

ECLIPSE

by FUJITSU TEN



Speakers





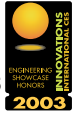
Subwoofers **SW9100 Titanium DVC Pro Series**

SW9100 Titanium DVC Series

The SW9100 Titanium Double Voice Coil (DVC) series subwoofers were developed to meet the need for subwoofers that combine quick response, efficiency and very high SPL performance. These demanding specifications required the development of the radical new technologies used in engineering and building the Titanium series subwoofers.

QCA (Quick Change Assembly) technology

ECLIPSE QCA exclusive technology has designed the speaker to instantly allow its two sections to separate in the event that the speaker cone gets physically damaged. Simply unlock the two sections with one allen key, twist off the speaker assembly (QCA) and replace with another.



Performance that's a revelation

Apart from delivering prodigious amounts of low frequencies, truly excellent subwoofers show what they're made of by the quality of the low frequencies they produce. Along with moving lots of air, the ability to define the pitch of the low notes is important and to preserve transients is crucial. To do that, subwoofer cones have to be able accelerate fast. The ability of the low-mass high X-max 15" to move faster than a typical 8" woofer but provide bass like an 18Åh cone is what make the SW9100 Titanium DVC Series deliver such exceptional performance.

Solid titanium cone

The solid titanium cone adds the best of this metal's properties to the subwoofer: very high tensile strength, high stiffness to mass ratio, excellent heat dispersion and corrosion resistance. At high power levels, the titanium cone resists the cone flex that causes coloration and distortion, moving air efficiently throughout the full power handling range.

2-inch surround

The surrounds are two inches wide to accommodate speaker travel of 3.5 inches peak to peak excursion. Made of special polyether foam that is resistant to ultraviolet radiation and moisture, the surrounds have superior mechanical properties and the low mass needed to produce extremely high excursions.

Aluminum voice coil

The voice coil former is made of 8/1000" thick aluminum, much thicker than industry standard, to handle the stresses of the high power motor at large displacements. The voice coil wire is a high-temperature aluminum wire, used to minimize mass and maximize thermal radiation. Since the bond between cone and former is thermally conductive, the voice coil heat is quickly dissipated throughout the entire titanium cone. The superior conductivity combined with unparalleled heat dissipation of this voice coil and former assembly means more power transfer into the cone movement instead of wasted heat.

Dual symmetrically arranged spiders

Two spiders designed with special non-linear Finite Element Analysis (FEA) software are spaced precisely apart to keep the voice coil centered in the motor structure. The woven-in tinsel lead wires are the ultimate in durability and power transfer. The synthetic fabric used to manufacture the spiders is four times stronger than conventional material used in most subwoofers.

High force motor structure

The motor structure was designed to maximize the force versus displacement curve of high excursion drivers. The motor has a unique shape that results in 20% more force from the same magnets than is normally achieved. The magnetic field is very symmetrical above and below the magnetic gap, contributing to a low distortion and audibly superior driver.

Cast aluminum frame

The aluminum frame forms the skeleton of the high performance Titanium series subwoofers. Venting below the spiders accommodates the enormous amounts of air that are moved during operation, as well as keeping the motor assembly free of any excess heat. The cast frame also acts as a heatsink to dissipate any additional heat produced from the subwoofers.

Triple-stacked magnet

ECLIPSE Titanium subwoofers feature a extra-long magnet and pole piece to accurately control woofer travel and enable high-power performance.

One-piece machined back plate and pole piece

The back plate and pole pieces of a Titanium series subwoofer are machined from a single block of low-carbon steel. This expensive process yields a component part of unparalleled precision and results in a highly efficient magnetic circuit.

Aero-vented pole

The pole piece of the subwoofer is aero-vented both outside and inside to facilitate the laminar flow of air into and out of the voice coil area for superior motor cooling. Aero-venting also reduces vent noise in high driver travel conditions.

The Advantage of Dual Voice Coil (DVC)

Dual Voice Coil speakers are designed to maximize space for more flexibility during installation. A dual-voice coil speaker is essentially two speakers in one: two separate voice coils are connected to the amplifier. Depending on the impedance of each voice coil, the two can be combined in a parallel or series configuration to match the impedance ability of the amplifier. The dual voice coil design does not sacrifice system power handling or SPLs.

The ultimate in low frequencies

Answering the need for no-holds-barred audiophile grade subwoofers, ECLIPSE cutting edge technology made **extensive use of exotic materials and processing** to create a new reference subwoofer series. For extending the performance envelope even beyond our acclaimed titanium speakers, the design brief was to produce massive subwoofers capable of responding **as fast as smaller woofers**, coupling the fast transient response of smaller drivers with the low frequencies of large drivers, delivering scary SPL levels, and all without distortion.

