLIFIERS ARE AN INDUSTRIAL DESIGN SELECTED FEATURE IN INTERNATIONAL DESIGN YEARBOOK 13

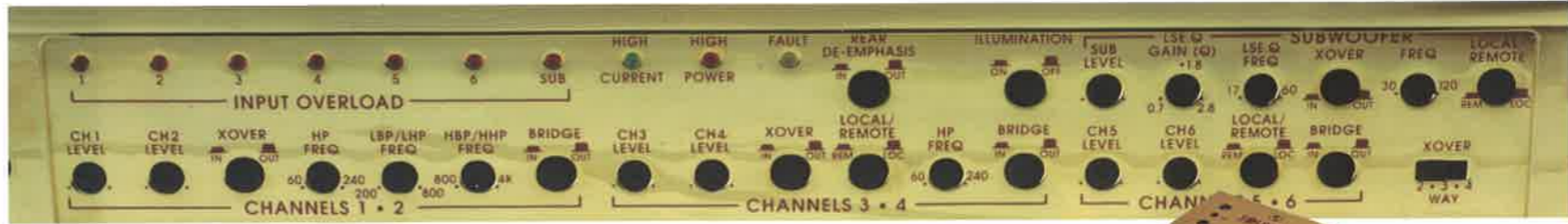
1995
TOUCH*1 SMART UNIVERSAL KEYPAD WINS INNOVATIONS DESIGN AND ENGINEERING AWARD AT THE WINTER CONSUMER ELECTRONICS SHOW

1995
M*SERIES AMPLIFIERS WIN INNOVATIONS DESIGN AND ENGINEERING AWARD AT THE WINTER CONSUMER ELECTRONICS SHOW

1995
SOUNDSTREAM TECHNOLOGIES PRESENTED WITH THE VANGUARD AWARD RECOGNIZING COMPANIES ON THE LEADING EDGE OF INTERNATIONAL BUSINESS

1995
REFERENCE405 AMPLIFIER VOTED MULTI-CHANNEL AMPLIFIER OF THE YEAR BY THE EUROPEAN CAR AUDIO PRESS (ECAP)

1995
REFERENCE405 AMPLIFIER RECEIVES CAR STEREO AND SECURITY MAGAZINE'S GOLDEN GEAR AWARD



JAWS DROPPED! That's the only way we could describe peoples' reaction to the launch of the seven-channel DaVinci, the most radical car audio amplifier ever built. Power, flexibility, sophistication, DaVinci has it all. Plated in 24 karat gold, the DaVinci delivers exquisite sound and a refined style all its own.



24k GOLD PLATED BLT4™

- Rated Power:
 - 50W x 4 + 100W x 2 + 200W x 1 at 4 ohms, 12.6V
 - 100W x 4 + 200W x 2 + 400W x 1 at 2 ohms, 12.6V
- Continuously variable staggered asymmetrical 4/3/2-way electronic crossover
- Fully-balanced studio quality Class A inputs incorporating discrete matched differentially balanced input stages for a quieter, more musical performance
- Vari-quiet™ fan cooled topology adjusts fan speed to match amplifier output
- LSE.Q quasi-parametric equalizer tailors amount, shape and frequency of boost sent to subwoofers
- Auto High Current™ provides high voltage into 4/2 ohm loads while automatically reconfiguring for high-current operation into low impedances (subwoofer channel)
- 3,840 Darlingon Power Array for bulletproof high current performance
- 96,000mF Power Grid™ ultra-low ESR capacitance bank for high-efficiency, high-current operation
- A/BASS2000™ compatible
- Insulated 1/0 gauge gold plated power and ground connectors to maximize current flow
- 24 karat gold plated face plate backlit in red
- Gold plated BLT4™ included



- A W A R D S**
- 1995
REFERENCE CLASS A 6.0
AMPLIFIER RECEIVES AN
AUTOSOUND GRAND PRIX
SPECIAL RECOGNITION
AWARD BY AUDIOVIDEO
INTERNATIONAL
 - 1995
REFERENCE300 AMPLIFIER
RECEIVES AN AUTOSOUND
GRAND PRIX SPECIAL
RECOGNITION AWARD BY
AUDIOVIDEO INTERNATIONAL
 - 1995
GRANITE 120.4 AMPLIFIER
RECEIVES AN AUTOSOUND
GRAND PRIX SPECIAL
RECOGNITION AWARD BY
AUDIOVIDEO INTERNATIONAL
 - 1996
REFERENCE AMPLIFIER
LINE AWARDED BEST IN
SHOW AT THE WINTER
CONSUMER ELECTRONICS
SHOW BY CAR SOUND
MAGAZINE
 - 1996
REFERENCE405S
AMPLIFIER PRESENTED
WITH THE BLUE RIBBON
AWARD BY CAR SOUND
MAGAZINE
 - 1996
REFERENCE CLASS A 10.0
AMPLIFIER SELECTED
INNOVATIVE AMPLIFIER OF
THE YEAR BY AUTO SOUND
AND SECURITY MAGAZINE



What makes a great subwoofer? Frightening performance. Maximum flexibility. And tight tolerance construction. **RUBICON** subwoofers are all that. But what is really important is head-bashing, ear-splitting bass. That's where **RUBICON** really stomps the comp. Nobody does bass like Soundstream, and there's no better value than **RUBICON**. They sound great, they perform in tiny enclosures, and they're built with a maniacal fanaticism for quality. A perfect match for the new **RUBICON** amplifiers.



