

# Clarion®

2003-2004

## MP3 ID3 Tag

Having been created as a format pertaining to data compression, MP3 originally was unable to store information other than the essential data necessary for playback. ID Tag was developed to allow supplementary information such as artist name and album name to be added to the MP3 data. Most common is v1. x which adds 128 bytes of text data through the suffix of an MP3 file. It can include up to 30 characters for song title, 30 characters for artist name, 30 characters for album name, 4 characters for year of release, 30 characters for comments, and 1 byte for genre (since it is expressed as a number).

<b>MPEG1 (ISO/IEC 11172-3)</b>	Fs: 32 kHz, 44.1 kHz, 48 kHz BitRate: 64/80/96/112/128/160/192/224/256/320 kbps ※1 VBR: ※4, ※5
<b>MPEG2 (ISO/IEC 13818-3)</b>	Fs: 16 kHz, 22.05 kHz, 24 kHz BitRate: 40/48/56/64/80/96/112/128/144/160 kbps ※1 VBR: ※4, ※5
<b>Channel Mode</b>	Joint Stereo, Stereo, Mono ※3
<b>Folder structure</b>	FLAT
<b>No. of folders/files</b>	254
<b>No. of characters for folder/file display</b>	254

- ※1. For acceptable sound quality, a bit rate of 112 kbps or higher is recommended.
- ※2. Depending on the encoder you use, noise may occur at the beginning or end of the tune.
- ※3. Playable channel modes are joint stereo, stereo, and mono.
- ※4. Recommended bit rate for VBR is 64 kbps—320 kbps
- ※5. For tunes recorded using VBR, the displayed track time may differ slightly from the actual length.

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
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# Clarion®

Distributor

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• dts is a trademark of Digital Theatre Systems, Inc.  
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# Clarion Car Multimedia & Audio

## Be Heard, Be Seen

Sound waves stimulate the molecules of air, dancing against your eardrums, permeating your entire body. Visuals become shimmering photons, flashing images onto your retina, telling stories that move the soul. The car multimedia environment is where you, as well as all those confined to the space of your car interior, can experience a totally new world of audio-visual entertainment — and expand your senses beyond physical dimensions. Clarion's new line of car multimedia units and systems bring to you this futuristic environment. Capable of exciting your senses unlike anything you've heard or seen before. The car multimedia of tomorrow unfolds now before your very eyes, driven by Clarion's innovative insight, born of Clarion's cutting-edge technology.

be heard  
be seen



VRX835



VRX935VD



TB731P

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Clarion puts your car at the forefront of information technology.

Clarion is developing next-generation car-based communication terminals able to access an array of IT services. True to its role as a leader in the automotive IT field, Clarion is ranging far beyond car navigation systems to pioneer new product categories such as Car Digital Assistants.



# The Ultimate Multimedia Experience

## Multimedia Technical Highlights

If you want an impressive high-resolution screen that folds out of the dash as smooth as you please, Clarion is your choice. Be surrounded by theatre-quality, 5.1-ch audio while watching the latest DVDs. Clarion technology provides the best possible listening pleasure. See and feel the excitement.

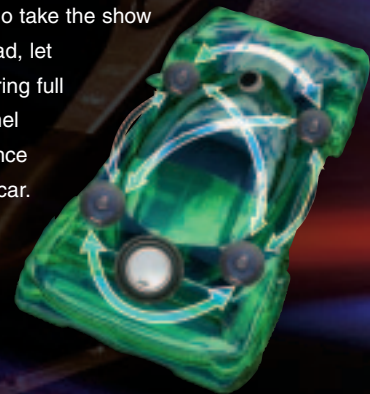
### Surround Sound Technologies

#### ● 5.1 Channel Dolby Digital/dts Surround



Dolby Digital and dts provide true surround sound excitement in your vehicle. 3 channels in front (left, right and centre) and 2 in rear (right and left) provide the spaciousness that is incomparable to a 2 channel system.

The additional .1, which means a subwoofer, finishes off the complete system. So take the show on the road, let Clarion bring full 5.1 channel performance into your car.



#### ● Dolby Pro Logic II

Clarion is one of the first to bring this innovation to the road. While 5.1-ch sound reproduction is totally dependent on software, this means you simply would need 5.1-ch encoded (Dolby Digital or dts) discs, which are not likely to be available from most music sources (CD, MP3 and FM Radio), since they are in stereo (i.e. 2 channel). Dolby Pro Logic II can create a 5.1-ch sound effect from any stereo source. Dolby Pro Logic II also has a phantom mode that let you create a phantom centre speaker so that you can enjoy a pseudo 5.1-ch sound field from the four standard speakers in your car.



### Expandability

#### ● CeNET Technology

**CeNET** is an advanced network system for your vehicle. This system allows you to connect and control all CeNET capable products including DVD Changer, CD Changer, and even TV Tuner. Thanks to CeNET, all DVD/CD titles, TV tuner stations, can be displayed on main units and be controlled. This technology offers a true "Plug & Play" capability. You can add CeNET components anytime with ease of installation. CeNET also utilises "Balanced Line" signal transfer, often seen to in professional audio studio equipment; make a "No Noise" transfer of music signal possible.

#### ● 3 Zone Entertainment

Let you divide your in-car entertainment into 3 discrete zones, so the people up front can be listening to the radio while those on the back seat watch a movie on DVD. A perfect solution for long drives; no more "are we there yet?"

#### ● Additional Video Input & Output

Get more than entertainment from your Clarion video system. With extra video inputs, you can add a DVD player, VCR or Rear View Camera. Clarion offers a comprehensive line of multimedia components, Rear View Camera, Overhead Monitors and Headrest Monitors. Clarion also offers a

"Source Commander" A/V Switcher and Wireless Headphones to get the entertainment precisely delivered to the passenger who wants it.

#### ● Loop-Back Capability

The VRX935VD, VRX835 and DXZ835MP have a Loop-Back function that let you run the audio signal out of the source unit into the DVH920 surround processor. The signal can be fed back into the source unit to be amplified by its high-quality, high-powered 4 x 53 W (VRX835 : 4 x 48 W) channel internal amplifier and sent to the speakers. By connecting a centre channel output to our new centre speaker SRK5 or SRK602 and powered subwoofer SRV202 or SRV303, you can make full 5.1-ch system without any external amplifier.

#### ● Sub Display for Closed Position



Multimedia main units have LCD panels on top of the screen housing, showing song information when the screen is retracted, keeping you in control of your music.

#### ● Partial DCP



The control button section can be detached with a release button for your protection against theft. On the VRX935VD, the screen automatically closes when you detach the face panel and opens again when the faceplate is placed back on.

### Video Performance

#### ● High-Resolution LCD Screen

All Clarion LCD screens provide brightness and sharpness beyond the industry standards. High pixel counts with low-reflecting screen coating permits even tiny letters to be easily seen. The wide viewing angle is another Clarion advantage. See the difference for yourself.

#### ● Various Wall Papers and Motion Patterns



With VRX935VD and VRX835, you can select your favourite wallpapers and motion patterns for the display panel based on your car's interior, the music being played, fashion of the day or simply according to your mood.

### Design and Interface

#### ● Fully Motorised Screen



VRX935VD, VRX835 and TB731P series feature a large 7-inch monitor with a fully motorised

mechanism that opens and closes at a touch of a button. Once the monitor panel is opened, you can move it either forward or backward to one of three positions adapting to the shape of your car's dashboard. The tilt angle can also be adjusted to one of five positions for maximum visibility, minimise reflections and glare. The monitor will remember the setting when used next time.

#### ● Touch Panel Operation



In VRX935VD and VRX835, you can enjoy touch screen control of all major functions such as radio, DVD/CD

Changer, TV and even 5.1-ch surround sound setting (only available in VRX935VD). The settings can be adjusted by simply touching the unique Honeycomb Shaped Touch Buttons on the screen! It's so easy.....who said high tech has to be difficult.



# The Cutting-Edge Technologies to Please Your Ears

## Main Unit Technical Highlights

Clarion main units are designed to achieve only one thing...to let you hear your music the way you want to hear it. From 24-bit D/A converters to MP3 and WMA playback capabilities, these units pack the power and features to do the job. Turn up the bass. Blast the treble. Clarion products will exceed your expectations.

### Sound Quality

#### ● 24-bit D/A Converter

24-bit D/A converter delivers a sonic experience that is beyond CD quality. 16-bit audio signal from CD is re-quantified for an expanded dynamic range and clearer reproduction of subtle nuances that add richness and spaciousness to the sound.

#### ● AC-Processor II in the DXZ935

Let you enjoy 5.1-ch surround sound with 2 channel sources including DVD, CD and FM. Pseudo 5.1-ch surround using 4 speakers is also available.

#### ● Time Alignment Control

Let you easily adjust the time delay among the speakers to best suit your vehicle type. Simply choose from available options, such as sedan, minivan, etc.

#### ● VSE (Virtual Space Enhancer)

Let you digitally correct irregular reflection, polarisation and other acoustic problems that may accompany your car's interior.

#### ● Parametric EQ

Let you adjust the equalisation of each frequency band independently for front and rear speakers.

#### ● Z-Enhancer Plus

Provides ease of operation for correction of low and high frequencies with "TWO PARAMETRIC" settings. In addition, three preset EQ settings are available.

#### ● Z-Enhancer

Three types of sound quality patterns are pre-programmed for easy selection. Select from bass only, treble only or both.

#### ● Magna Bass EX

Boost the bass range at low volume. Magna Bass EX reduces the bass boost effect automatically at higher volumes. The volume dependent control lets you enjoy the bass effect without on/off function.

#### ● Beat EQ

Let you optimise the sound characteristics of your music to suit your vehicle's interior with three parametric settings for low, mid and high frequency ranges. This technology provides a level of control not possible with conventional Bass and Treble controls.