The Pro Subwoofer construction is basically based on the SW9100 Titanium Series, but **incorporates special features** that help deliver benchmark performance. The coil cone assembly is attached to a special foam surround designed through Finite Element Analysis (FEA) and Computer Aided Design (CAD). Dual Nomex spiders are asymmetrically mirrored and keep the voice coil precisely centered. Patented Super Mag Motors are used to permit the maximum cone displacement of 3.5" with perfect linearity and fringe flux coupling. In keeping with other select ECLIPSE high performance subwoofers, the Pro Subwoofers incorporate **QCA technology** for instant motor changeovers in the field. **Immense power with absolute fidelity** is what defines the new Pro Subwoofers that every audiophile and competition enthusiast will desire.



SW9182 Pro 18" Subwoofer



SW9152 Pro 15" Subwoofer

Features

- Premium foam surround
- Titanium cone
- Asymmetrically mirrored spiders
- Aluminum voice coil former
- FEA-CAD designed
- Aero-vented pole piece
- Proprietary diecast aluminum frame (patented large excursion, high dissipation frame)
- Triple-stacked magnet
- Sealed box enclosure recommended
- Continuous power handling: 3000W
- Music power handling: 5000W
- Dual voice coils
- 350oz. magnet motor
- 4" diameter voice coils

	SW9182Pro	SW9152Pro
Size	18"	15"
Fs	24Hz	27Hz
Qts	0.17	0.15
DCR	1Ω/coil	1Ω/coil
Vas	5.7CuFt	2.0CuFt
Xmax	3.5" peak-to-peak (max: 4")	3.5" peak-to-peak (max: 4")



SW9152 15" Subwoofer (4Ω + 4Ω)



SW9122 12" Subwoofer (4Ω + 4Ω)



SW9102 10" Subwoofer (4Ω + 4Ω)

Features

- Polyether foam surround
- Solid titanium cone
- Dual mirror-image spiders
- Aluminum voice coil former
- “Bottomless” design
- Aero-vented pole piece
- Cast aluminum frame
- Triple-stacked magnet
- Continuous power handling: 750W
- Music power handling: 1500W
- Dual voice coil
- QCA (Quick Change Assembly) technology
- 3" diameter voice coil
- 250oz. magnet motor

Speaker Protective Bars (for 12" speakers)



PT1287 12" Subwoofer Protector [Grill]

Fits models:
SW9122/SW7124DVC-T2/T4/SW7324DVP/SW7524DVC/.8/.4

These protective bars were specially designed to offer additional protection to the above-mentioned speakers. As well as enhancing the appearance of ECLIPSE high-performance speakers, the strong, rigid bars mount easily on the speakers and protect them when installed for heavy-duty applications.

	SW9152	SW9122	SW9102
Fs	22Hz	22Hz	26Hz
Qts	0.39	0.30	0.47
DCR	4.0Ω + 4.0Ω	4.0Ω + 4.0Ω	4.0Ω + 4.0Ω
Vas	6.10 Cuft	3.20 Cuft	2.10 Cuft
Xmax (one way)	1.75"	1.50"	1.50"

Subwoofers 7100 Aluminum Series

The SW7100 Series distinguishes itself by its use of an ECLIPSE proprietary speaker technology — Vortex Thruster Technology — that enhances performance. The Series is also designed with a strong show-tech style that makes sure each speaker installation has a clean, show quality look and feel to it.

Vortex Thruster Technology

This exclusive technology uses metal spikes that are stalagmite-shaped in a configuration that affects the surrounding air by intaking air from the speaker perimeter to the center section that has more heat. The air travels in a spiral-like flow and creates a vortex that increases the pumping of air and enhances dissipation. Structural developments create a better flow of heated air to a wheel-style heat sink which is vented in order to force or thrust the hot air to the vents.

One location terminal block

The 7100 positions all terminals in a neat one-row block which allows easy series or parallel installation (jumpers provided) that meets demanding show-tech competition requirements.



