

clarion®

2004
CAR MULTIMEDIA
AND AUDIO
PRODUCTS CATALOGUE

Notes

- Specifications and design are subject to change without notice.
- Photos are non-binding. The manufacturer and importer do not take responsibility for any printing errors.
- Dolby, Dolby Surround, Pro Logic and the double-D symbol **DD** are trademarks of Dolby Laboratories.
- dts is a trademark of Digital Theatre System, Inc.
- All other trademarks are the property of their respective owners.
- All units in this catalogue are primarily intended for installation in passenger cars.
Use in lorries, tractors, off-road vehicles, construction machinery, boats, and other special-purpose vehicles or on motorcycles is not recommended.
- There is no guarantee that all units in this catalogue play CCCC (Copy Control CD), Hybrid SACD (Super Audio CD) and CD-R/RW.
- There is no guarantee that DXZ846MC plays or stores CCCC (Copy Control CD), Hybrid SACD (Super Audio CD) and CD-R/RW.

Clarion Asia Pte. Ltd.

315 Alexandra Road, #04-03 Performance Centre,
Singapore 159944
Tel: (65) 6475-5233, Fax: (65) 6475-5928
<http://www.clarion.com.sg>

Clarion (H.K.) Industries Co., Ltd.

Room 9, 10 F, Tower 1, Harbour Centre, 1 Hok Cheung Street,
Hung Hom, Kowloon, Hong Kong
Tel: (852) 2723-2088, Fax: (852) 2723-1991

Clarion Co., Ltd.

50 Kamitoda, Toda-shi, Saitama 335-8511, Japan
Tel: (81)48-443-1111, Fax: (81)48-445-3810
<http://www.clarion.co.jp>

clarion®

Distributor

WARNING: Driver is prohibited by law from viewing a video signal on any in-dash monitor while the vehicle is in motion

SPECIAL EDITION

Clarion's flagship model is
equipped to enter the highest
domain in car audio history.

MULTIMEDIA
MAIN UNITS
CHANGERS
PROCESSORS
AMPLIFIERS
SUBWOOFERS
SPEAKERS

CLARION

Car Multimedia & Audio

Evolving technology
with unchanging pride.

be heard
be seen

Customer demands are boundless. Digital media advances at light speed. In this rapidly evolving environment known as car multimedia, Clarion has always endeavoured to provide a moving experience through high quality sound and visuals, and a smooth transition to the new age. Fully evolved main units and multimedia products, as well as amplifiers, speakers and subwoofers boosted by a new line-up... Clarion is opening the path to a new era in 2004, equipped with high quality and high performance.

CONTENTS

- 03-04 // Special Edition
- 05-16 // Multimedia
- 17-26 // Main Units
- 27-28 // HX Series Main Units / CD Changers / Processors
- 29-30 // Amplifiers / Speakers
- 31-32 // HX Series Amplifier / Speakers
- 33-34 // Amplifiers
- 35-36 // Subwoofers
- 37-39 // High Grade Speakers
- 40-41 // Multi Speaker Component Systems
- 42-44 // Phase 1 Speakers
- 45 // Accessories
- 46 // System Chart
- 47 // Feature Comparison
- 48-49 // Specifications
- 50 // Explanation of Features

Clarion's flagship model is equipped to enter the highest domain in car audio history.

Welcome to an experience that surpasses sound, a world that exceeds images. At Clarion,



we are totally uncompromising towards sound, relentless in our desire for content source reproduction, and have striven for the ultimate in the world of car multimedia. And now, our challenging spirit and unwavering pride has resulted in the new flagship models –

the HX-D2 main unit, APA4300HX power amplifier, VRX935VD AV main unit, and high-end

speakers that maximise the results of their performance. In order to bring out the value of various types of entertainment, and to flexibly accommodate the latest developments in digital media, Clarion provides an unprecedented experience, and it's waiting for you.

State-of-the-art D/A conversion technology to maximise audibility of even the most subtle nuances.

The D/A converter has the important role of converting the digital data on CD media into analogue sound that your ears can hear. Whereas sound in the natural world consists of smoothly undulating sound waves, digitisation creates unnaturally square shaped waves. With the 24-Bit D/A Converter it's possible to recreate natural nuances and expressions that are true to the original source. And upgradeability with CD changers is facilitated by Clarion's original digital optical fibre CeNET connectivity, which allows sources in the CD changer to be converted by the main unit's high-performance D/A converter to reproduce optimum quality sound.

Ultimate sound and visual quality to create the world of 5.1ch surround.

In addition to the 5.1ch surround decoder unit control function to create a surround sound space in your car, as well as the formidable performance of Beat EQ, which separates the sound spectrum into low/mid/high bands and allows individual control of gain, Q curve and frequency range for more effective sound manipulation, you will also enjoy extensive multimedia compatibility. What's more, by incorporating an LCD panel that's 30% brighter than our previous model for increased visibility, and a 7-inch large-screen monitor that automatically adjusts brightness in 10 steps according to surrounding ambient light, it lets you explore new possibilities of car theatre.

Ultra-high range power amplifier lets you feel each individual particle of sound.

The power amplifier is literally the engine that drives the sound of a car multimedia system. Clarion's top-class models which reign over the car audio scene as represented by the APA4300HX, are equipped with current feedback amplifier circuits which are used in high end home audio equipment and are renowned for their performance. They achieve a high range reproduction of 100kHz, with virtually no phase shift. And with the ample capability wideband high-speed amplifier circuit, it addresses the requirements for wideband reproduction such as with DVD-Audio in the future.

CLARION'S UNCOMPROMISING IDEALS OF SOUND ARE PUT IN PLACE FROM ENTRY TO EXIT.

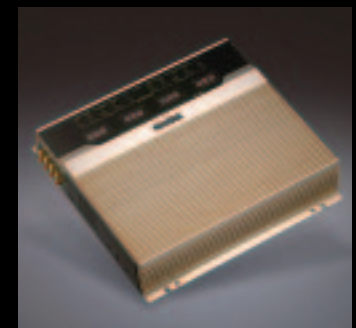
Accurately reproduces even the delicate musical expressions that are embodied within each bit on a high quality audio disc without distortion. And releases the natural appeal of sound throughout every inch of your car's interior. Clarion offers not only main units, but also next-generation designed power amplifiers and speakers for a full line-up. It has everything for the driver who knows authentic high quality sound to create an uncompromising flagship system.

HX-D2
The summit of main units, inheriting the high quality tradition of Clarion. The top-of-the-line main unit made possible by Clarion's high quality tradition and the most advanced technologies is ready to redefine car audio. The 96kHz Sampling D/A Converter helps



recreate even the subtlest nuance of sound, while the 5-Band Parametric EQ creates the sound to match your taste. Furthermore, through the Glass Epoxy 4-Layer Circuit Board and Large External Power Supply Unit which support stable circuit driving and eliminate sound degradation due to interference, it satisfies the demands placed on today's main units at a high level.

APA4300HX
Reliability backed by power and balance, from the pinnacle of power amplifiers. The beautiful harmony of individual sounds interacting with each other. Clarion's Power Amplifiers were developed to let you experience the true power of such sounds. From the input terminals to the amplification circuit, and even the power supply, everything has been fine-tuned to offer both power and delicateness. The ultra-high



range reproduction of 100kHz made possible by the current feedback amplifier circuit creates sound with high frequency harmonic elements, recreating deep bass and transparent highs that are inherently part of the sound of musical instruments and vocals.

VRX935VD
AV main units that advocate a higher realm of car multimedia performance. Nothing comes close to these high-end AV main units with their advanced innovation and usability. The easily viewable large 7-inch monitor changes your car's cabin into a concert hall or movie theatre, and the 5.1ch surround decoder unit control helps create a visual and sound space with ultra-realistic presence in your car. And with a sub-display that shows you source information while the monitor is closed, it boasts upgraded usability. Moreover, by enabling playback of a wide variety of media and formats from DVD-Video to VCD, CD, CD-R/RW, and MP3 files recorded on CD-R/RW, it



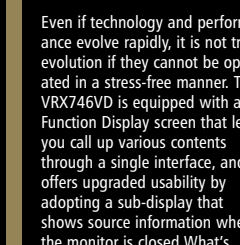
offers a next-generation solution for comprehensive car entertainment.

SRS1751HX / SRH291HX
With the ability to reproduce 120kHz ultra-high frequencies, it sets free the truth of sound in your car. The ability to reproduce 120kHz high range signals with natural sound localisation and imaging to faithfully express the original sound source, whether it is the airy feel of a concert hall or the minute nuances of musical instruments. The goal of this is to convey the sound as it really is, without altering or modifying it in any way. The sound signal from our ultimate main unit and top class power amplifier with power to spare, is fed through separate type 2-

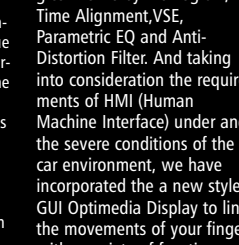


way speakers and dispersed throughout your vehicle. From high-quality car audio environments to car multimedia environments, system upgrades will let you put an unforgettable experience in your car.

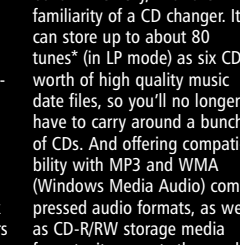
VRX746VD
Even if technology and performance evolve rapidly, it is not true evolution if they cannot be operated in a stress-free manner. The VRX746VD is equipped with a Function Display screen that lets you call up various contents through a single interface, and offers upgraded usability by adopting a sub-display that shows source information when the monitor is closed. What's more the VRX746VD incorporates the largest available in-dash monitor at 7-inches, and a 5.1ch surround decoder unit control that adds real presence to the image. Add these features into the one unit and it provides you with a taste of next-generation in-car entertainment.



DXZ946MP
The DXZ946MP is equipped with AC-Processor III which enables next-generation digital sound processing technologies like Dolby Pro Logic II, Time Alignment, VSE, Parametric EQ and Anti-Distortion Filter. And taking into consideration the requirements of HMI (Human Machine Interface) under and the severe conditions of the car environment, we have incorporated the new style GUI Optimized Display to link the movements of your fingers with a variety of functions with unprecedented usability. In addition, by supporting the MP3 and WMA (Windows Media Audio) compressed audio formats, and offering compatibility with CD-R and CD-RW, it supports the needs of car audio users in the information age.



DXZ846MC
The DXZ846MC is equipped with the Music Catcher system that lets you freely record, play and erase tunes using a built-in memory, with the familiarity of a CD changer. It can store up to about 80 tunes* (in LP mode) as six CD's worth of high quality music date files, so you'll no longer have to carry around a bunch of CDs. And offering compatibility with MP3 and WMA (Windows Media Audio) compressed audio formats, as well as CD-R/RW storage media formats, it supports the needs of car audio users in the information age. What's more, the 80 Variable Colour Illumination adds a brilliant stylishness to your car interior with a choice of 80 selectable colour patterns.



One Product that Inherits the Clarion Spirit to Go Beyond Evolution, to Enlightenment.

The exceptional sound quality of the DRX9255, which was launched in Japan in 1996 and received rave



reviews around the world, won the hearts of many users and was featured in various media, causing a major impact on the car audio scene. The reason for this was a fusion of Clarion's long years of design expertise in creating the highest quality sound and carefully selected materials, and the legendary sound potential that comes from the latest technologies and premium quality parts, polished and honed through our unrelenting development efforts. In 2004, the HX-D2 which inherits the passionate spirit of this legendary model, will be further upgraded for its new arrival. Your cockpit will be dramatically transformed into an emotionally moving environment.

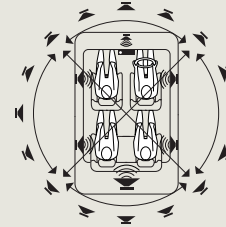
Clarion Multimedia for 2004...

The search for the ultimate driving experience leads you to superbly refined **Sound** and **Images.**

The in-vehicle environment from now onward should let you demand more luxury and more self-expression. 5.1ch Dolby Digital/dts Surround delivers a truly moving experience through its "being there" sound, the Active Matrix TFT LCD reproduces even the fine details of images, DVD players with Touch Screen Control give you precise control over your entertainment, and Multi Zone lets passengers enjoy digital contents individually. Any way you look at it, the advanced technologies being unleashed by Clarion provide exactly the type of high-grade car entertainment that the discerning connoisseur is looking for.

5.1ch SURROUND SYSTEM 5.1ch Dolby Digital/dts Surround

Matched with three front-channel speakers (left, centre, right), two rear-surround speakers (left and right) and a dedicated low-frequency-fielding subwoofer, 5.1ch Dolby Digital and dts Surround decoding brings the dynamic



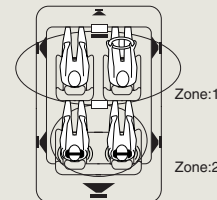
sound field of a movie theatre right into the mobile environment. Adding the subtle nuances and wide dynamic ranges of discrete soundtracks from your favourite DVD-video, your listening experience is transformed into sound that literally comes to life.

Dolby Pro Logic II

Get right up on stage or take a seat inside the recording studio of your favourite music group with Dolby Pro Logic II, a matrix sound decoding technology that transforms any two-channel source (i.e., radio or CD) into rich 5.1ch-like surround. Produced by Dolby Laboratories, Dolby Pro Logic II also features Centre Width, Dimension and Panorama modes for the ultimate 5.1ch-like experience.

2 Zone Entertainment

Enjoy your mobile multimedia system to its fullest with 2 Zone Entertainment. This feature allows the front-seat passengers to



listen to any music source while the rear-seat passengers enjoy their favourite movie or video game from an external gaming system, DVD or VHS player. 2 Zone Entertainment is achieved by sending an external video signal from the visual 1 A/V input to a rear-seat monitor, freeing up the front-seat section of the vehicle for video or music entertainment.

High-Resolution LCD Screens

Utilising the latest in active matrix LCD technology, Clarion's mobile video screens offer the most vibrant, most detailed images available today. And with the addition of off-axis viewing, you are assured optimal picture quality ... no matter where you're sitting.

Fully Motorised Screens

With the touch of a button, Clarion brings multimedia to life with its fully motorised flip-out monitors. Equipped with variable screen positioning for optimal viewing, Clarion provides the ability to adjust the angle of the screen, as well as the dis-



tance from the screen to the dashboard. Clarion's motorised screens also feature non-

Front-Panel Display (VRX746VD)

Containing all the function information you need to stay in control of your music entertainment, Clarion's in-dash, flip-out



monitors utilise a separate front-panel display when the main LCD screen is in the closed position.

tant from the screen to the dashboard. Clarion's motorised screens also feature non-

volatile memory, allowing your flip-out monitor to retain its prior settings after it's powered down.

Front-Panel Display (VRX746VD)

Containing all the function information you need to stay in control of your music entertainment, Clarion's in-dash, flip-out



monitors utilise a separate front-panel display when the main LCD screen is in the closed position.

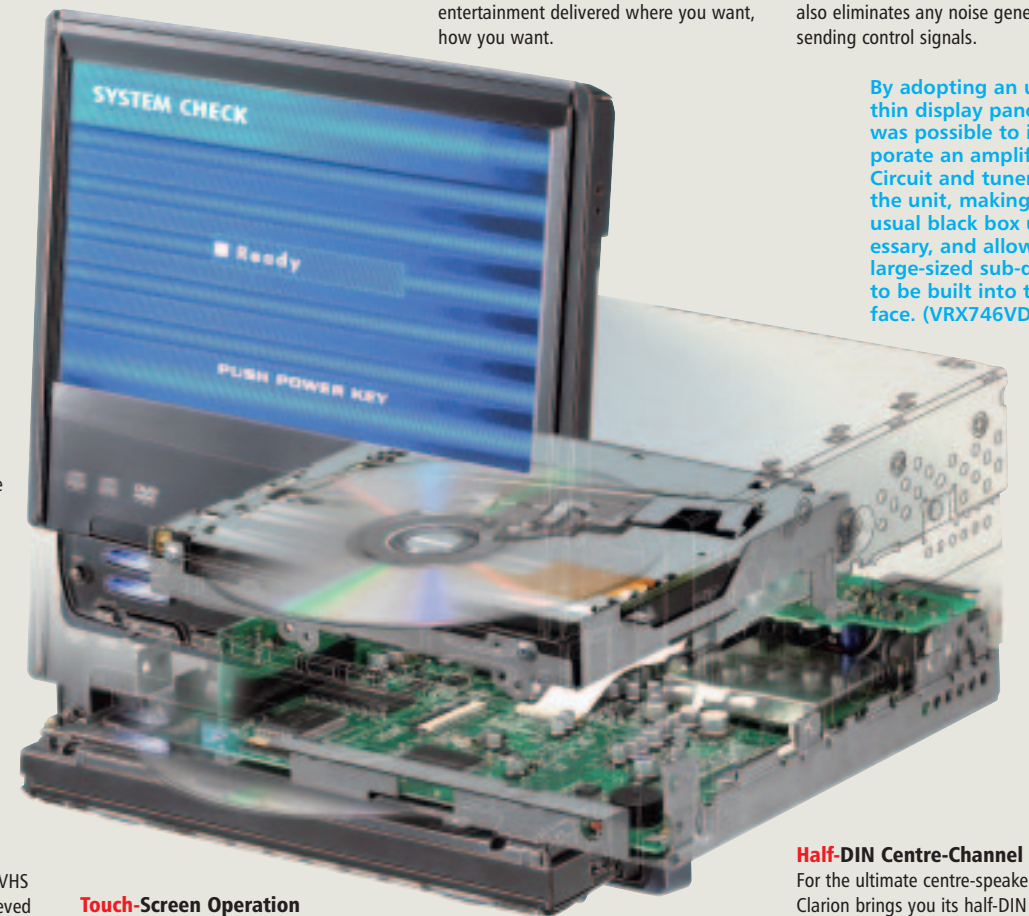
panel from the main unit. The release of the control panel will then automatically



retract the LCD screen from its open position. Reattaching the control panel activates the LCD screen, motorising it out from the closed position.

Additional Video Inputs

Providing the versatility you need inside the vehicle, Clarion offers additional audio inputs so you can access a number of the company's multimedia components, such as Clarion's in-dash DVD player, VHS video unit, Rear Vision Camera, overhead and headrest monitors. And for added flexibility, link up Clarion's "Source Commander" A/V Switcher and wireless headphones for entertainment delivered where you want, how you want.



amplifier. Transforming the main unit's line level outputs into inputs, Loop Back allows the main unit to receive the audio signal from the processor before travelling to the speakers. This feature provides ample power when an SRK5 is added to the system, and only requires the addition of a single subwoofer amplifier to the low-end output to provide adequate bass amplification.

*VRX835 is not available in Australia.

CeNET Technology

Developed by Clarion, CeNET is a component connection system crafted for plug 'in' play capability when enhancing a Clarion in-car multimedia system. A CeNET-enabled main unit instantly recognises system upgrades such as Clarion's 5.1ch surround sound processor, TV Tuner, CD or DVD changer. This allows for complete control using a single interface. CeNET also eliminates any noise generated when sending control signals.

By adopting an ultra-thin display panel, it was possible to incorporate an amplifier circuit and tuner into the unit, making the usual black box unnecessary, and allowing a large-sized sub-display to be built into the face. (VRX746VD)

Touch-Screen Operation

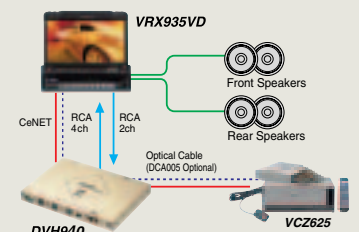
For state-of-the-art control, Clarion equips its LCD with touch-screen capability, allowing for easy management of all major functions. And with Clarion's onscreen Honeycomb configuration (only available in VRX935VD), you can easily navigate through a host of Clarion components and features, such as audio, radio, DVD and CD changer, TV tuner and Radio. This design also allows for control of 5.1ch surround sound settings when utilising Clarion's optional DVH940 surround sound processor. The touch-screen surface is also treated to resist dust and grime so you'll always be looking at a clear, clean image.

Detachable Control Panels

A simple touch of your in-dash monitor's release button provides the ultimate in theft prevention by detaching the control

Loop Back Capability (VRX935VD / VRX835*)

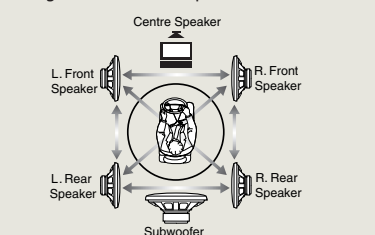
When utilising Clarion's DVH940 surround sound processor in a 5.1ch configuration,



a Clarion main unit's embedded Loop Back capability allows the audio signal to retain the added boost it receives from the main unit's powerful four-channel, internal

Half-DIN Centre-Channel Speaker

For the ultimate centre-speaker solution, Clarion brings you its half-DIN SRK5 centre-channel speaker. With its sleek design and external amplifier, the SRK5 is



perfect for in-dash applications and complements a variety of system configurations. Just add it to any four-speaker set-up to enjoy 5.1ch surround. The addition of a low-frequency-fielding subwoofer will further enhance this audio experience.