### Audio Features

#### ● WMA /MP3 Decoder

WMA (Windows Media Audio) encoding has a higher compression rate than that of comparable MP3 compression, permitting more music to be recorded on a CD-R or CD-RW without a loss of fidelity. Clarion's MP3/WMA Players support ID3/WMA Tags and display Album Title, Track Title, and Artist Name. Furthermore, DXZ835MP and DXZ735MP can playback the "Play List" that you set up in your PC. (Support file extension: ".m3u", ".asx")

#### ● MP3 Decoder

The MP3 decoder enables direct playback of CD-R/RW containing MP3 files so you can enjoy continuous playback of up to about 12 hours on a single disc.

### Design and Interface

#### ● Front Panel Subwoofer Control

Main units (DXZ835MP/DXZ735MP/DXZ535/DXZ435) have a dedicated Subwoofer Level Control lever on the front panel. This allows instant subwoofer adjustment and more control over your system. Included with the Subwoofer Control is a built-in low pass crossover with selectable frequencies at 50Hz, 80Hz or 120Hz. When the crossover is

selected, rear channel RCA line level outputs become dedicated subwoofer outputs, directly controlled by the Front Panel Subwoofer Control lever.

#### ● Dual Action Design (DXZ935)

You won't lose control while you load and eject discs. That's because the front panel doesn't simply flip down out of the way, it comes out and slides down in a smooth, motorised motion, so you can continue to access its control buttons.

#### ● Retractable Rotary Volume Control

Much more ergonomic and intuitive than buttons, this control lets you adjust the volume with analogue type flexibility. It helps you keep your eyes on the road while keeping your ears entertained.

#### ● Multi colour Display

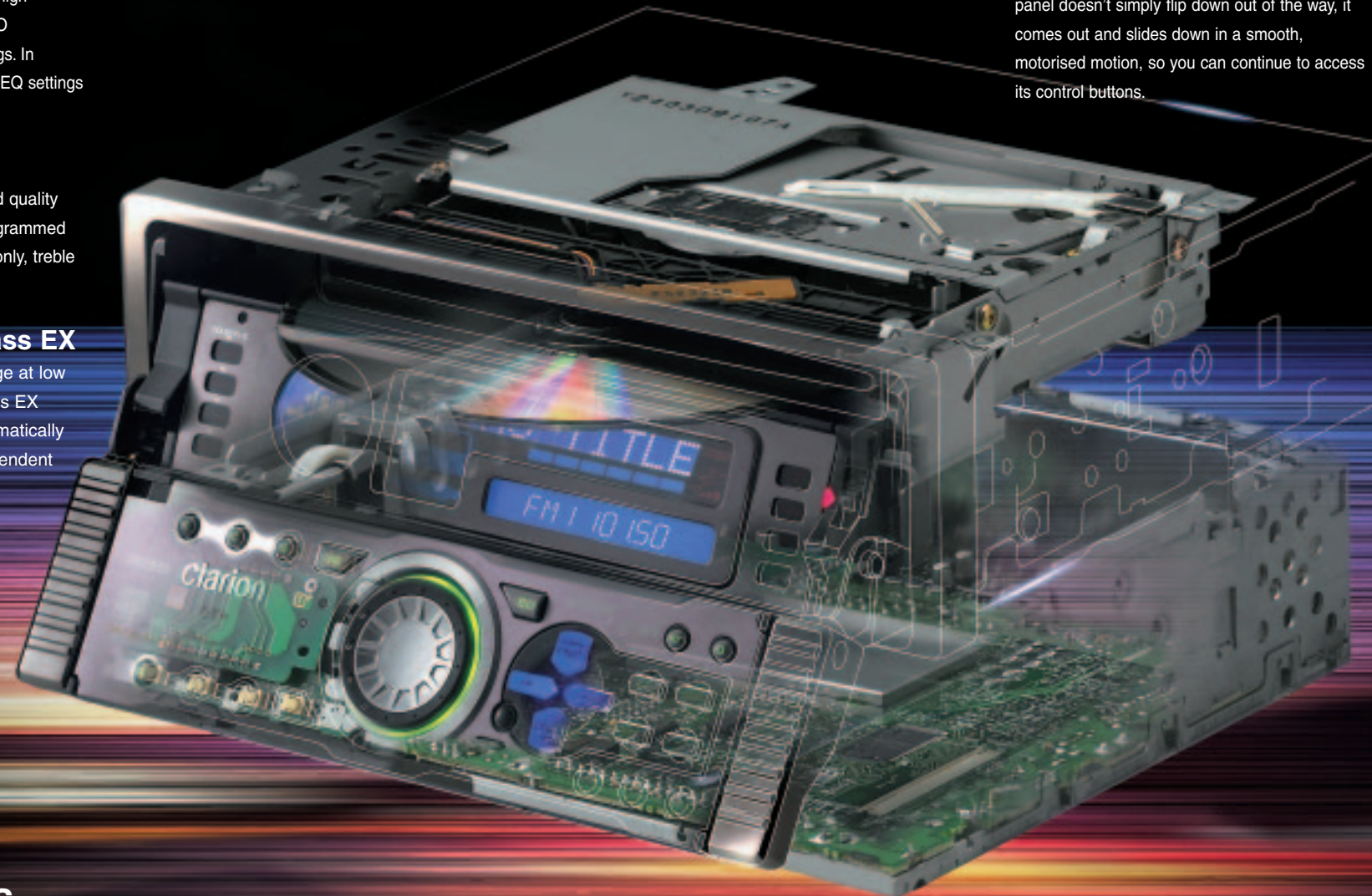
Our main units (DXZ835MP, DXZ735MP, DXZ535, DMZ637MP) have adjustable multiple colour displays, which can be customised according to your liking. Not only the display colours, but also the illumination of control buttons change to match the display! You can select from 728 colour steps (DXZ835MP, DMZ637MP) or 80 colour. On DXZ835MP you can even changes the LCD background to positive or negative.

#### ● Brilliantly Modern

The DMZ637MP is an exciting new face on the automotive scene. Featuring a sleek edged illuminated acrylic front panel that exudes a sense of cool urban styling, with a 728 variable colour display, it adds a brilliant new dimension to your dash. Looks, as crystalline as its sound. Expressive, both in terms of visual presence and audio performance. And offering the multi-media versatility that will keep you entertained throughout every track of your journey.

#### ● Message Information

Clarion main units, you can display your own customised messages up to 30-characters. Messages are displayed when the unit is turned on or off.



#### ● CD-R/CD-RW Playback

Clarion CD Players with this feature mark 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.

#### ● Main Unit Dual Zone (DXZ735MP)

You can select separate audio zones for front and rear seat

passengers. The front zone is the main units regular front and rear channel, while the rear zone is a dedicated RCA line level output for use with wireless headphones.

For instance, front zone can be either the built-in AM/FM Tuner, CD player or while the rear zone can



Internal Sources	External Sources (CeNET)			
	DVD Changer	CD Changer	AUX Input	TV Tuner
CD	YES	YES	YES	YES
AM/FM	YES	YES	YES	NO

#### ● High-Power Output

With powerful amplification at the main unit, you can enjoy a high-powered audio experience even without external amplifiers.

**4x53W**  
HIGH POWER



# Multimedia In The Fast Lane

We offer everything you need to bring the cinema to your car, including Dolby Digital/dts, and Dolby Pro Logic II 5.1 channel surround. Our main units with fully motorised touch panel LCD display keep you entertained and provide a cool graphical human-machine interface. They also emphasise safety, so drivers can operate the units and enjoy the results while keeping their eyes on the road. Then there's a full selection of rear seat entertainment units, with smart 3 zone control to get the entertainment to the exact passenger who wants it. For what's new in car multimedia, look for the Clarion onramp. We'll get you there in style.

## Total 5.1 Channel Entertainment for Your Car

Put a 5.1 channel DVD "home cinema" right in your car. Dolby Digital and dts provide three channels of front sound (Left, Right, Centre), together with two rear surround sound channels (Left, Right) and a dedicated low-frequency channel for a subwoofer. This combination is able to reproduce a cinematic sound field, so you can take the show on the road, "anywhere, anytime". And on the way, you'll be able to keep everybody satisfied with 3 Zone Entertainment that let you divide your in-car entertainment into 3 discrete zones, so the people up front can listen to the radio while those on the back seat watch a movie on DVD. Clarion's Overhead Monitors, Headrest Monitors and Wireless Headphones make it easy to share the entertainment with rear seat passengers. A perfect solution for long drives; no more "are we there yet?"

### Complete Line-up of Clarion Multimedia Products

#### 1-DIN In-Dash 7-Inch Fully Motorised LCD Monitor with DVD Player

A full featured in-dash multimedia unit with touch panel control of all main operating features. Enjoy playback of AM/FM, DVD, CD, VCD and MP3 formats. Add a DVD or CD Changer, TV Tuner and a 5.1-ch surround processor for a full in-car surround system.



VRX935VD

#### 1-DIN In-Dash 7-Inch Colour TV

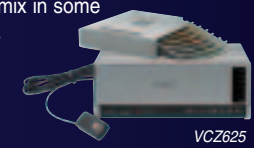
This colour monitor brings TV viewing into your car, with a smooth motorised motion and a small 1-DIN space requirement. It's also the ideal companion for a separate DVD Player or any video sources.



TB731P

#### 6 Disc DVD/VCD Changer

Load up the entertainment for the long haul. Clarion's new DVD/VCD Changer accepts 6 discs, so you can keep your passengers smiling with up to 6 movies, or mix in some of your favourite CDs or MP3's for a change of pace.



VCZ625

#### 1-DIN In-Dash 7-Inch Fully Motorised LCD Monitor with CD Player

Includes an AM/FM tuner, 2 AUX A/V inputs, touch panel control, and multiple DVD changer control.



VRX835

#### Comprehensive Rear Entertainment Line-up

Clarion's Overhead Monitors, installed in the ceiling, will allow rear seat passengers to enjoy visual entertainment without taking up precious space. The Headrest Monitors will let rear seat passengers enjoy visual entertainment in the most natural viewing position. Or, with a Monitor Stand, it will be possible to place the screen on an arm rest or other part of the car, increasing viewing possibilities. Clarion also offers a "Source Commander" A/V switcher and Wireless Headphones to get the entertainment precisely to the passenger who wants it.