SW7124DVC-T2

12" Subwoofer (2Ω + 2Ω)

SW7124DVC-T4

12" Subwoofer (4Ω + 4Ω)

- 12" Solid aluminum cone
- Diecast aluminum basket with Vortex Thruster Technology
- Continuous power handling: 450W
- Maximum power handling: 900W
- Screw mounting hole cover plugs
- 4-terminal array
- Series/parallel jumpers
- Self display giftbox

T2: Dual 2Ω
T4: Dual 4Ω



SW7104DVC-T2

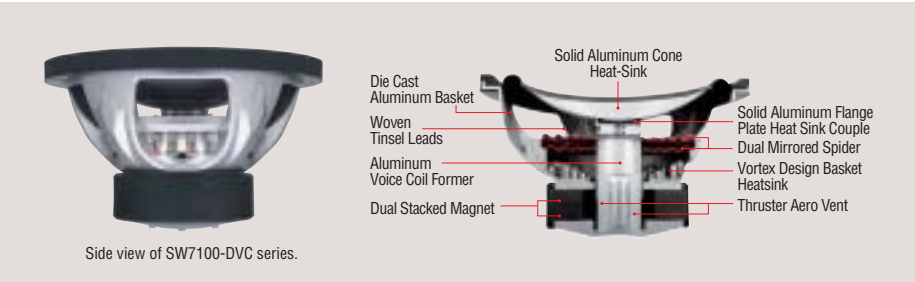
10" Subwoofer (2Ω + 2Ω)

SW7104DVC-T4

10" Subwoofer (4Ω + 4Ω)

- 10" Solid aluminum cone
- Diecast aluminum basket with Vortex Thruster Technology
- Continuous power handling: 400W
- Maximum power handling: 800W
- Screw mounting hole cover plugs
- 4-terminal array
- Series/parallel jumpers
- Self display giftbox

T2: Dual 2Ω
T4: Dual 4Ω



	SW7124DVC-T2	SW7124DVC-T4	SW7104DVC-T2	SW7104DVC-T4
Size	12"	12"	10"	10"
Fs	25Hz	27Hz	33Hz	32Hz
Qts	0.42	0.52	0.5	0.58
DCR	1.8Ω + 1.8Ω	3.8Ω + 3.8Ω	1.8Ω + 1.8Ω	3.8Ω + 3.8Ω
Vas	2.23 Cuft	2.24 Cuft	0.70 Cuft	0.85 Cuft
Xmax (one way)	1.4"	1.2"	1.4"	1.2"
Continuous Power Handling	450W	450W	400W	400W
Maximum Power Handling	900W	900W	800W	800W

Subwoofers **SW7300 Aluminum Series** **SW7500 Hybrid Series**

SW7300 Aluminum Series

Directly descended from the SW88 Series that marked a milestone in subwoofers, the SW7300 Series now incorporates a smaller, precision voice coil and magnet that allow producing 600W without strain. The new elevated performance level has been achieved by strictly following ECLIPSE's low distortion/high excursion speaker cone design philosophy. It is capable of some 1.4 inches of travel which is the most in its class.



SW7324DVP

12" Subwoofer (4Ω + 4Ω)

- 12" Solid aluminum cone
- Diecast aluminum basket with patented technology
- Continuous power handling: 450W
- Maximum power handling: 900W
- 2" voice coil



SW7304DVP

10" Subwoofer (4Ω + 4Ω)

- 10" Solid aluminum cone
- Diecast aluminum basket with patented technology
- Continuous power handling: 400W
- Maximum power handling: 800W
- 2" voice coil

SW7500 Hybrid Series

An innovative addition to the ECLIPSE subwoofer line, the SW7500 Series makes use of hybrid cone materials using a proprietary combination of laminate materials. The end result is a distinctive and attractive cone appearance. More than just looks, the SW7500 delivers 350W of solid bass. Also contributing to its impressive looks is the neat one-row terminal block in one position on the basket. Allowing easier and neater installations makes the SW7500 well-suited for competition use.



SW7524DVC

12" Subwoofer (4Ω + 4Ω)

SW7524.8 12" Subwoofer (8Ω)

SW7524.4 12" Subwoofer (4Ω)

- 12" hybrid cone
- Diecast aluminum basket
- Continuous power handling: 300W
- Maximum power handling: 600W
- Show-tech styling



SW7504DVC

10" Subwoofer (4Ω + 4Ω)

SW7504.8 10" Subwoofer (8Ω)

SW7504.4 10" Subwoofer (4Ω)

- 10" hybrid cone
- Diecast aluminum basket
- Continuous power handling: 300W
- Maximum power handling: 600W
- Show-tech styling