Power and Presence to Turn Your Car Interior into a Movie Theatre or Concert Hall

Clarion makes sure the entertainment doesn't stop when you leave the house. In fact, the VRX935VD has multimedia potential to let you create an in-car surround system that rivals or surpasses home systems. Enjoy DVD Video, CD Audio, VCD and MP3, with support for optional TV and Radio tuners. Your entertainment, and your drive, is smoothed out by Honeycomb Keypad Touch Panel Control and customisable V-Matrix Graphics, providing visual flair on the large 7-inch screen while not demanding all your attention.

Superior Functionality with Honeycomb Keypad-Equipped Touch Panel Control
Operation is simple - just touch lightly on the monitor's touch panel menu screens or use the provided remote control unit. And now touch panel convenience has evolved even further, with the Honeycomb Keypad. The 10-key pad uses a honeycomb design to maximise surface area, making numerical input easier for rapid-access band and title selection. It also makes operation safer.

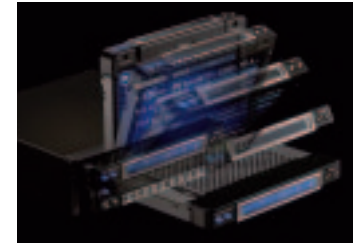


New Customisable V-Matrix Graphics
The wide 7-inch TFT display enables enjoyment of innovative graphics with the new V-Matrix. These graphics, which look much like what VJ's show at nightclubs, are comprised of 4 layers, and can be customised as desired. The display dramatically highlights the music; with Wall Colour and Motion display modes selectable for easy customisation.



Aluminium Face Design as Sub-Display when Monitor is Closed
The display panel on the top end of the monitor becomes a sub-display for current playback source information, etc., while the monitor is retracted. This handy feature displays PTIME during CD playback, and the radio channel during AM/FM tuner reception. When the monitor is in the upright viewing position, the sub-display automatically turns off to prevent light reflection in your front windshield. Together with the Astro Blue backlighting and aluminium face, it adds to the high quality appearance of your cockpit.

Full-Auto In-Dash 7-Inch Monitor
Monitor opening/closing takes place fully automatically at the touch of a button. Thanks to its 5 steps angle adjustment to optimise visibility, and an air



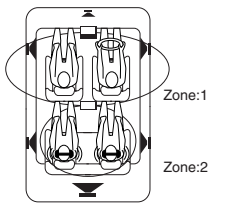
conditioner access mode that momentarily shifts the monitor horizontally out of the way of climate controls, it boosts operational convenience and safety while driving.

Air Conditioner Access Mode
Allows the monitor to tilt down for 10 seconds in cases where the installation location causes the monitor to block the air conditioner controls.

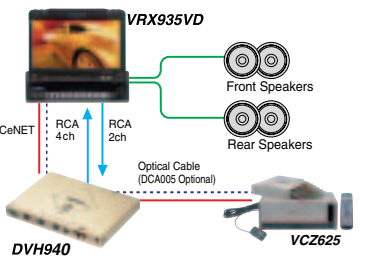
Auto Illumination Cut for Superior Safety
The monitor's backlight automatically goes out when the monitor is activated to prevent its light from being reflected into the window.

10-Step Auto Dimmer Function
You can adjust the monitor brightness in 10 steps according to the brightness of your car's interior.

2-Zone Entertainment
Not everybody likes to watch or listen to the same thing, so Clarion lets you divide your in-car entertainment into 2 discrete zones. For instance, Dad and Mum might be listening to the radio while the kids play a game via AUX input in the back seat. Clarion gives you the ability and the systems to make it all a reality.



Loop-Back Circuit to Return the Output to the Internal Amplifier
The built-in loop-back circuit lets the front/rear output from the DVH940 5.1ch Decoder Unit to be fed back to the main unit and reproduced through its internal amplifier. It enables a simplified, cost-conscious system upgrade without need of an external amplifier.



Beat EQ for Precision Tone Adjustment
Beat EQ separates the sound spectrum into independent low, middle, and high frequency ranges, to allow more effective tone adjustment. You can select from BASS BOOST (BEQ1) for earthshaking bass, IMPACT (BEQ2) for crystal clear mid tones, and EXCITE (BEQ3) for a well-balanced performance spanning from lows to highs. Naturally, custom user settings are also available.



Closed

VRX935VD

AM/FM DVD CENTRE, FULLY MOTORISED 7-INCH WIDE SCREEN TOUCH PANEL LCD MONITOR

- Fully Motorised 7-inch Wide Screen Colour LCD
- Touch Panel Control
- Single Play DVD Mechanism plays: DVD Video, CD Audio, VCD
- 18FM/6AM Presets

- CeNET Control of: Optional Dolby Digital/dts 5.1ch Processor, TV Tuner, DVD Changer and 6-Disc CD Changer
- Multi-Changer Control, CD Text, CD Titling (Audio Changer Only), Station Titling
- Plays CD-R & CD-RW
- Plays MP3 Encoded CDs
- 3-Band Parametric EQ (Beat EQ)
- 2 A/V Inputs (1 RCA, 1 CCA389)
- 1 Video Output(RCA)
- Rear Vision Camera Input

- 4-Volt 6ch RCA Line Level Output
- 24-Bit D/A Converter
- Fibre Optical Output for Use with DVH940 5.1ch Dolby Digital/dts Decoder/Processor
- Excellent off-axis viewing
- 336,960-pixel display
- Screen Resolution of 1440 x 234
- 212W (53W x 4)
- IR Remote Control
- Partially Detachable Control Panel
- 4ch Loop-Back Circuit



DVD/CD Loading Slot



The LCD panel uses the latest high-tech components and boasts an effective pixel rate of 99.99%. However, be aware that 0.01% or less of the pixels may be defective.



Evolving Technology With a Touch of Intelligence

In an environment where ease-of-use is of utmost importance, Clarion refuses to sacrifice safety in its ongoing pursuit for the cutting edge. That's why Clarion has adopted several measures to increase driver attention, such as equipping its VRX746VD with a function display screen that offers a comprehensive, full-screen portal to all entertainment sources. Clarion goes a step further by employing an onscreen operation tree and menu layout, providing you with a single, easy-to-use interface that enables intuitive access to all audio and visual content, including DVD, CD and TV tuner.

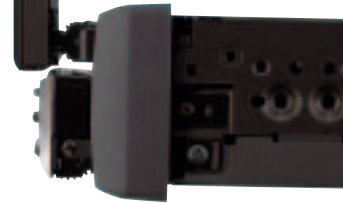
Extra-Large Front Panel Display
Close the main LCD screen to automatically activate the VRX746VD's separate display panel, which provides you with all information relative to the entertainment source in use. This separate panel utilises a simple, yet



accurate display format, providing you with information such as a CD's "Play Time," or station information when using the AM/FM tuner.

Ultra-Thin Fully Motorised In-Dash 7-inch Monitor

Armed with the largest display monitor available for in-dash applications, Clarion is coming to market with a 7-inch, widescreen monitor. Fully automated, the monitor can motorise up or down with the push of a single button. For optimal viewing, the monitor is also equipped with five adjustable angles. And if the monitor blocks your vehicle's air conditioner controls, Clarion provides added functionality with its Air Conditioner Access Mode. This feature will tilt your monitor down momentarily, allowing for easy access to your vehicle's air conditioner controls.



Built-In Amplifier Bypass Circuit

This function lets the audio signal bypass the built-in amplifier so it can be output to an external amplifier in its purest state, without any noise or distortion being introduced by the internal circuitry. Essential if you plan to expand your system with external power amplifiers.

Touchpad Buttons with Touch Panel Control

With its touch-screen capabilities, Clarion's in-dash 7-inch monitor allows for simple, yet accurate control of all functions, including all visual and sound-related entertainment



sources. Clarion also outfits its monitors with an on-screen numeric keypad so users can easily select specific tracks from a CD or DVD. The touch-screen surface is also treated to resist dust and grime so you'll always be looking at a clear, clean image.

Function Display Screens for Full System Information

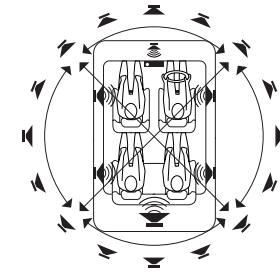


Clarion's in-dash, 7-inch monitor is the source for all media and function information, allowing the user to access a host of features with a simple touch of the on-screen menu. The menu is laid out in an easy-to-understand fashion by displaying all actions related to media sources and functions.

New DSP Tuner for incredibly clear reception

The built-in high-performance tuner offers high sensitivity and clear audio reception. Incorporating a new IC chip DSP, it shuts out signal interference from adjacent stations and minimises sound distortion caused by bad reception.

5.1ch Dolby Digital/dts Surround
Dolby Digital and dts provide three channels of front sound (Left, Right, Centre), together with two rear surround sound audio channels (Left, Right) and a dedicated add space channel for a subwoofer. This combination can reproduce the dynamic sound field of a movie theatre in a relatively small space. So take the show on the road; let Clarion bring full 5.1ch performance into your car.



Flip-Down Control Panel

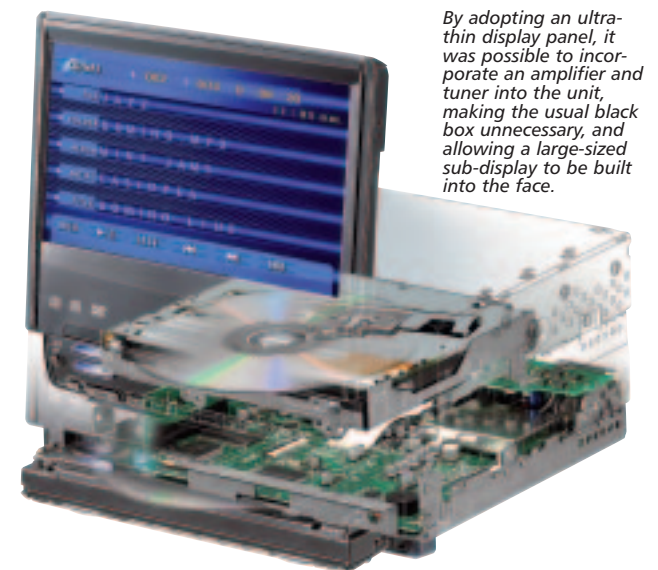
The flip-down front panel hides the DVD loading slot, and acts as the main display when the 7-inch monitor is closed. When the moni-



tor is open, the front panel display shows secondary operation information along with the main LCD screen.



Detachable Control Panel



By adopting an ultra-thin display panel, it was possible to incorporate an amplifier and tuner into the unit, making the usual black box unnecessary, and allowing a large-sized sub-display to be built into the face.



Closed

VRX746VD NEW

AM/FM DVD CENTRE, FULLY MOTORISED 7-INCH WIDE SCREEN TOUCH PANEL LCD MONITOR

- Fully Motorised 7-inch Thin Type Wide Screen Colour LCD
- Touch Panel Control with soil resistant finish

- Full-Size Front Panel Secondary Display with Flip-Down Control Panel
- Single DIN Size, No Hide-Away Black Box
- Single Play DVD Mechanism plays: DVD Video, CD Audio, VCD
- New DSP Tuner for Improved Reception, 18FM/6AM Presets
- CeNET Control of: optional Dolby Digital/dts 5.1ch Processor, TV Tuner, DVD Changer and 6-Disc CD changer

- Multi-Changer Control, CD Text, CD Titling (Audio Changer Only), Station Titling
- Front and Rear Monitor Lock
- Plays CD-R & CD-RW
- Plays MP3 Encoded CDs
- 3-Band Parametric EQ
- 1 RCA A/V Input
- 1 Video Output (RCA)
- 6ch RCA Line Level Output
- 24-Bit D/A Converter
- Fibre Optical Output for Use with DVH940 5.1ch Dolby Digital/dts Processor
- Excellent off-axis viewing
- 336,960-pixel display
- Screen Resolution of 1440 x 234
- 212W (53W x 4)
- IR Remote Control
- Fully Detachable Control Panel
- Built-In Amplifier Bypass Circuit



* Australia only

• The LCD panel uses the latest high-tech components and boasts an effective pixel rate of 99.99%. However, be aware that 0.01% or less of the pixels may be defective.



In-Dash 7-Inch Monitor with Fully Motorised Mechanism

Clarion's VRX835 features a large 7-inch monitor with a fully motorised mechanism that opens at the touch of a button. Once the monitor panel is opened, you can move it either forward or backward in one of three positions to adapt to the shape of the car's dashboard. The tilt angle can also be adjusted to one of five positions for maximum visibility and to minimise reflections and glare, and the monitor will remember this setting when it is used the next time. Of course, the fully motorised mechanism also stows away the monitor at the touch of a button.



Z-ENHANCER PLUS
Enrich your listening experience by adapting your sound system to your music tastes with Clarion's Z-Enhancer Plus. This feature allows you to select from three performance patterns — Type1, Type2 and Type3. The gain and Q (acuteness) of each performance pattern can also be adjusted, making it possible to emphasise the power and responsiveness of each band. Simply touch the control keys displayed on the setup screen to arrange the sound inside your car to better suit your favourite music genre.



Closed

VRX835

AM/FM CD MULTIMEDIA CENTRE, FULLY MOTORISED 7-INCH WIDE SCREEN TOUCH PANEL LCD MONITOR



- Fully Motorised 7-inch Wide Screen Colour LCD
- 5 Steps Tilt Angle and 3 Steps Back and Forth Slide Adjustment
- Touch Panel Control
- Single Play CD Mechanism
- 18FM/6AM Presets
- CeNET Control of: Optional TV Tuner, DVD Changer and 6-Disc CD Changer
- CD Text, CD Titling, Station Titling
- 2-Band Parametric EQ (Z-Enhancer Plus)
- 2 A/V Inputs (RCA: 1/DIN: 1*, PAL/NTSC Selectable)
- 1 Video Output (RCA)
- 4 Volt 6ch RCA Line Level Output
- Rear RCA (V) Out 1ch
- 336,960 Pixel Display
- 192W (48W x 4) Power Amplifier
- 4ch Loop-Back Circuit
- IR Remote Control
- DCP Carrying Case Included

*The CCA389 (Optional) is required when using this unit as an audio-visual input terminal.



VRX610P

AM/FM MULTIMEDIA CENTRE, SEMI-MOTORISED 6.5-INCH WIDE SCREEN LCD MONITOR



Closed

- Semi-Motorised 6.5-inch Wide Screen Colour LCD
- 18 FM/6 AM Presets
- CeNET Control of: Optional TV Tuner and 6-Disc CD Changer
- CD Titling (When Connecting with 6-Disc CD Changer), Station Titling
- Z-Enhancer
- 1 A/V Input* (PAL/NTSC Selectable, Visual Mode)
- 4ch RCA Output
- 280,800 Pixel Display
- 160W (40W x 4)
- Screen Size Select (Wide/Full Wide/Cinema/Normal)
- Monitor Lock Function
- IR Remote Control
- DCP Carrying Case Included

*The CCA389 (Optional) is required when using this unit as an audio-visual input terminal.

• The LCD panel uses the latest high-tech components and boasts an effective pixel rate of 99.99%. However, be aware that 0.01% or less of the pixels may be defective.



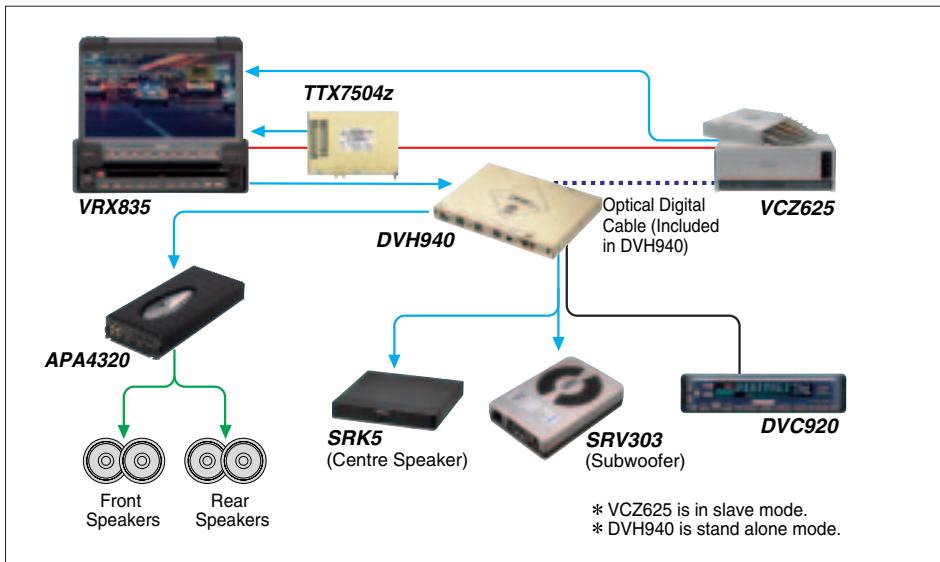
TTX7504z PAL TTX7501z NTSC
TTX7503z PAL/SECAM

TV TUNER FOR CeNET



- CeNET Controlled
- Diversity Tuner System
- A/V Input with Optional CCA389 Cable
- 1 Camera Input
- 2 Video Outputs

*The CCA389 (Sold Separately) is required when using this unit as an audio-visual input terminal.



— CeNET Line — Optical Line — RCA Line — Speaker Line

* VZ625 is in slave mode.
* DVH940 is stand alone mode.



TB741P PAL NEW
TB742P China PAL / TB743W NTSC

7-INCH WIDE COLOUR LCD TV



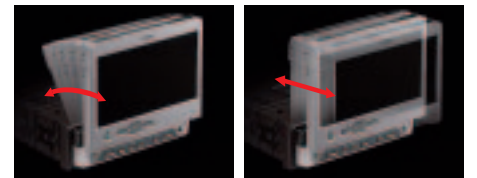
Closed

Can Connect with any Electronically Tuned FM Car Radio !!

- Fully Motorised 7-inch Wide Screen Colour LCD
- 5 Steps Tilt Angle and 3 Steps Back and Forth Slide Adjustment
- Built in FM Modulator (0.2 MHz Step, 10 Points), Except TB743W
- Built in TV Tuner and 4-Way Diversity Unit
- Audio (L/R) and Video Output (RCA)
- Screen Size Select (Wide/Full Wide/Cinema/Normal)
- 1 RCA AV Input (PAL/NTSC Compatible, Auto)
- 1 Rear View Camera/Video Input*
- IR Remote Control

*The CCA389 (optional) is required when using this unit as an audio-visual input terminal.

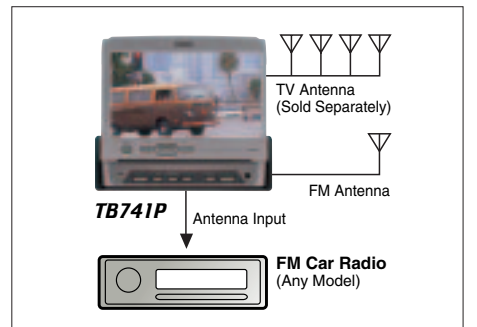
In-Dash 7-Inch Monitor with Fully Motorised Mechanism



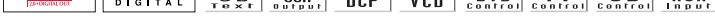
5 Steps Tilt Angle

3 Steps Back and Forth Slide Adjustment

Connection Example



VXZ646 NEW
AM/FM DVD/CD/MP3 CENTRE

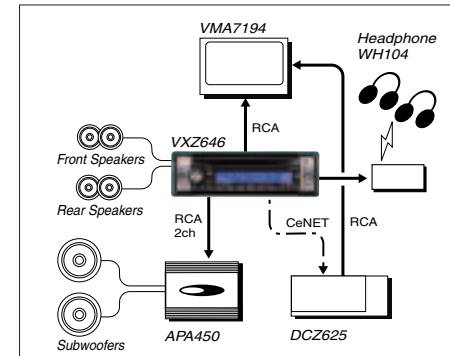


- DVD/VCD Playback
- CD Playback with MP3 Compatibility
- CeNET Control of: Optional 5.1ch Dolby Digital / dts Processor
- 18FM / 6AM Presets
- 2 Zone Control with Dedicated RCA Line Level Output
- 6ch Output
- 2-Band Parametric EQ (Z-Enhancer Plus)
- Magna Bass EX
- 208W (52W x 4)
- IR Remote Control
- DCP Carrying Case Included



DVD/CD Loading Slot

VXZ646 Connection Example



— RCA Line — CeNET Line



TVX6651 PAL TVX6651 is not available in China.
6.5-INCH COLOUR LCD TV

- TFT Active-Matrix 6.5-inch LCD monitor with high resolution and semi-motorised opening/closing
- Built-in TV Tuner
- Screen Size Select
- Built-in FM Modulator (Wide/Full wide/Cinema/Normal)
- Front AV input(35mm mini jack):1
- Rear Video input (RCA):1
- Rear CCD/Video input(DIN):1*
- 1 Video Output (RCA)
- IR Remote Control

*The CCA389 (optional) is required when using this unit as an audio-visual input terminal.



