

Clarion Amplifiers, Speakers for 2004...

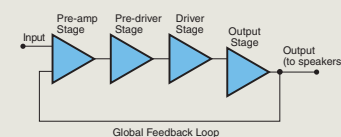
At the summit of car sound, all listener's ideals become reality.

Speakers comprise the output gate of the audio system, literally having a final say on the final stage. Power amplifiers have an enormous impact on the sound quality of the system as well. Sound reproduction that is as close as technically possible to the original sound source is the goal of all discerning listeners, and can only be achieved through high-level collaboration of amplifier and speaker. Whether you seek enjoyment through music or total satisfaction through an in-car theatre, the pursuit of high quality sound and the development of a formidable system that is not adversely affected by in-car environmental issues is essential. No matter what type of system you intend to create, Clarion amplifiers and speakers are ready to meet your demands with polished, high quality sound.

> The Amplifier Technologies >

Technologies (APA4300HX)

Clarion's amplifiers contain high-impedance differential input stages and premium devices that offer global feedback with large-capacity transfer capabilities, thereby instantaneously controlling noise even during high output. Since the high-impedance input stage is separated from



the chassis, an effective ground loop isolation circuit is created, reducing the possibility of charging system noise from entering the signal path, and contributing to a clear sound with low noise.

Gapped E core Choke Coils (APA4320/2160)

Utilised in the power supply circuitry, Gapped E core choke coils offer low impedance, making them resistant to harmful magnetic noise. This results in a more efficient amplifier and a low-noise power supply, which is important when achieving crystal clear sound.

Gold Plated RCA and Block Terminal on all Amplifiers

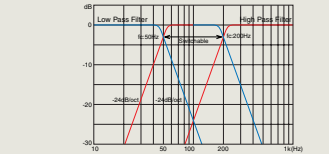
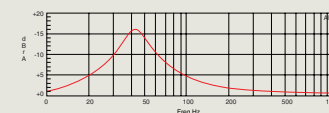
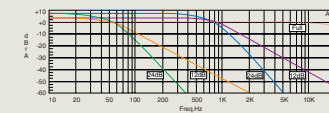
By utilising gold-plated RCA (APA4320/2160/4300HX) and block terminals (APA4320/2160), Clarion's amplifiers offer increased conductivity and low signal loss. Gold has an extremely low electrical resistance and low contact resistance,

which helps to prevent voltage drops, noise, heating and other problems from occurring.



Variable High/Low Pass Crossover

APA4300HX/4320/2160 have built-in low pass and high pass filters (APA4320/2160: -12dB/oct. APA4300HX: -24dB/oct.), allowing for adjustment in the APA4320/2160: 55Hz to 550Hz, APA4300HX: 50Hz to 200Hz frequency range over all channels. This allows for



easy configuration of more complicated sound systems that encompass multiple amplifiers and subwoofers.

2 Ohm Stability (APA4320/2160)

Utilising this design for peak performance and unwavering reliability, APA4320/2160 amplifiers can drive lower impedance loads for increased power.

> The Speaker Technologies >

Clarion's XW Series Subwoofers

Representing the latest in subwoofer technology, Clarion's flagship XW Series blends durability with unmatched performance. The result is bass that hits with purpose, awakening the senses with unbridled power. Boasting a uniquely designed cast aluminium basket for superior strength, Clarion's XW series subwoofers prevent warping and excess vibration. This design also adds additional support to the speaker terminals to further eliminate the possibility of failure. To achieve peak performance, Clarion has outfitted its subwoofer line with a lightweight cone that blends polypropylene with a special aluminium coating. Clarion provides additional power handling by employing a double-stacked strontium-ferrite magnet to energise the line's heat-resistant, aluminium voice coils. Clarion also institutes its exclusive Spider Exhaust Technology (SET), which provides additional cooling to the surface of its subwoofers for increased power handling. Providing additional bass output is a new method of supporting the tinsel wire between the voice coil and speaker connectors. By weaving the tinsel into the spider material, stress and vibrations that can affect the tinsel wire is prevented, resulting in an efficient cone throw.

Aluminium-Coated Polypropylene Cone

The polypropylene cone uses a highly rigid aluminium coating to deliver highly reliable, low frequency reproduction. The synergistic effect of the two materials is high-speed responsiveness, which is important when fielding signals emitted from a



digital source. This design also is ideal to ward off distortion, enabling high input power and dynamic impact.

Rubber Surrounds

The rolled edge of the surround not only allows for linear movement of the cone, but it also instantaneously stops cone movement after the signal has been reproduced. This prevents unbalanced distortion and wrinkles from reaching the cone, which can damage the drive. Whether fielding a high or low input level, the highly elastic rubber surround allows Clarion's XW Series subwoofers to supply your sound system with thundering, yet tight bass.

Dual 4 Ohm Voice Coils

Clarion's subwoofers utilise dual voice coils for linear tracking of large amplitude input signals. Dual coils reduce the counter electromotive force, which often occurs in the high-range bands. It also prevents variations in the woofer's impedance to eliminate distortion. Employing a dual voice coil configuration – which provides extremely high magnetic efficiency – the woofers also allow for powerful magnetic operation. This results in a subwoofer that is efficient, powerful, and boasts high sensitivity.

Glass Fibre Woofer Cone

With its woven glass fibre material, Clarion's speaker cones tout the type of rigidity that will stand up to the rigorous in-car environment. This material also produces little to no distortion because of its ability to prevent the cone from flexing during high input levels. The result is rich, full bass that harmoniously melds with tight, accurate music reproduction.

In Phase Coaxial Design

A key component to experiencing natural sound imaging and staging is In Phase Coaxial Design. The tweeter's "In Phase" configuration minimises the phase differential between the woofer and tweeter, and prevents the time lag between high and low frequency sounds from being audible to the listener.

Mica Injection Polypropylene Cone

By blending mica particles into the polypropylene material injected into the moulded cones, Phase1 speakers remain rigid under intense power, ensuring distortion-free performance. This is especially important when the speakers are matched with a digital source. (SRR1615, SRR6915, SRC4615, SRC5715)



APA4300HX **NEW**

4/3/2CH AMPLIFIER

*APA4300HX is not available in Australia.

FEATURES

- Bridgeable for 4-3 or 2ch mode operation
- Power Guard Circuit
- Low-loss Power Supply with high power output
- Continuous Average Power Output: 300W (75W x 4 into 4-ohms, 20 Hz-20 kHz, 0.02 % THD)
- Maximum Power Output: 600W (150W x 4 into 4-ohms)
- Variable 4ch low pass filter and high pass filter (50-200Hz)
- Bass Extender (40~120 Hz, 0~+12 dB)
- Direct Input
- Digital Display with 4ch status information
- Aluminium Housing with built-in cooling fan
- Speaker level input terminals
- 100 kHz Extremely High Frequency Reproduction
- Dolby Digital/dts Ready

Unlimited Potential for Sound that Envelopes the Senses.

Current Feedback Amplification Circuit

By employing a current feedback amplification circuit — regarded as the circuit of choice in the home audio industry — Clarion's APA4300HX paves the way to future technologies such as DVD-Audio. This unique design maximises the potential of an amplifier, allowing it to realise even ultra-high frequency levels of 100kHz. This wideband, high-speed amplification circuit also ensures stable phase characteristics and response, resulting in warm, rich sound.