	SW7324DVP	SW7304DVP	SW7524DVC	SW7524.8	SW7524.4	SW7504DVC	SW7504.8	SW7504.4
Size	12"	10"	12"	12"	12"	10"	10"	10"
Fs	31Hz	31Hz	36Hz	36Hz	36Hz	38Hz	38Hz	38Hz
Qts	0.56	0.7	0.50	0.52	0.44	0.53	0.48	0.42
DCR	4Ω + 4Ω	4Ω + 4Ω	3.6Ω + 3.6Ω	7.2Ω	3.6Ω	3.6Ω + 3.6Ω	7.2Ω	3.6Ω
Vas	3.32 Cuft	1.39 Cuft	2.43 Cuft	2.39 Cuft	2.12 Cuft	0.97 Cuft	1.16 Cuft	1.06 Cuft
Xmax (one way)	1.25"	1.2"	0.73"	0.73"	0.73"	0.73"	0.73"	0.73"
Continuous Power Handling	450W	400W	300W	300W	300W	300W	300W	300W
Maximum Power Handling	900W	800W	600W	600W	600W	600W	600W	600W

Subwoofers

SW6100 DVC Series

SW6100 Series

When immense power is not the ultimate goal, the SW6100 Series offers a perfect solution. It combines several of the most demanded features in a subwoofer. The hybrid aluminum cone style uses a proprietary combination of laminate materials for an impressive appearance as well as extraordinary dimensional stability. Offering double the cone excursion at 1.17", of any other speaker in its class, the SW6100 delivers a healthy output of 250W. In addition, a stamped chrome speaker basket sets off the speaker in any installation.

- Composite Alloy Cone
- 3/4-inch wide santoprene surround
- Chrome Airovent Basket
- Long-throw bottomless motor structure
- Rubber Magnet Boot
- CONEX® spider
- Spider woven tinsel leads
- Small sealed box enclosures
- Concave inverted dust cap
- Double-stacked magnets
- Chrome push speaker terminals (accepts 10 AWG cable)



SW6123DVC

12" Dual Voice Coil Subwoofer (4Ω + 4Ω)

SW6123.4 12" Subwoofer (4Ω)

- Frequency Response: 20Hz ~ 2kHz
- Continuous power handling: 250W
- Maximum power handling: 500W

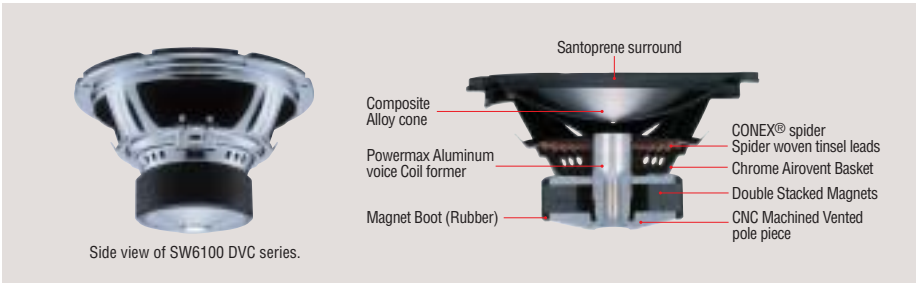


SW6103DVC

10" Dual Voice Coil Subwoofer (4Ω + 4Ω)

SW6103.4 10" Subwoofer (4Ω)

- Frequency Response: 20Hz ~ 2kHz
- Continuous power handling: 200W
- Maximum power handling: 400W



Both SW6100 DVC & SW6100 Series employ CONEX® spider santoprene surrounds, double-stacked magnet and long-throw bottomless motor structure.

	SW6123DVC	SW6123.4	SW6103DVC	SW6103.4
Frequency Responce	20Hz ~ 2kHz	20Hz ~ 2kHz	20Hz ~ 2kHz	20Hz ~ 2kHz
SPL (1w/m)	85dB	85.3dB	83dB	83.4dB
Fs	29Hz	29Hz	34Hz	34Hz
Qts	0.78	0.78	0.83	0.78
DCR	3.6Ω + 3.6Ω	3.6Ω	3.6Ω + 3.6Ω	3.6Ω
Vas	2.52 Cuft	2.4 Cuft	1.14 Cuft	1.31 Cuft
Xmax (one way)	0.78"	0.81"	0.78"	0.81"
Continuous Power Handling	250W	250W	200W	200W
Maximum Power Handling	500W	500W	400W	400W

Subwoofer **SYSTEMS**

ECLIPSE fills the need for complete high-performance subwoofer systems comprised of driver units and enclosures. Available in several configurations to optimally match user vehicles from trucks and SUVs to cars, these subwoofer systems make it easy to achieve solid, extended lows in mobile environments that pose difficulties for obtaining well balanced sound. Craftsmen-constructed from sturdy wood, these enclosures are carefully assembled and well-damped for a tight bass. Finished in attractive and durable vinyl, these subwoofer systems are ready for final installation, requiring just speaker cables to be connected. Once installed ECLIPSE subwoofer systems add a completely new dimension to the sound, providing a solid foundation for a truly dynamic full bandwidth sound system.