RUBICON15

RUBICON12

RUBICON10

- Four layer 4 ohm voice coil
- Oversized dust dome acts as a voice coil cooling piston as well as improving cone torsional rigidity for more accurate tonal reproduction
- Vented pole piece provides forced air cooling for maximum heat dissipation
- Reinforced fibrous pulp cone with specially tooled, high-roll polyether foam surround
- Red Kapton™ former for maximum heat resistance and reliability
- High temperature copper voice coil wire for improved durability
- High emissivity coatings improve thermal transfer and minimize thermal breakdown
- Performs great in numerous enclosures including bandpass, sealed, ported and transmission line

AWARDS

1996

REFERENCE CLASS A 5.0 AMPLIFIER SELECTED INNOVATIVE AMPLIFIER OF THE YEAR BY *AUTO SOUND AND SECURITY MAGAZINE*

1996

REFERENCE CLASS A PICASSO AMPLIFIER SELECTED INNOVATIVE AMPLIFIER OF THE YEAR BY *AUTO SOUND AND SECURITY MAGAZINE*

1996

AIRBASS™ WIRELESS SUBWOOFER VOLUME CONTROL RECEIVES AN AUTOSOUND GRAND PRIX TECHNOLOGY AWARD BY *AUDIOVIDEO INTERNATIONAL*

1996

REFERENCE7055 AMPLIFIER RECEIVES AN AUTOSOUND GRAND PRIX PRODUCT OF THE YEAR AWARD BY *AUDIOVIDEO INTERNATIONAL*

1996

REFERENCE4055 AMPLIFIER RECEIVES AN AUTOSOUND GRAND PRIX PRODUCT OF THE YEAR AWARD BY *AUDIOVIDEO INTERNATIONAL*

1996

SPL10 10-INCH SUBWOOFER RECEIVES AN AUTOSOUND GRAND PRIX SPECIAL RECOGNITION AWARD BY *AUDIOVIDEO INTERNATIONAL*





EXACT10

Most car audio buffs don't think of deep, resonating bass and intricate, detailed transient response in the same context. But Soundstream does and we've found a way to give you both. The EXACT subwoofers easily rip through quick bass lines with astonishing precision while blasting you with big-time SPL. Rave reviews pour in about these preeminent woofers. As the September 1997 issue of *Car Stereo Review* proclaimed, the EXACT10 is "clean, clear, dynamic and just plain outrageous for a 10-inch subwoofer. Most of us would be happy if our 12s worked this well".

Thank you very much CSR. You ought to hear the 12!

- Copper inductance ring removes heat from the voice coil to reduce distortion and increase power handling
- High temperature, copper voice coil wire wet wound into a glass polyimide former provides remarkable durability and clarity
- Kevlar reinforced ribbed paper cone for improved transient response
- Long-throw, single-plane spider and a double stacked magnet assembly for exemplary power and control over long excursions
- High-roll rubber surround for reduced distortion and maximum linear travel
- High emissivity coatings and high temperature adhesives ensure durability
- Powder coated, cast aluminum frame for improved stability, power handling, and excursion
- Extended pole piece for additional magnetic field and improved thermal transfer
- Highly versatile design that performs in a wide variety of enclosures, including sealed enclosures as small as 0.5 ft³



EXACT

EXACT12

- AWARDS**
- 1996
REFERENCE300 AMPLIFIER
RECEIVES AN AUTOSOUND
GRAND PRIX SPECIAL
RECOGNITION AWARD BY
AUDIOVIDEO INTERNATIONAL
 - 1996
CONTINUUM AMPLIFIER
VOTED MULTI-CHANNEL
AMPLIFIER OF THE YEAR
BY THE EUROPEAN CAR
AUDIO PRESS (ECAP)
 - 1996
DA-2 AMPLIFIER
RECEIVES SOUND & VISION
CRITICS AWARD
 - 1996
REFERENCE CLASS A 10.0
AMPLIFIER WINS CAR
STEREO AND SECURITY
GOLDEN GEAR AWARD FOR
BEST AMPLIFIER UNDER £300
 - 1997
DAVINCI AMPLIFIER NAMED
THE BEST-OF-THE-BEST
AT CES BY MOBILE
SOUND MAGAZINE

EXACT

The principle feature that makes the EXACT loudspeakers sound so sweet is the copper inductance ring technology. A specially machined copper cap tooled directly into the speaker's motor structure allows these drivers to extend high frequency response for remarkable warmth and clarity on the upper end. Combine that with a muscular passive crossover network that incorporates Mylar capacitors and you're on the road to hi-fi nirvana.