Melding Rich Sound With Crystal Clear Harmonics

Allowing for the harmonious blend of soulful vocals with tone-rich instruments, Clarion's current feedback amplification circuit allows your amplifier to add dimension to your music. Fielding ultra-high frequency sound in the range of 100kHz, the amplification circuit provides your music with additional harmonic elements while maintaining the main frequency element. The result is sound that engulfs the senses.

Ultra High Range Reproduction Cancels Phase Shift

Unlike conventional amplifiers, which allow phase shifts of high-range frequencies to become audible, Clarion's APA4300HX — equipped with a current feedback amplification circuit — cancels these sound-hindering interruptions, resulting in crystal clear sound.

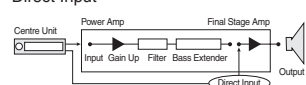
Aluminium Heat Sinks and Forced Cooling Fan

For superior heat dissipation, Clarion's APA4300HX employs a large, tunnel-shaped sub heat sink, as well as an internal, heat-sensitive fan. Located to the centre of the chassis, the fan adds additional heat protection to internal parts. This means the amplifier will maintain peak performance even when operating under extreme conditions.

Direct Input Terminal

The longer an audio signal travels the more chance there is for sound quality degradation. By employing a direct input terminal, the audio signal travels a short distance from input to output during amplification, allowing the signal to maintain its original characteristics. The straight and non-contact circuit also eliminates any contact points that can potentially harm your system's sound quality. This results in a smooth signal transfer and superior performance.

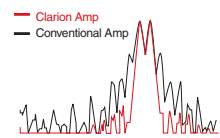
Direct Input



Power Guard Circuit

The APA4300HX's input stage prevents the generation of clipping distortion by holding down the gain when overdrive distortion is detected at the output stage. By removing only distortion elements, the amplifier protects your speakers from potential damage while also maintaining its superior sound qualities.

Power Guard



4-Part Digital Meter

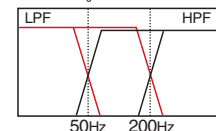
Stay in tune with your amplifier with the APA4300HX's 4-Part digital meter. Monitor your amplifier's real-time power output level and consumption, voltage level and internal temperature.



Low Pass and High Pass Filters

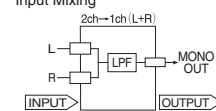
Outfitted with built-in, low pass and high pass filters (-24 dB/oct.), the APA4300HX allows for adjustment in the 50Hz to 200Hz frequency range over all channels. This setup is ideal when operating a system that touts multiple amplifiers and subwoofers.

Low Pass & High Pass Filters



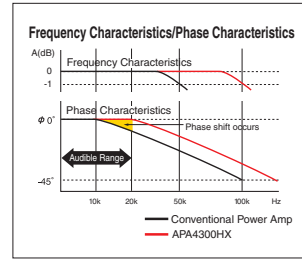
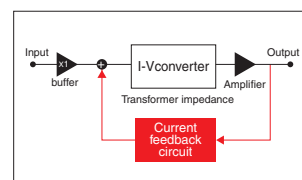
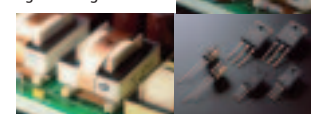
Input Mixing

Clarion equips its APA4300HX with an input mixing function, a key feature when bridging the left and right signals. Combine that feature with the unit's built-in, low pass and high pass filters and the result is an amplifier that harmoniously complements a monaural subwoofer.



Low-Loss High-Output Power Supply and Quality Parts

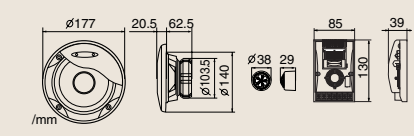
Clarion equips the APA4300HX's power supply with a high-performance, low-loss, MOSFET-based, PWM-type DC/DC converter. The amplifier's circuit structure boasts large-capacity, low impedance capacitors, a large toroidal choke coil, a super thin circuit board and a copper BASS-BAR. The result is a power supply that maintains stability even during sudden signal changes.



SRS1751HX 200W **NEW**

16.5cm 2-WAY COMPONENT SYSTEM

- 16.5cm Glass-Fibre Cone Mid-range/Woofer
- Woofer with Powerful Strontium Magnet
- 2cm Pure Silk Dome Tweeter with Dual-Neodymium Magnet
- 2-Way Mounting Tweeter (Variable Angle Flush Mounting/Surface Mounting)
- 120 kHz Extremely High Frequency Reproduction
- Super Heat-Resistant Voice Coil and Polyimide Bobbin
- High Grade -12 dB/oct 2-way Crossover Network
- Tweeter Level Attenuator (0, -3 dB)
- Tweeter Protector Circuit
- High Grade Air-Core Inductor & Mylar Capacitor
- Gold-Plated Terminals
- Flush & Surface Tweeter Mounting
- Rear-Vented Pole Piece
- Butyl-Rubber Surround
- Dolby Digital/dts Ready
- Fs: 65 Hz
- Qts:0.93
- Vas: 9.0 litres
- Music Peak Power 200W
- Frequency Response: 25~120,000 Hz
- Efficiency: 91 dB

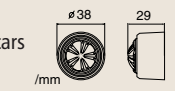


SRH291HX 200W **NEW**

2cm SUPER TWEETERS



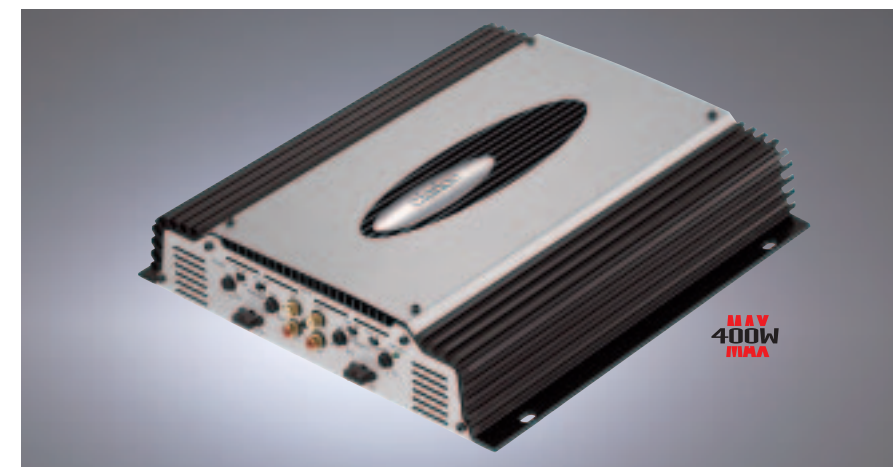
- 2cm Pure Silk Dome Tweeter with Dual-Neodymium Magnet
- 2-Way Mounting Tweeter (Variable Angle Flush Mounting/Surface Mounting)
- Built-in-6 dB/oct. Crossover Network
- Dolby Digital/dts Ready
- Installation Kit Included
- Suitable for installation in many passenger cars
- Music Peak Power 200W
- Frequency Response: 2000~120,000 Hz
- Efficiency: 90 dB