SW5124BX
12" Truck-box Subwoofer System NEW

- Frequency Response: 35Hz ~ 250Hz
- Continuous power handling: 125W
- Maximum power handling: 250W

Featuring a configuration specifically designed for the installation space requirements of trucks, SUVs and similar vehicles, the SW5124BX incorporates a special low-profile bass driver that saves space and still delivers a massive low frequency sound. Designed with dimensions to maximize the potential of this driver and still restrict the amount of space required, this system allows achieving a dynamic and well-balanced sound that integrates smoothly with other system speakers.



Cutaway view of the SW5124 Lo-Profile Custom Application Woofer shows the significantly reduced depth of this speaker that makes it an ideal choice to install in a truck-box enclosure.

BX: Box
D: Double



SW6124BXD
12" x 2 Subwoofer System
SW6104BXD
10" x 2 Subwoofer System NEW

- Frequency Response: 28Hz ~ 250Hz
- Continuous power handling: 500W/400W
- Maximum power handling: 1000W/800W



SW6124BX
12" Subwoofer System
SW6104BX
10" Subwoofer System NEW

- Frequency Response: 35Hz ~ 250Hz
- Continuous power handling: 250W/200W
- Maximum power handling: 500W/400W



SW6102.4BX
10" "Bass" Bandpass Subwoofer

- Frequency Response: 30Hz ~ 150kHz
- Continuous power handling: 200W(RMS)
- Maximum power handling: 300W

	SW6124BXD	SW6104BXD	SW6124BX	SW6104BX	SW5124BX	SW6102.4BX
Subwoofer Driver	SW6124 x 2	SW6104 x 2	SW6124	SW6104	SW5124	SW6102.4
Frequency Response	28Hz ~ 250Hz	28Hz ~ 250Hz	35Hz ~ 250Hz	35Hz ~ 250Hz	35Hz ~ 250Hz	30Hz ~ 150Hz
Sensitivity 1W/m SPL	88dB	86dB	85dB	83dB	88dB	88dB
Normal Impedance	8Ω + 8Ω Parallel	8Ω + 8Ω Parallel	4Ω	4Ω	4Ω	4Ω
Dimensions (W x H x D)	27.6" x 13.8" x 15.3"	23.6" x 12.7" x 15.3"	14.7" x 13.9" x 15.3"	13.5" x 12.7" x 15.3"	18.9" x 15" x 8"	22" x 12.6" x 15.3"
	701 x 350 x 389mm	600 x 323 x 389mm	373 x 353 x 389mm	343 x 323 x 389mm	480 x 381 x 203mm	701 x 350 x 389mm
Weight (Gross)	51.8lbs (23.5kg)	46.8lbs (21.3kg)	30.8lbs (14kg)	21.2lbs (9.6kg)	26lbs (11.8kg)	40lbs (18.2kg)
Weight (Net)	51.3lbs (23.3kg)	46.4lbs (21kg)	30.5lbs (13.9kg)	20.9lbs (9.6kg)	25.5lbs (11.6kg)	36.1lbs (16.4kg)
Finish	Grey & Black Vinyl	Grey & Black Vinyl	Grey & Black Vinyl	Grey & Black Vinyl	Grey & Black Vinyl	Vehicle grade gray carpet.
Continuous Power Handling	500W	400W	250W	200W	125W	200W (RMS)
Maximum Power Handling	1000W	800W	500W	400W	250W	300W

Component Series Speakers

When size limitations are a factor for speaker installations, ECLIPSE Component Series Speakers are an ideal choice. These are complete two- and three-way speaker systems with different components and crossovers designed to synergistically work together in perfect balance right from the start. Notable design elements include PentaCone technology that reduces speaker cone-induced distortion by minimizing standing waves from being generated. Tight, focused low frequencies, an open midrange and extended highs characterize these systems which include audiophile-grade passive crossovers housed in their own enclosures. In the two-way systems, the curvilinear speaker cone results in an exceptionally linear response over a wide listening area and better matches the mid-woofer and treble drivers. Incorporating sophisticated materials such as a magnesium frame woofer basket, smooth-sounding silk dome tweeters with neodymium magnets, attention to details is also found in the passive crossovers which are free of resistors, relying only on capacitors and inductors as well as including high-power thermistor tweeter protection.