EXACT4.3
4-INCH COMPONENT SYSTEM



EXACT5.3
5 1/4-INCH COMPONENT SYSTEM



EXACT6.3
6 1/2-INCH COMPONENT SYSTEM



EXACT6.2
6 1/2-INCH COAXIAL SYSTEM

- Copper inductance ring removes heat from the voice coil to reduce distortion and increase power handling
- Precision soft dome neodymium tweeters for detailed highs and pinpoint imaging
- 24dB/octave acoustic summation crossovers utilizing Mylar capacitors to create linear sound and smooth frequency response
- Two position midrange control allows for an increase in vocal "presence" when placed behind factory grilles
- Three position tweeter level control to select 0dB, -3dB, or -6dB attenuation for installation placement or personal preference
- Dual input capability on crossovers for easy bi-amping or bi-wiring
- Dynamic Tweeter Level Control for playing at maximum safe operating range at all times
- Butyl rubber surround on midwoofers help terminate high frequency reflection for a smooth, natural frequency response
- High current air core inductors for improved power handling and reduced distortion
- Flush, angle, and surface mount tweeter capability on component systems



EXACT5/EXACT6
5 1/4-INCH AND 6 1/2-INCH MIDWOOFERS



EXACT WIZZER
4-INCH FULL RANGE



EXACT4.2
4-INCH COAXIAL SYSTEM



EXACT5.2
5 1/4-INCH COAXIAL SYSTEM

AWARDS

1997
AIRBASS™ WIRELESS
SUBWOOFER VOLUME
CONTROL AWARDED THE
GRAND PRIX TECHNOLOGY
AWARD - ITALIAN EDITION
IN THE DESIGN CATEGORY
BY CAR AUDIO AND CAR
STEREO MAGAZINES

1997
PICASSO AMPLIFIER
AWARDED THE GRAND PRIX
TECHNOLOGY AWARD -
ITALIAN EDITION IN THE
DESIGN CATEGORY BY CAR
AUDIO AND CAR STEREO
MAGAZINES

1997
DTA-1 DIGITAL-TO-ANALOG
CONVERTER AWARDED THE
GRAND PRIX TECHNOLOGY
AWARD - ITALIAN EDITION
IN THE HI-TECH CATEGORY
BY CAR AUDIO AND CAR
STEREO MAGAZINES

1997
BLT™ BALANCED LINE
TRANSMITTER AWARDED
THE GRAND PRIX
TECHNOLOGY AWARD -
ITALIAN EDITION IN THE
HI-TECH CATEGORY BY
CAR AUDIO AND CAR
STEREO MAGAZINES



SPL15



SPL12



SPL10

Our 1995 introduction of SPL caused a tremor in the subwoofer business. Popular from the first day they hit the streets, SPL demands attention from anyone interested in the loudest subwoofers on the planet. So this seems like an appropriate time to introduce the next generation of SPL, and this time we're taking no prisoners. The new SPL subwoofer line takes the legend and brings it to the future. Loud, and we mean LOUD, LOUD, LOUD, bass is what SPL delivers. Prepare for the bass to beat you senseless!

- Dual 4 ohm voice coil for installation versatility to ensure maximum cone area
- Designed for small, sealed enclosures ideal for multiple subwoofers in small areas
- Oversized dust dome acts as a voice coil cooling piston as well as improving cone torsional rigidity for more accurate tonal reproduction
- Specially designed flat spider with ABS standoff for improved linearity
- Fibrous pulp cone with extra high-roll polyether surround for greater excursion and deeper bass
- Red Kapton™ former for maximum heat resistance and reliability
- Vented pole piece provides forced air cooling and significantly reduces voice coil heat
- High temperature copper voice coil wire for uncompromising durability and clarity
- High emissivity coatings and high temperature adhesives minimize thermal breakdown
- Durable stamped steel frame for extra rigidity throughout motor structure
- Performs in virtually any enclosure from sealed to vented to bandpass

NEW FOR 1998

SPL

WARNING: Soundstream SPL subwoofers are designed to play so loud that sustained listening should only be done in competition vehicles, and then only when the occupants are wearing approved hearing protection. Studies show that extremely loud volumes, especially at the low frequencies the SPL drivers produce, can cause heart arrhythmia and/or permanent hearing damage.