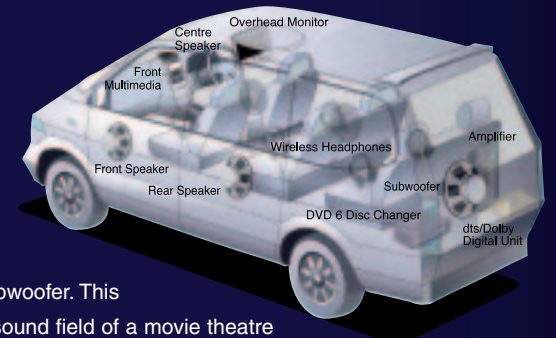


OHM820

### 5.1 Channel Dolby Digital/dts Surround

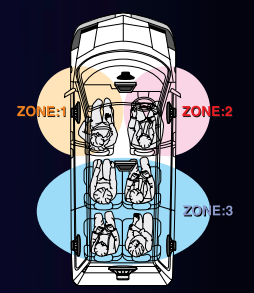


Dolby Digital and dts provide three channels of front sound (Left, Right, Centre), together with two rear surround sound audio channels (Left, Right) and a dedicated low-frequency channel for a subwoofer. This combination can reproduce the dynamic sound field of a movie theatre in a relatively small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



### 3 Zone Entertainment

Not everybody likes to watch or listen to the same thing, so Clarion lets you divide your in-car entertainment into 3 discrete zones. Now the kids in the back seat can watch their favourite video or play video games, while Mum and Dad enjoy great audio. Now, no more "Are we there yet?"





The power and presence to turn your car interior into a movie theatre or concert hall. Get it with the multi-disc player that accelerates past ordinary technological advancements.



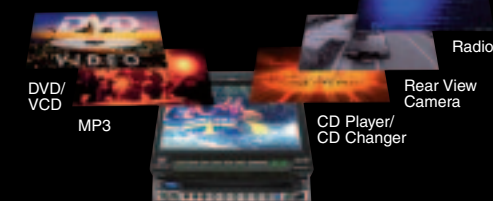
**NEW**  
**VRX935VD**

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


- Fully Motorised 7-Inch Wide Screen Colour LCD
- 5 Step Tilt Angle and 3 Step Back and Forth Slide Adjustment
- Touch Panel Control
- Built-in DVD Mechanism plays: DVD Video, CD, VCD and MP3
- 18FM/6AM Presets
- CeNET Control of: Optional 5.1-ch Dolby Digital/dts Processor, Optional TV Tuner, Optional DVD Changer and 6 Disc CD Changer
- CD Text, CD Titling, Station Titling
- Plays MP3 CD-R/RW Discs
- 3 Band Parametric EQ (Beat EQ)
- 2 A/V Inputs (RCA: 1/DIN: 1\*) PAL/NTSC Selectable
- \*CCA389 (Sold Separately) is required when using this audio-visual input terminal
- Rear View Camera Input
- 4 Volt 6 Channel RCA Output

- 1 Video Output (RCA)
- 24-bit DACs
- Fibre Optical Output for use with DVH920 5.1-ch Dolby Digital/dts Processor
- Excellent off-axis viewing
- 336,960 Pixel Display
- Built in 4 X 53 W Power Amplifier
- Partially Detachable Faceplate
- 4 Channel Loop-Back Circuit
- IR Remote Control Included
- DCP Carrying Case Included

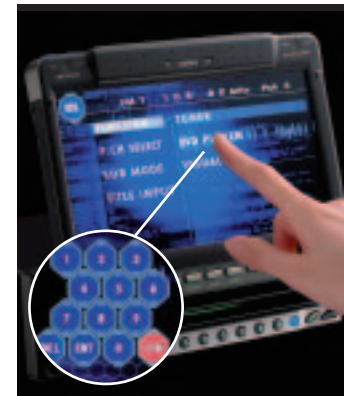
**Car Entertainment**



TV

**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 IR remote control. And now touch panel convenience has evolved even further, with the Honeycomb Keypad. The 10-



key pad uses a honeycomb design to maximize 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 composed 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.



**Various Wall Papers and Motion Patterns for an Enjoyable Driving Experience**

With Clarion's VRX935VD, you can select your favourite wall paper and motion patterns for the display panel based on your car's interior, the music being played, the fashion of the day or your mood.



Closed



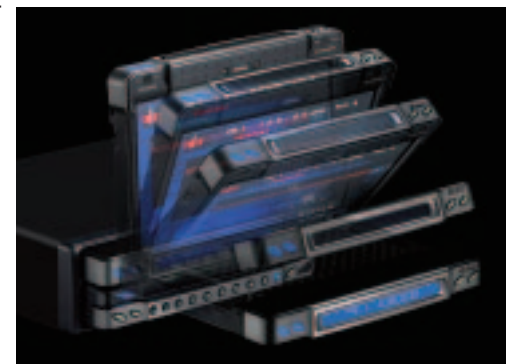
DVD/CD Loading Slot

**Aluminium Face Design as Sub-Display**

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 P.TIME 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.

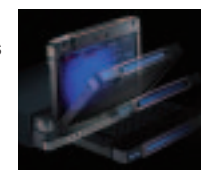
**Full-Auto In-Dash 7-Inch Monitor**

Monitor opening/closing takes place fully automatically at the touch of a button. Thanks to its 5-step angle/3-step back and forth slide adjustment to optimise visibility, and 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 only by pressing the open button for 2 seconds in cases where the installation location causes the monitor to block the air conditioner controls.



**Auto Illumination Cut for Superior Safety**

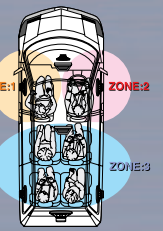
The sub display automatically goes out when the monitor is activated to prevent its light from being reflected into the window.

**10-Step Auto Dimmer Function**

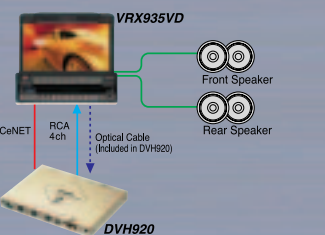
You can adjust the monitor brightness in 10 steps according to the brightness of your car's interior.

**3 Zone Entertainment**

Not everybody likes to watch or listen to the same thing, so Clarion lets you divide your in-car entertainment into 3 discrete zones. For instance, Dad and Mum might be listening to the radio while the kids watch a movie on DVD 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 DVH920 5.1-ch Processor Unit to be fed back to the main unit and reproduced through its internal amplifier. It enables a simplified, cost-conscious system upgrade without needs of an external amplifier.

**Beat EQ (3 Band Parametric EQ) for Precision Tone Adjustment**

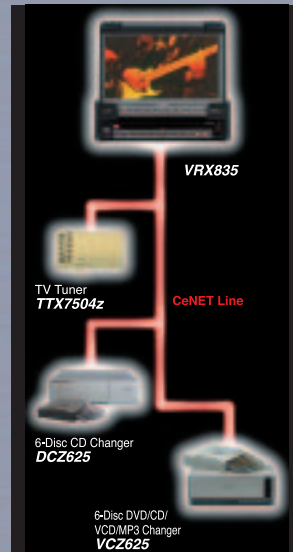
Beat EQ separates the sound spectrum into independent low, middle, and high frequency ranges to allow more effective tone adjustment. You can select from BASS BOOST (BEQ1) for earthshaking bass, IMPACT (BEQ2) for crystal clear mid tones, and EXITE (BEQ3) for a well-balanced performance spanning from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

**What is SIRIUS Satellite Radio?**  
Sirius Satellite Radio is a new technology that transmits CD quality digital audio through a series of 3 satellites orbiting the Earth. This allows you to receive up to 100 new channels of music, news, sports, talk radio, etc. anywhere in the continental United States. **This technology can only be used in the United States.**

● 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 or may remain on.



CeNET Control System



CeNET technology enables bidirectional communication between the source control unit and all CeNET compatible products, such as DVD changers, CD changers, and 5.1-ch Audio Processors. This advanced control system allows adding components at any time for a true "plug and play" system, and enables CD title display along with TV Tuner display information and Tuner station titling as well. CeNET also uses balanced line audio for superior signal transfer and high noise rejection, resulting in noise-free installations.

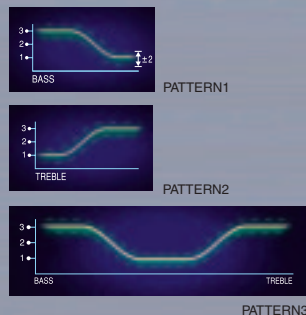
Partial DCP



To prevent theft, the control button section can be detached with a release key. This allows you to remove the panel and carry it with you when you leave your car to protect your VRX935VD and VRX835 from theft.

Z-Enhancer (VRX835 / VRX610P)

Three types of below sound quality patterns can be selected and  $\pm 2$  dB of sound adjustment is possible.



**VRX835**

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



CD-R | CDText | 4V/6ch Output | DCP | TV Control | CD Control | DVD Control



Closed

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.



- Fully Motorised 7-Inch Wide Screen Colour LCD
- 5 Step Tilt Angle and 3 Step Back and Forth Slide Adjustment
- Touch Panel Control
- Single Play CD Mechanism
- 18FM/6AM Presets
- CeNET Control of: Optional TV Tuner, Optional DVD Changer and 6 Disc CD Changer
- CD Text, CD Titling, Station Titling
- Z-Enhancer (Adjustable)
- 2 A/V Inputs (RCA: 1/DIN: 1\*, PAL/NTSC Selectable)
- \*The CCA389 (Sold Separately) is required when using this unit as an audio-visual input terminal.
- 1 Video Output (RCA)
- 4 Volt 6 Channel RCA Line Level Output
- Rear RCA (V) Out (2) 1 ch
- 336,960 Pixel Display
- Built in 4 X 48 W Power Amplifier
- 4 Channel Loop-Back Circuit
- IR Remote Control Included
- DCP Carrying Case Included

TTX7501z/TTX7503z are not available in Australia.