SC8264
6-1/2" 2-Way System Driver with 1" Aluminum Tweeter

- Frequency Response: 50Hz ~ 22kHz \pm 3dB
- Continuous Power Handling: 120W
- Music Power Handling: 250W
- Mounting Depth: 2-7/8"

Midrange driver

- Mica-filled, curvilinear composite cone
- 8-spoke, diecast vented aluminum basket frame
- Santoprene rubber surround
- Symmetrical Low Distortion Spider
- High porous spider material
- 1-1/4" voice coil
- Aluminum voice coil former
- Narrow gap coil design
- Chromed vented air-cooled pole piece
- Gold-plated input terminals
- Grills included

High Frequency Driver

- 1" aluminum tweeter
- Neodymium magnet
- 1" aluminum hard dome tweeter cone
- Ferro-fluid cooling
- Flush and angle mounting kits included



SC8254
5-1/4" 2-Way System Driver with 1" Aluminum Tweeter

- Frequency Response: 65Hz ~ 22kHz \pm 3dB
- Continuous Power Handling: 100W
- Music Power Handling: 200W
- Mounting Depth: 2-3/8"

Crossover

- Passive 2-way optimized component-specific crossover network
- Compact, low-profile crossover with clear plexiglass cover
- 12dB/octave hi- and low-pass Butterworth filters
- Tweeter protection circuit
- Air/iron core inductors
- ECLIPSE HQ capacitors
- 3-step (-3/0/+3dB) (selectable tweeter sensitivity)
- Gold-plated input/output terminals

Point Source Series Speakers

SA-Series 3-Way Point Source Speakers with CTA (Compound Tweeter Array)

ECLIPSE SA-Series speakers are point source 3-way speaker systems with the woofer, midrange and high-frequency components all in the same axis for focused sound dispersion. The addition of time alignment enhances all the advantages of a true point source.

Enhanced clarity with the Compound Tweeter Array (CTA)

The Compound Tweeter Array (CTA) comprises a large diameter soft dome midrange/tweeter driver that crosses over from the woofer at 3kHz or 3.5kHz (depending on the SA-Series model) and handles frequencies up to 8kHz. A Super Tweeter takes over with a high-frequency response that goes all the way out past 40kHz. This makes for increased clarity but without extra brightness or glare. The CTA also enables better high frequency energy dispersion and substantially improves the speaker's off-axis response characteristics

Improved imaging with Time Alignment.

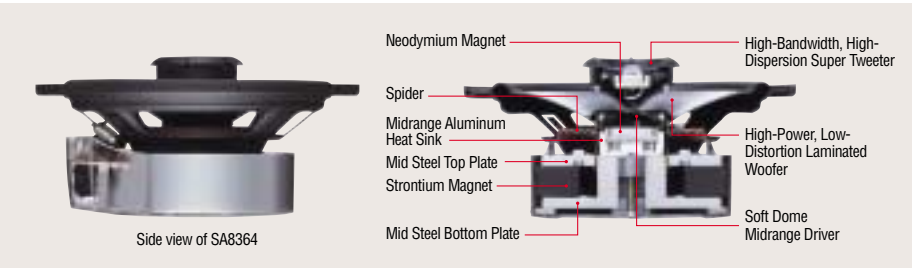
A time-aligned speaker exhibits precise imaging with excellent phase coherency. SA speaker units position the woofer and soft dome midrange diaphragms axially on the same plane for symmetrical time and distance alignment. The woofer cone and midrange dome are also mechanically aligned for optimal phase coherency and imaging. The super tweeter is on a mount directly above the midrange dome that also acts as a phase plug.

Perfect for system expansion.

The SA Series is ideal for use alone as high-performance replacement speakers that instantly upgrade any in-car system. They are also perfect for use with other components to create extraordinary systems. Additional low frequency augmentation is easy using any of ECLIPSE's various subwoofers powered by dedicated subwoofer amplifiers.

Crossover network

Each SA-Series speaker incorporates a computer-optimized crossover designed to maximize sonic purity and allow greater power handling with less distortion. ECLIPSE proprietary capacitors and quality components are utilized to ensure the three drivers produce a smooth, seamless sound.