AWARDS

1997

REFERENCE1000SX
AMPLIFIER AWARDED THE
GRAND PRIX TECHNOLOGY
AWARD - ITALIAN EDITION
IN THE AMPLIFIER
CATEGORY BY CAR AUDIO
AND CAR STEREO
MAGAZINES

1997

REFERENCE705S
AMPLIFIER AWARDED THE
GRAND PRIX TECHNOLOGY
AWARD - ITALIAN EDITION
IN THE AMPLIFIER
CATEGORY BY CAR
AUDIO AND CAR STEREO
MAGAZINES

1997

REFERENCE CLASS A 10.0
AMPLIFIER AWARDED THE
GRAND PRIX TECHNOLOGY
AWARD - ITALIAN EDITION
IN THE SPL CATEGORY BY
CAR AUDIO AND CAR
STEREO MAGAZINES

1997

SPL160 SUBWOOFER
AWARDED THE GRAND PRIX
TECHNOLOGY AWARD -
ITALIAN EDITION IN THE
SPL CATEGORY BY CAR
AUDIO AND CAR STEREO
MAGAZINES



For most companies, the hard hitting SPL10, SPL12 and SPL15 would be a "dream come true". What more would anyone want besides subwoofers designed to play loud as hell in a tiny enclosures? Here's what! How about the SPL170, a subwoofer weighing in at an outrageous 28 pounds and built to standards that would impress a Swiss watch maker. This incredible woofer is designed to go into the land of supersonic aircraft and newly formed quasars, beyond 170 dB!

- Four layer, dual 4 ohm voice coil for added convenience and installation versatility
- Specially designed for small, sealed enclosures to maximize cone area
- Two unique secondary heatsinks. One bolted directly to the woofer's backplate and the other sandwiched between the frame and top plate for maximum heat dissipation and increased power handling
- Extended pole piece heatsink removes heat from top of voice coil for additional motor structure cooling
- Kevlar reinforced fibrous pulp cone with high-roll polyether surround
- Red Kapton™ former for maximum heat resistance and reliability
- Double stacked magnet assembly for increased linear strength and throw
- Vented pole piece minimizes thermal breakdown
- High temperature copper voice coil wire for improved durability and clarity
- High emissivity coatings and high temperature adhesives ensure durability
- Custom designed threaded input connectors securely hold 8 gauge speaker wire
- Performs superbly in numerous types of enclosures

NEW FOR 1998
SPL



SPL170

What do you do if you tinker around in the lab until you invent a product that is tricked-out like a production race car, but doesn't fit the standard mold for any type of sub sold today?

If you're Soundstream, you give it a cool identity and rush it to market so the crazed car audio masses can enjoy it! That's just how The Mule™ came to be.

For years, deep in the bowels of our corporate headquarters where we keep the engineers (okay not literally, but you get the message), a pet project has been in the works. The goal: create a subwoofer to reproduce the precise frequencies that would excite the air inside a vehicle and take advantage of resultant resonance in the metal skin to shake the car occupant like a bowl of jello in an earthquake. It was code named Project Mule.

Today, it is a reality!

SPL subwoofers may knock you out, but The Mule will kick your ass!

- Occupant chamber resonance-tuned subwoofer and engineered to deliver maximum bass at 60 Hz
- Extended pole piece heatsink removes heat from top of voice coil for additional motor structure cooling
- Specially designed to be utilized in multiple driver applications for maximum competition SPL
- Custom flat spider and ABS stand-off for improved linearity
- Fibrous pulp cone with high-roll polyether foam surround
- Red Kapton™ former for maximum heat resistance and reliability
- Vented pole piece provides forced air cooling
- High temperature voice coil wire for improved durability
- High emissivity coatings improve thermal transfer



SPL MULE



AWARDS

1997

REFERENCE300SX

AMPLIFIER WITH

AIRBASS™ REMOTE WINS

INNOVATIONS DESIGN AND

ENGINEERING SHOWCASE

AWARD AT CES

1997

REFERENCE705S

AMPLIFIER RECEIVES AN

AUTOSOUND GRAND PRIX

PRODUCT OF THE YEAR

AWARD BY AUDIOVIDEO

INTERNATIONAL

SOUNDSTREAM

1997

REFERENCE1000SX

AMPLIFIER RECEIVES AN

AUTOSOUND GRAND PRIX

PRODUCT OF THE YEAR

AWARD BY AUDIOVIDEO

INTERNATIONAL

1997

USA204 AMPLIFIER

RECEIVES AN AUTOSOUND

GRAND PRIX PRODUCT

OF THE YEAR AWARD

BY AUDIOVIDEO

INTERNATIONAL



It seemed so simple! Everybody knows that you can increase the volume level of your subwoofers by lowering the impedance. The effect of halving impedance is to double power output from your amplifier and increase volume 3 dB. But we don't just want your subs to play loud, we want your whole system to rip! So we decided to halve the impedance of our SPL loudspeakers and give you what you need, blistering volume and great sound.