APA4320 NEW

4/3/2CH AMPLIFIER

- Maximum Power Output 640W
- Continuous Average Power Output 320W (80W x 4 into 4-Ohms 20Hz-20kHz @0.05% THD)
- Typical 2-Ohm Stereo 115W x 4 @ 0.2% THD
- Typical Bridged Power 230W x 2 @ 0.2% THD
- Bass Extender Control 0~15dB @ 45Hz
- Adjustable 55Hz-550Hz, 12dB/oct. High/Low Pass Crossover
- 4/3/2ch bridgeable mode operation
- MOSFET Output Design
- Speaker Level Inputs
- Double-Sided FR4 PC Board



APA4320 **MAX 640W RMS**

APA2160 NEW

2/1CH AMPLIFIER

- Maximum Power Output 320W
- Continuous Average Power Output 160W (80W x 2 into 4-Ohms 20Hz-20kHz @0.05% THD)
- Typical 2-Ohm Stereo 125W x 2 @ 0.2% THD
- Typical Bridged Power 1kHz 250W x 1 @ 0.2% THD
- Bass Extender Control 0~15dB @ 45Hz
- Adjustable 55Hz-550Hz, 12dB/oct. High/Low Pass Crossover
- 2/1ch bridgeable mode operation
- Built-In Bridging Capability
- MOSFET Output Design
- Speaker Level Inputs
- Double-Sided FR4 PC Board



MAX 320W RMS

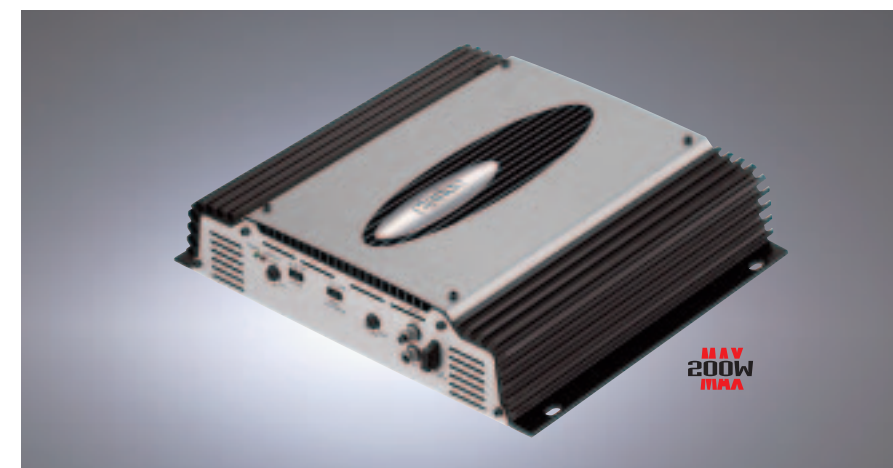
APA2160

APA450 NEW

4/3/2CH AMPLIFIER

- Maximum Power Output 400W
- Continuous Average Power Output 200W (50W x 4 Into 4-Ohms 20Hz-20kHz)

- Typical 2-Ohm Stereo 100W x 4
- Switchable Bass Boost Control 0dB/6dB/12dB
- Adjustable 50Hz-250Hz High/Low Pass Crossover
- 4/3/2ch bridgeable mode operation
- Speaker Level Inputs



APA250 NEW

2/1CH AMPLIFIER

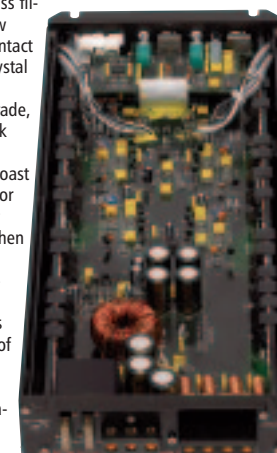
- Maximum Power Output 200W
- Continuous Average Power Output 100W (50W x 2 Into 4-Ohms 20Hz-20kHz)

- Typical 2-Ohm Stereo 100W x 2 @0.5% THD
- Switchable Bass Boost Control 0dB/6dB/12dB
- Adjustable 50Hz-250Hz, High/Low Pass Crossover
- 2/1ch bridgeable mode operation
- Speaker Level Inputs

APA4320/2160

Circuit Design Achieves High Quality Sound

Encompassing a host of high quality components, Clarion's APA series amplifiers take your music to whole new level. Touting uncompromising resistance to magnetic noise, the circuit design utilised by Clarion's amplifiers allow for easy subwoofer system configurations using its embedded high-pass and low-pass filters. Offering low electrical and contact resistance for crystal clear sound is Clarion's high-grade, gold-plated block terminals. These amplifiers also boast 2-ohm stability for increased power and reliability when connected to speakers with 2-ohm loads. Put simply, Clarion is unveiling a line of amplifiers that tout superior power and versatility.



Striking a Chord Through Cosmetic Functionality

From its wave-like heat sink design to its striking aluminium die-cast body and centre heat exhaust port, Clarion demonstrates its pursuit for cutting-edge looks and performance through flawless execution. Working two-fold, the design not only boasts progressive aesthetics, but also the ability to maximise heat dissipation effects for high-power performance in minimal space. On the heels of perfection, Clarion leaves no stone unturned with a design that melds functionality and eye-popping cosmetics.



Outstanding System Upgradeability

Touting versatility and flexibility, Clarion's amplifiers are the perfect complement to any multiple subwoofer and amplifier setup. Because of its built-in, low-pass and high-pass filters, the amplifiers allow for adjustment in the 55Hz to 550Hz frequency range over all channels. They can also be switched to handle higher frequency ranges between 550Hz to 5,500Hz with a simple touch of a button. The amplifiers also tout input mixing for additional adaptability when wiring the amplifiers in a bridged configuration, allowing the left and right input signals to adequately feed a monaural subwoofer.

XW1200 1000W NEW

12-INCH DUAL VOICE COIL SUBWOOFER



- Polypropylene Woofer Cone with a Special Aluminium Coating
- S.E.T. Spider Exhaust Technology
- Dual 4-Ohm Voice Coil
- Cast Aluminium Basket with Unique Design
- Heat-Resistant TIF Voice Coil
- Rear-Vented Pole Piece
- Inverted Rubber Surround
- Polypropylene Dust Cap with Clarion Embossed Logo
- Chrome-Plated Connectors
- Large Double-Stacked Strontium Ferrite Magnet
- 1000W Music Peak Power

XW1200



XW1500 1200W NEW

15-INCH DUAL VOICE COIL SUBWOOFER



- Polypropylene Woofer Cone with a Special Aluminium Coating
- S.E.T. Spider Exhaust Technology
- Dual 4-Ohm Voice Coil
- Cast Aluminium Basket with Unique Design
- Heat-Resistant TIF Voice Coil
- Rear-Vented Pole Piece
- Inverted Rubber Surround
- Polypropylene Dust Cap with Clarion Embossed Logo
- Chrome-Plated Connectors
- Large Double-Stacked Strontium Ferrite Magnet
- 1200W Music Peak Power