SA8394
6 × 9" 3-Way Point Source with CTA



SA8374
5 × 7" 3-Way Point Source with CTA



SA8364
6-1/2" 3-Way Point Source with CTA

- Easily fits stock speaker footprints
- Simple installation
- 3-Way time aligned point source design
- Aluminum voice coil former
- CTA (Compound Tweeter Array) for response to 40kHz
- 12dB/octave crossover
- Midrange/tweeter protective circuit
- Wide frequency response
- Protective grille

	SA8394	SA8374	SA8364
Size	6 × 9"	5 × 7"	6-1/2"
Frequency Response	40Hz — 40kHz	52Hz — 40kHz	82Hz — 40kHz
Santoprene Surround	●	●	●
Laminated Mica-filled Polypropylene Cones	●	●	●
Ferro-Fluid Cooled Soft Dome Midrange Driver	●	●	●
Ferro-Fluid Cooled Super Tweeter	●	●	●
Midrange/Tweeter Protection	●	●	●
Mounting Depth	3-3/8"	2-9/16"	2-1/4"
Grill or Adaptor	Grill + Spacer	Grill + Spacer	Grill + Spacer
Continuous Power Handling	85W	50W	50W
Music Power Handling	170W	100W	100W

Point Source Series Speakers

2-Way Point Source Series Speakers

ECLIPSE's 2-Way Point Source Series speakers offer an unbeatable combination of excellent sound quality and ease of installation. Available in a variety of sizes for compatibility with most factory-installed speaker mounting spaces, these 2-way point source speakers can instantly improve a system's total sound quality. The point source configuration of these speakers helps realize accurate imaging and a wide, expansive soundstage. Positioning the high frequency driver concentrically in the center

of the low frequency's voice coil dramatically improves phase and imaging characteristics because the high and low frequencies are correctly aligned.

Concentrically-mounted tweeter.

Mounting the high frequency driver unit in the center of the low frequency unit voice coil allows point source speakers to approach an acoustic ideal, that is, all frequencies both high and low radiating from a single point.

Computer-optimized crossover networks.

High quality parts are used to create efficient and crossover networks that minimize distortion and allow for smooth transitions between drivers. The crossovers are securely mounted directly to the woofers for ease of installation.



SP8994 6 × 9" 2-Way Point Source NEW

- Frequency Response: 40Hz ~ 20kHz
- Continuous Power Handling: 85W
- Music Power Handling: 170W



SP8974 5 × 7" 2-Way Point Source NEW

- Frequency Response: 65Hz ~ 20kHz
- Continuous Power Handling: 50W
- Music Power Handling: 100W



SP8964 6-1/2" 2-Way Point Source NEW

- Frequency Response: 70Hz ~ 20kHz
- Continuous Power Handling: 50W
- Music Power Handling: 100W



SP8954 5-1/4" 2-Way Point Source NEW

- Frequency Response: 80Hz ~ 20kHz
- Continuous Power Handling: 40W
- Music Power Handling: 80W



SP8944 4" 2-Way Point Source NEW

- Frequency Response: 90Hz ~ 20kHz
- Continuous Power Handling: 40W
- Music Power Handling: 80W
- 4 × 6 adaptor plate included

	SP8994	SP8974	SP8964	SP8954	SP8944
Size	6 × 9"	5 × 7"	6-1/2"	5-1/4"	4"
Frequency Response	40Hz ~ 20kHz	65Hz ~ 20kHz	70Hz ~ 20kHz	80Hz ~ 20kHz	90Hz ~ 20kHz
Santoprene Surround	●	●	●	●	●
Injection-molded Polypropylene-Cone Material	●	●	●	●	●
Aluminum Voice Coil Former	●	●	●	●	●
Neodymium Polycarbon Hard Dome Tweeter	1" Ferro-Fluid Cooled	3/4" Ferro-Fluid Cooled	3/4" Ferro-Fluid Cooled	3/4" Ferro-Fluid Cooled	3/4" Ferro-Fluid Cooled
Computer-optimized Crossover	●	●	●	●	●
Tweeter Protection	●	●	●	●	●
Mounting Depth	3-7/16"	3-7/16"	2-3/8"	2-5/16"	2-1/16"
Grill Included	●	6 × 8" adaptor plate	●	●	● and 4 × 6" adaptor plate

Integrated Series Speakers

ECLIPSE Integrated Series speakers are integrated concentric units that are designed to replace factory speakers for significantly better music fidelity.

Mica-Filled Polypropylene (MFP) cone material

The ECLIPSE speaker cone is mica-filled polypropylene for rigidity under intense power, ensuring distortion-free performance.