VCZ625
6-DISC DVD/CD/VCD/MP3 CHANGER



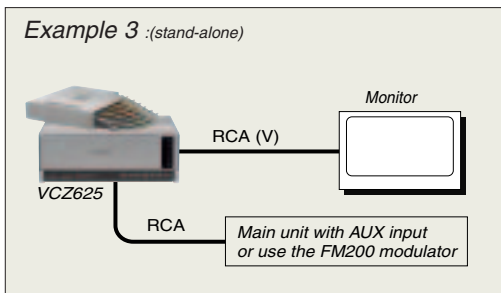
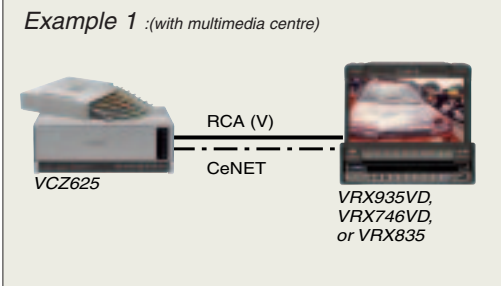
- Slave or Stand-Alone Operation
- CeNET
- 6-Disc DVD Mechanism Plays: DVD Video, CD Audio, VCD, MP3 Encoded CD-R & CD-RW, dts Audio CD
- 24-Bit D/A Converter
- CD Text (Audio CD)
- Fibre Optic Output for use with DVH940 5.1ch Dolby Digital/dts Decoder/Processor
- 2ch RCA Line Level Output for Stand-Alone Use
- Automatic 2ch Mix Down of 5.1ch Dolby Digital, dts, and dts Audio CD
- 2 Video Outputs (RCA)
- Remote IR Eye
- Includes 16-inch CeNET Cable and 16-inch A/V Cable (for Stand-Alone Use)
- IR Remote Control



DCZ625V
CeNET 6-DISC CD/VCD CHANGER
*DCZ625V is not available in Australia



- Plays CD-R & CD-RW, VCD
- 8-Times Oversampling Digital Filter
- Horizontal or Vertical Mounting Capability
- Optical Output
- CD Text and CD Titling
- CeNET
- Karaoke Remote (optional)
- PAL/NTSC Selectable



VS738
1-DIN IN DASH DVD/CD/VCD/MP3 PLAYER

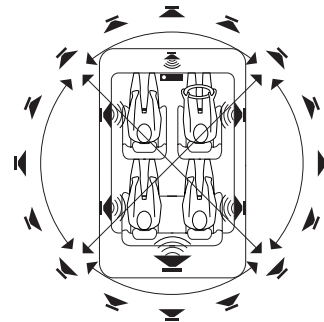


- 1-DIN In Dash DVD Player
- Plays DVD Video, CD Audio, VCD, MP3 Encoded CD-R & CD-RW
- CD-R & CD-RW Playback
- Flip-Down Detachable Control Panel
- Adjustable Audio Gain Controller
- Vacuum Fluorescent Display with Illumination Control
- 24-Bit D/A Converter
- A/V Input/Output
- Dolby Digital Optical Output for use with DVH940 5.1ch Surround Processor
- IR Remote Control
- ID3 Tag for MP3 Titles

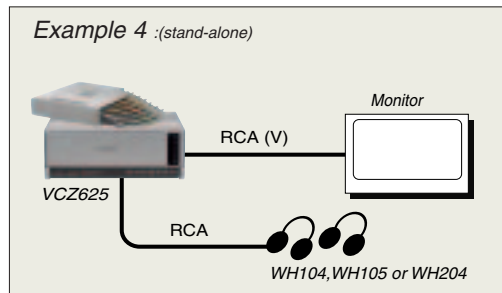
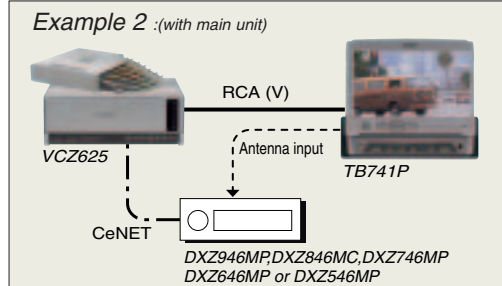


Dolby Digital and dts Digital Surround Systems
The Dolby Digital and dts 5.1ch surround sound systems were developed for recreating the surround sound effect of movie theatres in a home theatre set-up. Now, Clarion's DVH940 Processor incorporates both systems for in-car surround sound.
The DVH940 has built-in selectable crossovers for the front, centre, rear, and subwoofer channels at 50/80/120Hz. To aid in setting the proper speaker levels, all channel gains are individually adjustable and use pink noise for proper level setting. Along with the adjustable gain settings, the centre and subwoofer channels' volume are also independently adjustable to allow for different source material. A built-in 1/3 octave parametric equaliser is included, with three bands of adjustment for the front, centre and rear channel speakers. There are settings for frequency, gain, and Q (how the slope of the adjusted frequency is

affected). Either pink noise or audio material can be used to set the EQ. Also included are seven different DSP surround settings (such as Club, Theatre, etc.) to help create a bigger sound stage, as well as a digital time alignment option to set speaker delays to compensate for sonic discrepancies caused by the vehicle's interior.
The DVH940 also includes Dolby Pro Logic II, in its first mobile application. Dolby Pro Logic II is the first processor to produce 5.1ch sur-



round sound from any two channel stereo source...FM, CD, MP3 or VHS movie audio tracks. This is a major advance in mobile audio, to be able to simulate a true 5.1ch surround sound for enhanced sonic realism. Now you can experience a true "you are there" audio experience. Dolby Pro Logic II in the DVH940 generates front, centre, surround and subwoofer line outputs to external amplifiers for a true mobile surround sound system.



DVH940
5.1ch DOLBY DIGITAL/dts/PRO LOGIC II AUDIO PROCESSOR



- Stand-Alone/Slave Hide Away Processor
- Decodes: Dolby Digital, dts, dts Audio CD, Dolby Pro Logic II
- Directly Controlled by VRX935VD, VRX746VD, DXZ946MP, DXZ746MP
- 6 Pre-Programmed Digital Sound Field Memories
- Individual Adjustable Speaker Gains (LF, RF, C, LR, RR, SW)
- Independent 3-Band Parametric EQ for Front, Centre, Rear Channels
- 50/80/120Hz Selectable High Pass Crossover for Front, Centre, and Rear Channels
- 50/80/120Hz Selectable Low Pass Crossover for Subwoofer
- Speaker Time Delay Settings
- 24-Bit D/A Converter
- 24-Bit A/D Converter
- 2ch RCA Line Level Analogue Input
- 1 CeNET Analogue Line Level Input
- 2 Digital Fibre Optic Inputs
- Optional DVC920 Controller allows use with any main unit

Excellent Solution for 5.1ch Surround Sound Systems

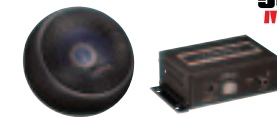
MAX 50W



SRK5 50W
1/2-DIN CENTRE CHANNEL SPEAKER WITH POWER AMPLIFIER

- 1/2-DIN Fixed Application
- Fits in all DIN and 1/2 Installation Kits
- 50W Amplifier
- 20W RMS
- RCA Audio Input
- 5 3/4-inch Full Range 4 Ohm Speakers in a Sealed Enclosure with 2 1-inch Rear-Mounted Midbass Reinforcement Speakers
- Ported to the Front of the Enclosure
- Excellent Solution for 5.1ch Surround Systems

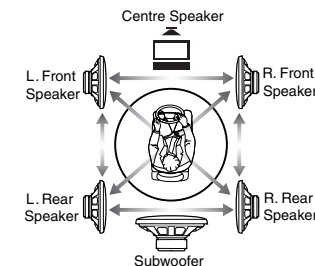
MAX 50W



SRK602 50W
CENTRE SPEAKER SYSTEM WITH POWER AMPLIFIER

- 6cm 2 Way Coaxial Speaker with 50W High Power Amplifier
- Thin and Small Size for Easy Installation
- Efficiency: 85 dB/W/m
- Frequency Response: 140-40,000 Hz

1/2 DIN Centre Channel Speaker
Clarion's SRK5 5.1ch surround centre channel speaker is a 1/2 DIN application that makes installing a centre channel speaker a snap. With its included amplifier, the SRK5 can be

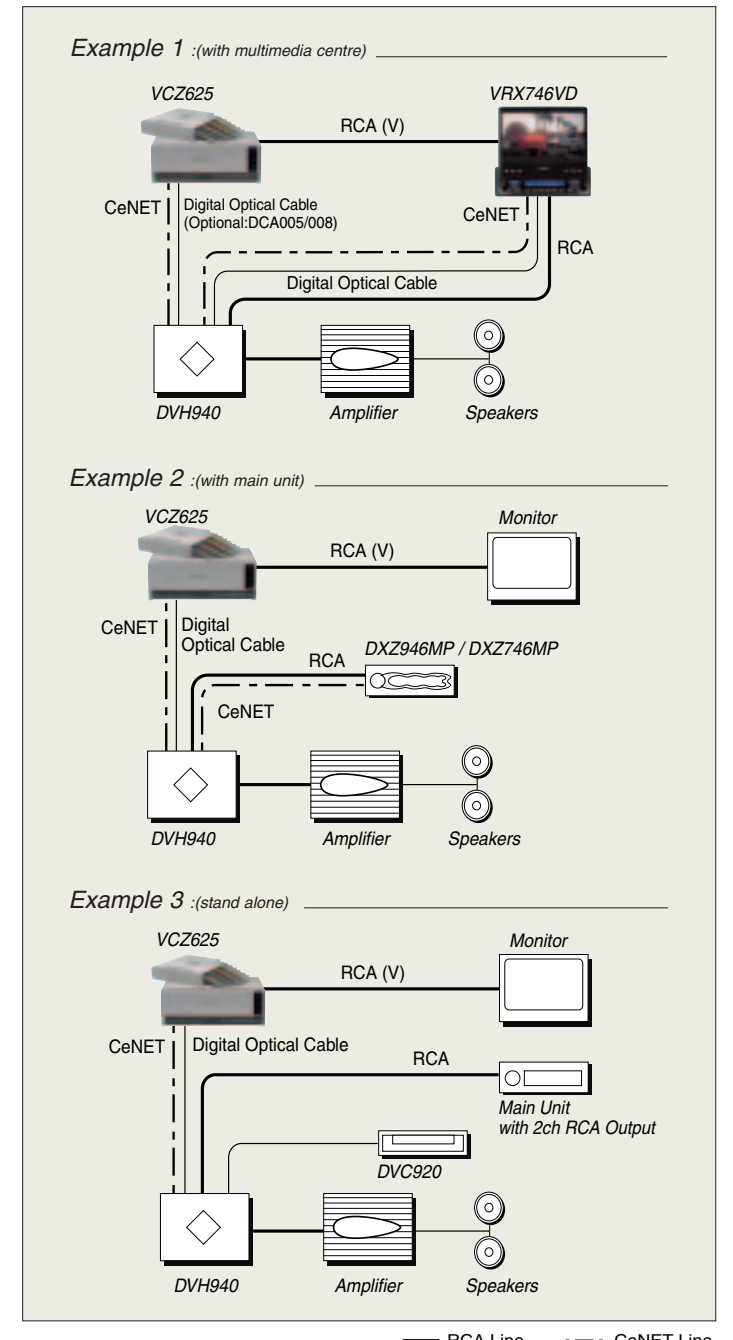


added to any system with ease. When coupled with the VRX935VD and the DVH940 5.1ch processor, you can use the loop-back circuit in the VRX935VD to power the front and surround channels and the SRK5's amplifier for the centre channel, a cost conscious system can be assembled. All that's needed is a subwoofer and a subwoofer amplifier to complete an awesome surround sound system!



DVC920
COMMANDER FOR DVH940

- Connects to DVH940 Processor
- Controls all Functions of DVH940
- Contrast Adjust
- High Visibility Multi-Colour Display
- Screen Saver Mode

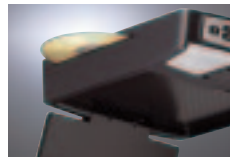


Give your rear-seat passengers first class entertainment

With its built-in DVD player, the OHMD74 overhead monitor lets passengers in the back seat enjoy watching movies and other DVD content without bothering the driver at all. Just insert the disc, sit back, enjoy the ride, and enjoy the show.

OHMD74 **NEW** THIN, 7-INCH WIDE-SCREEN FLIP-DOWN COLOUR LCD MONITOR WITH BUILT-IN DVD PLAYER

- Plays CD/CD-R/RW/DVD+/-R/DVD+/-RW/MP3
- Easy-Fit Universal Metal Mounting Bracket
- TFT Display With 16:9/4:3 Format
- On-Screen Display (OSD)
- 2 A/V Inputs
- 1 Video Output
- Convenient External A/V Game Port (Included)
- Lightweight Plastic Housing
- IR Audio Output for Wireless Headphones (2 Pieces WH104 included)
- Front-Panel Accessible FM Modulator and Picture Adjustment Controls
- FM Modulator Control Cable (Included for Optional FM200)
- Remote Control
- Built-In Dome Lights



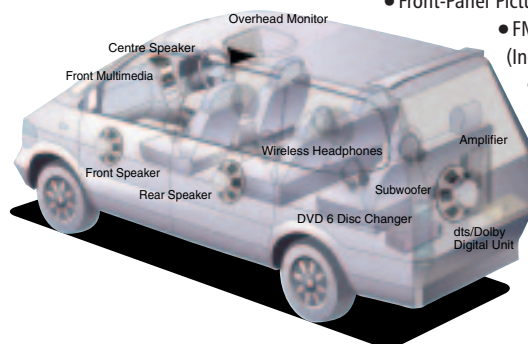
DVD Loading Slot



OHM74 **NEW** THIN, 7-INCH WIDE-SCREEN FLIP-DOWN COLOUR LCD MONITOR

*OHM74 is not available in Australia

- Easy-Fit Universal Metal Mounting Bracket
- TFT Display With 16:9/4:3 Format
- On-Screen Display (OSD)
- 2 A/V Inputs
- 1 Video Output
- Convenient External A/V Game Port (Included)
- Lightweight Plastic Housing
- IR Audio Output for Wireless Headphones (2 Pieces WH104 Included)
- Front-Panel Picture Adjustment Controls
- FM Modulator Control Cable (Included for Optional FM200)
- Remote Control
- Built-In Dome Lights



Turn Every Seat into First Class

Clarion gives you a superior view — a high quality viewscreen for an intuitive human-machine interface. By offering you a full selection of rear-entertainment monitors and accessories, you can let all your passengers enjoy the show. Just select the type that matches your vehicle and your style. You'll be able to keep your audience entertained during your journey, whether it's a trip across town or a trek to a foreign destination.

5.1ch Dolby Digital/dts Surround

Dolby Digital and dts provide three channels of front sound (Left, Right, Centre), together with two rear surround sound audio channels (Left, Right) and a dedicated low-frequency channel for a sub-woofer. This combination can reproduce the dynamic sound field of a movie theatre in a relatively small space. So take the show on the road; let Clarion bring full 5.1ch performance into your car.

The Right Accessories Make Your Multimedia System Complete

Clarion offers all the accessories that you will need to complete your audio/video system. Three choices of wireless headphones for rear seat audio will make watching movies or playing video games enjoyable for hours on end. The headrest mounting bezel makes installing a Clarion LCD monitor easy, and cosmetically pleasing in any vehicle. Add in the VA700 video distribution amplifier for flawless video on up to 7 screens. Our Rear View Camera adds a safety factor to your multimedia system. It is automatically turned on when you shift into reverse, preventing accidents. Its CCD receptor can see in near darkness, so backing up your SUV at night just got a lot less stressful. And, because the camera is designed to handle the abuse of Mother Nature, you can be assured that it will provide years of dependable service. And don't forget, we have you covered on TV antennas. From a single dipole to an amplified diversity antenna, Clarion has the right antenna for our TV tuners.

High-luminosity LCD monitors for an extremely realistic display of all visual sources



VMA7194 **NEW** 7-INCH WIDE-SCREEN HEADREST LCD MONITOR

- Slim, Easy-Fit Universal Mounting Bracket (Included)
- TFT Active Matrix Display With 16:9/4:3 Format
- On-Screen Display (OSD)
- 2 A/V Inputs
- Convenient External A/V Game Port (Included)
- Dual IR Output for Headphones (Optional WH204)
- Built-In IR Receiver
- Front-Panel Controls for Power, Source and Picture



VMA5894 **NEW** 5.8-INCH WIDE-SCREEN HEADREST LCD MONITOR

- Slim, Easy-Fit Universal Mounting Bracket (Included)
- TFT Active Matrix Display With 16:9/4:3 Format
- On-Screen Display (OSD)
- 2 A/V Inputs
- Convenient External A/V Game Port (Included)
- Dual IR Output for Headphones (Optional WH204)
- Built-In IR Receiver
- Front-Panel Controls for Power, Source and Picture

Rear Seat Monitors

The OHMD74/OHM74 overhead flip down 7-inch, wide-screen monitors share many unique features that ensure the cleanest and brightest picture available in the mobile environment, including TFT (Thin Film Transistors), a high-resolution LCD screen, and easy adjustment of colour, tint, brightness and dimmer functions. They also



have built-in transmitters for wireless headphones, and even include 2 wireless headphones as part of the system. All of our monitors have built-in IR receivers, which make multi-monitor single remote control integration easy. TFT's (Thin Film Transistors) are attached to each RGB (red/green/blue) pixel to provide more control over the colour being reproduced. This method helps reduce display "white-wash" associated with a conventional passive-matrix screen. Clarion monitors utilise high-resolution active matrix screens. By employing a "striped pixel configuration" to align RGB pixels into columns, we can use more pixels to enhance details and provide better colour definition. Having the controls for brightness on the front panel allows easy adjustment of picture quality.

OPTIONS



MSS430

"SOURCE COMMANDER" MULTI-ZONE A/V SWITCHER

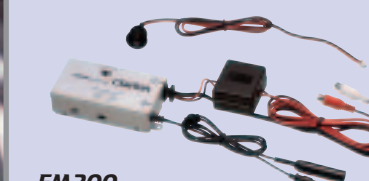
- 3 Control Station and Mounting Bezel included
- Audio Level Gain Control
- Multi-Source Switching of 4 A/V Sources with up to 3 Different Zones (Monitors)
- 4 RCA A/V Inputs
- 3 RCA A/V Outputs
- Rear View Camera Reverse Trigger Input



VA700

VIDEO DISTRIBUTION AMPLIFIER

- 1 Gain Control
- 1 RCA Video Input
- 7 Buffered 75 Ohm RCA Video Outputs
- Stable Video Signal for up to 7 LCD Monitors



FM200

FM MODULATOR

- 2ch RCA Audio Input
- On/Off Switch
- Volume Level Control
- FM Reception Frequency: 88.7MHz/89.1MHz



WH204 **NEW** WH105 WH104 **NEW**

WIRELESS HEADPHONE SYSTEMS

- WH204: IR Wireless Headphones (Dual Channel Input)
- WH105: RF Frequency Wireless Headphones
- WH104: IR Wireless Headphones

Clarion Main Units for 2004...

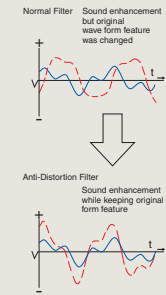
Refined Sound and Form Stimulates Your Sense of Superiority

Rich sound comfortably satisfies your desire for status. The design and form, which exude an image of leading-edge style, appeal directly to your sensibilities and add new excitement to your in-car environment. From faithful sound reproduction to body design, our flagship main unit HX-D2 satisfies all the requirements demanded of main units today. The DXZ946MP offers effortless usability with its new-style GUI Optimedia Display, and next-generation digital sound processing with AC-Processor III. And the DXZ846MC offers convenient music storage, playback and deletion, like a CD changer but even easier with the Music Catcher System. The 2004 line-up of Clarion main units offers both potential and design, to enhance your driving experience and make choosing as thrilling when you chose your car.



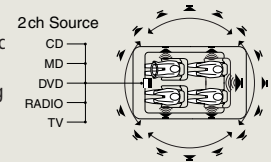
Anti-Distortion Filter

No one can question the benefits of compressed audio formats such as MP3 and WMA music files: more songs, more selection. The downside of this format is sound quality. With Clarion's embedded Anti-Distortion Filters, the rich, full sound lost during compression is restored for dramatic sound reproduction. The Anti-Distortion Filter also corrects deficiencies of overused CDs. The benefits don't stop there, either. From road noise to sound hindering interior cabin designs, the environment inside a vehicle is not an ideal place for optimal sound reproduction. Clarion's Anti-Distortion Filter corrects these problems, preventing high and low-range frequencies from becoming inaudible. This is done without any additional frequency boost to compensate for the inherent problems, which can result in muffled, dull sounds generated by mutual phase distortion.