XW1500



XW1500



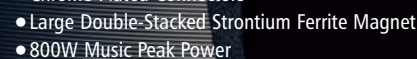
XW1000 800W NEW

10-INCH DUAL VOICE COIL SUBWOOFER



- Polypropylene Woofer Cone with a Special Aluminium Coating
- S.E.T. Spider Exhaust Technology
- Dual 4-Ohm Voice Coil
- Cast Aluminium Basket with Unique Design
- Heat-Resistant TIF Voice Coil
- Rear-Vented Pole Piece
- Inverted Rubber Surround
- Polypropylene Dust Cap with Clarion Embossed Logo
- Chrome-Plated Connectors
- Large Double-Stacked Strontium Ferrite Magnet
- 800W Music Peak Power

XW1000



SRW1283 600W

12-INCH DUAL VOICE COIL SUBWOOFER

- Polypropylene Woofer Cone with Aluminium Coating
- E.V.A. Extended Voice Coil Alignment
- Dual 4-Ohm Voice Coil
- Stamped Steel Frame
- Heat-Resistant Aluminium Voice Coil
- Rear-Vented Pole Piece
- Inverted Rubber Surround
- Dust Cap with Clarion Logo
- Chrome-Plated Connectors
- Large Double-Stacked Strontium Ferrite Magnets
- 600W Music Peak Power



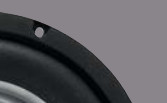
SRW1283



SRW1243 600W

12-INCH SINGLE VOICE COIL SUBWOOFER

- Polypropylene Woofer Cone with Aluminium Coating
- E.V.A. Extended Voice Coil Alignment
- Single 4-Ohm Voice Coil
- Stamped Steel Frame
- Heat-Resistant Aluminium Voice Coil
- Rear-Vented Pole Piece
- Inverted Rubber Surround
- Dust Cap with Clarion Logo
- Chrome-Plated Connectors
- Large Double-Stacked Strontium Ferrite Magnets
- 600W Music Peak Power



SRW1243



SRW1083 500W

10-INCH DUAL VOICE COIL SUBWOOFER

- Polypropylene Woofer Cone with Aluminium Coating
- E.V.A. Extended Voice Coil Alignment
- Dual 4-Ohm Voice Coil
- Stamped Steel Frame
- Heat-Resistant Aluminium Voice Coil
- Rear-Vented Pole Piece
- Inverted Rubber Surround
- Dust Cap with Clarion Logo
- Chrome-Plated Connectors
- Large Double-Stacked Strontium Ferrite Magnets
- 500W Music Peak Power



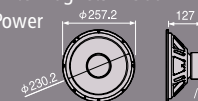
SRW1083



SRW1043 500W

10-INCH SINGLE VOICE COIL SUBWOOFER

- Polypropylene Woofer Cone with Aluminium Coating
- E.V.A. Extended Voice Coil Alignment
- Single 4-Ohm Voice Coil
- Stamped Steel Frame
- Heat-Resistant Aluminium Voice Coil
- Rear-Vented Pole Piece
- Inverted Rubber Surround
- Dust Cap with Clarion Logo
- Chrome-Plated Connectors
- Large Double-Stacked Strontium Ferrite Magnets
- 500W Music Peak Power



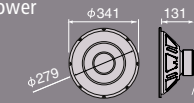
SRW1043



PA12-S 600W NEW

12-INCH SINGLE VOICE COIL SUBWOOFER

- Injected Polypropylene Titanium Coated Cone
- Single 50 m/m heat resistant Voice Coil
- Rear-Vented Pole Piece
- Foam Rubber Surround
- Large 40 oz Strontium Ferrite Magnet
- Chromed Metal Basket
- Suitable for sealed and vented Installation
- 600W Music Peak Power



PA15-S 600W NEW

15-INCH SINGLE VOICE COIL SUBWOOFER

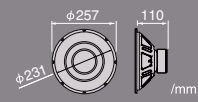
- Injected Polypropylene Titanium Coated Cone
- Single 50 m/m heat resistant Voice Coil
- Rear-Vented Pole Piece
- Foam Rubber Surround
- Large 49 oz Strontium Ferrite Magnet
- Chromed Metal Basket
- Suitable for sealed and vented Installation
- 600W Music Peak Power



PA10-S 600W NEW

10-INCH SINGLE VOICE COIL SUBWOOFER

- Injected Polypropylene Titanium Coated Cone
- Single 50 m/m heat resistant Voice Coil
- Rear-Vented Pole Piece
- Foam Rubber Surround
- Large 30 oz Strontium Ferrite Magnet
- Chromed Metal Basket
- Suitable for sealed and vented Installation
- 600W Music Peak Power



PA10-S



PA12-S



PA15-S

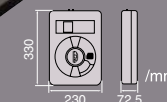


SRV303

8-INCH COUNTER DRIVE POWERED SUBWOOFER

- Powered Subwoofer
- MIPP Cone Material
- 120W MAX. Output Power
- Frequency Response: 30-200 Hz

Sound Adjusting while Driving
The cockpit controller lets you easily adjust the sound characteristics from the driver's seat.



MAX 120W

SRV202

8-INCH AIR COMPRESSION POWERED SUBWOOFER

- Powered Subwoofer
- MIPP Cone Material
- 120W MAX. Output Power
- Frequency Response: 20-200 Hz

Powerful Subwoofer with 120W Amplifier Built-in
Inside the deluxe leather type MDF enclosure is a 120W max. amplifier that supports a powerful sound driving experience. It drives the subwoofer system and delivers clear and



MAX 120W

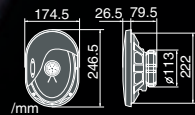
strong bass sounds. Equipped with RCA/speaker level inputs, this subwoofer can be easily integrated using existing speaker connections.

SRR6985 280W NEW

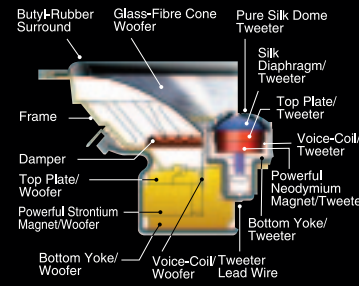
15 X 23cm IN-PHASE COAXIAL 2-WAY SPEAKERS



- 15 X 23cm Glass-Fibre Cone Woofer with Rubber Surround
- In-Phase Coaxial Design for Best Sound Quality and Imaging
- Powerful Strontium Magnet for Dynamic Bass Response
- 2.5cm Pure Silk Dome Tweeter with Neodymium Magnet
- Extremely High Frequency Reproduction/80kHz
- Fs: 45Hz / Qts: 0.61 / Vas: 43.0 Litres
- 280W Music Peak Power
- Frequency Response: 25~80.000 Hz
- Efficiency: 92 dB



SRR6985

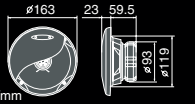


SRR1685 180W NEW

16cm IN-PHASE COAXIAL 2-WAY SPEAKERS



- 16cm Glass-Fibre Cone Woofer with Rubber Surround
- In-Phase Coaxial Design for Best Sound Quality and Imaging
- Powerful Strontium Magnet for Dynamic Bass Response
- 2cm Pure Silk Dome Tweeter with Dual-Neodymium Magnet
- Extremely High Frequency Reproduction/120kHz
- Fs: 75Hz / Qts: 1.00 / Vas: 5.8 Litres
- 180W Music Peak Power
- GM & CHRYSLER Adaptor Included
- Frequency Response: 30~80.000 Hz
- Efficiency: 90 dB