SPL



SPL69
6 X 9-INCH THREE-WAY SYSTEM



SPL65
6 1/2-INCH COAXIAL SYSTEM



SPL55
5 1/4-INCH COAXIAL SYSTEM



SPL45
4-INCH COAXIAL SYSTEM



 **GET 100% MORE OUTPUT FROM FACTORY RADIO, CASSETTE, OR CD!**

- 2 ohm operation allows 3 dB more output than normal 4 ohm loudspeakers
- Black anodized aluminum alloy dome tweeters radiate thermal energy to extend frequency response and increase power handling
- Dynamic Tweeter Protection allows tweeter to play at maximum safe operating range
- High temperature formers ensure uncompromising durability
- Crossovers utilize low dissipation Mylar capacitors for linear performance and exceptional clarity
- Two pole crossover network on coaxials for improved power handling, lower distortion, and improved imaging
- Two position tweeter level control to select 0dB or -3dB attenuation for installation placement or personal preference (SPL60, SPL50, SPL40)
- Polyether surrounds and treated lightweight paper cones for high sensitivity
- Specially designed swivel mount tweeters with flush and surface mount capability (SPL60, SPL50, SPL40)



SPL60
6 1/2-INCH COMPONENT SYSTEM



SPL50
5 1/4-INCH COMPONENT SYSTEM



SPL40
4-INCH COMPONENT SYSTEM

AWARDS

1997
REFERENCE500SX
AMPLIFIER RECEIVES AN
AUTOSOUND GRAND PRIX
SPECIAL RECOGNITION
AWARD BY AUDIOVIDEO
INTERNATIONAL

1997
REFERENCE644S
AMPLIFIER RECEIVES AN
AUTOSOUND GRAND PRIX
SPECIAL RECOGNITION
AWARD BY AUDIOVIDEO
INTERNATIONAL

1997
SPL160 15-INCH
SUBWOOFER RECEIVES AN
AUTOSOUND GRAND PRIX
SPECIAL RECOGNITION
AWARD BY AUDIOVIDEO
INTERNATIONAL

1997
DAVINCI AMPLIFIER
SELECTED INNOVATIVE
AMPLIFIER OF THE YEAR
BY AUTO SOUND AND
SECURITY MAGAZINE

amplifiers

	CLASS A 10.2	CLASS A 5.2	PICASSO	RENOIR	RUBICON1002	RUBICON702	RUBICON802	RUBICON302	RUBICON302	RUBICON102	RUBICON805	RUBICON405	RUBICON804	RUBICON404	RUBICON204	DAVINCI
RATED POWER (4 OHMS, 12.6V)	25 W x 2	0.25 W x 2*	25 W x 4	50 W x 2	200 W x 2	150 W x 2	100 W x 2	75 W x 2	50 W x 2	25 W x 2	50 W x 4 + 200 W x 1	25 W x 4 + 100 W x 1	80 W x 4	50 W x 4	25 W x 4	50 W x 4 + 100 W x 2 + 200 W x 1
RATED POWER (2 OHMS, 12.6V)	100 W x 2	100 W x 2	50 W x 4	100 W x 2	400 W x 2	300 W x 2	200 W x 2	150 W x 2	100 W x 2	50 W x 2	40 W x 2 (14.4v) 100 W x 4 300 W x 1 400 W x 1 (1 ohm)	50 W x 4 + 150 W x 1 200 W x 1 (1 ohm)	160 W x 4	100 W x 4	50 W x 4	40 W x 4 (14.4v) 100 W x 4 + 200 W x 2 + 500 W x 1 (1 ohm)
MAXIMUM RATED RMS POWER	1000 W	500 W	200 W	200 W	1000 W	700 W	500 W	300 W	200 W	100 W	800 W	400 W	600 W	400 W	200 W	1300 W
MINIMUM RATED IMPEDANCE (PER CHANNEL)	1/4 ohm	1/4 ohm	2 ohm	2 ohm	1 ohm	1 ohm	1 ohm	2 ohm	2 ohm	2 ohm	2 ohms 1 ohm (sub)	2 ohms 1 ohm (sub)	1 ohm	1 ohm	2 ohm	2 ohms 1 ohm (sub)