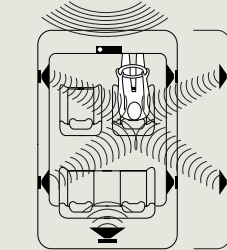


AC-Processor III

Blending vibrant, dynamic sound with spatial analysis technology, Clarion unveils its latest sound processing technology: the AC-Processor III.



Sound's spatial image fixed in forward location



• Dolby Pro Logic II

Lets you enjoy 5.1ch surround sound with 2ch sources including DVD, CD, MP3, WMA and FM. Pseudo 5.1ch surround using 4 speakers is also available.

• Anti-Distortion Filter

Helps restore lost dynamics in MP3 and WMA music files.

• Time Alignment Control

Lets you easily adjust the time delay of your speakers to best suit your vehicle type. Simply choose from these three available options: SEDAN, WAGON and MINI-VAN.

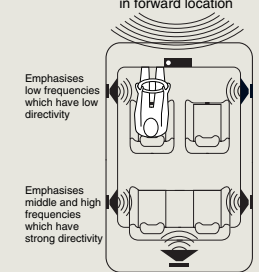
• VSE (Virtual Space Enhancer)

Lets you digitally correct irregular reflection, polarisation and other acoustic problems that may result from your vehicle's interior design.

• Parametric EQ

Lets you adjust the equalisation of each frequency band independently for front, centre and rear speakers.

Sound's spatial image fixed in forward location



Optimedia Display

Combining impeccable styling with touch-screen capability, Clarion's reformatted graphic user interface (GUI) provides superior functionality in an environment where ease-of-use is of utmost importance.

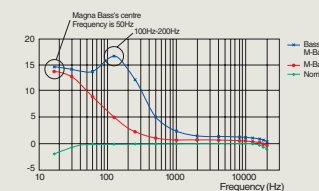


Intuitively linking the movement of the user's fingertips to the screen, Clarion's advanced Optimedia display provides precise control of display functions and features. The display can also be customised for enhanced human interface by simply touching and sliding the on-screen function buttons to the desired configuration. Providing additional reliability is Clarion's 16-gradation, full-dot matrix LCD screen, which projects a type of high-grade picture that never needs a second look.



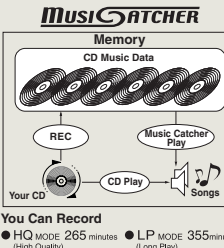
Magna Bass EX for dynamic bass resonance

Whether your music is playing at a low or high volume, achieving well-balanced bass inside the car has never been easier. Allowing you to boost the ultra-low frequency range of your sound system with a centre frequency of around 50Hz, this feature automatically compensates for the increased bass to eliminate any unwanted noise.



Music Catcher System

With its entrance into the mass-storage main unit market, Clarion unveils its exclusive Music Catcher System. Boasting memory, Music Catcher allows one to freely record, play and erase up to approximately six CDs worth of music data files. By using the Music Catcher System, no longer is there a need to carry around that cumbersome CD storage case, or risk damage to your favourite CD. This system also eliminates the need for space-taking CD changers.



You Can Record
• HQ MODE: 265 minutes (High Quality) • LP MODE: 355minutes (Long Play)



24-Bit D/A Converter

A key component in the transfer of digital data from a CD into analogue sound is Clarion's 24-Bit D/A converter. Because the digital realm is made up of unnaturally square sound waves, as opposed to the smoothly undulating sound waves characteristic of the real-world environment, Clarion's embedded 24-Bit D/A converter recreates the natural nuances and expressions lost during the sound reproduction process.



HX-D2 / Masking high-performance sound with elegant styling, the unit boasts a Sampling D/A Converter to reproduce the finest sonic nuances.



DXZ946MP / Optimedia Display combines innovative styling with touch-screen functionality for stress-free operation in the rigorous in-car environment.

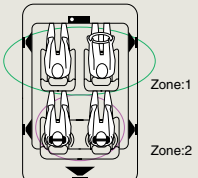


DXZ846MC / Utilising internal memory, Clarion's exclusive Music Catcher technology provides a glimpse into the future of in-car technology.



2 Zone Entertainment

Divide your vehicle's interior into separate listening and viewing zones for an enhanced personal entertainment experience. This feature allows front-seat passengers to enjoy music from a CD while rear-seat passengers enjoy their favourite DVD soundtrack or movie.



Subwoofer Control

For added control, Clarion allows you to manage your sound system's subwoofer output level directly from the main unit.



Multicolour Displays to vividly choreograph your dash

Toggle through 728 (DXZ746MP) / 80 (DXZ846MC and DXZ646MP) different colour patterns to match your main unit's display panel or illuminated display characters with the interior colour scheme of your vehicle. This feature also matches the main unit's illuminated function buttons to the desired colour for the ultimate customisable look.



Message Information

Personalised your main unit's display screen by adding your own text message. For added affect, this feature also allows your message to scroll across the screen. Use this feature as a bulletin board for your vehicle, or utilise it as a memo pad.

Be Surrounded by Refined 5.1ch Sound with AC-Processor III

The DXZ946MP is equipped with AC-Processor III which enables next-generation digital sound processing technologies like Dolby Pro Logic II, Time Alignment, VSE, Parametric EQ and Anti-Distortion Filter.

This is a main unit that embodies all the ideals that are demanded of car audio.

Install the DXZ946MP in your dash, and the moment you turn on the power, the innovative GUI Optimedia Display will show you a world of comfortable usability where you can begin a whole new relationship with car audio.



DOLBY SURROUND PRO LOGIC II

Windows Media Center

CD-R/RW

AC-PROCESSOR III

ADF Anti-Distortion Filter

Time Alignment

P.E.O. Parametric EQ

24bit D/A CONVERTER

L.P.F. H.P.F.

53W x 4 HIGH POWER

2ZONE Audio

ALUMINIUM FACE

Optimedia Display

TOUCH PANEL

Dimmer Auto Dimmer

Rotary Volume Control

I LOVE YOU Message Information

CeNET

VSE

CD 4V/6ch DCP DVD TV 5.1ch CD AUX

TEXT OUTPUT CONTROL CONTROL DISC/CD CONTROL INPUT

DXZ946MP NEW

AM/FM CD/MP3/WMA CENTRE/BUILT-IN DSP/ EQ WITH TOUCH PANEL

- Motorised Detachable Control Panel
- Plays CD-R & CD-RW
- Plays MP3 and WMA Encoded CDs
- Optimedia Display
- Touch Panel Control
- 16 Gradation Full Dot LCD
- AC Processor III with Anti-Distortion Filter
- Dolby Pro Logic II
- CeNET Control of: Optional Dolby Digital/dts 5.1ch Processor, TV Tuner, DVD Changer and 6-Disc CD Changer



- CD Text, CD Titling, Station Titling
- IR Remote Control
- 24-Bit D/A Converter
- 3-Band 1/3 Octave Parametric EQ
- Built-in DSP for Time Alignment, Seat Position, Virtual Space Enhancer
- 4-Volt/6ch Gold Plated RCA Line Level Output
- 2ch AUX Input
- Built-in adjustable High Pass Crossovers for Front/Rear/Centre Channels: Through/50Hz/80Hz/120Hz
- Built-in adjustable Low Pass Crossover with Subwoofer Volume Control: 50Hz/80Hz/120Hz
- 2 Zone Control with Dedicated RCA Line Level Output
- Adjustable Display Contrast
- 212W (53W x 4)

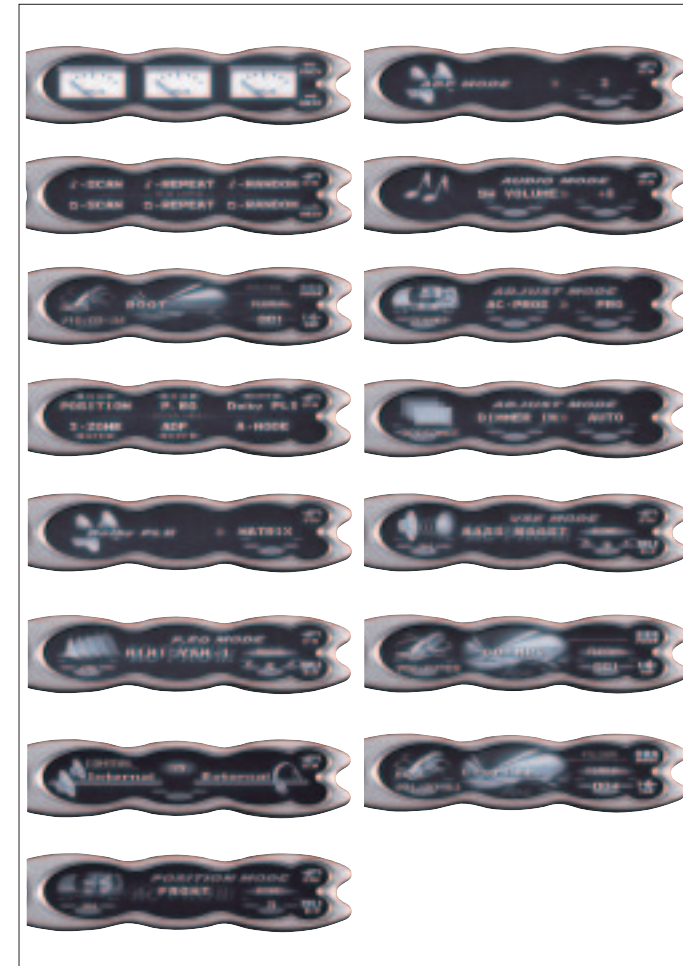
- 18FM/6AM Presets
- Screen Saver With User-Programmable Message Information
- Detachable Control Panel with Blinking LED for Anti-Theft
- Rotary Volume Control
- Aluminium Faceplate
- Built-In Amplifier Bypass Circuit



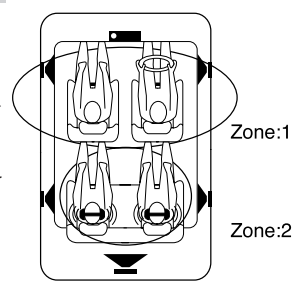
CD Loading Slot



Optimedia Display
Melding cutting-edge styling with touch-screen functionality, Clarion's reformatted graphic user interface (GUI) provides flawless operation in an environment where ease-of-use is of utmost importance. Intuitively linking the movement of the user's fingertips to the screen, Clarion's advanced Optimedia display provides precise control of display functions and features. The display can also be customised for enhanced human interface by simply touching and sliding the on-screen function buttons into the desired configuration. Providing additional reliability is Clarion's 16-gradation, full-dot matrix LCD screen, which projects a type of high-grade picture that never needs a second look.

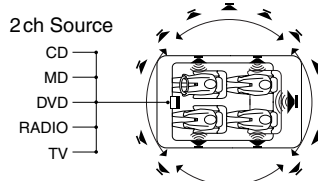


Main Unit 2 Zone
In selected Main units, you can select separate audio zones for front and rear seat passengers. The front zone can be either the front and rear powered outputs, or the front and rear RCA line level outputs, while the rear zone is a dedicated RCA line level output for use with wireless headphones. Front zone can be either the built-in AM/FM Tuner, CD player or AUX input, or any audio device on the CeNET bus, such as DVD changer, TV Tuner, or Audio CD changer. The rear zone can choose any source that has not been selected for the front zone.



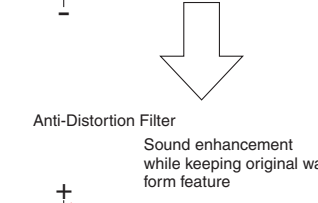
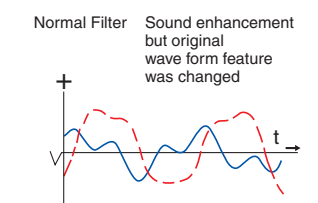
"AC-Processor III" for Next-Generation Digital Sound Processing

Dolby Pro Logic II
For sound that puts you right up on the stage of your favourite music group, Dolby Pro Logic II transforms any two-channel source (i.e., radio or CD) into rich 5.1ch-like surround. As the first to adopt Dolby



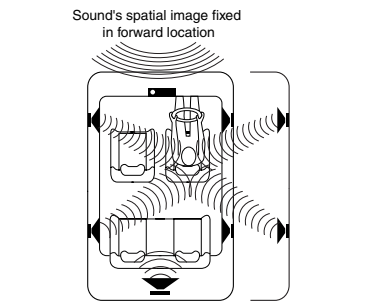
Laboratories latest matrix sound decoding technology, Clarion also equips its main unit with three Pro Logic II performance modes — Centre Width, Dimension and Panorama — for additional versatility.

Anti-Distortion Filter
From road noise to sound hindering interior cabin designs, the environment inside a vehicle is not an ideal place for optimal sound reproduction. Even the material used



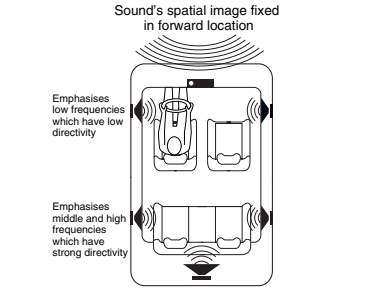
to wrap your vehicle's seats can hamper the travel of sound. Clarion's Anti-Distortion Filter corrects these problems, preventing high and low-range frequencies from becoming inaudible. This is done without any additional frequency boost to compensate for the inherent frequency distortion, which can result in muffled, dull sounds generated by mutual phase distortion. This allows the system to focus on emphasising the natural frequency characteristics of the sound source. The anti-distortion filter also restores the sound produced from overused CDs, providing a new sense of clarity and localisation.

Digital Time Alignment
For pinpoint accuracy, Clarion allows you to adjust your system's speakers to deliver the same acoustical effects. The system is based



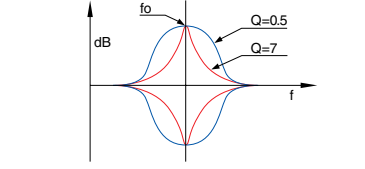
on a five basic positioning points: FRONT-L, FRONT-R, FRONT, REAR, and FULL SEAT. Aside from your system's acoustical patterns, digital time alignment allows you to optimise your system to account for the number of passengers inside your vehicle's interior cabin. (Adjustable range: 0-500 cm, in 2.3 cm steps)

Virtual Space Enhancer (VSE)
Plagued by a standing wave produced by reflected sounds in the neighbourhood of 230Hz, your vehicle's interior cabin is not an ideal place for accurate sound reproduction,



especially when it comes to lower frequencies. As a function of Clarion's AC Processor III, the VSE feature accounts for this phenomenon and cancels it out by generating a reverse-phased wave from the opposite speaker. The VSE also cancels out successive reflections to the n-th time, allowing the system to be finely tuned to the sound environment. This is especially important for vehicle interiors where these problems are more apparent.

3-Band Parametric EQ
Clarion's 3-band parametric equaliser allows you to correct irregularities in frequency



characteristics that can hamper your listening experience. This feature also allows you to select from three operating modes — SEDAN, WAGON and MINI VAN — and offers additional system correction by offering two preset patterns for each operating mode.

Built-In Amplifier Bypass Circuit
This function lets the audio signal bypass the built-in amplifier so it can be output to an external amplifier in its purest state, without any noise or distortion being introduced by the internal circuitry. Essential if you plan to expand your system with external power amplifiers.

Interior Styling and Usability are Perfectly Harmonized with this Stylish Unit

In addition to powerful sound with Magna Bass EX's extreme bass performance and subwoofer control capability at the main unit, you can also count on superior usability with Music Catcher's easy music storage and CD changer-like simplicity, 2 Zone which makes rear entertainment systems possible, and MP3 technology which is the choice of the Internet generation. Add to all this the variable colour display which allows selection from 80 different colour patterns, and you've got a main unit with unbeatable interior looks and performance.



DXZ846MC NEW

AM/FM CD/MP3/WMA CENTRE/DIGITAL RECORDER

- Motorised Detachable Control Panel
- Plays CD-R & CD-RW
- Plays MP3 and WMA Encoded CDs
- Music Catcher Digital Recorder Built-in
- CeNET Control of: Optional TV Tuner, DVD Changer and 6-Disc CD Changer
- CD Text, CD Titling, Station Titling
- 2-Band Parametric EQ (Anti-Distortion Filter)
- Subwoofer Volume Control
- Built-in Low Pass Crossover (off/50Hz/80Hz/120Hz)



- 6ch RCA Line Level Output
- 2 Zone Control with Dedicated RCA Line Level Output
- Magna Bass EX
- Anti-Distortion Filter
- 2ch AUX Input
- Adjustable Display Contrast
- IR Remote Control
- 212W (53W x 4)
- 80 Variable Colour LCD and 80 Variable Colour Buttons (9 presets and 1 user)
- Retractable Rotary Volume Control
- Full Dot (65x7) Matrix Display
- 18FM/6AM Presets
- Screen Saver with User-Programmable Message Information
- Aluminium Faceplate

- Detachable Control Panel with Blinking LED for Anti-Theft
- Built-In Amplifier Bypass Circuit



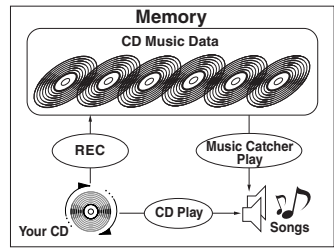
CD Loading Slot

Music Catcher System

Music Catcher is a system that lets you freely record, play and erase tunes using a built-in memory. It can store approximately six CDs worth of high-quality music data files. By using the Music Catcher System, no longer is



MUSIC CATCHER

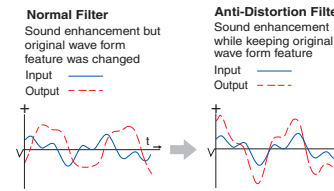


You Can Record
 • HQ MODE 265 minutes (High Quality)
 • LP MODE 355 minutes (Long Play)

there a need to carry around that cumbersome CD storage case, or risk damage to your favourite CD. This system also eliminates the need for space-taking CD changers.

Anti-Distortion Filter

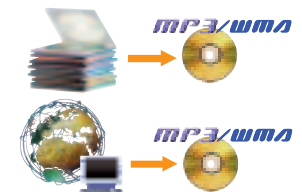
From road noise to sound hindering interior cabin designs, the environment inside a vehicle is not an ideal place for optimal sound reproduction. Even the material used to wrap your vehicle's seats can hamper the travel of sound. Clarion's Anti-Distortion Filter corrects these problems, preventing



high and low-range frequencies from becoming inaudible. This is done without any additional frequency boost to compensate for the inherent problems, which can result in muffled, dull sounds generated by mutual phase distortion. This allows the system to focus on emphasising the natural frequency characteristics of the sound source. The Anti-Distortion Filter also restores the sound produced from overused CDs, providing a new sense of clarity and localisation.

MP3 and WMA Technology

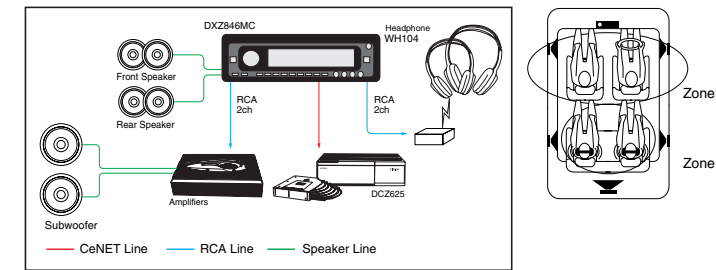
Because of its ability to compress music data from a CD down to 1/10th its original source, MP3 and WMA technology has quickly gained worldwide acceptance in



today's information age. Taking note, Clarion equips its DXZ846MC with the ability to play your MP3-formatted CD-R disc, providing you with up to 10 hours, or 10 CDs worth of music enjoyment.

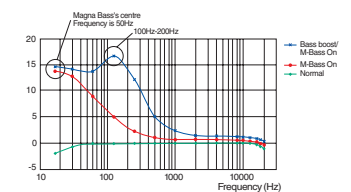
Main Unit 2 Zone

Taking personal entertainment to the next level, Clarion's 2 Zone operation allows you to divide your vehicle's interior into two separate listening and viewing zones. Now, rear-seat passengers can enjoy their favourite DVD soundtrack or video while front-seat passengers indulge in a host of music sources, such as CD or Radio.