SRR1685

In-Phase Coaxial Speakers



SRX6984

SRX1384

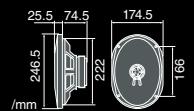
SRX1784

SRX6984 280W

15 X 23cm IN-PHASE COAXIAL 2-WAY SPEAKERS



- 15 X 23cm Glass-Fibre Cone Woofer
- 2.5cm Pure Silk Dome Tweeter with Neodymium Magnet
- Powerful Strontium Magnet
- 50 kHz Extremely High Frequency Reproduction
- Super Heat-Resistant Voice Coil and Polyimid Bobbin
- Butyl-Rubber Surround
- Dolby Digital/dts Ready
- 280W Music Peak Power
- Fs: 45 Hz / Qts: 0.54 / Vas: 94.7 Litres
- Frequency Response: 25~50,000 Hz
- Efficiency: 92 dB

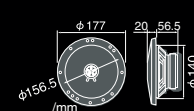


SRX1784 200W

16.5cm IN-PHASE COAXIAL 2-WAY SPEAKERS



- 16.5cm Glass-Fibre Cone Woofer
- 2cm Pure Silk Dome Tweeter with Neodymium Magnet
- Powerful Strontium Magnet
- 80 kHz Extremely High Frequency Reproduction
- Super Heat-Resistant Voice Coil and Polyimid Bobbin
- Butyl-Rubber Surround
- Dolby Digital/dts Ready
- 200W Music Peak Power
- Fs: 70 Hz / Qts: 0.70 / Vas: 20.2 Litres
- Frequency Response: 28~80,000 Hz
- Efficiency: 91 dB

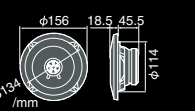


SRX1384 160W

13cm IN-PHASE COAXIAL 2-WAY SPEAKERS



- 13cm Glass-Fibre Cone Woofer
- 2cm Pure Silk Dome Tweeter with Neodymium Magnet
- Powerful Strontium Magnet
- 80 kHz Extremely High Frequency Reproduction
- Super Heat-Resistant Voice Coil and Polyimid Bobbin
- Butyl-Rubber Surround
- Dolby Digital/dts Ready
- 160W Music Peak Power
- Fs: 85 Hz / Qts: 0.81 / Vas: 4.9 Litres
- Frequency Response: 35~80,000 Hz
- Efficiency: 90 dB

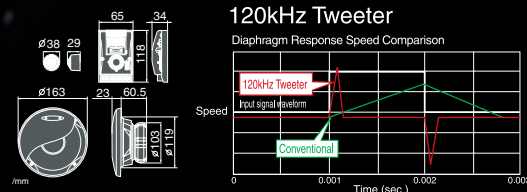


SRS1685 200W NEW

16cm WOOFER AND 2cm TWEETER WITH CROSSOVER



- 16cm Glass-Fibre Cone Woofer with Rubber Surround
- Powerful Strontium Magnet for Dynamic Bass Response
- 2cm Pure Silk Dome Tweeter with Dual-Neodymium Magnet
- 2-Way Mounting Tweeter (Variable Angle Flush Mounting/Surface Mounting)
- High Grade -12dB/oct. 2way Crossover Network with Level Attenuator (0, -3dB)
- Extremely High Frequency Reproduction/120kHz
- Fs: 75Hz / Qts: 1.00 / Vas: 5.0 Litres
- 200W Music Peak Power
- GM & CHRYSLER Adaptor Included
- Frequency Response: 28~120.000 Hz
- Efficiency: 91 dB

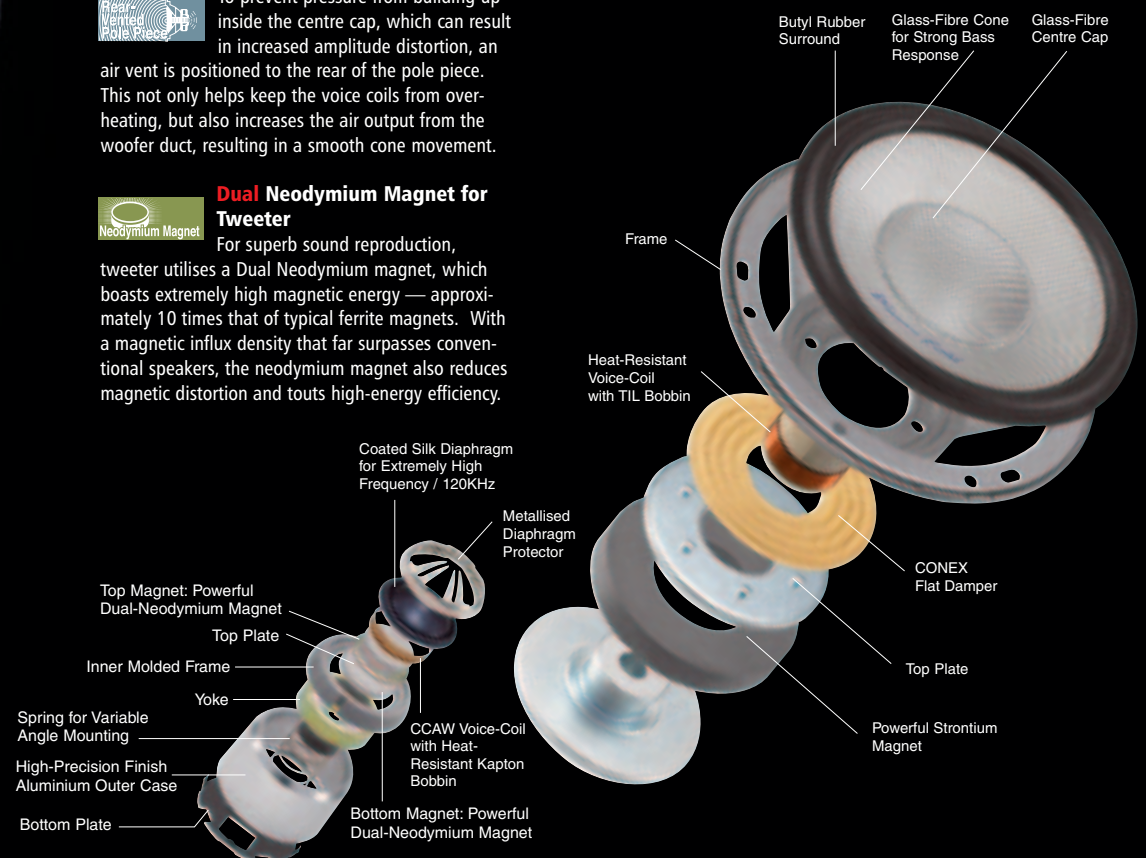


Rear-Vented Pole Piece

To prevent pressure from building up inside the centre cap, which can result in increased amplitude distortion, an air vent is positioned to the rear of the pole piece. This not only helps keep the voice coils from overheating, but also increases the air output from the woofer duct, resulting in a smooth cone movement.

Dual Neodymium Magnet for Tweeter

For superb sound reproduction, tweeter utilises a Dual Neodymium magnet, which boasts extremely high magnetic energy — approximately 10 times that of typical ferrite magnets. With a magnetic influx density that far surpasses conventional speakers, the neodymium magnet also reduces magnetic distortion and touts high-energy efficiency.