**TTX7504z** PAL TTX7501z NTSC TTX7503z PAL/SECAM

HIDE-AWAY TV TUNER

- CeNET Controlled
- Diversity Tuner System
- 1 A/V Input\*
- 1 Rear View Camera Input
- 2 Video Outputs
- \*The CCA389 (Sold Separately) is required when using this unit as an audio-visual input terminal.



TB732P and TB733W are not available in Australia.

**TB731P** PAL TB732P China PAL TB733W NTSC

FULLY MOTORISED 7-INCH WIDE COLOUR LCD TV

Can Connect with any Electronically Tuned FM Car Radio !!

- Fully Motorised 7-Inch Wide Screen Colour LCD
- 5 Step Tilt Angle and 3 Step Back and Forth Slide Adjustment
- Built in FM Modulator (0.2 MHz Step, 10 Points), Except TB733W
- 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 Included
- \*The CCA389 (Sold Separately) is required when using this unit as an audio-visual input terminal.



Closed



In-Dash 7-Inch Monitor with Fully Motorised Mechanism



VRX610P is not available in Australia.

**VRX610P**

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



4ch Output | DCP | TV Control | CD Control

- 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
- 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.



Closed

- CD Titling (When Connecting with 6 Disc CD Changer), Station Titling
- Z-Enhancer (Adjustable)
- 1 A/V Input\* (PAL/NTSC Selectable, Visual Mode)
- \*The CCA389 (Sold Separately) is required when using this unit as an audio-visual input terminal.
- 4 Channel RCA Output
- 280,800 Pixel Display
- Built in 4 X 40 W Power Amplifier
- Screen Size Select (Wide/Full Wide/Cinema/Normal)
- Monitor Lock Function
- IR Remote Control Included
- DCP Carrying Case Included

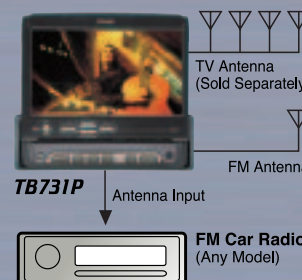


5 Step Tilt Angle



3 Step Back and Forth Slide Adjustment

Connection Example





**Dolby Digital and dts Surround Systems**

The Dolby Digital and dts 5.1 channel surround sound systems were developed for recreating the surround sound effect of movie theatre in a home theatre setup. Now, Clarion's DVH920 Processor incorporates both systems for in-car surround sound.

The DVH920 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 pink noise is used 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.



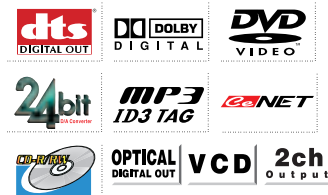
A built-in 1/3 octave parametric equaliser is included, with three bands of adjustment for the front, centre and rear channel speakers. There are setting for frequency, gain, and Q (how the slope of the adjusted frequency is affected). Either pink noise or audio material can be used to set the EQ. Also 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 DVH920 also includes Dolby Pro Logic II, in its first mobile application. Dolby Pro Logic II is the first processor to produce 5.1-ch surround sound from any 2 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 5.1-ch surround sound for enhanced sonic realism. Now you can experience a true "you are there" audio experience. Dolby Pro Logic II in the DVH920 generates front, centre, surround and subwoofer line outputs to external amplifiers for a true mobile surround sound system.



**VCZ625**

6 DISC DVD/CD/VCD/MP3 CHANGER



**Slave or Stand-Alone Operation**

- Built-in MP3 Decoder
- 2 systems available for Full control mode with VRX935VD, DXZ935 and DXZ835MP (Slave) / Easy control mode with IR remote control (Stand alone mode)

- DVD video playback with Multi-angle and Multi-functions (depends on the video programmes)
- Optical output
- 6 Disc DVD Mechanism Plays: DVD Video, CD, VCD and MP3 Encoded CD-R/RW
- 24-bit DACs
- CD Text (Audio CDs)
- Fibre Optical Output for use with DVH920 5.1 channel Dolby Digital/dts Processor
- 2-ch (L/R) RCA Outputs for Stand-Alone Use
- 2 RCA Video Output
- 5m CeNET Cable and 5m A/V Cable Included (for Stand-Alone Use)
- IR Remote Control and IR Eye (5 m) Included

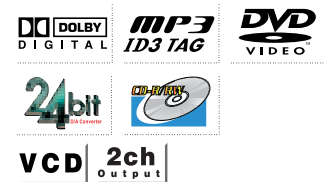
For details regarding MP3, please refer to the back cover.

NEW



**VS738**

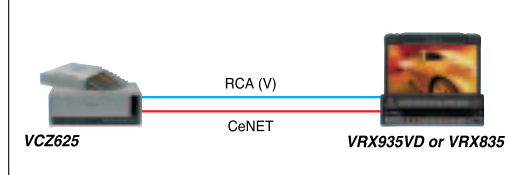
1-DIN IN DASH DVD/CD/VCD/MP3 PLAYER



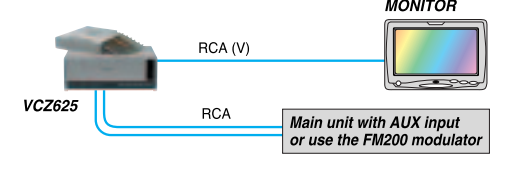
- 1-DIN In Dash DVD Player
- Plays DVD Video, CD, VCD, MP3 Encoded CD-R/RW
- ID3 Tag for MP3 Titles

- Flip-Down Detachable Faceplate
- Adjustable Audio Gain Control
- VF Display with Illumination Control
- 24-bit DACs
- 1 A/V Input / 1A/V Output (RCA)
- IR Remote Control and IR Eye (5m) Included
- DCP Carrying Case Included

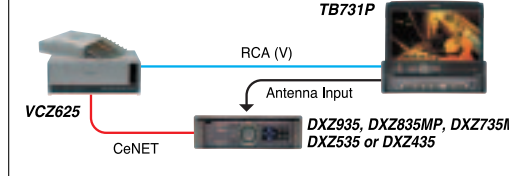
Example 1: (with multimedia centre)



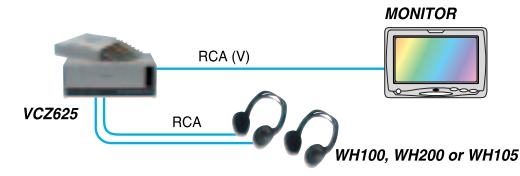
Example 3: (stand-alone)



Example 2: (with main unit)



Example 4: (stand-alone)

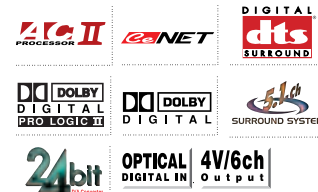


— CeNET Line — RCA Line



**DVH920**

5.1 CHANNEL DOLBY DIGITAL/dts PROCESSOR



- Built-in decoder for virtual 5.1 channel system "Dolby Pro Logic II"
- Integrated Digital Sound Field (DSF)
- Decodes: Dolby Digital, dts, Dolby Pro Logic II

- Directly Controlled by VRX935VD, DXZ935, and DXZ835MP
- 6 Pre-Programmed Digital Sound Field Memories
- Front/Centre/Rear Surround Channels with Adjustable Crossover Frequencies (HPF) THROUGH/ 50/80/120Hz
- Adjustable Crossover Frequencies (LPF) 50/80/120Hz for Subwoofer
- Individual Adjustable Speaker Gains (LF, RF, C, LR, RR, SW)



**DCZ625V**

CeNET 6 DISC CD/VCD CHANGER



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

**Excellent Solution for 5.1-ch Surround Sound Systems**



**SRK5 50W**

1/2 DIN CENTRE CHANNEL SPEAKER WITH AMPLIFIER

- 1/2 DIN Fixed Application
- Fits in all DIN and 1/2 Installation Kits
- 50 W High Power Amplifier
- 1 RCA 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



**SRK602 50W**

CENTRE SPEAKER SYSTEM WITH POWER AMPLIFIER

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

**Screen Saver (DVC920)**



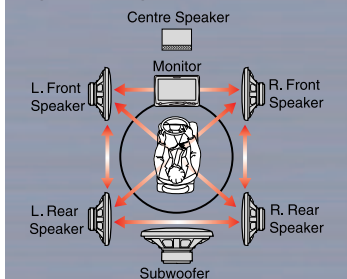
**DVC920**

COMMANDER FOR DVH920

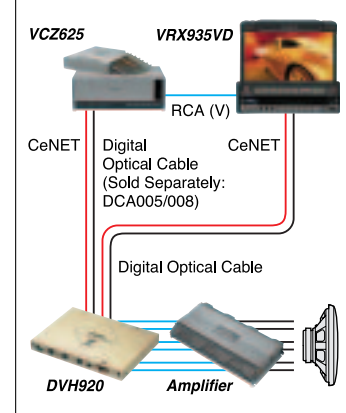
- DVH920 Commander Available for Any Main Units with 2-ch RCA Output
- Contrast Adjustment
- Screen Saver
- Controls All Functions of DVH920
- High Visibility Multi-Colour Display

**New 1/2 DIN Centre Channel Speaker**

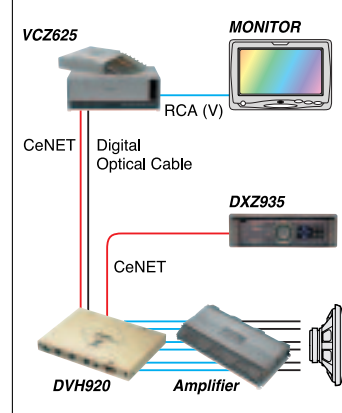
Clarion introduces a new concept in 5.1 surround centre channel speakers... a 1/2 DIN application that makes installing a centre channel speaker a snap.