Magna Bass EX

Compared to conventional loudness features, which boost the low frequency range of 100Hz, Magna Bass boosts the ultra-low frequency range with a centre frequency of



around 50Hz. For additional bass response, Clarion has added Magna Bass EX, which goes beyond Magna Bass by boosting the ultra-low frequency range centred around 50Hz. This feature also reduces noise thanks to its automatic compensation function, which produces well-balanced, dynamic bass sound no matter how loud you play your music.

Subwoofer Level Control

Get in control of your bass with Clarion's subwoofer level control. Operated separately from the unit's main volume control, the DXZ846MC's subwoofer level control allows you to achieve tight, clean bass without adjusting your amplifiers and speakers.

CD-R/CD-RW Playback

Clarion CD Centres let you play a variety of CDs. You can burn music on CD-R or CD-RW and listen to them on Clarion Main Units with high fidelity sound to please your ears.

Retractable Rotary Volume Control

Much more ergonomic and intuitive than buttons, this control lets you adjust the volume with analogue type flexibility. It's just another way Clarion helps you keep your

eyes on the road while keeping your ears entertained.

Message Information

On selected main units, you can display your own customised message of up to 30 characters that is displayed when the unit turns on.

Detachable Control Panel with Blinking LED
 To prevent theft, the control panel can be detached from the units. For maximum safety, remove the control panel after you park



your car, put the panel in the supplied case, and carry it around with you in your bag.

Clarion's CD Operational Safeguards

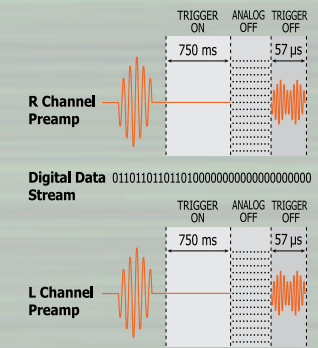
Clarion's CD operational safe-guards allow the CD mechanism to detect disc size, prior disc-in-drive detector, and auto reload.

A special tapered loading roller precisely centres the CD onto the drive spindle. Since the roller mechanism is tapered, only the edges of the CD are touched, eliminating the possibility of scratches. A sensor prevents disc loading when one is already in the player by closing a loading gate.

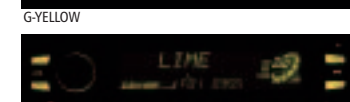
Zero-Bit Detector Mute Circuit

This exclusive Clarion digital circuit monitors the data stream and mutes the final analogue output any time a series of consecutive zero bits is detected.

The zero-bit detector mute circuit is a digitally-triggered analogue muting circuit. This is an important key point in understanding the basic concept responsible for the outstanding sonic capabilities of all Clarion CD players. All analogue noise gates require initial



adjustments to optimise the overall threshold level and the duration period of the gating circuitry. Therefore, any type of analogue-based noise gate has the potential of being prematurely triggered due to an incorrectly-set adjustment. This will produce audible and annoying "pumping" effects, which can severely clip off the audio signal. Clarion's zero-bit detector mute-circuitry requires absolutely no adjustments and boasts a dynamic signal-to-noise (S/N) ratio well above 100 dB.



DXZ746MP NEW
AM/FM CD/MP3/WMA CENTRE

- Motorised Detachable Control Panel
- 24-Bit D/A Converter
- Plays CD-R & CD-RW
- Plays MP3 and WMA Encoded CDs
- CeNET Control of: Optional TV Tuner, Dolby Digital/dts 5.1ch Processor, DVD Changer and 6-Disc CD Changer
- CD Text, CD Titling, Station Titling
- 2-Band Parametric EQ (Anti-Distortion Filter)
- Subwoofer Volume Control
- Built-in Low Pass Crossover (off/50Hz/80Hz/120Hz)
- 4-Volt/6ch Gold Plated RCA Line Level Output
- 2 Zone Control with Dedicated RCA Line Level Output
- Magna Bass EX
- Anti-Distortion Filter
- 2ch AUX Input
- Adjustable Display Contrast
- IR Remote Control
- 212W (53W x 4)
- 18FM/6AM Presets
- 728 Variable Colour LCD and 728 Variable Colour Control Buttons (12 presets and 3 users)
- Retractable Rotary Volume Control
- Full Dot (65x15) Matrix Display
- Screen Saver With User-Programmable Message Information
- Aluminium Faceplate
- Detachable Control Panel with Blinking LED for Anti-Theft
- Built-In Amplifier Bypass Circuit

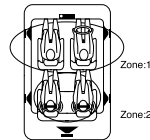


Make a Visual Statement with Multicolour Display Technology

Multicolour Display
While addressing one's sense of style, Clarion's variable-colour display enhances visual recognition while operating the unit in the rigorous in-car environment. Choose from 728 different colours to match your display or display characters to your vehicle's interior colour scheme. Adding to this seamless look, this feature also changes the colour of the unit's illuminated function buttons.



Main Unit 2 Zone
Taking personal entertainment to the next level, Clarion's 2 Zone operation allows you to divide your vehicle's interior into two separate listening and viewing zones. Now, rear-seat passengers can enjoy their favourite DVD soundtrack or video while front-seat passengers indulge in a host of music sources, such as CD or Radio.



Slope Console for Loading CDs

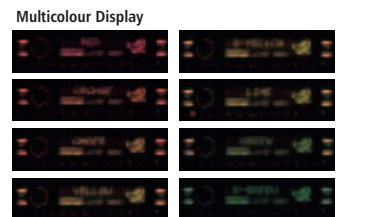
DXZ646MP NEW
AM/FM CD/MP3/WMA CENTRE

- Flip-Down Detachable Control Panel
- Plays CD-R & CD-RW
- Plays MP3 and WMA Encoded CDs
- CeNET Control of: Optional TV Tuner, DVD Changer and 6-Disc CD Changer
- CD Text, CD Titling, Station Titling
- 2-Band Parametric EQ (Z-Enhancer Plus)
- Subwoofer Volume Control
- Built-in Low Pass Crossover (off/50Hz/80Hz/120Hz)
- 6ch RCA Line Level Output
- 2 Zone Control with Dedicated RCA Line Level Output
- Magna Bass EX
- 2ch AUX Input
- IR Remote Control
- 208W (52W x 4)
- 18FM/6AM Presets
- 80 Variable Colour LCD and 80 Variable Colour Control Buttons
- Retractable Rotary Volume Control
- Screen Saver With User-Programmable Message Information
- Aluminium Faceplate



Supporting the Internet Age with MP3 and WMA Compatibility

MP3/WMA Playback
Compatible with MP3 and WMA (Windows Media Audio) compressed audio formats to support your long drives into today's information age.



CD-R/CD-RW Playback
Based on a separate standard from conventional CDs, CD-R and CD-RW compatibility is an important feature in today's information age. Clarion meets this demand by equipping its DXZ646MP with the ability to freely play CD-R and CD-RW Discs.



Flip Down for Loading CDs

DXZ546MP NEW
AM/FM CD/MP3/WMA CENTRE

- Detachable Control Panel
- Plays CD-R & CD-RW
- Plays MP3 and WMA Encoded CDs
- CeNET Control of: Optional TV Tuner, DVD Changer and 6-Disc CD Changer
- CD Text, CD Titling, Station Titling
- 2-Band Parametric EQ (Z-Enhancer Plus)
- Subwoofer Volume Control
- Built-in Low Pass Crossover (off/50Hz/80Hz/120Hz)
- 2ch Front + 2ch Rear/Sub RCA Line Level Output
- Magna Bass EX
- 2ch AUX Input
- IR Remote Control
- 208W (52W x 4)
- 18FM/6AM Presets
- Blue Negative LCD with White Control Buttons
- 5 x 7 Dot Matrix 10 Digit LCD
- Rotary Volume Control
- Screen Saver With User-Programmable Message Information
- Aluminium Faceplate



Advanced Sound Creativity is Made Easy with Z-ENHANCER PLUS

Z-ENHANCER PLUS
Enrich your listening experience by adapting your sound system to your music tastes with Clarion's Z-Enhancer Plus. This feature allows you to select from three performance patterns — Type1, Type2 and Type3. The gain and Q (acuteness) of each performance pattern can also be adjusted, making it possible to emphasise the power and responsiveness of each band. Simply touch the control keys displayed on the setup screen to arrange the sound inside your car to better suit your favourite music genre.

Rotary Volume Control
Blending cutting-edge styling with superior functionality, Clarion's pop-out, rotary volume control offers precise control of your audio system. Illuminated during night-time use, the rotary dial boasts a rubberised grip and a large design so you'll always be in control.



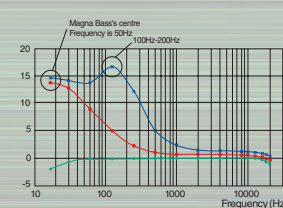
DB346MP NEW
AM/FM CD/MP3 CENTRE

- Detachable Control Panel
- Plays CD-R & CD-RW
- Plays MP3 Encoded CDs
- 4ch RCA Line Level Output
- IR Remote Control
- 200W (50W x 4)
- Z-Enhancer
- Magna Bass EX
- 18FM/6AM Presets
- Rotary Volume Control
- Blue Negative LCD with Blue Buttons
- 13-Segment 8-Digit LCD
- Screen Saver
- Aluminium Faceplate



Magna Bass EX

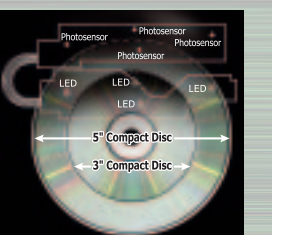
Boosts the bass range in the vicinity of 50 Hz by nearly 10 dB, so the bass comes through loud and clear even if you're listening at low volume.



Clarion's Low-Vibration Suspension System

Each Clarion CD mechanism features a low-vibration suspension system of springs and dampers to prevent skipping and mistracking. Clarion employs a three-beam laser assembly on all CD players and changers. The central beam is used to pick up the digital information to send to the D/A converter, while the two outer beams guide the laser lens assembly to precisely

track the digital information on the CD. With the low vibration suspension system, Clarion CD players can play without skipping or mistracking. The laser assembly can stay focused on the CD surface with lower correction information from the focusing servo. As a result, the music contained on the CD will be reproduced flawlessly.



Solid Performance for Discs and Tapes



ADB341MP **NEW**
2-DIN AM/FM CD/MP3/CASSETTE CENTRE

- Flip-Down Control Panel
- Plays CD-R & CD-RW
- Plays MP3 Encoded CDs
- Full Logic Cassette

- with Auto Reverse
- 3-Band Graphic EQ
- Magna Bass EX
- LCD with Spectrum Analyser
- 2ch RCA Line Level Output
- 2ch AUX Input
- 200W (50W x 4)
- 18FM/6AM Presets
- CD Text, CD Titling

G-EQ Pattern



SPE-ANA Pattern



CD/Cassette Loading Slot

Multi-Format Access to Light Up Your Music



DMZ637MP

2-DIN AM/FM CD/MP3/WMA/MD CENTRE

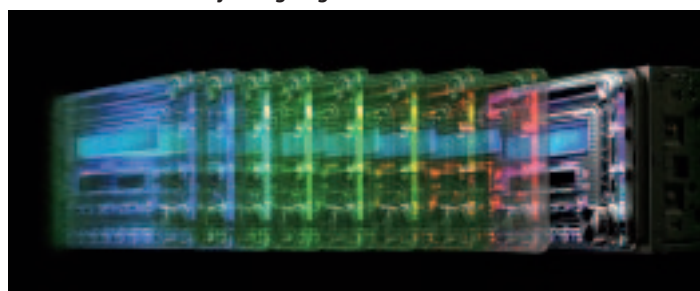
- 728 Variable Colour Acrylic Edge Light
- Plays CD-R & CD-RW
- Plays MP3 and WMA Encoded CDs
- CeNET Control of: Optional TV Tuner, Optional DVD Changer and 6-Disc CD Changer
- CD Text, CD Titling, Station Name Titling
- 2-Band Parametric EQ (Z-Enhancer Plus)
- 2ch RCA Output
- Magna Bass EX

- MDLP Capability
- MD Group Management Function
- 200W (50W x 4)
- 18FM/6AM Presets
- Rotary Volume Control
- Screen Saver with User-Programmable Message Information
- IR Remote Control



Top Performance in Compact 2-DIN Slot Size

728 Variable Colour Acrylic Edge Light



High Performance in Impeccable European Styling



ADZ625
2-DIN AM/FM CD/CASSETTE CENTRE

- Stylish European Design
- CeNET Control of: Optional TV Tuner and 6-Disc CD Changer
- Graphic Equaliser (7-Band)
- Dolby B Noise Reduction
- Full-Logic Tape Transport
- Auto Programme Control (APC)
- 200W (50W x 4)
- 4ch RCA Output
- 18FM/6AM Presets
- Rotary Volume Control
- IR Remote Control

Cruising with Comfortably Classic Design



ADX6655z
2-DIN AM/FM CD/CASSETTE CENTRE

- Comfortably Classic Design
- CeNET Control of: Optional TV Tuner and 6-Disc CD Changer
- Z-Enhancer
- Dolby B Noise Reduction
- Full-Logic Tape Transport
- Auto Programme Control (APC)
- 180W (45W x 4)
- 4ch RCA Output
- 18FM/6AM Presets
- IR Remote Control

Adventurous New Looks to Get You Noticed



ADX5655z
2-DIN AM/FM CD/CASSETTE CENTRE

- CeNET Control of: Optional TV Tuner and 6 Disc CD Changer
- Z-Enhancer
- Dolby B Noise Reduction
- Full-Logic Tape Transport
- Auto Programme Control (APC)
- 180W (45W x 4)
- 4ch RCA Output
- 18FM/6AM Presets
- IR Remote Control



AXZ610

AM/FM CASSETTE CENTRE

- High Performance Radio Cassette Player with CeNET
- Flip-Down Detachable Control Panel
- CeNET Control of: Optional TV Tuner and 6-Disc CD Changer
- 3-Band Parametric EQ (Beat EQ)
- Dolby B Noise Reduction
- Full Logic Tape Transport
- Auto Programme Control (APC)
- Station Name Titling
- 180W (45W x 4)
- 4ch RCA Output
- 2ch AUX Input (Low/Mid/High Selectable)



Flip-Down Control Panel

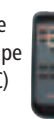
- 18FM/6AM Presets
- Rotary Volume Control
- Aluminium Faceplate
- IR Remote Control
- DCP Carrying Case



AX430

AM/FM CASSETTE CENTRE

- C-BUS CD Changer
- Z-Enhancer
- Full Logic Tape Transport
- Auto Programme Control (APC)
- 200W (50W x 4)
- 2ch RCA Output
- 18FM/6AM Presets
- Rotary Volume Control
- IR Remote Control
- DCP Carrying Case Included



Detachable Control Panel



AX330

AM/FM CASSETTE CENTRE

- C-BUS CD Changer Control
- Z-Enhancer
- Auto Reverse
- Loudness Control
- 160W (40W x 4)
- Rotary Volume Control
- Green Illumination
- 20FM/5AM Presets



AB230

AM/FM CASSETTE CENTRE

- Z-Enhancer
- Auto Reverse
- Loudness Control
- 160W (40W x 4)
- Rotary Volume Control
- Green Illumination
- 20FM/5AM Presets



ARB1970 **NEW**

AM/FM CASSETTE CENTRE

- Detachable Control Panel
- Auto Reverse
- 200W (50W x 4)
- Rotary Volume Control
- Amber Illumination

Sturdy Aluminium Panel with Top-Class Design (AXZ610)

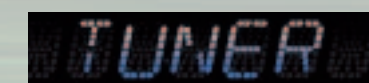
The aluminium extrusion-moulding panel uses top-range components to add a



refined feel to your car's interior. The design is the product of advanced machining technology and surface coating technology. This panel gains its distinctive elegance from its distinctive sharp contour and bright silver tone finish.

3-Colour Gradation LCD (AXZ610)

The display in a car audio system must provide superior visibility while driving and an appearance that blends with the



car's interior. AXZ610 has a 3-colour LCD for the clear and sharp display. This 3-colour gradation LCD features improved visibility and is a full-featured, advanced display that is the perfect fit to your car's interior.

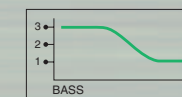
AUX Input Terminals with Sensitivity Selector (AXZ610)

2ch AUX input terminals using gold-plated RCA terminals can set the input sensitivity to one of three levels (0.6 V, 1.2 V, 2.0 V). This allows unaltered playback of the input signal from external components.

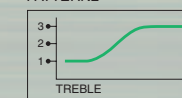
Z-Enhancer

Three types of sound quality patterns can be selected during programming with a single touch of the buttons on the control panel.

PATTERN1



PATTERN2



PATTERN3



Overwhelming Performance Brings Out the True Nature of Sound for a Higher Class of Experience



The top-class HX-D2 brings together all the features demanded of today's main unit, including high-performance functions, high quality parts, body design and materials, for the faithful reproduction of sound. Numerous high-performance features, including 96kHz Sampling D/A Converter, 4-Way Crossover and 5-Band Parametric EQ, let you discover the finest nuances of sound and create a sound taste exactly as you want it. Moreover, the Glass Epoxy 4-Layer Circuit Board and large external power supply unit DC/DC converter deliver stable circuit driving and high quality sound, with a body construction that takes performance into consideration with every detail. This collection of high performance provides car audiophiles looking for the ultimate sound a high-class sound solution.



HX-D2 NEW

AM/FM CD CENTRE/BUILT-IN TIME ALIGNMENT/PARAMETRIC EQ/4-WAY CROSSOVERS

- 96 kHz Sampling DSP
- Burr-Brown 24-Bit D/A Converter
- Plays CD-R & CD-RW
- 4-Way Crossovers(Subwoofer/Low/Mid/High) Built-in

- 5-Band PEQ
- Digital Time Alignment for Each Line Level Output
- 4V/8ch Gold Plated Line Level Outputs (for SW/L/M/H or Front 2-Way/Rear/SW) with 6N OFC Cables
- Copper Plated Chassis
- DC/DC Converter
- CeNET Control of: Optional TV Tuner, DVD Changer and 6-Disc CD Changer
- Multi-Changer Control

- 2 2ch AUX Inputs
- Fibre Optic Input/Output
- Vacuum Florescent Display
- IR Remote Control
- Line Level Output Only (Requires External Amplifier)
- 18FM/6AM Presets
- Ultra Precision Rotary Volume Control
- Zinc Diecast Faceplate



- Clarion High Fidelity CD Player Without Built-in Amplifier
- CeNET Control of 6 Disc CD Changer
- Dual 24-Bit D/A Converter
- CD Text
- HDCD Disc Playback
- High-capacity DC/DC Converter ($\pm 15V$)
- 4 Volt / 4ch RCA Output (Max 9V)
- High Purity OFC Cable
- 2ch AUX Input
- High Visibility Blue-White VF Display
- Copper Plated Chassis
- Optical Input Terminal for connection with DCZ625
- Aluminium Analogue Rotary Volume Control
- 18 FM/6 AM Presets
- FM Diversity



- Clarion Performance CD Player Without Built-in Amplifier
- C-BUS CD Changer Control
- ALPHA Processor*
- Dual 20-Bit D/A Converter
- 4 Volt / 4ch RCA Output (Max 9V)
- High Visibility Blue VF Display
- Copper Plated Chassis
- High S/N Analogue Rotary Volume Control
- 18FM/6AM Presets
- FM Diversity

*The ALPHA processor was developed by Nippon Columbia Co, Ltd.

The HX-D2 Technologies

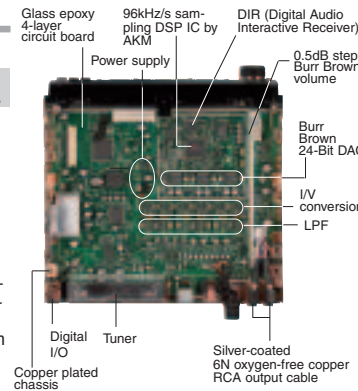
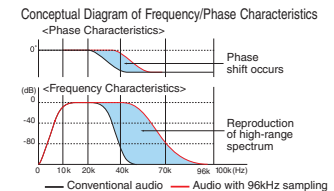
96kHz Sampling D/A Converter

Harmonic elements included in high range add richness and depth to sound.

In the case of CD, digitised sound is sampled at 44.1kHz to enable reproduction up to 20kHz to cover the humanly audible range. Moreover, the ultra-high frequency range above 20kHz was cut by a filter and not produced so that quantisation noise could be shut out. However, as a result of this filter, phase distortion was produced, hindering the high fidelity reproduction of the high frequency range. And ironically, it is in fact the harmonic elements contained in this high frequency range that have a profound effect on the depth and nuance of sound.

96kHz sampling enables reproduction of sounds faithful to the original source.

In order to reproduce the subtle nuances and depth contained in the original sound source, this D/A Converter samples at 96kHz, a rate far surpassing the usual 44.1kHz, to enable reproduction of frequencies as high as 48kHz for the first time in car audio. By broadening the sampling range, it becomes possible to reduce phase distortion in the audible high frequency range, reproducing the fine nuances of musical instruments recorded on CD and delivering the full expressiveness and natural resonance that is inherently present in the sound source.