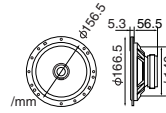


SRC1773 200W

CUSTOM FIT 16.5cm COAXIAL 2-WAY SPEAKERS



- 16.5cm Glass-Fibre Cone Woofer
- 2cm Pure Silk Dome Tweeter with Neodymium Magnet
- Powerful Strontium Magnet
- Super Heat-Resistant Voice Coil and Polyimid Bobbin
- Butyl-Rubber Surround
- Dolby Digital/dts Ready
- 200W Music Peak Power
- **Frequency Response:** 28~80,000 Hz
- **Efficiency:** 91 dB

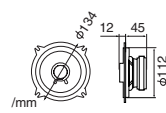


SRC1373 160W

CUSTOM FIT 13cm COAXIAL 2-WAY SPEAKERS



- 13cm Glass-Fibre Cone Woofer
- 2cm Pure Silk Dome Tweeter with Neodymium Magnet
- Powerful Strontium Magnet
- Super Heat-Resistant Voice Coil and Polyimid Bobbin
- Butyl-Rubber Surround
- Dolby Digital/dts Ready
- 160W Music Peak Power
- **Frequency Response:** 40~80,000 Hz
- **Efficiency:** 91 dB

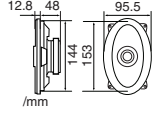


SRC4673 120W

CUSTOM FIT 10 X 13cm COAXIAL 2-WAY SPEAKERS



- 10 X 13cm Glass-Fibre Cone Woofer
- 2cm Pure Silk Dome Tweeter with Neodymium Magnet
- Powerful Strontium Magnet
- Super Heat-Resistant Voice Coil and Polyimid Bobbin
- Butyl-Rubber Surround
- Dolby Digital/dts Ready
- 120W Music Peak Power
- **Frequency Response:** 40~80,000 Hz
- **Efficiency:** 91 dB



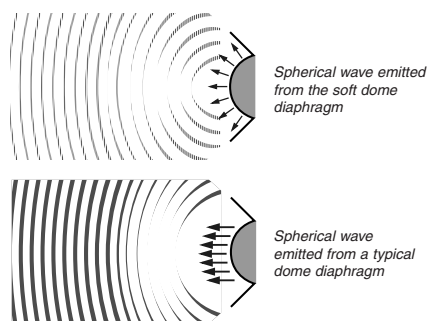
Custom Fit Speakers



Dome Tweeter for Wide Sound Dispersion



The soft dome tweeter diaphragms used in Clarion Sound Explore Series deliver a much wider sound dispersion over conventional cone diaphragms. These dome tweeters use pure silk-cloth diaphragms to achieve excellent dynamics with the ability to reproduce highs of 80 kHz, as well as the responsiveness to recreate subtle nuances. The voice coils in the tweeters are wound around heat-resistant polyimide bobbins to handle high-powered input signals over prolonged periods of time — ideal for extended play of digital sources such as DVD.

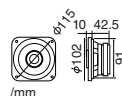


SRC1074 120W

CUSTOM FIT 10cm COAXIAL 2-WAY SPEAKERS



- 10cm Glass-Fibre Cone Woofer
- 2cm Pure Silk Dome Tweeter with Neodymium Magnet
- Powerful Strontium Magnet
- Super Heat-Resistant Voice Coil and Polyimid Bobbin
- Butyl-Rubber Surround
- Dolby Digital/dts Ready
- 120W Music Peak Power
- **Frequency Response:** 40~80,000 Hz
- **Efficiency:** 90 dB

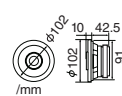


SRC1073 120W

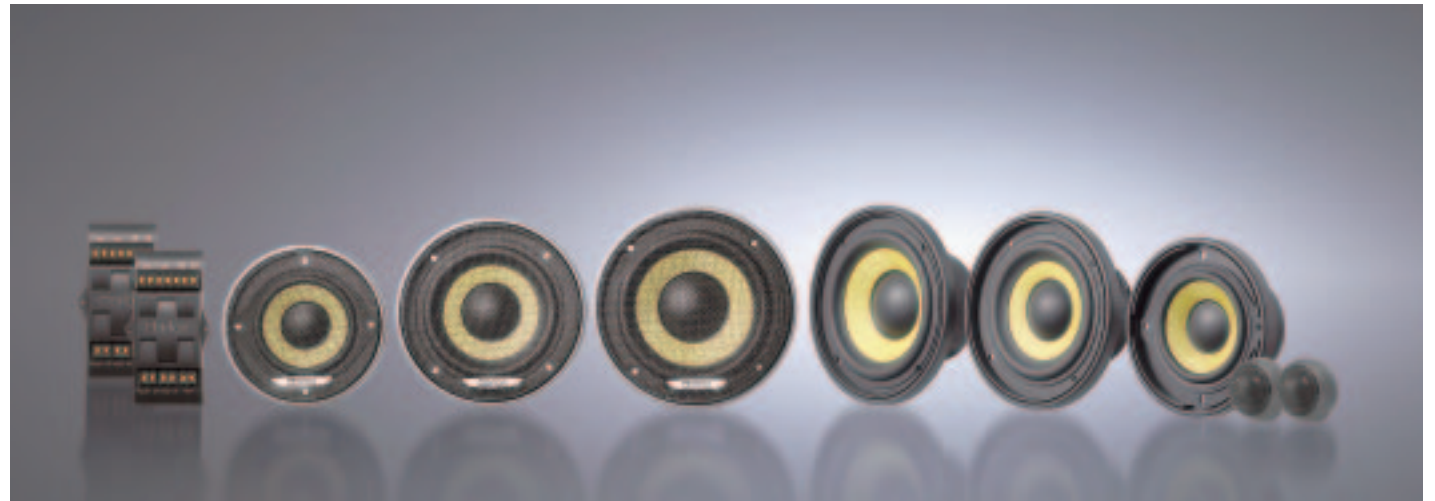
CUSTOM FIT 10cm COAXIAL 2-WAY SPEAKERS



- 10cm Glass-Fibre Cone Woofer
- 2cm Pure Silk Dome Tweeter with Neodymium Magnet
- Powerful Strontium Magnet
- Super Heat-Resistant Voice Coil and Polyimid Bobbin
- Butyl-Rubber Surround
- Dolby Digital/dts Ready
- 120W Music Peak Power
- **Frequency Response:** 40~80,000 Hz
- **Efficiency:** 90 dB