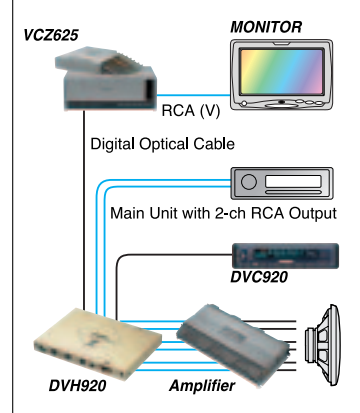
Example 1: (with multimedia centre)



Example 2: (with main unit)



Example 3: (stand-alone)



— CeNET Line — RCA Line

● 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.



**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.

**Multi-Zone Systems**

Clarion's multi-zone product allows the ultimate in system design and flexibility. The MSS430 "Source Commander" is a combination audio and video switcher with a built-in video amplifier for top notch video on up to three LCD monitors. It can accept up to 4 different video sources (Ex: DVD, VCR, Video Game, Rear View Camera or Video Camera) and send any combination of inputs to any of three monitors and headphones independently. The possibilities are endless. And by using our wireless headphones, installation is a breeze. With multi source switching, any one of four audio/video sources can be selected independently for each video monitor. For example, each back-seat monitor can have its own independent video/audio programme, controlled from the wired remote control



**OHM820**

**8-INCH OVERHEAD COLOUR LCD MONITOR WITH DOME LIGHTS**

- Universal Roof Mount
- TFT Active Matrix Display
- Swivel Mechanism
- 2 RCA Video Inputs
- 1 RCA Video Output
- Lightweight Plastic Housing
- Built-in Dome Light

- IR Transmitter for Wireless Headphones Built-in
- Front Panel Power Indicator and Separate Power, Channel Up/Down, AUX., FM Modulator and Picture Mode Button Controls
- FM Modulator Output Connector (for FM200 Add-On's)
- Universal Mounting Bracket and 2 Wireless Headphones Included

**OHM720**

**7-INCH OVERHEAD COLOUR LCD MONITOR WITH DOME LIGHTS**

- Universal Roof Mount
- TFT Active Matrix Display
- Swivel Mechanism
- 16:9/4:3 Adjustable Wide Screen Format
- 2 RCA Video Inputs
- 1 RCA Video Output
- Lightweight Plastic Housing

- Built-in Dome Light
- IR Transmitter for Wireless Headphones Built-in
- Front Panel Power Indicator and Separate Power, Channel Up/Down, AUX., FM Modulator and Picture Mode Button Controls
- FM Modulator Output Connector (for FM200 Add-On's)
- Universal Mounting Bracket and 2 Wireless Headphones Included

**OHM653**

**6.5-INCH WIDE OVERHEAD COLOUR LCD MONITOR WITH DOME LIGHTS**

- Universal Roof Mount
- IR Transmitter for WH100H (Optional) Headphones

- 6.5-Inch Wide LCD and Built-in Dome Light
- TFT Active Matrix Display
- 2 RCA Video Inputs
- Back Lighting Off w/No Signal
- Adjustable Viewing Angle
- Lightweight Plastic Housing

**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



**WH200 2 INPUT IR WIRELESS HEADPHONE SYSTEM**  
**WH200H REPLACEMENT HEADPHONE FOR WH200**



**HRM150 HEADREST MOUNTING BEZEL FOR VMA7191**

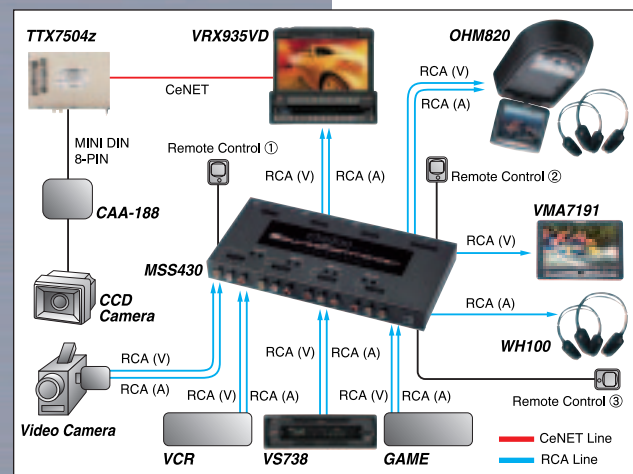
- 1 Straight and One Angled Trim Ring Included



**WH105 RF WIRELESS HEADPHONE SYSTEM**  
**WH105H REPLACEMENT HEADPHONE FOR WH105**



**WH100 IR WIRELESS HEADPHONE SYSTEM**  
**WH100H REPLACEMENT HEADPHONE FOR WH100**



station. The line level output can feed WH100 / WH200 / WH105 wireless headphones, or can feed the AUX inputs on selected source units or equalisers.



**FM200**

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



**VMA7191**

**7-INCH WIDE COLOUR LCD MONITOR**

- TFT Active Matrix Display
- 2 RCA Video Inputs
- Selectable 16:9 / 4:3 Wide Screen Format
- On-Screen Display
- Front Panel Power Button and Picture Control
- Perfect-Fit Installs in HRM150 Headrest Mounting Bracket



**VMA5091**

**5-INCH COLOUR LCD MONITOR**

- TFT Active Matrix Display
- Includes Perfect Fit Mounting Bezel and 2 Trim Rings for Quick and Easy Installation
- 1 RCA Video Input
- Front Panel Power Button and Picture Control



**VMA6593**

**6.5-INCH WIDE COLOUR LCD MONITOR**

- TFT Active Matrix Display
- 2 RCA Video Inputs
- Front Panel Power Indicator and Brightness Control



VMA1041 is not available in Australia and Korea.

**VMA1041**

**10.4-INCH COLOUR LCD MONITOR**

- TFT Active Matrix Display
- 2 A/V Inputs
- 1 VGA Input
- Built-In Stereo Front Panel Speakers
- Removable Table Top Stand



● 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 or may remain on.

**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 HRM150 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 last for 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.

**Rear Seat Monitors**

The OHM820/OHM720/OHM653 overhead flip down 8-inch, 7-inch and 6.5-inch widescreen monitors share many unique features that insure 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 (except OHM653) 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.



# Source of Quality Performance

We put quality up front. In sound and in style. Our new main units feature industry-leading quality for sound satisfaction today, plus extensive expandability to let you easily create a full multimedia showcase with true dual-zone entertainment. With MP3 and WMA players, we've got you covered both ways. The all-new front panel Subwoofer level control puts sonic muscle at your fingertips. And our new LCD and front panel design bring your dash to life, visually orchestrating your audio cruising experience. So for the ultimate turn-on, turn on a Clarion main unit. It's the beginning of a beautiful relationship.



## Superb Sound and Luscious Looks

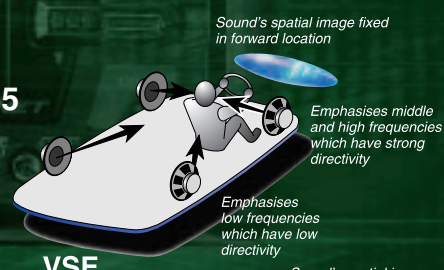
Take total control of the sound spectrum with AC-Processor II. This sound control and manipulation feature includes Dolby Pro Logic II which can create a 5.1 channel sound effect from any 2 channel source such as a stereo CD or radio programme. It can even reproduce a cinematic 5.1 channel soundscape from just the four speakers of a basic car audio system. Time Alignment Control, VSE (Virtual Space Enhancer) and Parametric EQ also contribute to your sonic potential, allowing precise compensation and equalisation to match your automobile and your taste. Then it's time to satisfy your eyes as well, with the full spectrum of visual expression that's possible with the Variable Colour Display. Just mix the three primary colours the way you like, and create a wide variety of display colours to vividly orchestrate your next drive.

### ● AC-Processor II In the DXZ935

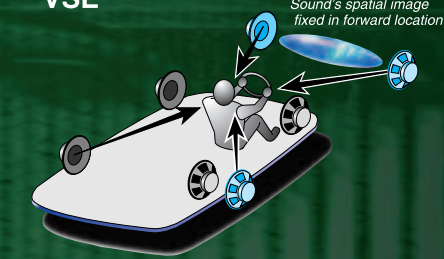
**Dolby Pro Logic II**  
Let you enjoy 5.1 channel surround with 2 channel sources including DVD, CD, MP3 and Radio. Pseudo 5.1 channel surround using 4 speakers is also possible.



**Time Alignment Control**  
Let 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



Time Alignment

### VSE (Virtual Space Enhancer)

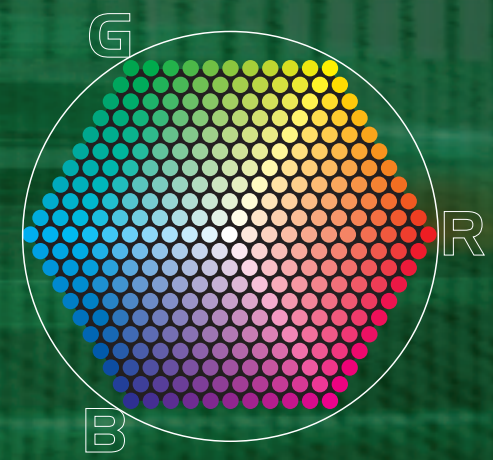
Let you digitally compensate for irregular reflection, polarisation, and other acoustic problems that may accompany your car's interior.

### Parametric EQ

Let you adjust the equalisation of each frequency band independently for the front and rear speakers.