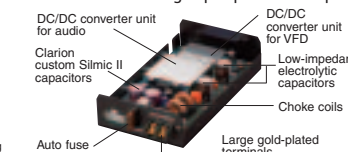


Copper-Plated Chassis Prevents Sound Deterioration

Uses a copper-plated chassis to minimise the generation of spurious electrical current which can adversely affect sections that have a bearing on the signal, as well as noise interception caused by electrical shielding effect.

DC/DC Converter Developed Specifically for Audio

From wiring to fuses and chassis, this external power supply unit was developed specifically for car audio using only the most carefully selected high spec parts. It is capa-



ble of supplying large electrical currents in an instant, and rigorously pursues the exclusion of noise.

High-Sampling Conversion Circuit
The sampling conversion circuit upconverts the digital audio data read from a CD to fs96kHz and applies high-speed interpolation using a DSP by AKM Corporation, converting up to a maximum fs768kHz using a high-sampling compatible 8X FIR digital filter.

Burr Brown Advanced Segment Type 24-Bit D/A Converter

After high sampling the data is processed by an advanced segment type Burr Brown 24-Bit D/A Converter which offers superior dynamic characteristics and is resistant to clock jitter. Higher accuracy D/A conversion is thereby attained.

Silver-Coated SK:6N (99.9999% Oxygen-Free) Copper RCA 8ch Output Cable

Uses silver-coating shielded SK:6N (99.9999% Oxygen-Free) Copper RCA 8ch output cable to send natural, high-quality sound to the power amplifier.

Glass Epoxy 4-Layer Circuit Board

Internal circuitry uses a glass epoxy 4-layer circuit board, with separate exclusive layers for ground and power supply, lowering the impedance for ground and power supply for stable circuit driving and high sound quality.

Display OFF Function

Turns off the display circuits when a CD or other source is being played, preventing pulse noise from the display section from affecting sound quality.

8ch 4-Way Crossover

With MULTIMODE, it's possible to create a multi speaker system with each band (HIGH, MID, LOW, SUBWOOFER) driven by

an exclusive amplifier. The Digital Crossover function lets you make fine and precise adjustments to each frequency range to bring out the full performance of each speaker. And with adjustable settings for cut-off frequency, slope (-6dB, -12dB, -18dB), gain (-24~0dB step), phase (0°/180°), etc. for each band, plus STANDARD MODE (Front high/low + Rear + subwoofer), as well as DIRECT MODE to bypass circuits within the DSP that can affect sound quality, it is possible to precisely adjust the sound as desired directly from the main unit.

World's Finest 0.7cm Step Digital Time Alignment

This function lets you set each speaker in a maximum 8ch system to deliver the same acoustic effects with pinpoint accuracy regardless of the seating position of the listener.

5-Band Parametric EQ

An enthusiast-oriented graphic equaliser that divides the frequency range into 5-band and allows fine adjustment of each individually.

World's First 0.5dB Step Electronic Volume Circuit

By incorporating a Burr Brown volume IC, it achieves fine adjustment in 0.5dB step increments.

- Specially Designed Mechanism Chassis with 3-Layer Coated Nickel Plating
- Fluorescent Display (VFD) for Superior Visibility
- 2 Sets of AUX Input Circuits
- Optical Digital Input enables Optical Cable Connection

CD CHANGERS / PROCESSORS

DCZ625

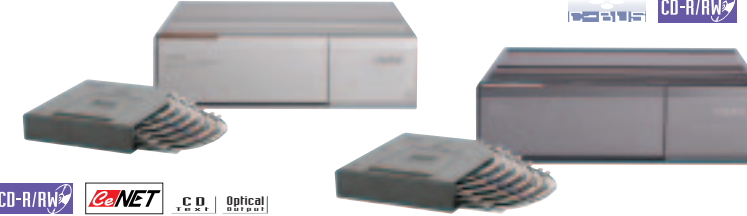
CeNET 6-DISC CD CHANGER

- 6-Disc Magazine
- 8-Times Oversampling Digital Filter
- 1-Bit DAC
- CD Text
- Plays CD-R & CD-RW
- Optical Output Terminal
- CeNET

DC625

C-BUS 6-DISC CD CHANGER

- 6-Disc Magazine
- Plays CD-R & CD-RW
- 8-Times Oversampling Digital Filter
- Horizontal or Vertical Mounting Capability
- C-BUS



FMC250

CD CHANGER CONTROLLER WITH FM MODULATOR

- Disc Select (Up/Down)
- Random Play (Disc/Track)
- Track Music Search
- Last Position Memory
- 7-Seg. Green Colour LCD
- Cable (DIN): 2m
- Input Level Control: 4-Point
- Frequency Select.: 87.7 to 89.9 MHz (0.2MHz-Step 12-Point)
- IR Remote Control

New 1/2-DIN Equaliser with 7 bands of adjustment, and built-in high-pass and low-pass crossovers with subwoofer-level control.

EQS744 NEW

1/2-DIN GRAPHIC EQUALISER/CROSSOVER

- 7-Band Graphic Equaliser
- Selectable Main AUX Inputs
- Subwoofer-Level Control
- Selectable Subwoofer Low Pass Frequency 60 Hz or 90 Hz
- 6ch / 7-Volt RCA Line-Level Output

Multi-channel network offers individual control over three frequency ranges to best match the performance characteristics of your speakers.

MCD360

3-WAY ELECTRONIC CROSSOVER

- 18 dB/oct. Slope
- Front/Rear Subwoofer Level Control
- Built-in Bass EQ
- Subwoofer Remote Control
- Cross Frequency Multiplier
- 2/4/6ch Input / Separate F/R Crossover
- 6ch Output

Clarion Amplifiers, Speakers for 2004...

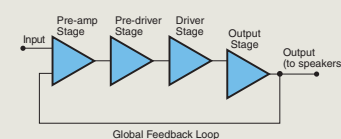
At the summit of car sound, all listener's ideals become reality.

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

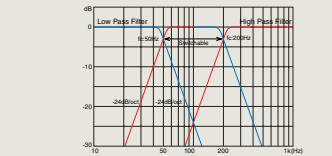
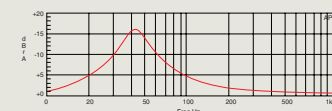
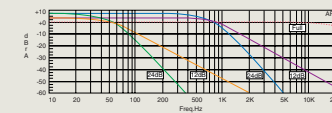
By utilising gold-plated RCA (APA4320/2160/4300HX) and block terminals (APA4320/2160), Clarion's amplifiers offer increased conductivity and low signal loss. Gold has an extremely low electrical resistance and low contact resistance,

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.

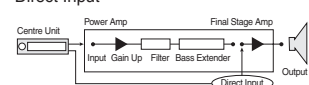
Aluminium Heat Sinks and Forced Cooling Fan

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.

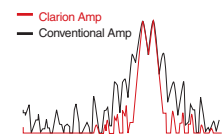
Direct Input



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

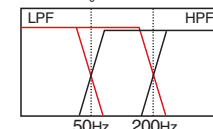
Stay in tune with your amplifier with the APA4300HX's 4-Part digital meter. Monitor your amplifier's real-time power output level and consumption, voltage level and internal temperature.



Low Pass and High Pass Filters

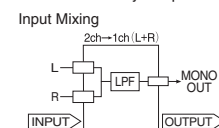
Outfitted with built-in, low pass and high pass filters (-24 dB/oct.), the APA4300HX allows for adjustment in the 50Hz to 200Hz frequency range over all channels. This setup is ideal when operating a system that touts multiple amplifiers and subwoofers.

Low Pass & High Pass Filters



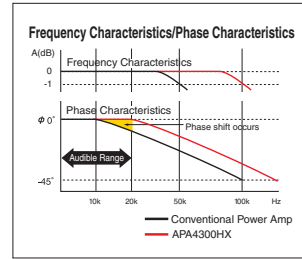
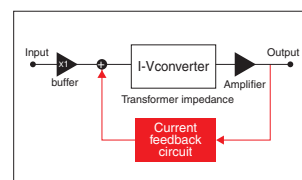
Input Mixing

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

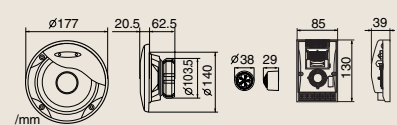
Clarion equips the APA4300HX's power supply with a high-performance, low-loss, MOSFET-based, PWM-type DC/DC converter. The amplifier's circuit structure boasts large-capacity, low impedance capacitors, a large toroidal choke coil, a super thin circuit board and a copper BASS-BAR. The result is a power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

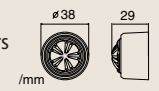


SRH291HX 200W **NEW**

2cm SUPER TWEETERS



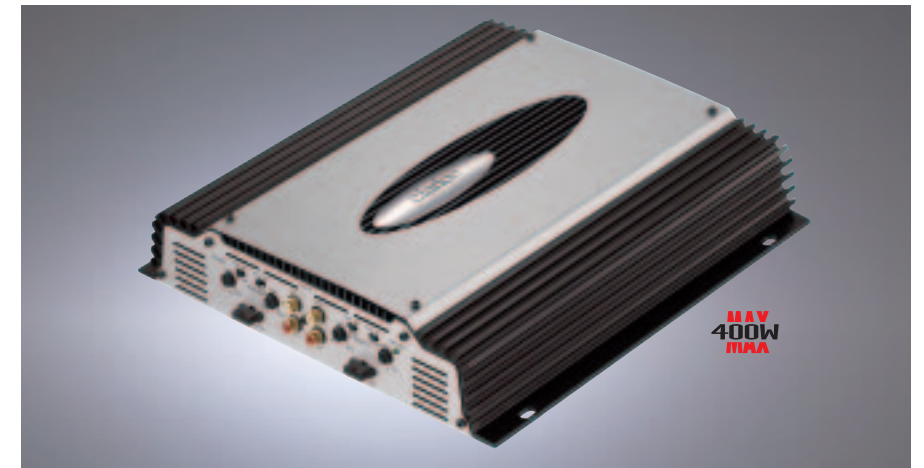
- 2cm Pure Silk Dome Tweeter with Dual-Neodymium Magnet
- 2-Way Mounting Tweeter (Variable Angle Flush Mounting/Surface Mounting)
- Built-in-6 dB/oct. Crossover Network
- Dolby Digital/dts Ready
- Installation Kit Included
- Suitable for installation in many passenger cars
- Music Peak Power 200W
- Frequency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

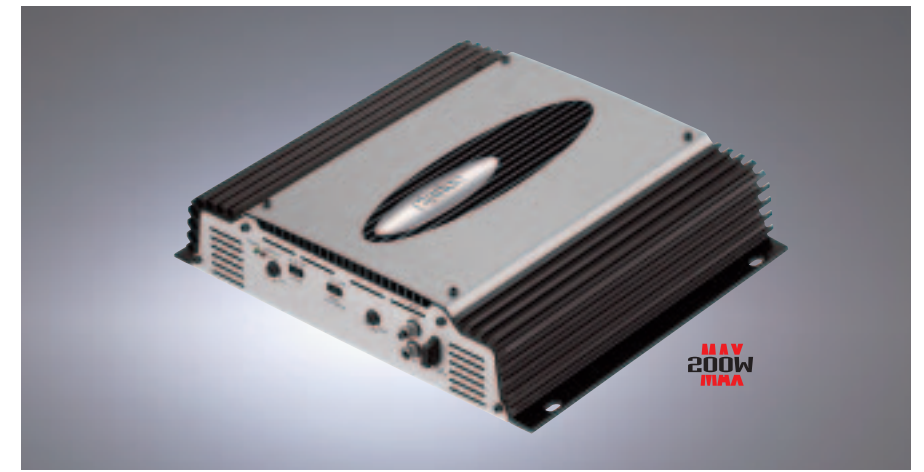
APA2160

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



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



XW1500

XW1500 1200W **NEW**

15-INCH DUAL VOICE COIL SUBWOOFER



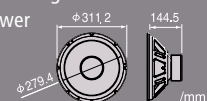
- Polypropylene Woofer Cone with a Special Aluminium Coating
- S.E.T. Spider Exhaust Technology
- Dual 4-Ohm Voice Coil
- Cast Aluminium Basket with Unique Design
- Heat-Resistant TIF Voice Coil
- Rear-Vented Pole Piece
- Inverted Rubber Surround
- Polypropylene Dust Cap with Clarion Embossed Logo
-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



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

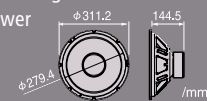


SRW1283

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

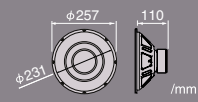


SRW1043

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

SRW1243



PA12-S

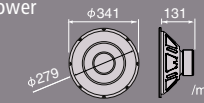


PA15-S

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

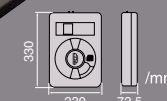


SRV303 **MAX 120W**

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.



2-Way Set-up for Flexible Installation
It is possible to install the subwoofer vertically or horizontally. This flexibility allows easy installation in a variety of vehicle environments.

SRV202 **MAX 120W**

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



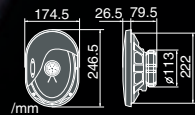
strong bass sounds. Equipped with RCA/speaker level inputs, this subwoofer can be easily integrated using existing speaker connections.

SRR6985 280W NEW

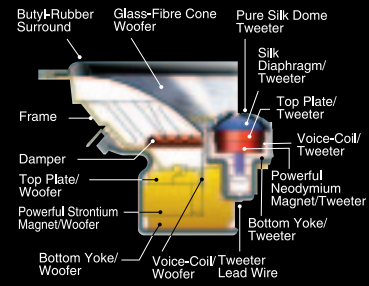
15 X 23cm IN-PHASE COAXIAL 2-WAY SPEAKERS



- 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

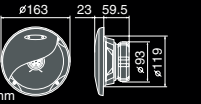


SRR1685 180W NEW

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

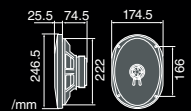
SRX1784

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

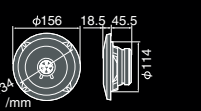


SRX1384 160W

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

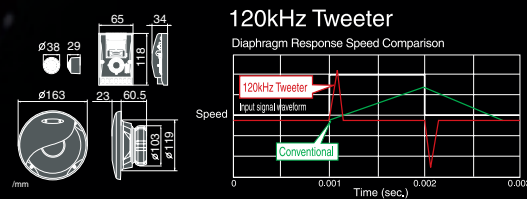


SRS1685 200W NEW

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

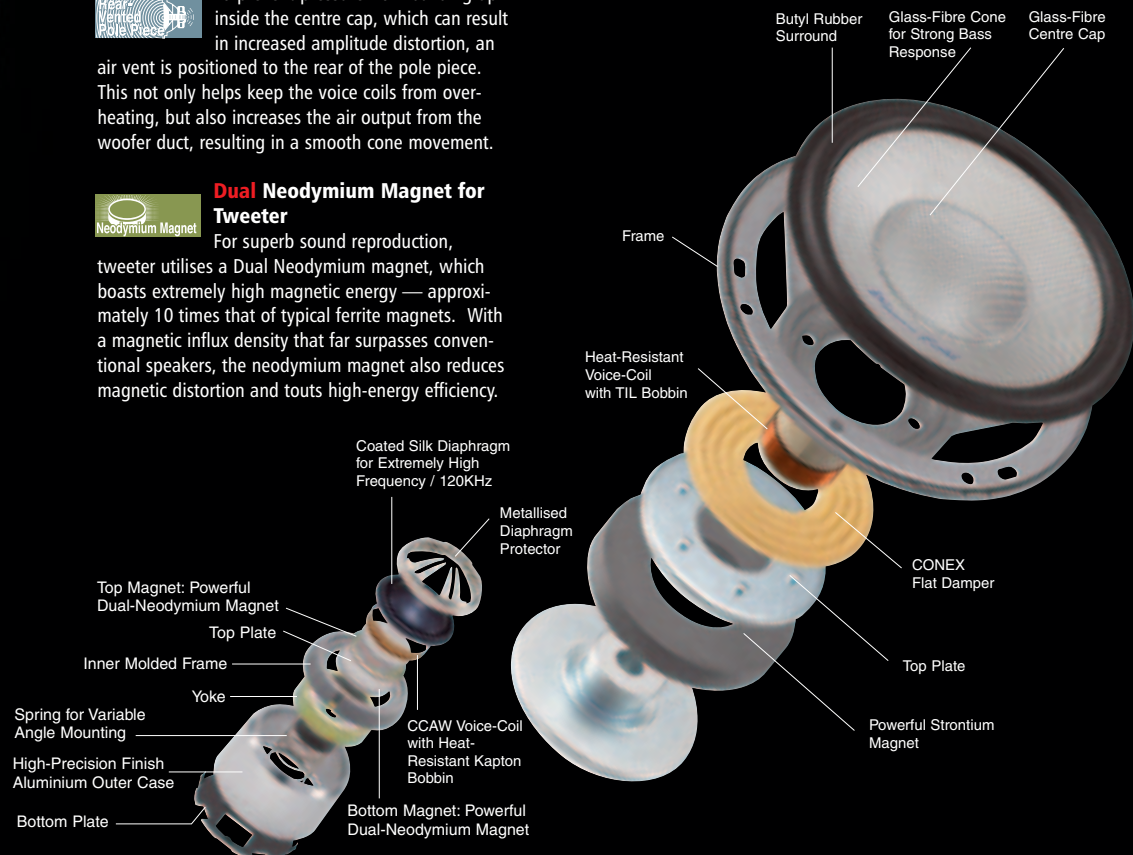


Rear-Vented Pole Piece

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.

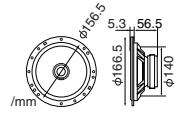


SRC1773 200W

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

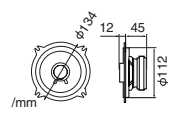


SRC1373 160W

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

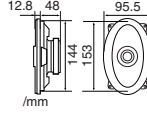


SRC4673 120W

CUSTOM FIT 10 X 13cm COAXIAL 2-WAY SPEAKERS



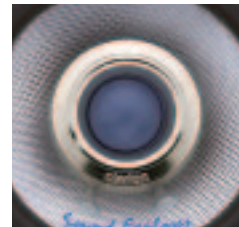
- 10 X 13cm Glass-Fibre Cone Woofer
- 2cm Pure Silk Dome Tweeter with Neodymium Magnet
- Powerful Strontium Magnet
- Super Heat-Resistant Voice Coil and Polyimid Bobbin
- Butyl-Rubber Surround
- Dolby Digital/dts Ready
- 120W Music Peak Power
- **Frequency Response:** 40~80,000 Hz
- **Efficiency:** 91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



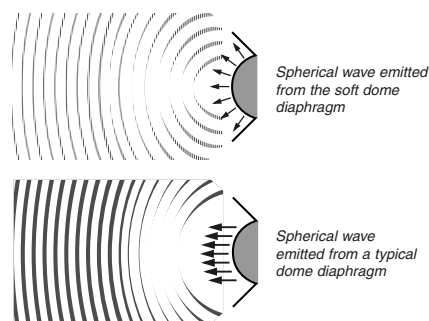
Custom Fit Speakers



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.