PROPRIETARY RUBI™ POWER SUPPLY	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
STABILIZED APEX CURRENT TOPOLOGY™	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A
HARMONIC BASS ALIGNMENT™	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A
DARLINGTON POWER ARRAY CHASSISINK™	Yes	Yes	Yes	Yes	FWD	Yes	Yes	Yes	Yes	Yes	Yes/HVD (sub)	Yes	Yes	Yes	Yes	Yes
TRIDENT™ PROTECTION TOPOLOGY	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A
HIGH CURRENT CAPABILITY	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Switch	N/A	N/A	Yes (sub)	Yes (sub)	Auto	Auto	N/A	Yes (sub)
ON BOARD CROSSOVER, SLOPE & TYPE (VARIABLE - V; SIP - S)	N/A	N/A	N/A	N/A	V-12dB/oct HP 24dB/oct LP	V-12dB/oct HP 24dB/oct LP	V-12dB/oct HP 24dB/oct LP	S - 12dB/oct LP/HP/BP	S - 12dB/oct LP/HP/BP	S - 12dB/oct LP/HP/BP	V-12dB/oct HP 24dB/oct LP	V-12dB/oct HP 24dB/oct LP	V-12dB/oct HP 24dB/oct LP	V-12dB/oct HP 24dB/oct LP	V-12dB/oct HP/LP	V-12dB/oct HP/BP 24dB/oct LP
FULL RANGE RCA OUTPUTS	N/A	N/A	N/A	N/A	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A
DIFFERENTIALLY BALANCED INPUT	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A	Yes	Yes	Yes	Yes	Yes	Yes
FULLY-BALANCED STUDIO INPUTS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A	N/A	N/A	Yes	Yes	Yes	N/A	N/A	Yes
HAWKINS BASS CONTROL™ (FIXED-F, VARIABLE-V, PARAMETRIC-P)	Yes - P	Yes - P	N/A	N/A	Yes - P	Yes - P	Yes - P	Yes - V	Yes - F	Yes - F	Yes - P	Yes - V	Yes - V	Yes - V	Yes - V	LSE.Q
AIRBASS2000™ COMPATIBLE	Yes	Yes	N/A	N/A	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes	Yes	N/A	Yes
BRIDGEABLE FOR MONO OR MIXED MONO	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A
ENHANCED DUAL CLASS A DRIVE BOARDS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
POWER AND GROUND CONNECTORS (GAUGE)	4	4	4	4	4	4	4	4	6	6	4	4	4	6	6	0/1
INPUT LEVEL POTS	2	2	2	2	2	2	2	2	1	1	5	3	4	4	2	7
DRIVE DELAY II MUTING™	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MIL-SPEC GLASS EPOXY CIRCUIT BOARDS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DIMENSIONS (W X D X H INCHES)	16x11 1/2 x 2 1/4	13x11 1/2 x 2 1/4	16x11 1/2 x 2 1/4	12 1/2 x 11 1/2 x 2 1/4	16x11 1/2 x 2 1/4	13x11 1/2 x 2 1/4	11x11 1/2 x 2 1/4	8 1/2 x 11 1/2 x 2 1/4	7x11 1/2 x 2 1/4	7x11 1/2 x 2 1/4	19x11 1/2 x 2 1/4	15x11 1/2 x 2 1/4	17 1/2 x 11 1/2 x 2 1/4	14 1/2 x 11 1/2 x 2 1/4	11x11 1/2 x 2 1/4	19 x 14 x 5 1/4
DIMENSIONS (W X D X H MM)	406x288x57	330x288x57	406x288x57	315x288x57	406x288x57	330x288x57	279x288x57	216x288x57	178x288x57	178x288x57	483x288x57	381x288x57	437x288x57	368x288x57	279x288x57	483x356x140