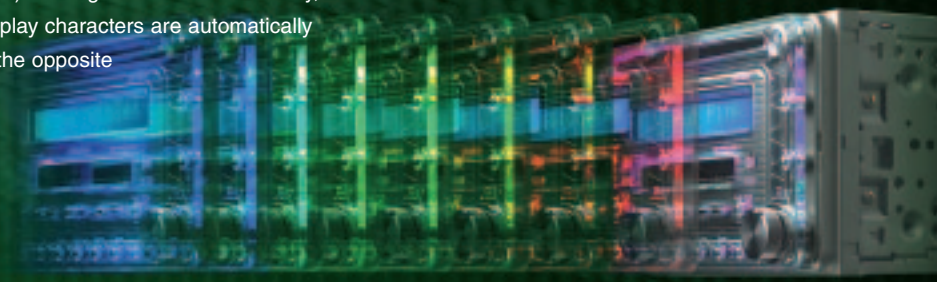
### ● Variable Colour Display for a Full Spectrum of Expression

Colour Image of DXZ835MP and DMZ637MP



This display panel offers independent control of RGB (Red/Green/Blue), so you can mix these primary colours to create the exact colour you want for the display background, with variations of up to 728 colours (DXZ835MP/DMZ637MP) or 80 colours are composed of Red and Green (DXZ735MP/DXZ535). For high contrast and visibility, the display characters are automatically set to the opposite

colour in the spectrum, and button colours also changed to match the new colour scheme. You can even set all colours manually according to your personal preference. The high-visibility eye-catching display colourfully spices up your car's interior.





# Precision handling of your sound with AC-Processor II and Dual Action. Incredible performance puts this main unit at the cutting-edge of car audio.



**NEW**

## AC-Processor II Creates a Soundscape Like You've Never Heard Before

The DXZ935 is equipped with the AC-Processor II, so it's able to deliver next-generation digital sound processing technologies like VSE (Virtual Space Enhancer), Time Alignment, Parametric EQ and a Dolby Pro Logic II decoder.

Giving you total control over your car's soundscape, with Dual Action Design to pack all that performance into a 1-DIN unit, this model brings together all the factors you demand of a top-of-the-line centre unit.

Once installed in your dash, the moment it powers-on you'll be transported to a whole new level of sound expression.

### DXZ935

AM/FM CD PLAYER WITH AC-PROCESSOR II


- Motorised Dual Action Detachable Face
- Dolby Pro Logic II
- 18FM/6AM Presets
- CeNET Control of: Optional 5.1 channel Dolby Digital/dts Processor, Optional TV Tuner, Optional DVD Changer and 6 Disc CD Changer
- CD Text, CD Titling, Station Titling
- Dual 24-bit DACs
- Plays CD-R & CD-RW
- 3 Band Parametric EQ
- Built-in DSP for Time Alignment, Seat Position, Virtual Space Enhancer
- 4 Volt/6 Channel RCA Output
- 2 Channel AUX Input (Low/Mid/High Selectable)
- 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 THROUGH/50Hz/80Hz/120Hz
- Adjustable Display Contrast
- Built in 4 X 53 W Power Amplifier
- Screen Saver
- Aluminium Faceplate
- Steering Wheel IR Remote Control Included
- DCP Carrying Case Included

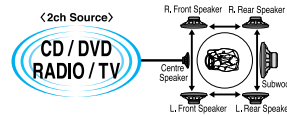
## AC-Processor II: Cutting-Edge Technology for Total Sound Control

The AC-Processor II is Clarion's original advanced digital sound processing technology developed by bringing together various sound quality and sound field manipulation technologies. It provides a wide spectrum of features like Dolby

Pro Logic II, VSE, Time Alignment and Parametric EQ. And since it offers three preset patterns – Pro Logic II mode, Pro mode and STD mode – setting the sound to match your car, the source or your personal taste is a breeze!

### World's First Main Unit Equipped with Dolby ProLogic II

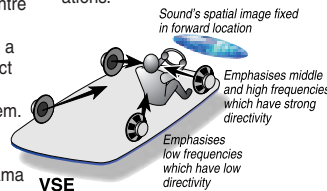
Dolby Pro Logic II is the latest matrix sound decoding technology developed by Dolby Laboratories that's able to take any 2 channel source, like a CD or Radio, decode it and output it



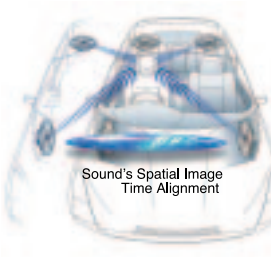
as 5.1 channel sound. Clarion was the world's first to incorporate this innovation into 2002-03 model and this technology is took over new DXZ935. Since it's equipped with a Centre Width Control that simulates the centre speaker using the front L/R speakers, you can reproduce a quasi 5.1 channel sound effect from just the 4 standard speakers of a car audio system. And other "live sound" sculpting effects like Dimension mode and Panorama mode are also available, so you can flexibly shift into the world of 5.1 channel car audio.

### Virtual Space Enhancer for a High Resolution Soundscape

The car's interior is plagued by a standing wave produced by reflected sounds in the neighborhood of 230Hz, which disrupts low frequency reproduction. But the VSE equipped in Clarion's AC-Processor II takes this phenomenon into account and cancels it out by generating a reverse-phased wave from the opposite speaker. And get this, by doing this not only for the primary reflection but also for successive reflections to the nth time, it is able to fine tune the sound environment even for car cabins that easily produce random reflections and sound deviations.



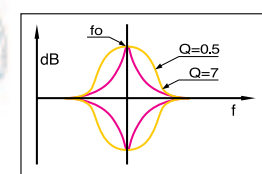
### Time Alignment Control for Equal Enjoyment in All Seats



This function lets you get the same sound performance from each speaker in relation to the listener regardless of where the listener is seated, with pinpoint setting of speakers accessible through the easy FRONT-L, FRONT-R, FRONT, REAR and FULL SEAT position menu. And since up to 5 patterns can be saved in memory, you can quickly call up your favourite sound pattern, or switch it to another pattern optimised for the number of passengers in the car. (Adjustment range: 0cm-500cm, in 5cm steps)

### Parametric EQ for Adjustment of Sound Reproduction

You can correct irregularities in the frequency characteristics using this 3-band parametric equaliser. For SEDAN / WAGON / MINIVAN categories, there are two preset patterns each.



Steering Remote Control

## Dual Action Design Puts You Ahead with Movement and Style



Although it only takes a 1-DIN space to install, just push a button and another 1-DIN size display panel appears from within. By separating the display and the control panel face, this design provides a more leisurely display area

and an easier-to-use control key layout. Naturally, operation is also possible while this "multi window" is closed. This Clarion original motorised mechanism brings together the benefits of high visibility, ergonomic operation and get-noticed design.



CD Loading slot

- AUX in terminal (HIGH/MID/LOW switchable) for connection of external audio source
- High-Voltage 6-ch 4 V Output to keep noise encroachment to a minimum
- Rotary Volume Control is rubberised for easy operation and illuminated for easy recognition
- Detachable Control Panel acts as a theft deterrent
- RCA Cable with Gold-Plated Contacts for minimised signal loss

## 24-bit DACs for Sound Reproduction that's True to the Original

The role of the D/A converter is to re-convert the digital data that is present on a CD back into its original analogue form, so it can be heard by the human ear. However, while sounds in the natural world consist of smoothly undulating waves, sounds converted back from digital data exhibits square, angular characteristics. The DXZ935 has a 24-bit DACs which quantises the data at many times the usual speed, so the resulting sound wave characteristics are finer, smoother and truer to the original form.

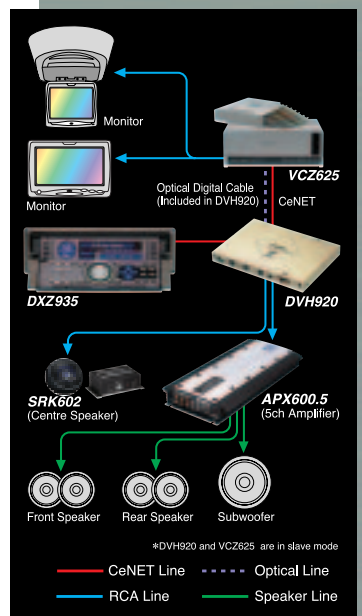
## 4 Volt Preamp Output

A high-output pre-amplifier voltage provides reduced signal clipping, less chance of vehicle electrical noises altering signals between source unit and amplifier and a lower amplifier input gain setting to reduce system noise levels.

A 4 volt low impedance (less than 300 ohms) output in our Main units and processors minimises the possibility of a clipped and distorted output signal. This results in a much cleaner musical signal sent to the power amplifier, so the amplifier reproduces a cleaner high-level signal. The end result is musical reproduction with extended dynamic range and more head-room.

## Connection Example of DVD

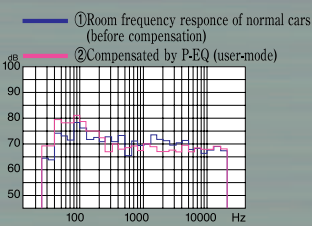
- VRX935VD, DXZ935 and DXZ835MP enable control of DVH920 directly without DVC920 commander



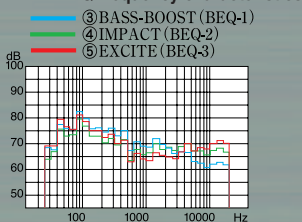


**3 Band Parametric Equaliser and BEAT EQ**

• Example of sound field corrections made using the parametric equaliser



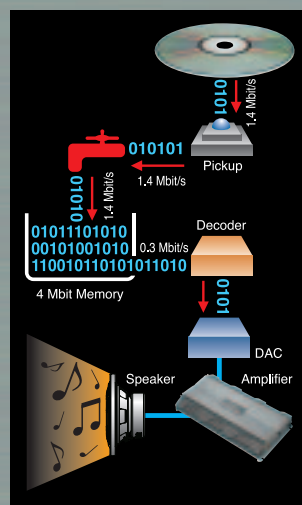
• BEAT EQ frequency characteristics



Conventional tone control (BASS and TREBLE) cannot adequately make adjustments for the acoustic characteristics inside the car. Clarion's new 3 Band Parametric Equaliser and BEAT EQ allow you to make corrections to the sound characteristics separately for the low-range, mid-range and high-range bands. With the BEAT EQ, you can easily make adjustments by selecting the BASS BOOST (BEQ-1), IMPACT (BEQ-2) or EXCITE (BEQ-3) options.

**Shock Proof Memory**

The DXZ835MP/DXZ735MP feature a 20-second memory that temporarily catches the playback data so that even if the road is bumpy and the laser pickup goes off track, there won't be any interruptions in the playback sound.