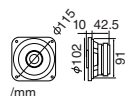


SRC1074 120W

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

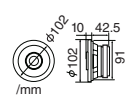


SRC1073 120W

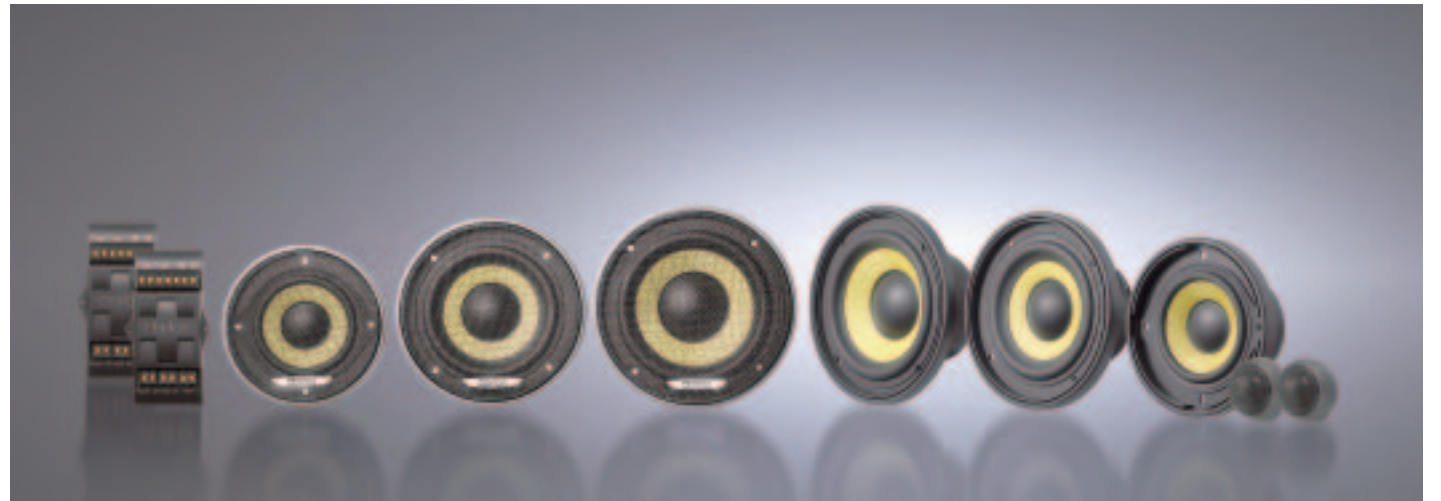
CUSTOM FIT 10cm COAXIAL 2-WAY SPEAKERS



- 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



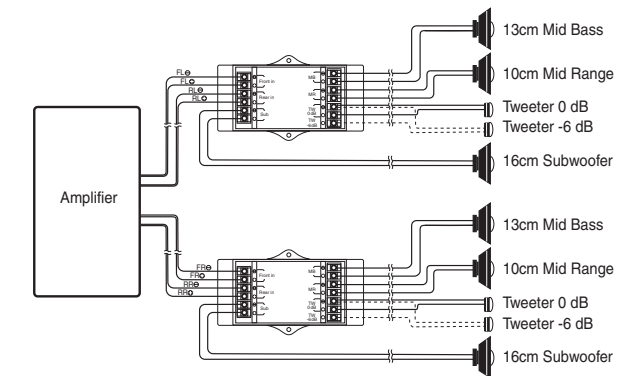
SCM400 160W NEW

4-WAY COMPONENT SPEAKER SYSTEM

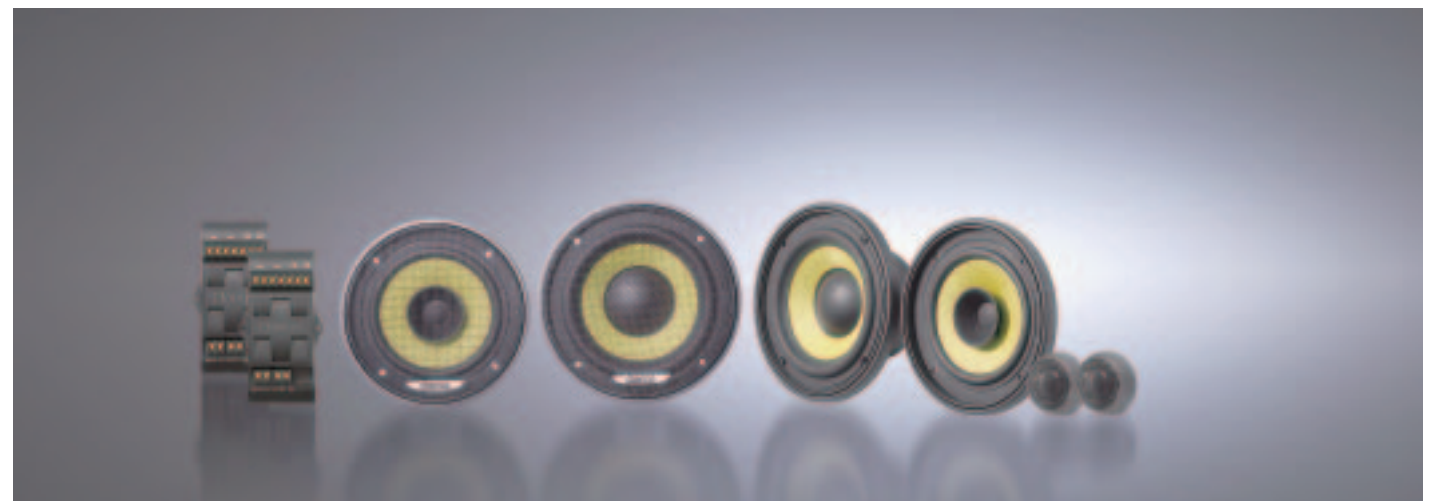
*SCM400 is not available in Australia



- 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



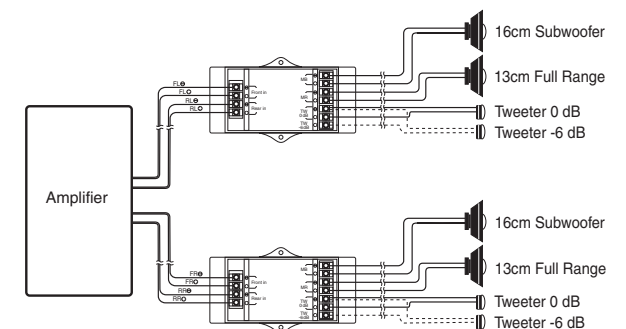
SCM300 160W NEW

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

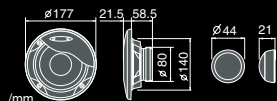


SRS1725 180W NEW

16.5cm 2-WAY COMPONENT SYSTEM

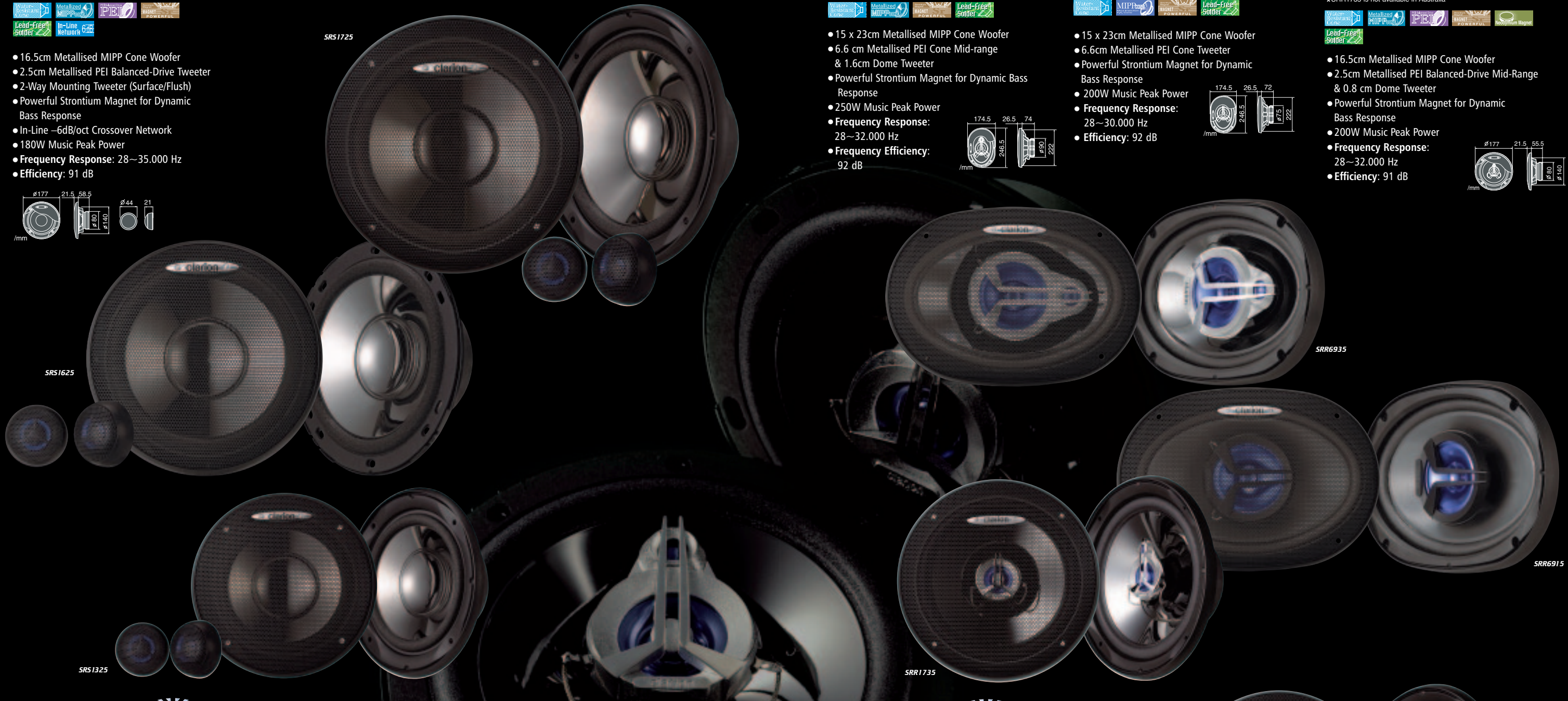


- 16.5cm Metallised MIPP Cone Woofer
- 2.5cm Metallised PEI Balanced-Drive Tweeter
- 2-Way Mounting Tweeter (Surface/Flush)
- Powerful Strontium Magnet for Dynamic Bass Response
- In-Line -6dB/oct Crossover Network
- 180W Music Peak Power
- **Frequency Response:** 28~35.000 Hz
- **Efficiency:** 91 dB



SRS1725

Component System

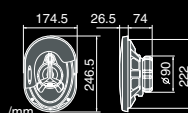


SRR6935 250W NEW

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

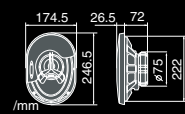


SRR6915 200W NEW

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

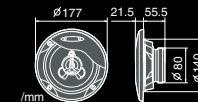


16.5cm MULTIAXIAL 3-WAY SPEAKERS

*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

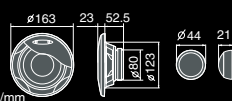


SRS1625 180W NEW

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

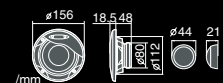


SRS1325 180W NEW

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

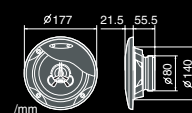


SRR1725 180W NEW

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



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

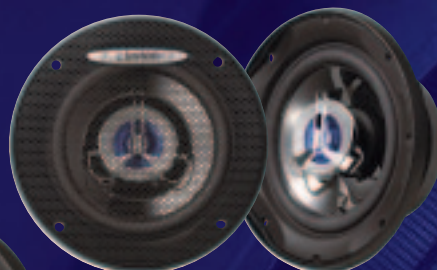
16cm COAXIAL 2-WAY SPEAKERS



- 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



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



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

Custom Fit Speakers



SRC4615



SRH205

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 Paek 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



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



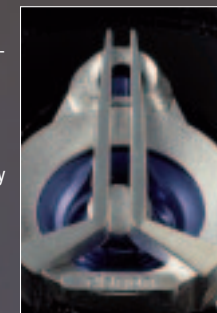
Metallised Mica Injection Polypropylene Cone

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 outfit its Phase1 Balanced Drive tweeters with an integrated PEI diaphragm and voice coil bobbin, which dramatically improves the dynamic range of any sound system.

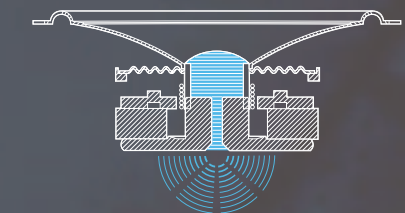


Strontium Magnet

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.



CD Magazines



CAA-397-900
Spare 6-CD Magazine
• For DCZ625, DC625, DCZ625V, VCZ625



CAA-355
Spare 6-CD Magazine
• For CDC655Tz, CDC635

Spare DCP

Visual Model	DCP Number	Visual Model	DCP Number
VRX935VD	DCP-452-800	VRX746VD	DCP-494-800
VRX835	DCP-454-800	VXZ646	DCP-470-800
Audio Model	DCP Number	Audio Model	DCP Number
DXZ935	DCP-432-800	DXZ946MP	DCP-490-800
DXZ835MP	DCP-431-800	DXZ846MC	DCP-471-800
DXZ735MP	DCP-430-800	DXZ746MP	DCP-487-800
DXZ535	DCP-429-800	DXZ646MP	DCP-488-800
DXZ435	DCP-428-800	DXZ546MP	DCP-489-801
DB336MP	DCP-450-800	DB346MP	DCP-472-800
DB335	DCP-444-800	DB246	DCP-473-800
DB235	DCP-445-800		
AX430	DCP-456-800		
AXZ610	DCP-346-600		

Remote Controls



RCB-147-600
Steering Remote Control
• For VRX935VD, VRX746VD, VRX835, VRX610P, DXZ946MP, DXZ846MC, DXZ746MP, DXZ646MP, DXZ546MP, DMZ637MP, ADZ625, ADX6655z, ADX5655z, AXZ610, DB346MP, DB246.



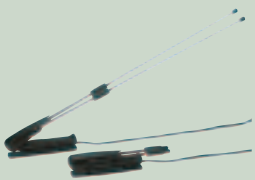
RCB-164
Remote Control
• For VRX935VD, VRX746VD, VRX835, VRX610P, DXZ946MP, DXZ846MC, DXZ746MP, DXZ646MP, DXZ546MP, DMZ637MP, ADZ625, ADX6655z, ADX5655z, AXZ610, DB346MP, DB246.

RCA Transfer Cable




CCA-389
Mini 8-pin (DIN) to RCA Transfer Cable

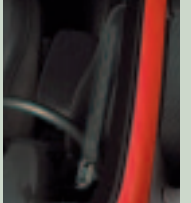
TV Antennas



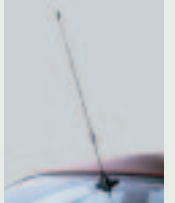
ZCA-404
4-Way Diversity Antenna




ZCB-303
Window-Type 2-Way Diversity Antenna
• Cable length: 4 m



ZCP104
4-Way Amplified Diversity Inside Window Film TV Antenna for TTX7504z/TTX7503z/TTX7501z




ZCP-100
Whip and Window Type 4-Way Diversity Antenna



EA-1060A
Antenna Booster


Optical Cables




DCA-001,002
Optical Cable to Connect HX-D1 and DCZ625
DCA 001: 5 m / DCA 002: 1.5 m

Model No	Terminal Shape		Length
	Out	In	
DCA-005	VRX935VD/VRX746VD/VCZ625 (New)	DVH940 (New)	5 m
DCA-006	DCZ625 (Old)	DVH940 (New)	5 m
DCA-007	VRX935VD/VRX746VD/VCZ625 (New)	DPH910, DVS9755z (Old)	5 m
DCA-008	VRX935VD/VRX746VD/VCZ625 (New)	DVH940 (New)	1.5 m


CeNET Cables



CCA-519
CeNET Branch Cable: 1 m




CCA-520
CeNET Extension Cable: 2.5 m

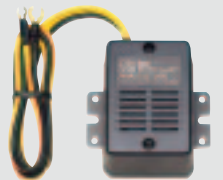


CCA-521
CeNET Extension Cable: 0.6 m


Noise Filters




NSA-131-200
Alternator Noise Filter
• Cuts alternator-induced engine noise. For max. 10A alternators.




NSA-132-200
Alternator Noise Filter
• Cuts alternator-induced engine noise. For max. 30A alternators.



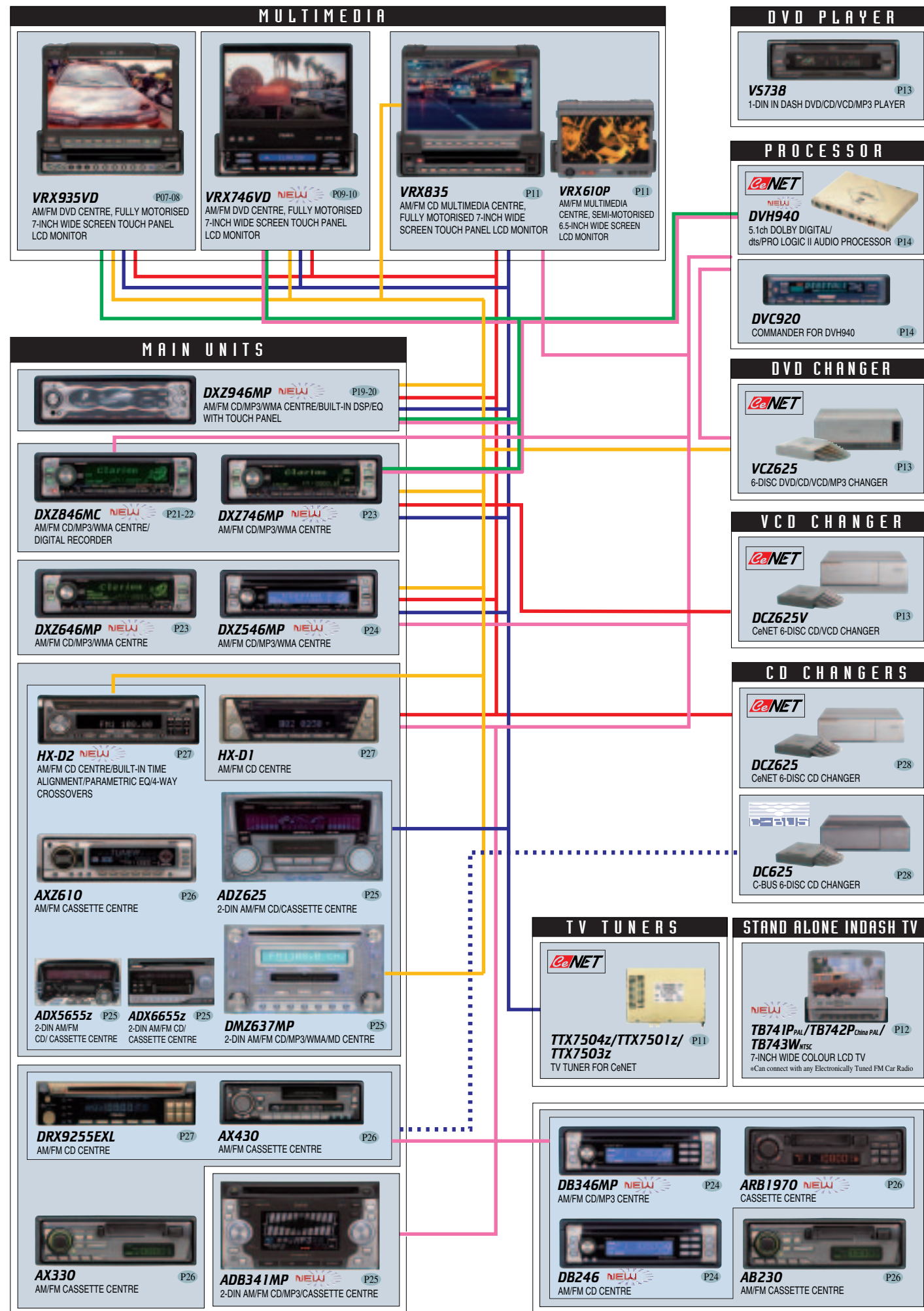
NSA-133-200
Power-Driven Parts Noise Filter
• Eliminates noise caused by electric motors such as wipers, washer or heater.



NSA-134-200
Electric Switching Noise Filter
• Eliminates electric switching noise produced by electric fuel injection systems or when turn indicators or stop lights operate.



NSA-135-200
Ignition Noise Reduction Filter
• Eliminates buzzing or crackling produced by the car ignition.



※ As for connection of VXZ646, please refer to p12.