4-way Component System



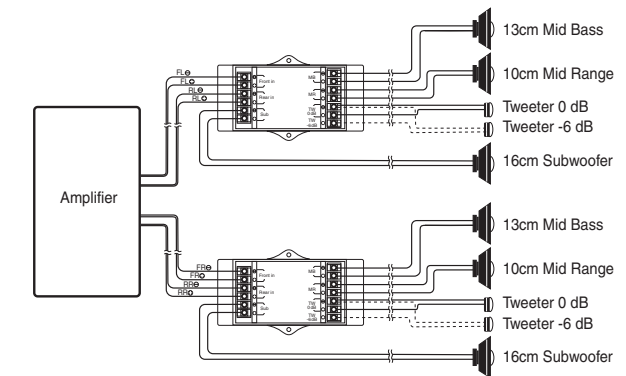
SCM400 160W NEW

4-WAY COMPONENT SPEAKER SYSTEM

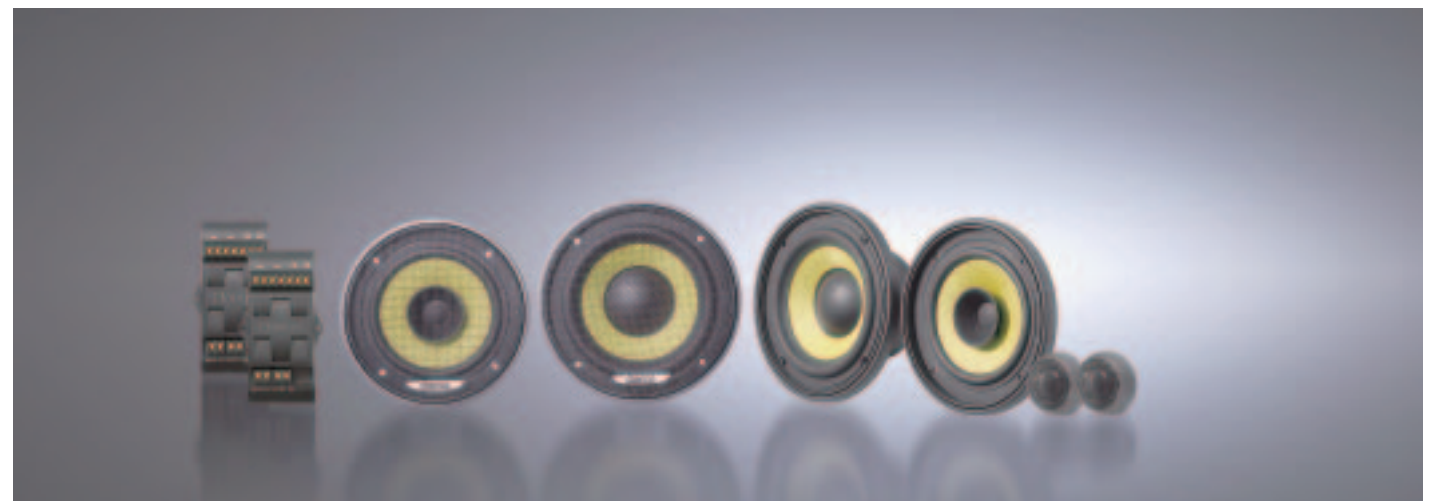
*SCM400 is not available in Australia



- 16cm Black Powder Coated Kevlar Cone Woofer
- 13cm Black Powder Coated Kevlar Cone Mid Bass
- 10cm Black Powder Coated Kevlar Cone Mid Range
- 2cm Silk Soft Dome Tweeter with Neodymium Magnet
- Super Heat-Resistant Kapton Voice Coil
- Rubber Surround
- 3-Way Passive Crossover
- 160W Music Peak Power



3-way Component System



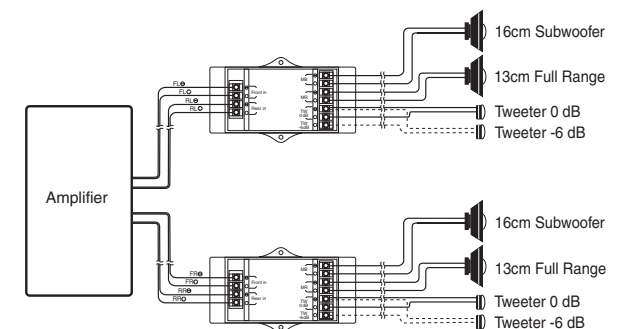
SCM300 160W NEW

3-WAY COMPONENT SPEAKER SYSTEM

*SCM300 is not available in Australia



- 16cm Black Powder Coated Kevlar Cone Woofer
- 13cm Black Powder Coated Kevlar Cone Full Range
- 2cm Silk Soft Dome Tweeter with Neodymium Magnet
- Super Heat-Resistant Kapton Voice Coil
- Rubber Surround
- 3-Way Passive Crossover
- 160W Music Peak Power

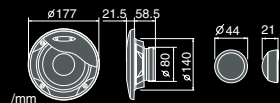


SRS1725 180W **NEW**

16.5cm 2-WAY COMPONENT SYSTEM



- 16.5cm Metallised MIPP Cone Woofer
- 2.5cm Metallised PEI Balanced-Drive Tweeter
- 2-Way Mounting Tweeter (Surface/Flush)
- Powerful Strontium Magnet for Dynamic Bass Response
- In-Line -6dB/oct Crossover Network
- 180W Music Peak Power
- **Frequency Response:** 28~35.000 Hz
- **Efficiency:** 91 dB



SRS1725

Component System

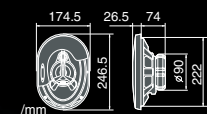


SRR6935 250W **NEW**

15 X 23cm MULTIAXIAL 3-WAY SPEAKERS



- 15 x 23cm Metallised MIPP Cone Woofer
- 6.6 cm Metallised PEI Cone Mid-range & 1.6cm Dome Tweeter
- Powerful Strontium Magnet for Dynamic Bass Response
- 250W Music Peak Power
- **Frequency Response:** 28~32.000 Hz
- **Frequency Efficiency:** 92 dB



SRR1735 200W **NEW**

16.5cm MULTIAXIAL 3-WAY SPEAKERS

*SRR1735 is not available in Australia



- 16.5cm Metallised MIPP Cone Woofer
- 2.5cm Metallised PEI Balanced-Drive Mid-Range & 0.8 cm Dome Tweeter
- Powerful Strontium Magnet for Dynamic Bass Response
- 200W Music Peak Power
- **Frequency Response:** 28~32.000 Hz
- **Efficiency:** 91 dB

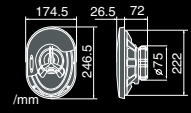


SRR6915 200W **NEW**

15 X 23cm COAXIAL 2-WAY SPEAKERS



- 15 x 23cm Metallised MIPP Cone Woofer
- 6.6cm Metallised PEI Cone Tweeter
- Powerful Strontium Magnet for Dynamic Bass Response
- 200W Music Peak Power
- **Frequency Response:** 28~30.000 Hz
- **Efficiency:** 92 dB



SRR6935

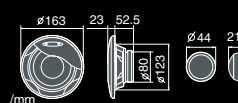
SRR6915

SRS1625 180W **NEW**

16cm 2-WAY COMPONENT SYSTEM



- 16cm Metallised MIPP Cone Woofer
- 2.5cm Metallised PEI Balanced-Drive Tweeter
- 2-Way Mounting Tweeter (Surface, Flush)
- Powerful Strontium Magnet for Dynamic Bass Response
- In-Line -6dB/oct. Crossover Network
- 180W Music Peak Power
- GM & CHRYSLER Adaptor Included
- **Frequency Response:** 30~35.000 Hz
- **Efficiency:** 91 dB

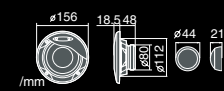


SRS1325 180W **NEW**

13cm 2-WAY COMPONENT SYSTEM



- 13cm Metallised MIPP Cone Woofer
- 2.5cm Metallised PEI Balanced-Drive Tweeter
- 2-Way Mounting Tweeter (Surface/Flush)
- Powerful Strontium Magnet for Dynamic Bass Response
- In-Line -6dB/oct Crossover Network
- 180W Music Peak Power
- **Frequency Response:** 40~35.000 Hz
- **Efficiency:** 90 dB