*THERE MAY BE OTHER TYPES IN THIS BROCHURE BUT THIS ISN'T ONE OF THEM! HVD - HIGH VOLTAGE DEVICE, THD: < 0.1% (20HZ TO 20KHZ) 4 OHM, 12.6V, SIGNAL-TO-NOISE: > 100DB, AIRBASS2000™ COMPATIBLE WITH REFERENCE "B" AND "BT" SERIES PRODUCTS



loud speakers

	EXACT6.3	EXACT5.3	EXACT4.3	EXACT6.2	EXACT5.2	EXACT4.2	EXACT6	EXACT5	EXACT Wizzer	SPL60	SPL50	SPL40	SPL65	SPL55	SPL45	SPL69
LOUDSPEAKER SYSTEM TYPE (COMPONENT - COMP; COAXIAL - COAX; MIDWOOFER - MW; FULL RANGE - FULL)	Comp	Comp	Comp	Coax	Coax	Coax	MW	MW	Full	Comp	Comp	Comp	Coax	Coax	Coax	Three-way
DIAMETER OF LARGEST DRIVER (INCHES)	6 1/2	5 1/2	4	6 1/2	5 1/2	4	6 1/2	5 1/2	4	6 1/2	5 1/2	4	6 1/2	5 1/2	4	6 x 9
DIAMETER OF LARGEST DRIVER (MM)	165	133	102	165	133	102	165	133	102	165	133	102	165	133	102	152 x 229
NOMINAL IMPEDANCE (OHMS)	4	4	4	4	4	4	4	4	4	2	2	2	2	2	2	2
POWER HANDLING (PEAK)	160W	140W	100W	140W	120W	90W	160W	140W	100W	120W	100W	80W	120W	100W	80W	150W
SENSITIVITY (2.83V/1M)	90 dB	90 dB	90 dB	90 dB	90 dB	90 dB	90 dB	90 dB	90 dB	94 dB	93 dB	92 dB	94 dB	93 dB	92 dB	94 dB
FREQUENCY RESPONSE	40Hz-20kHz	50Hz-20kHz	70Hz-20kHz	40Hz-20kHz	50Hz-20kHz	70Hz-20kHz	40Hz-40kHz	50Hz-50kHz	70Hz-18kHz	55Hz-20kHz	70Hz-20kHz	80Hz-20kHz	55Hz-20kHz	70Hz-20kHz	80Hz-20kHz	50Hz-22kHz
CROSSOVER SLOPE	24dB/oct	24dB/oct	24dB/oct	24dB/oct	24dB/oct	24dB/oct	N/A	N/A	N/A	24dB/oct	24dB/oct	24dB/oct	12dB/oct	12dB/oct	12dB/oct	12dB/oct
CROSSOVER TYPE (ACOUSTIC SUMMATION - AS; TWO POLE - TP)	AS	AS	AS	AS	AS	AS	N/A	N/A	N/A	AS	AS	AS	TP	TP	TP	TP
MYLAR CAPACITOR CROSSOVERS	Yes	Yes	Yes	Yes	Yes	Yes	N/A	N/A	N/A	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ADJUSTABLE TWEETER CONTROL (THREE POSITION (0DB, -3DB, -6DB); TWO POSITION (0DB, -3DB))	3	3	3	3	3	3	N/A	N/A	N/A	2	2	2	N/A	N/A	N/A	N/A
DUAL INPUT CAPABILITY	Yes	Yes	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TWEETER PROTECTION (DYNAMIC TWEETER LEVEL CONTROL - DTLC; DYNAMIC TWEETER PROTECTION - DTP)	DTLC	DTLC	DTLC	DTLC	DTLC	DTLC	N/A	N/A	N/A	DTP	DTP	DTP	DTP	DTP	DTP	DTP
TWEETER TYPE (MATERIAL/MAGNET)	Silk/Neo	Silk/Neo	Silk/Neo	Silk/Neo	Silk/Neo	Silk/Neo	N/A	N/A	N/A	Blk Alum/Neo	Blk Alum/Neo	Blk Alum/Neo	Blk Alum/Neo	Blk Alum/Neo	Blk Alum/Neo	PEI/Neo
TWEETER MOUNT TYPE (FLUSH - F; ANGLE - A; SURFACE - S)	F/A/S	F/A/S	F/A/S	N/A	N/A	N/A	N/A	N/A	N/A	F/S (swivel)	F/S (swivel)	F/S (swivel)	N/A	N/A	N/A	N/A
LOUDSPEAKER FRAME TYPE	Cast	Cast	Encapsulated	Encapsulated	Encapsulated	Encapsulated	Cast	Cast	Encapsulated	Encapsulated	Encapsulated	Encapsulated	Encapsulated	Encapsulated	Encapsulated	Encapsulated
LOUDSPEAKER CONE MATERIAL	Treated Paper	Treated Paper	Treated Paper	Treated Paper	Treated Paper	Treated Paper	Treated Paper	Treated Paper	Treated Paper	Treated Paper	Treated Paper	Treated Paper	Treated Paper	Treated Paper	Treated Paper	Treated Paper
LOUDSPEAKER SURROUND MATERIAL	Butyl Rubber	Butyl Rubber	Butyl Rubber	Butyl Rubber	Butyl Rubber	Butyl Rubber	Butyl Rubber	Butyl Rubber	Butyl Rubber	Polyether	Polyether	Polyether	Polyether	Polyether	Polyether	Polyether
COPPER INDUCTANCE RING/POLE	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HIGH CURRENT AIR CORE INDUCTORS	Yes	Yes	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SILVER PLATED INPUT LEADS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HIGH EMISSIVITY COATING	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MOUNTING DEPTH OF LARGEST DRIVER (INCHES)	2 1/4	2 1/4	2 1/4	2 1/4	2 1/2	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/2	2 1/4	2 1/4	2 1/2	2 1/4	3 1/4
MOUNTING DEPTH OF LARGEST DRIVER (MM)	66	57	53	70	64	53	66	57	53	70	64	53	70	64	53	83

subwoofers

DRIVER DIAMETER (INCHES)
 DRIVER DIAMETER (MM)
 RATED POWER (PEAK)
 VOICE COIL
 OPTIMUM SEALED ENCLOSURE
 OPTIMUM VENTED ENCLOSURE
 FREQUENCY RESPONSE
 SENSITIVITY (2.83V/1M)
 CONE MATERIAL
 SURROUND MATERIAL
 FORMER MATERIAL
 HIGH TEMPERATURE COPPER VOICE COIL WIRE
 FRAME TYPE
 COPPER INDUCTANCE RING
 OVERSIZED DUST DORIES
 BACKPLATE DUAL HEATSINKING
 VENTED POLE PIECE
 EXTENDED POLE PIECE HEATSINK
 MAGNET ASSEMBLY
 HIGH EMISSIVITY COATINGS
 HIGH TEMPERATURE ADHESIVES
 SPEAKER TERMINALS
 MOUNTING DEPTH (INCHES)
 MOUNTING DEPTH (MM)