FEATURE COMPARISON

SPECIFICATIONS

	<i>DXZ946MP</i>	<i>DXZ846MC</i>	<i>DXZ746MP</i>	<i>DXZ646MP</i>	<i>DXZ546MP</i>	<i>DB346MP</i>	<i>DB246</i>	<i>ADB341MP</i>	<i>DMZ637MP</i>	<i>ADZ625</i>	<i>ADX6655Z</i>	<i>ADX5655Z</i>	<i>AXZ610</i>	<i>AX430</i>	<i>AX330</i>	<i>ABZ30</i>	<i>HX-D2</i>	<i>HX-D1</i>	<i>DRX9255EXL</i>	<i>VXZ646</i>		
TUNER																						
Bands	FM3/AM1	FM3/AM1	FM3/AM1	FM3/AM1	FM3/AM1	FM3/AM1	FM3/AM1	FM3/AM1	FM3/AM1	FM3/AM1	FM3/AM1	FM3/AM1	FM3/AM1	FM3/AM1	FM4/AM1	FM4/AM1	FM3/AM1	FM3/AM1	FM3/AM1	FM3/AM1	FM3/AM1	
Number of Presets	18/6	18/6	18/6	18/6	18/6	18/6	18/6	18/6	18/6	18/6	18/6	18/6	18/6	18/6	20/5	20/5	18/6	18/6	18/6	18/6	18/6	
Seek Up/Down Tuning	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Station Title Memory	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Instant Station Recall (ISR)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
CD																						
8-Times Oversampling Digital Filter	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Track Music Search	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Audible FF/BB	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Random Play/Intro Scan/Repeat	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Last Position Memory	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
D/A Converter	24-Bit	1-Bit	24-Bit	1-Bit	1-Bit	1-Bit	1-Bit	1-Bit	1-Bit	1-Bit	1-Bit	1-Bit	1-Bit	1-Bit	1-Bit	1-Bit	DUAL 24-Bit	DUAL 24-Bit	DUAL 20-Bit	24-Bit	24-Bit	
Auto Reload After 15 Seconds	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Eject Capability with Key Off	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Low-Vibration Suspension System	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
3-Beam Laser Tracking System	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Disc Title Memory	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
CD Text	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
0-Bit Detector™ Mute Circuit	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
CD-R/CD-RW Ready	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
MP3/WMA Decoder	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
MD																						
Track Music Search																						
Intro Music Scan																						
Last Position Memory																						
Random Play																						
MDLP																						
CASSETTE																						
Full-Logic Tape Transport																						
Auto Reverse																						
Dolby B Noise Reduction																						
Eject Capability with Key Off																						
Hard Permalloy Head																						
Blank Skip/Scan/Repeat																						
Auto Programme Control (APC)																						
Tape EQ Selector (Metal)																						
AUDIO																						
Rotary Volume Control	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Sound Adjusting System	AC-III	ADF	ADF	Z-EhrPLUS	Z-EhrPLUS	Z-ENHANCER	Z-ENHANCER	PEQ	DSF&PEQ	DSF&EQ	Z-ENHANCER	Z-ENHANCER	BEAT EQ	Z-ENHANCER	Z-ENHANCER	Z-ENHANCER	PEQ&T.Align			Z-EhrPLUS		
Tone Control Bypass	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Loudness Control	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Line Output	6ch	6ch	6ch	6ch	4ch	4ch	2ch	2ch	2ch	4ch	4ch	4ch	4ch	2ch			8ch	4ch	4ch	6ch	6ch	
Non-Fade Output	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
AUX Input	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	RCA4ch	●	●	●	●	
Centre Speaker Output (RCA)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Subwoofer Control	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
4-Volt Line Level Output	6ch		6ch														● (MAX 8V)	● (MAX 9V)	● (MAX 9V)			
Maximum Power Output	53Wx4	53Wx4	53Wx4	52Wx4	50Wx4	50Wx4	50Wx4	50Wx4	50Wx4	50Wx4	45Wx4	45Wx4	45Wx4	50Wx4	40Wx4	40Wx4	—	—	—	—	52Wx4	
DSPEQ																						
Time Alignment Control	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Seat Position Select	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Virtual 5.1 ch System (Dolby Pro Logic II)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Virtual Space Enhancer	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Parametric Equaliser	3-Band	2-Band	2-Band	2-Band	2-Band			3-Band	2-Band								5-Band				2-Band	
Sound Field DSP										BASIC-5	BASIC-5											
Graphic Equaliser											BASIC-4											
High Pass Filter (Front/Rear/Centre)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Low Pass Filter (Subwoofer)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
APPEARANCE																						
Variable Colour Display		80C	728C	80C						728C												
Escutcheon Mechanism	Auto Slope	Auto Slope	Auto Slope	Flip Down				Flip Down					Flip Down									
Contrast Adjustment	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Spectrum Analyser	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Screen Saver	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Double Illumination		Variable	Variable	Variable				Variable													●	
Aluminium Faceplate	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Detachable Control Panel (DCP)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
EXTENSION																						
BUS	CeNET	CeNET	CeNET	CeNET	CeNET					CeNET	CeNET	CeNET	CeNET	CeNET	C-BUS	C-BUS			CeNET	CeNET	C-BUS	CeNET
CeNET TV Tuner Hide-Away Control	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
CeNET DVD Changer Control	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
CeNET dts/AC3 Hide-Away Control	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
CeNET CD Changer Control	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
C-Bus CD Changer Control																					●	
INCLUDED PARTS																						
Remote Control	●	●	●	●	●	●	●	OP	●	●	●	●	●	●	●	●	●	●	●	●	●	
DCP Carrying Case	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	

Multimedia Centres

Model	<i>VRX935VD</i>	<i>VRX746VD</i>	<i>VRX835</i>	<i>VRX610P</i>
Screen Size	7-inch wide	7-inch wide	7-inch wide	6.5-inch wide
Display Type	TN LCD	TN LCD	TN LCD	TN LCD
Drive Principle	TFT active matrix	TFT active matrix	TFT active matrix	TFT active matrix
Number of Pixels	336,960	336,960	336,960	280,800
VCR Video Input	1.0 ± 0.2 Vp-p (input impedance 75 Ω)	1.0 ± 0.2 Vp-p (input impedance 75 Ω)	1.0 ± 0.2 Vp-p (input impedance 75 Ω)	1.0 ± 0.2 Vp-p (input impedance 75 Ω)
VCR Audio Input	130 ± 60 m Vrms	130 ± 60 m Vrms	130 ± 60 m Vrms	—
Power Requirements	DC 14.4 V	DC 14.4 V	DC 14.4 V	DC 14.4 V
Current Consumption (approx.)	4.0 A	4.0 A	4.0 A	4.0 A
Weight	1.9 kg	2.4kg	1.9 kg	1.7 kg
Dimensions (W×H×D) mm	178×50×165	178×50×165	178×50×165	178×50×157
DVD				
Useable Discs	DVD Video Disc	DVD Video Disc		
Frequency Response	20 Hz to 22 kHz (48 kHz)(+1 dB/-1 dB)	20 Hz to 22 kHz (48 kHz)(+1 dB/-1 dB)		
Distortion	0.01 %	0.02 %		
Analogue Output	●			
CD				
Wow/Flutter (WRMS)	Below Measurable Limit	Below Measurable Limit	Below Measurable Limit	
S/N Ratio (dB) 1 kHz			80 dB (1 kHz) IHF-A	
Frequency	20 Hz to 20 kHz (+1 dB/-1 dB)	20 Hz to 20 kHz (+1 dB/-1 dB)		
Dynamic Range (dB) 1 kHz	100 dB	100 dB	80 dB	
Harmonic Distortion (%)	0.01 %	0.02 %	0.02 %	
AUDIO				

SPECIFICATIONS

2-DIN AM/FM CD/Cassette Centres & 2-DIN AM/FM CD/MP3/WMA/MD Centre & 2-DIN AM/FM CD/MP3/Cassette Centre

	Model	ADZ625	ADX5655z	ADX6655z	DMZ637MP	ADB341MP
Tuner	Model	ADZ625	ADX5655z	ADX6655z	DMZ637MP	ADB341MP
	FM : (MHz) 0.05 MHz steps	87.5 ~ 108	87.5 ~ 108	87.5 ~ 108	87.5 ~ 108	87.5 ~ 108
	AM : (kHz) 9 kHz steps	531 ~ 1,629	531 ~ 1,629	531 ~ 1,629	531 ~ 1,629	531 ~ 1,629
Tape	Wow & Flutter	0.06 %	0.06 %	0.06 %		0.06 %
	Signal-To-Noise Ratio					
	Metal Tape, No NR	58 dB	58 dB	58 dB		58 dB
	Metal with Dolby B NR	67 dB	67 dB	67 dB		67 dB
	Frequency Response					
	Metal Tape, 70 μ s	30 – 20,000 Hz	30 – 20,000 Hz	30 – 20,000 Hz		30 – 20,000 Hz
CD	Wow & Flutter (unmeasurable)	Below measurable limit	Below measurable limit	Below measurable limit		Below measurable limit
	Signal-To-Noise Ratio	100 dB	100 dB	100 dB	100 dB	100 dB
	Frequency Response	10 – 20,000 Hz	10 – 20,000 Hz (± 1 dB)	10 – 20,000 Hz (± 1 dB)	10 – 20,000 Hz	10 – 20,000 Hz
	Dynamic Range	95 dB	95 dB	95 dB	95 dB	95 dB
	Harmonic Distortion	0.01 %	0.01 %	0.01 %	0.01 %	0.01 %
Audio	Maximum Power Output	50 W \times 4	45 W \times 4	45 W \times 4	50 W \times 4	50 W \times 4
	Weight	2.6 kg	2.6 kg	2.5 kg	2.6 kg	2.1 kg
General	Dimensions (W \times H \times D) mm	178 \times 100 \times 155	178 \times 100 \times 155	178 \times 100 \times 155	178 \times 100 \times 155	178 \times 100 \times 156.5

Processor

Model	DVH940
Signal-To-Noise Ratio	95 dB (IEC-A, LPF22K)
Distortion	THD+N 0.01 % (LPF22K)
Separation	80 dB (LPF22K)
Input Sensitivity	RCA SENSE: LOW=2V, MD=12V, HIGH=0.6V
Subwoofer Cut Off Frequency	50 Hz, 80 Hz, 120 Hz
Subwoofer Level Control	SP-GAIN, SUB-W \rightarrow ± 10 dB (1dB/step) A-MODE, SUB-W \rightarrow -6 (18 dB) \rightarrow +3 dB (6 dB)
Max. Output Voltage	4 Vrms
Input Impedance	47 k Ω
Output Impedance	300 Ω
Power Requirement	NA
Parametric-EQ Number of Bands	3-BAND \times 3 (Front/Rear/Centre)
Q	1 ~ 20 (5 points)
Equaliser Centre Frequency Range:	
Front & Rear	20, 25, 31.5, 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800, 1k, 1.25k, 1.6k, 2k, 2.5k, 3.15k, 4k, 5k, 6.3k, 8k, 10k, 12.5k, 16k, 20k
Centre	Same as Front/Rear
Subwoofer	NA
Parametric-EQ Boost/Cut Range	± 12 dB
Time Correction Control Range	Centre 0 ~ 5 ms (1 ms/step) Rear 0 ~ 15ms (1 ms/step)
Frequency Response	20 ~ 44,000 Hz (± 1 dB)
Weight	0.95 kg
Dimensions (W \times H \times D) mm	230 \times 25 \times 170

DVD/VCD/CD Changers

	Model	VCZ625	DCZ625V	DC625	DCZ625
DVD/VCD/CD	Wow/Flutter	Below measurable limit	Below measurable limit	Below measurable limit	Below measurable limit
	Signal-To-Noise Ratio	90 dB	105 dB	105 dB	105 dB
	Frequency Response	20 – 20,000 Hz	5 – 20,000 Hz (± 1 dB)	5 – 20,000 Hz (± 1 dB)	5 – 20,000 Hz (± 1 dB)
	Dynamic Range	95 dB	95 dB	95 dB	95 dB
	Harmonic Distortion	0.02 %	0.01 %	0.01 %	0.01 %
General	Weight	2.2 kg	1.7 kg	1.7 kg	1.7 kg
	Dimensions (W \times H \times D) mm	230 \times 83 \times 183	225 \times 63 \times 167	225 \times 63 \times 167	225 \times 63 \times 167

Amplifiers

Model	APA4320	APA2160	APA450	APA250	APA4300HX
Maximum Power Output	640 W	320W	400 W	200 W	600 W
Continuous Average Power Output (4 Ω , 20 Hz – 20,000 Hz @ 0.05 % THD)	320 W (80 W \times 4)	160 W (80 W \times 2)	200 W (50 W \times 4)	100 W (50 W \times 2)	300 W (75 W \times 4)
Typical 2 Ω Stereo @ 0.2 % THD	115 W \times 4	125 W \times 2	100 W \times 4	100 W \times 2	
Typical Bridged Power 1 kHz @ 0.2% THD	230W \times 2	250W \times 1			
Bass Extender Control	0 – 15 dB @ 45 Hz	0 – 15 dB @ 45 Hz			0 – 12 dB @ 40 – 120 Hz
Variable Crossover Frequency	55 – 550 Hz, 12 dB/oct.	55 – 550 Hz, 12 dB/oct.	50 – 250Hz, 12 dB/oct.	50 – 250 Hz, 12 dB/oct.	50 – 200 Hz
Bridgeable Channel Operation	4/3/2	2/1	4/3/2	2/1	4/3/2

Speakers

Model	Water-Resistant Cone	Titanium-Coated Polypropylene Cone / Aluminium-Coated Polypropylene Cone	Metalised MIPP Cone	Mica Polypropylene Mixed Injection Cone
Water-Resistant Cone	Water-resistant cones prevent sound-quality deterioration caused by moisture. Door mounting is possible without further protection.			
Titanium-Coated Polypropylene Cone / Aluminium-Coated Polypropylene Cone		Clarion's high-rigidity, lightweight polypropylene cones have an ideal internal loss for woofers, and by treating these cones with a layer of titanium or aluminium, these speaker cones are able to offer increased rigidity, sharp response and high reliability.		
Metalised MIPP Cone			Injection moulded diaphragms use polypropylene compound with mica particles blended. Metalised MIPP cone provides additional rigidity while maintaining lightness for superior dynamic response.	
Mica Polypropylene Mixed Injection Cone				These injection moulded diaphragms use polypropylene with mica particles blended in, with a molecular structure that radiates from the inside out, to attain the lightness and rigidity necessary to create speakers with superior response even to the fast transients of digital sources.

FEATURE ICONS

Multimedia/Main Units

5.1ch SURROUND SYSTEM
The unit is compatible with Dolby Digital and DTS to support 5.1ch audio. Comprised of five channels (Left, Right, Centre, Rear Left and Rear Right) plus a dedicated low-frequency channel for a subwoofer, this system reproduces the sound of movies and music with "being there" reality.

Dolby Pro Logic II
Dolby Pro Logic II enables superior surround sound and positioning compared to the former version of surround system. More sophisticated decoding process maximises the effect of surround sound from the source encoded with Dolby surround. In addition to that, Dolby Pro Logic II is designed to get 5.1ch sound effect from any 2ch software, which means you can enjoy perfect surround sound even if the software is in conventional stereo recording. "Phantom mode" is also available in which quasi 5.1ch sound field is reproduced from 4speaker system, without centre speaker.

Dolby Digital
The unit is compatible with the DVD Video format so you can watch DVD software in your car.

DTS Control
Units with this logo are designed for connection and complete control of the external Clarion hide-away dts/Dolby Digital & Pro Logic II

2 Zone Entertainment
Function that allows people in the front and back seats to enjoy separate visual or audio entertainment sources.

Music Catcher System
Freely record, play and erase tunes using a built-in memory. It can store up to about 80 tunes (in LP mode) as high quality files.

MP3/WMA
With decoders for both MP3 and WMA (Windows Media Audio), you can play either type of ripped or downloaded audio file. Also supports ID3 Tag for display of metadata information. With digital compression, these formats enable up to 12 hours of music to be fit into a single CD-R/RW while delivering CD-level quality.

CD-R & CD-RW
Capability to playback CD-R/RW audio discs you have recorded at home.

53Wx4 HIGH POWER
High Power
With its powerful amplifier IC, Clarion has significantly raised the power limit in the realm of car audio. This improves dynamics and eliminates distortion across the entire frequency spectrum.

AC-Processor III
Advanced digital sound processing technology including Time Alignment Control to adjust the time delay among speakers, VSE (Virtual Space Enhancer) to digitally correct irregular reflection and polarisation, Parametric EQ to adjust the equalisation of each frequency band independently, and Anti-Distortion Filter to restore lost dynamics in MP3 and WMA files.

Time Alignment Control
Lets you easily adjust the time delay among the speakers to best suit your interior simply by choosing the type of your car (sedan, minivan, etc.).

VSE (Virtual Space Enhancer)
Lets you digitally compensate for irregular reflection, polarisation, and other acoustic problems that may accompany your car's interior.

Parametric EQ
Lets you adjust the equalisation of each frequency band independently for the front, centre, and rear speakers.

Anti-Distortion Filter
Eliminates phase distortion in high and low frequencies and emphasises the natural frequency characteristics of the sound, for natural flat response and clear details.

Low Pass and High Pass Filters
A filter that passes signals below a cut-off frequency (LPF) or above a cut-off frequency (HPF), used to optimise the signal for high or low frequency reproduction.

Z-Enhancer Plus
Powerful bass and a fresh, crystal-clear treble. Adjustment for 3 different sound settings can be made in easy steps.

Z-Enhancer
Three types of sound quality patterns are pre-set for easy selection. Boost adjustable by the user.

Magna Bass EX
Boosts the bass range in the vicinity of 50 Hz by nearly 10 dB, so the bass comes through loud and clear even if you're listening at low volume.

24-bit D/A Converter
Clarion's D/A converter requantises the 16-bit data from CDs into 24-bit data for the delicate representation of rich musical tones.

Loop Back Circuit
Allows the built-in amplifier to amplify the signal from an external unit. Possible to connect the DVH940 for 5.1ch surround to enjoy DSP sound without an external amplifier.

Rotary Volume Control
Adjusting the volume is easily done since you do not need to take your eyes off the road when turning the knob, thus ensuring safety while driving. The rotary control also has a retractable feature found on some models with RRC symbol which allows you to retract the button when the system is not in use.

Aluminium Face
Face panel is made of 2 mm thick, pure aluminium injected by Clarion's technology. The luxurious appearance gives a refined touch to your car interior.

Variable Colour Display
This LCD lets you mix RGB (Red / Green / Blue) levels to create the background colour (DXZ746MP :728 colours, DXZ846MC, DXZ646MP :80 colours). The control buttons on the faceplate automatically change colours to match the

Optimedia Display
Innovative GUI offers remarkably detailed graphics with its 16-gradation full-dot LCD. You can even drag and drop the function buttons to customise the display just the way you like it.

Touch Panel Operation
The viewscreen is touch-sensitive and displays buttons and icons on-screen, enabling touch panel control of all major system functions including audio, radio, changer control as well as 5.1ch surround sound settings.

CeNET
CeNET is a high-speed network for complete control of your car multimedia system. With CeNET, you can control components over a single network and easily add new functionality to your car multimedia system by simply connecting CeNET-compatible components.

Auto Dimmer
Automatically dims the displays brightness when the headlights are turned on so that the display is not a distraction during night time driving.

Message Information
On select Main Units, you can display your own customised messages up to 30-characters. Messages are displayed when the unit is turned on or off.

Subwoofer Control
All main units have a dedicated subwoofer level control to give your system's bass performance. This even includes a low-pass crossover which, when selected (50Hz/80Hz/120Hz selectable), turns the rear channel RCA line level outputs into dedicated subwoofer outputs.

Audio 2 Zone
Lets you divide your in-car entertainment into 2 discrete zones, so the people up front can be listening to the radio while those on the back seat watch a movie on DVD.

Beat EQ
Unlike conventional tone control which can adjust bass and treble only, Beat EQ features three-band parametric equaliser which can control treble, middle and bass separately. Also, three pre-programmed patterns are prepared for easy setting (BASS BOOST, IMPACT and EXCITE).

RGB
The touch panel recognises RGB signals only. Combined with a navigation system, an RGB-signal compatible monitor delivers superior image quality.

4V/6ch OUTPUT
All units with this logo have audio outputs for external amplifiers. Some units with 4V output logo have high 4V audio output for high-quality sound. In addition, some Clarion units have Non-fade output for Subwoofer, and also selectable Loop Back Circuit for hide-away dts / Dolby Digital & Dolby Pro Logic II Decoders DVH940.

4ch OUTPUT
All units with this logo have audio outputs for external amplifiers. Some units with 4V output logo have high 4V audio output for high-quality sound. In addition, some Clarion units have Non-fade output for Subwoofer, and also selectable Loop Back Circuit for hide-away dts / Dolby Digital & Dolby Pro Logic II Decoders DVH940.

2ch OUTPUT
All units with this logo have audio outputs for external amplifiers. Some units with 4V output logo have high 4V audio output for high-quality sound. In addition, some Clarion units have Non-fade output for Subwoofer, and also selectable Loop Back Circuit for hide-away dts / Dolby Digital & Dolby Pro Logic II Decoders DVH940.

CD Text
When a CD Text compatible CD is played, the artist name and tracks recorded on the CD are shown on the LCD screen.

Detachable Control Panel
To prevent theft and damage to your car entertainment system, the control panel can be detached from the unit and taken with you when leaving the car.

AUX Input
Accepts input signal from external unit.

TV Tuner Control
Unit with this logo can be connected with hide-away TV Tuners such as TTX7504z/7501z/7503z.

DVD Easy Control
DVD Easy Control, coupled with CeNET components, allows the following possibilities: • Scene / Title FF / PB / Play / Pause • Volume control: General / Centre / Sub-woofer • Audio muting • Balance and Fader control

CD Changer Control
A 6-disc CD changer can be controlled from the main unit.

5.1ch Decoder Control
Allows direct control of all functions on DVH940 5.1ch Digital Surround Processor.

VCD Compatibility
VCD can be played back on the unit.

RDS (Radio Data System)
Clarion's expanded RDS receiver offers all basic reception functions with efficient switching to other broadcast frequencies when the signal deteriorates or for programme interruptions by traffic announcements or PTY switching. This enables station search for specific programme types (e.g. news and music styles). EON (Enhanced Other Networks) is a useful further development of the Radio Data System. This function switches to important announcements, even when they are being transmitted by another station.