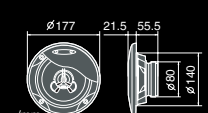


SRR1725 180W **NEW**

16.5cm COAXIAL 2-WAY SPEAKERS



- 16.5cm Metallised MIPP Cone Woofer
- 2.5cm Metallised PEI Balanced-Drive Tweeter
- Powerful Strontium Magnet for Dynamic Bass Response
- 180W Music Peak Power
- **Frequency Response:** 28~30.000 Hz
- **Efficiency:** 91 dB



SRR1725

Change Your Speakers and Bring Your Audio to Life

If you have ever thought of changing your preinstalled speakers to improve your car entertainment experience, Clarion's custom fit speaker may be just what you're looking for. By replacing the speakers that are already mounted in your car, you can enjoy a clearer playback sound with added impact. Clarion's woofers use water-resistant and UV-resistant polypropylene cones, and the tweeters use pure silk with superior high-range frequency characteristics together with metallised MIPP cones for exceptional durability, excellent frequency characteristics, and outstanding output sound pressure levels (sensitivity).

SRR1635 200W NEW

16cm MULTIAXIAL 3-WAY SPEAKERS



- 16cm Metallised MIPP Cone Woofer
- 3cm Metallised PEI Balanced-Drive Mid-Range & 0.8cm Dome Tweeter
- Powerful Strontium Magnet for Dynamic Bass Response
- 200W Music Peak Power
- GM & CHRYSLER Adaptor Included
- **Frequency Response:** 30~32.000 Hz
- **Efficiency:** 91 dB



SRR1635

SRR1627 180W NEW

16cm COAXIAL 2-WAY SPEAKERS



- 16cm Metallised MIPP Cone Woofer
- 3cm Metallised PEI Balanced-Drive Tweeter with Neodymium Magnet
- Powerful Strontium Magnet for Dynamic Bass Response
- 180W Music Peak Power
- GM & CHRYSLER Adaptor Included
- **Frequency Response:** 30~30.000 Hz
- **Efficiency:** 91 dB



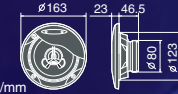
SRR1627

SRR1615 160W NEW

16cm COAXIAL 2-WAY SPEAKERS



- 16cm MIPP Cone Woofer
- 2.5cm Metallised PEI Balanced-Drive Tweeter with Neodymium Magnet
- Powerful Strontium Magnet for Dynamic Bass Response
- 160W Music Peak Power
- GM & CHRYSLER Adaptor Included
- **Frequency Response:** 30~30.000 Hz
- **Efficiency:** 91 dB



SRR1615



SRR1027

SRR1335 160W NEW

13cm MULTIAXIAL 3-WAY SPEAKERS



- 13cm Metallised MIPP Cone Woofer
- 2.5cm Metallised PEI Balanced-Drive Mid-Range & 0.8cm Dome Tweeter
- Powerful Strontium Magnet for Dynamic Bass Response
- 160W Music Peak Power
- **Frequency Response:** 40~32.000 Hz
- **Efficiency:** 91 dB



SRR1335

SRR1325 140W NEW

13cm COAXIAL 2-WAY SPEAKERS



- 13cm Metallised MIPP Cone Woofer
- 2.5cm Metallised PEI Balanced-Drive Tweeter with Neodymium Magnet
- Powerful Strontium Magnet for Dynamic Bass Response
- 140W Music Peak Power
- **Frequency Response:** 40~30.000 Hz
- **Efficiency:** 91 dB



SRR1325

SRR1027 120W NEW

10cm COAXIAL 2-WAY SPEAKERS



- 10cm Metallised MIPP Cone Woofer
- 2.5cm Metallised PEI Balanced-Drive Tweeter with Neodymium Magnet
- Powerful Strontium Magnet for Dynamic Bass Response
- 120W Music Peak Power
- **Frequency Response:** 45~30.000 Hz
- **Efficiency:** 90 dB



SRC5715

SRC5715 140W NEW

13 X 18cm COAXIAL OEM SPEAKERS



- Designed for Direct OEM Replacement
- 13 x 18cm MIPP Cone Woofer
- 2.5cm Metallised PEI Balanced-Drive Tweeter with Neodymium Magnet
- Powerful Strontium Magnet for Dynamic Bass Response
- 140W Music Peak Power
- 15 X 20cm FORD & MAZDA Adaptor Included
- **Frequency Response:** 35~30.000 Hz
- **Efficiency:** 91 dB



SRC4615 100W NEW

10 X 15cm COAXIAL OEM SPEAKERS



- Designed for Direct OEM Replacement
- 10 X 15cm MIPP Cone Woofer
- 2.5cm Metallised PEI Balanced-Drive Tweeter with Neodymium Magnet
- Powerful Strontium Magnet for Dynamic Bass Response
- 100W Music Peak Power
- **Frequency Response:** 45~30.000 Hz
- **Efficiency:** 91 dB



Custom Fit Speakers



SRH205

SRH205 170W NEW

2cm TWEETERS



- 2cm Metallised PEI Balanced-Drive Tweeter
- Powerful Neodymium Magnet
- 2-Way Mounting Tweeter (Variable Angle Flush Mounting, Surface Mounting)
- In-Line -6dB/oct. Crossover Network
- 170W Music Peak Power
- **Frequency Response:** 2.500~35.000 Hz
- **Efficiency:** 90 dB



SRC925 60W NEW

9cm COAXIAL OEM SPEAKERS



- Designed for Direct OEM Replacement
- 9cm Metallised MIPP Cone Woofer
- 2.5cm Metallised PEI Balanced-Drive Tweeter with Neodymium Magnet
- Powerful Strontium Magnet for Dynamic Bass Response
- 60W Music Peak Power
- **Frequency Response:** 60~30.000 Hz
- **Efficiency:** 89 dB



Metallised Mica Injection Polypropylene Cone

Injection cone use a metallised polypropylene compound to provide the lightness and rigidity demanded of today's speakers. Even when fielding fast transients — characteristic of digital sources — Phase1 speakers generate superior dynamic response and crystal clear sound with very low distortion.



Metallised PEI Balanced-Drive Mid-range and Tweeter

Because of its superior physical properties that result in clearer output, polyether imide boasts high rigidity, high durability and high resistance to extreme heat. That's why Clarion's has outfitted its Phase1 Balanced Drive tweeters with an integrated PEI diaphragm and voice coil bobbin, which dramatically improves the dynamic range of any sound system.



Strontium Magnet

There's a reason why Clarion's speaker systems add superior dimension to your music without compromising sound. Equipped with a highly conductive Strontium magnet, Clarion's speaker systems tout a magnetic flux density that is significantly higher than conventional ferrite magnets. This is especially important when matching Clarion's speaker systems with a digital source.

Rear-Vented Pole Piece

Touting an innovative design that prevents pressure from building up inside the dust cap, Clarion's equips its Phase1 speakers with an air vent located to the rear of the pole piece. This not only prevents the voice coils from overheating.