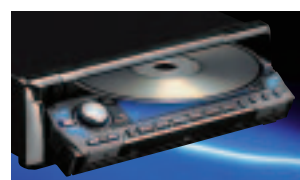
**DXZ835MP**

AM/FM CD/MP3/WMA PLAYER



CDText 4V/6ch Output AUX Input DCP  
DVD Control TV Control CD Control 5.1ch Decoder Control

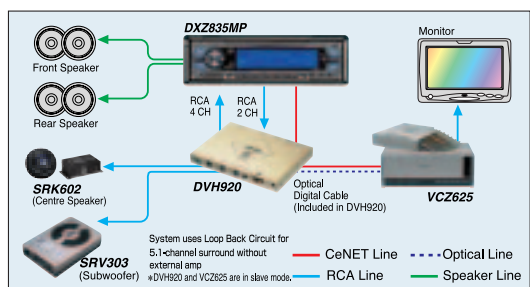
- Motorised Fold Down Detachable Faceplate
- Dual 24-bit DACs
- Plays CD-R & CD-RW
- Plays MP3 and WMA Encoded CDs
- 18FM/6AM Presets



**728 Variable Colour Display and Control Button**



- CeNET Control of: Optional TV Tuner, 5.1 channel Dolby Digital/dts Processor, Optional DVD Changer and 6 Disc CD Changer
- CD Text, CD Tiltting, Station Tiltting
- Shock Proof Memory (20 seconds)
- 3 Band Parametric EQ (Beat EQ)
- Front Panel Subwoofer Volume Control
- Built-in Low Pass Crossovers (THROUGH/50Hz/80Hz/120Hz)
- 4 Volt/6 Channel RCA Output
- 4 Channel Loop-Back Circuit
- Magna Bass EX
- 2 Channel AUX Input (Low/Mid/High Selectable)
- Adjustable Display Contrast
- Built in 4 X 53 W Power Amplifier
- Negative/Positive Reversible 728 Variable Colour LCD and 728 Variable Colour Control Buttons (12 presets and 3 users)
- Retractable Rotary Volume Control
- Full Dot (65 x 7) Matrix Display
- Screen Saver with User Programmable Message Information
- Aluminium Faceplate
- Blinking LED for Anti-theft
- IR Remote Control Included
- DCP Carrying Case Included



**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 correctional information from the focusing servo. As a result, the music contained on the CD will be reproduced flawlessly.



**DXZ735MP**

AM/FM CD/MP3/WMA PLAYER



CDText 4ch Output AUX Input DCP  
DVD Control TV Control CD Control

- Flip Down Detachable Faceplate
- Plays CD-R & CD-RW
- Plays MP3 and WMA Encoded CD
- 18FM/6AM Presets
- CeNET Control of: Optional TV Tuner, Optional DVD Changer and 6 Disc CD Changer
- CD Text, CD Tiltting, Station Tiltting

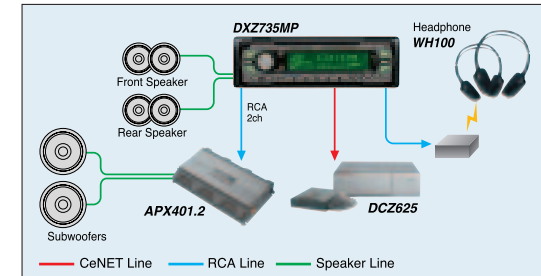
**80 Variable Colour Display and Control Button**



- Shock Proof Memory (20 seconds)
- 2 Band Parametric EQ (Z-Enhancer Plus)
- Front Panel Subwoofer Volume Control
- Built-in Low Pass Crossovers (THROUGH/50Hz/80Hz/120Hz)
- 2-ch Front + 2-ch Rear/Sub RCA Output
- Dual Zone Control with Dedicated RCA Outputs
- Magna Bass EX
- 2 Channel AUX Input (Low/Mid/High Selectable)
- Built in 4 X 52 W Power Amplifier
- 80 Variable Colour LCD and 80 Variable Colour Control Buttons (9 presets and 1 user)
- Retractable Rotary Volume Control
- Screen Saver with User Programmable Message Information
- Aluminium Faceplate
- Blinking LED for Anti-theft
- IR Remote Control Included
- DCP Carrying Case Included

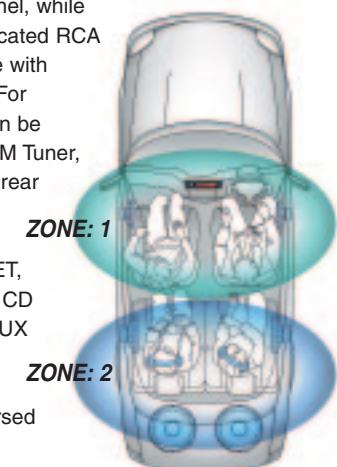


**Main Unit Dual Zone**



**Main Unit Dual Zone (DXZ735MP)**

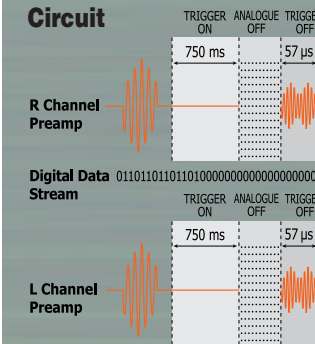
You can select separate audio zones for front and rear seat passengers. The front zone is the main units regular front and rear channel, while the rear zone is a dedicated RCA line level output for use with wireless headphones. For instance, front zone can be either the built-in AM/FM Tuner, CD player or while the rear zone can be the audio from any device connected to the CeNET, such as DVD changer, CD changer, TV tuner or AUX input. By pressing a dual zone button, the zones can be reversed in an instant.



**MP3 & WMA**

DXZ835MP, DXZ735MP and DMZ637MP are capable of MP3 playback and decoding WMA (Windows Media Audio) encoded music. WMA format has a higher compression rate than comparable MP3, permitting more music information to be recorded on a CD-R or CD-RW with maximum fidelity for your enjoyment.

**0-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 0-bits is detected. The 0-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 0-bit detector™ mute circuitry requires absolutely no adjustments and boasts a dynamic signal-to-noise (S/N) ratio well above 100 dB.

**Front Panel Subwoofer Control**

Main Units (DXZ835MP/DXZ735MP/DXZ535/DXZ435) have a dedicated Subwoofer Level Control lever on the front panel. This allows instant subwoofer adjustment and more control over your system. Included with the Subwoofer Control is a built-in low pass crossover with selectable frequencies at 50Hz, 80Hz or 120Hz. When the crossover is selected, rear channel RCA line level outputs become dedicated subwoofer outputs, directly controlled by the Front Panel Subwoofer Control lever.



### 1-bit and 24-bit Digital-to-Analogue (D/A) Converter

Clarion's 1-bit D/A converter produces signal levels that are either "one" or "zero." Because of this, the conver-



sion process is not prone to the types of errors found in the multi-bit D/A conversion. The result of 1-bit D/A conversion is excellent linearity and a virtual absence of distortion.

Clarion's 24-bit D/A converter eliminates the signal defects of older 16-bit decoding by actually "oversampling" the digital signal. This greatly improves overall sound quality of the D/A converter creating a more natural sound and better imaging. A 24-bit D/A converter greatly reduces linearity errors and notch distortion, which results in superior sound and high signal-to-noise ratios for less reproduced noise.

### Pre-amplifier Circuits

Clarion Audio Products use a true 4 channel pre-amplifier, with true line-level outputs, rather than line-level outputs tapped from speaker levels. The pre-amplifier delivers 4 volts before clipping, at less than 300 ohms impedance. (VRX935VD/DXZ935/DXZ835MP)

Our dual channel high-power chips in all our source units give a true 53/52 watts at the speakers, providing more dynamic head-room and a higher SPL before clipping. This extra output power allows Clarion's power output sections to drive less-efficient speakers (such as separates) without clipping.

Clarion's pre-amplifier circuits deliver a high line-level output voltage at low output impedance, for better signal transfer to amplifiers and processors. This results in higher signal-to-noise ratios, along with true line-level output, rather than a reduced speaker level output acting as a line-level output.

### Z-Enhancer Plus

Provides easy to operate tone correction for crisp powerful bass and crystal clear highs with "TWO PARAMETRIC" settings. In addition, three preset EQ settings are available.



## DXZ535

AM/FM CD PLAYER



CDText 4ch Output Input AUX DCP

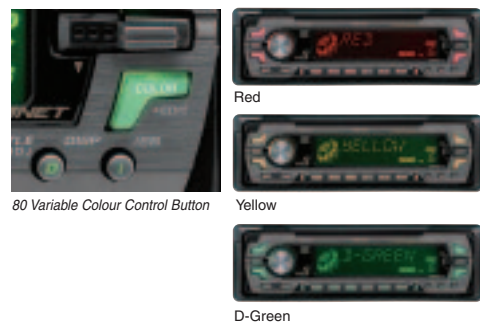
DVD TV CD Control Control Control

- Flip Down Detachable Faceplate
- Plays CD-R & CD-RW
- 18FM/6AM Presets
- CeNET Control of: Optional TV Tuner, Optional DVD Changer and 6 Disc CD Changer
- CD Text, CD Titling, Station Titling



Flip Down Console for Loading CDs

- 2 Band Parametric EQ (Z-Enhancer Plus)
- Front Panel Subwoofer Volume Control
- Built-in Low Pass Crossovers (THROUGH/50Hz/80Hz/120Hz)
- 2-ch Front + 2-ch Rear/Sub RCA Output
- Magna Bass EX
- 2 Channel AUX Input (Low/Mid/High Selectable)
- Built in 4 X 52 W Power Amplifier
- 80 Variable Colour LCD and 80 Variable Colour Control Buttons
- Rotary Volume Control
- Screen Saver with User Programmable Message Information
- Aluminium Faceplate
- IR Remote Control Included
- DCP Carrying Case Included