Butyl rubber surround

The butyl rubber surround allows linear cone excursion and dampens cone resonance for undistorted dynamic peaks and clarity at all levels.

Kapton voice coil former

Handles a large amount of heat without deforming.

Tweeter protection

A solid state device protects the speaker system

from power overloads. This device will momentarily shut down the tweeter circuit, and will automatically reset when the condition normalizes.

Super tweeter (for SE8493, SE8363, SE8353, SE8403, SE8373 only)

To accommodate the extended high frequency response of DVD-A discs and to provide superior treble reproduction, the 3-way units incorporate a newly developed super tweeter that goes all the way out to 40kHz (typically 50kHz).

Small neodymium tweeter

The use of a neodymium magnet improves speaker efficiency.



SE8493 6 × 9" 4-Way

- Frequency Response: 50Hz ~ 40kHz
- Continuous Power Handling: 75W
- Music Power Handling: 150W



SE8373 5 × 7" 3-Way

- Frequency Response: 85Hz ~ 40kHz
- Continuous Power Handling: 40W
- Music Power Handling: 80W



SE8463A 4 × 6" 2-Way

- Frequency Response: 105Hz ~ 40kHz
- Continuous Power Handling: 30W
- Music Power Handling: 60W



SE8463E 4 × 6" 2-Way

- Frequency Response: 105Hz ~ 40kHz
- Continuous Power Handling: 30W
- Music Power Handling: 60W

	SE8493	SE8373	SE8463A	SE8463E	SE8363
Size	6 × 9" 4-Way	5 × 7" 3-Way	4 × 6" 2-Way	4 × 6" 2-Way	6-1/2" 3-Way
Frequency Response	50Hz ~ 40kHz	85Hz ~ 40kHz	105Hz ~ 40kHz	105Hz ~ 40kHz	90Hz ~ 40kHz
Sensitivity	98dB	91dB	89dB	80dB	90dB
Mica/Poly Cone	●	●	●	●	●
Rubber Surround	●	●	●	●	●
Kapton Voice Coil Former	●	●	●	●	●
Midrange Dome	Mylar	—	—	—	—
Mylar Tweeter Dome	●	●	●	●	●
Super-Tweeter Dome	Mylar	PEI	—	—	Mylar
Neodymium Tweeter Magnet	●	●	●	●	●
Ferrite Woofer Magnet	●	●	●	●	●
Mounting Depth	3-1/16"	2-1/8"	1-3/4"	1-3/4"	1-7/8"



SE8363 6-1/2" 3-Way

- Frequency Response: 90Hz ~ 40kHz
- Continuous Power Handling: 40W
- Music Power Handling: 80W



SE8353 5-1/2" 3-Way

- Frequency Response: 90Hz ~ 40kHz
- Continuous Power Handling: 30W
- Music Power Handling: 60W



SE8403 4 x 10" 3-Way

- Frequency Response: 65Hz ~ 40kHz
- Continuous Power Handling: 35W
- Music Power Handling: 70W



SE8243 4" 2-Way

- Frequency Response: 105Hz ~ 40kHz
- Continuous Power Handling: 25W
- Music Power Handling: 50W



SE8233 3-1/2" 2-Way

- Frequency Response: 120Hz ~ 40kHz
- Continuous Power Handling: 20W
- Music Power Handling: 40W

Marine Loudspeaker

ECLIPSE introduces a high-performance speaker that is impervious to the elements and specifically designed for excellent response in an open-air environment such as on a boat.



SM8263 Marine Loudspeaker

Waterproof full-range speaker

Sensitivity	85dB
Woofer Cone	6-1/2" (UV Solar-Protected)
Tweeter	20mm Aluminum Hard Dome (UV Solar-Protected)
Basket	One Piece Cast Powder Coated Aluminum
Grille	Polycarbonate Plastic (UV Solar-Protected)
Woofer Magnet	Ferrite
Tweeter Magnet	Neodymium
Mounting Depth	3-1/2"

SE8353	SE8403	SE8243	SE8233
5-1/2" 3-Way	4 x 10" 3-Way	4" 2-Way	3-1/2" 2-Way
90Hz ~ 40kHz	65Hz ~ 40kHz	105Hz ~ 40kHz	120Hz ~ 40kHz
90dB	92dB	89dB	87dB
●	●	●	●
●	●	●	●
●	●	●	●
—	—	—	—
●	●	●	●
Mylar	Mylar	—	—
●	●	●	●
●	●	●	●
1-7/8"	2-3/8"	1-5/8"	1-1/2"