EXACT12	EXACT10	SPL170	SPL MULE	SPL15	SPL12	SPL10	RUBICON15	RUBICON12	RUBICON10
12	10	15	12	15	12	10	15	12	10
305	254	381	305	381	305	254	381	305	254
800W	600W	800W	500W	400W	300W	250W	300W	250W	200W
4 ohm	4 ohm	Dual 4 ohm	4 ohm	Dual 4 ohm	Dual 4 ohm	Dual 4 ohm	4 ohm	4 ohm	4 ohm
1.0 - 1.5 ft ³	0.5 - 1.0 ft ³	1.5 - 3.0 ft ³	0.75 - 1.5 ft ³	1.5 - 2.0 ft ³	0.75 - 1.5 ft ³	0.5 - 1.0 ft ³	1.5 - 3.0 ft ³	0.75 - 2.0 ft ³	0.5 - 1.0 ft ³
1.5 - 2.0 ft ³	1.0 - 1.5 ft ³	2.0 - 4.0 ft ³	N/A	3.25 - 4.25 ft ³	1.0 - 2.0 ft ³	0.78 - 1.1 ft ³	2.5 - 3.5 ft ³	1.75 - 3.0 ft ³	0.75 - 1.5 ft ³
30 - 500Hz	32 - 500Hz	20 - 500Hz	40 - 80Hz	25 - 500Hz	30 - 500Hz	32 - 500Hz	30 - 500Hz	35 - 500Hz	40 - 500Hz
92 dB	90 dB	96 dB	92 dB	95 dB	94 dB	92 dB	95 dB	93 dB	91 dB
Kevlar Reinforced	Kevlar Reinforced	Kevlar Reinforced	Fibrous Pulp	Fibrous Pulp	Fibrous Pulp	Fibrous Pulp	Fibrous Pulp	Fibrous Pulp	Fibrous Pulp
High-roll Rubber	High-roll Rubber	Polyether	Polyether	Polyether	Polyether	Polyether	Polyether	Polyether	Polyether
Wet Wound	Wet Wound	Red Kapton™	Red Kapton™	Red Kapton™	Red Kapton™	Red Kapton™	Red Kapton™	Red Kapton™	Red Kapton™
Glass Polyimide	Glass Polyimide								
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cast Aluminum	Cast Aluminum	Cast Aluminum	Encapsulated Steel	Encapsulated Steel	Encapsulated Steel	Encapsulated Steel	Encapsulated Steel	Encapsulated Steel	Encapsulated Steel
Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
N/A	N/A	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
N/A	N/A	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A
Double Stacked	Double Stacked	Double Stacked	Double Stacked	Double Stacked	Single	Single	Single	Single	Single
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
8 Gauge Push	8 Gauge Push	Custom Milled Nickel Plated	1/4" Slide	1/4" Slide	1/4" Slide	1/4" Slide	1/4" Slide	1/4" Slide	1/4" Slide
5 1/8	5 1/8	8	6	7 1/4	5 1/8	4 1/8	7	5 1/8	4 1/2
150	137	203	152	184	137	117	178	133	114



crossovers

DUE TO CONTINUOUS PRODUCT IMPROVEMENTS, SPECIFICATIONS AND FEATURES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

CROSSOVER TYPE
 NUMBER OF CHANNELS
 TYPE OF FREQUENCY CONTROL
 TOTAL HARMONIC DISTORTION
 SIGNAL-TO-NOISE RATIO
 FULLY BALANCED INPUTS - FRONT & REAR
 CROSSOVER FREQ.: HIGH PASS 3-WAY (SLOPE)
 CROSSOVER FREQ.: HIGH PASS 2-WAY (SLOPE)
 CROSSOVER FREQ.: BANDPASS 3-WAY (SLOPE)
 CROSSOVER FREQ.: SUBWOOFER LOW PASS (SLOPE)
 LOW PASS SUBSONIC FILTER
 PHANTOM POWER CAPABLE
 SWITCHABLE REAR FILL DE-EMPHASIS FILTER
 SWITCHABLE SUBWOOFER FADING
 FRONT/REAR INPUT OVERLOAD LEDs
 DIMENSIONS (W X D X H INCHES)
 DIMENSIONS (W X D X H MM)

BALANCED X.O
 2/3-way Active
 10
 Continuously Variable
 <0.05%, 20Hz - 20kHz
 >100dB
 Yes
 1kHz - 4kHz (12dB/oct)
 200Hz - 800Hz (12dB/oct)
 60Hz - 300Hz (12dB/oct)
 Midrange -
 60Hz - 4kHz (12dB/oct)
 Midbass -
 60Hz - 800Hz (12dB/oct)
 Mono:
 50Hz - 200Hz (24dB/oct)
 Stereo:
 66Hz - 240Hz (12dB/oct)
 Mono:
 20Hz - 50Hz (24dB/oct)
 Stereo:
 27Hz - 60Hz (12dB/oct)
 Yes
 Yes - 7kHz (6dB/oct)
 Yes - Front, Rear, Non-fade
 Yes
 8 1/4 x 5 1/4 x 1 1/4
 208 x 130 x 41



120 BLUE RAVINE ROAD • FOLSOM, CALIFORNIA, USA 95630
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