80 Variable Colour Control Button



## DXZ435

AM/FM CD PLAYER



CDText 4ch Output Input AUX DCP

DVD TV CD Control Control Control

- Detachable Faceplate
- Plays CD-R & CD-RW
- 18FM/6AM Presets
- CeNET Control of: Optional TV Tuner, Optional DVD Changer and 6 Disc CD Changer
- CD Text, CD Titling, Station Titling

- 2 Band Parametric EQ (Z-Enhancer Plus)
- Front Panel Subwoofer Volume Control
- Built-in Low Pass Crossovers (THROUGH/50Hz/80Hz/120Hz)
- 2-ch Front + 2-ch Rear/Sub RCA Output
- Magna Bass EX
- 2 Channel AUX Input (Low/Mid/High Selectable)
- Built in 4 X 52 W Power Amplifier
- Blue Negative LCD with Blue/White Control Buttons
- Rotary Volume Control
- Screen Saver with User Programmable Message Information
- Aluminium Faceplate
- IR Remote Control Included
- DCP Carrying Case Included



Rotary Volume Control



## DB336MP

AM/FM CD/MP3 PLAYER



2ch Output DCP

- Detachable Faceplate
- Plays CD-R & CD-RW
- Plays MP3 Encoded CD



Detachable Control Panel



## DB335

AM/FM CD PLAYER



4x50W High Power CD-R/MP3 2ch Output DCP

- Detachable Faceplate
- Plays CD-R & CD-RW



## DB235

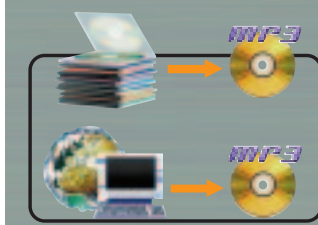
AM/FM CD PLAYER



CD-R/MP3 2ch Output DCP

- Detachable Faceplate
- Plays CD-R & CD-RW
- 18FM/6AM Presets
- 2 Channel RCA Output
- Built in 4 X 50 W Power Amplifier
- Z-Enhancer
- Magna Bass EX
- Rotary Volume Control
- Blue Negative LCD with Blue Buttons
- Screen Saver
- DCP Carrying Case Included

### MP3 Technology



MP3 technology is a new way of compressing music into a smaller storage space. A standard audio CD has up to 700 megabytes (MB) of storage, enough for a standard music playback time of about 80 minutes. MP3 is a compression format that stores digital audio information in about 1/10 the space of a standard audio CD. In other words, a 700MB CD can store up to about 12 hours of music!

MP3 discs can be made from standard digital audio files in a conversion process called "ripping". A standard digital audio file is compressed and converted into an MP3 file. A special program is needed to play back these MP3 files on any computer. These MP3 files can be "burned" (recorded) onto a CD-R (recordable) disc for playback on an MP3 enabled device. If the files are recorded at a high conversion rate 128MB or higher, they can sound almost as good as a standard audio CD.

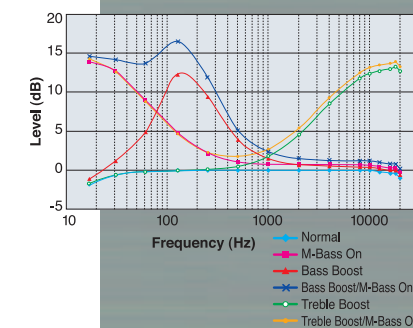
### MP3 NAVI (DB336MP)

Offers a variety of ways to search for and access the tune you want. Great way to navigate through voluminous data on MP3 discs.

- Folder Up/Down : Call up a track by moving up or down through folders.
- MP3 Search : Search by filename (text). Can input up to 4 characters.

### 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.





**DMZ637MP**  
 Front Panel Design of DMZ637MP expresses "3 dimensionality", "depth", "precision" and "transparency" within the limited space of 2 DIN slot. Its molding is based on the motif of a building, featuring "Architecture Design" which incorporates construction techniques such as "truss structure". We thought of the audio unit itself as a lighting fixture. The exterior feature detailed expression that takes advantage of the material used.

**MD Group Management Function**  
 The unit supports grouped management of song data which is especially helpful when searching and accessing tunes stored in high-capacity MDLP mode.

**Digital Sound Field & Graphic Equaliser (ADZ625)**

The digital sound field reproduces the sound presence of various environments (5 modes: HALL, LISTENING ROOM, CLUB, CHURCH, STUDIO), while the 7 band graphic equaliser lets the listener sculpt the sound according to his or her taste (4 presets: BASS BOOST, ACOUSTICAL, IMPACT, FLAT). Clarion gives you the ability to customise your sound.

**High-luminance VF Display (ADZ625/ADX5655z)**  
 By using a newly developed 4-colour high-luminance VF display, it is possible to show more detailed information such as characters and graphics. This matches well with the striking ocean black front panel featuring a flat and sleek design without needless protrusions.

**Blue Illumination for Enhancing Your Car's Interior (ADX6655z)**

The display uses an attractive blue illumination for improved visibility and ease of operation while also enhancing the mood inside your car.

**Multi-Format Access to Light Up Your Music**



**DMZ637MP**

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



- 728 Variable Colour Acryl Edge Light
- Plays CD-R & CD-RW
- Plays MP3 and WMA Enclosed CD
- CeNET Control of: Optional TV Tuner, Optional DVD Changer and 6 Disc CD Changer
- CD Text, CD Tinting, Station Name Tinting
- Digital Sound Field (DSF) and 2 Band Parametric EQ Built in
- 2 Channel RCA Output

**High Performance in Impeccable European Styling**



**ADZ625**

2-DIN AM/FM CD/CASSETTE PLAYER



- Stylish European Design
- CeNET Control of: Optional TV Tuner and 6 Disc CD Changer
- Digital Sound Field (DSF)/Graphic Equaliser (7 Band) Built in
- Dolby B Noise Reduction
- Full Logic Tape Transport
- Auto Programme Control (APC)
- Built in 4 X 50 W Power Amplifier
- 4 Channel RCA Output
- 18FM/6AM Presets
- Rotary Volume Control
- IR Remote Control Included



**Cruising with Comfortably Classic Design**



**ADX6655z**

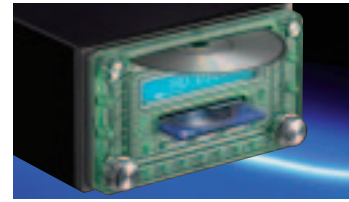
2-DIN AM/FM CD/CASSETTE PLAYER



- 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)
- Built in 4 X 45 W Power Amplifier
- 4 Channel RCA Output
- 18FM/6AM Presets
- IR Remote Control Included



**728 Variable Colour Acryl Edge Light**



Top Performance in Compact 2-DIN Slot Size

- Magna Bass EX
- MDLP Capability
- MD Group Management Function
- Built in 4 X 50 W Power Amplifier
- 18FM/6AM Presets
- Rotary Volume Control
- IR Remote Control Included

**Adventurous New Looks to Get You Noticed**



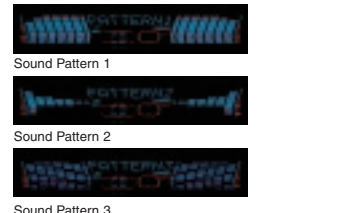
**ADX5655z**

2-DIN AM/FM CD/CASSETTE PLAYER



- 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)
- Built in 4 X 45 W Power Amplifier
- 4 Channel RCA Output
- 18FM/6AM Presets
- IR Remote Control Included

**High-Performance Graphic Equalisers Create the Ultimate Car Interior**

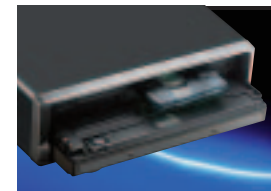


**AXZ610**

AM/FM CASSETTE PLAYER



- High Performance Radio Cassette Player with CeNET
- Flip Down Detachable Faceplate
- 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 Tinting
- Built in 4 X 45 W Power Amplifier
- 4 Channel RCA Output
- 2 Channel AUX Input (Low/Mid/High Selectable)
- 18FM/6AM Presets
- Rotary Volume Control
- Aluminium Faceplate
- IR Remote Control Included
- DCP Carrying Case Included



Flip Down Face Panel



**AX330**

AM/FM CASSETTE PLAYER



- C-BUS CD Changer Control
- Z-Enhancer
- Auto Reverse
- Loudness Control
- Built in 4 X 40 W Power Amplifier
- Rotary Volume Control
- Green Illumination
- 20FM/5AM Presets



Cassette Eject



**AX430**

AM/FM CASSETTE PLAYER



- C-BUS CD Changer Control
- Detachable Faceplate
- Z-Enhancer
- Full Logic Tape Transport
- Auto Programme Control (APC)
- Built in 4 X 50 W Power Amplifier
- 2 Channel RCA Output
- 18FM/6AM Presets
- Rotary Volume Control
- IR Remote Control Included
- DCP Carrying Case Included



Detachable Control Panel



**AB230**

AM/FM CASSETTE PLAYER



- Z-Enhancer
- Auto Reverse
- Loudness Control
- Built in 4 X 40 W Power Amplifier
- Rotary Volume Control
- Green Illumination
- 20FM/5AM Presets



Rotary Volume Control

**Sturdy Aluminium Panel with Top-Class Design (AXZ610)**



The aluminium extrusion-molding 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)**



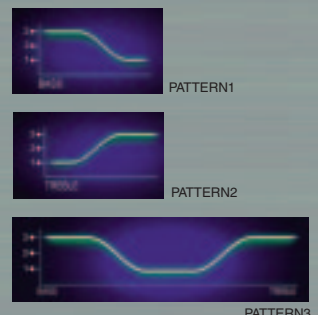
The display in a car audio system must provide superior visibility while driving and an appearance that blends with the car's interior. AXZ610 has a 3-colour LCD for the clear and sharp display. This 3-colour gradation LCD features improved visibility and is a full-featured, advanced display that is the perfect fit to your car's interior.

**AUX Input Terminals with Sensitivity Selector (AXZ610)**

2 Channel 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.







**24-bit Dual D/A Converter for Low Distortion**

The system equips independent sine magnitude type 24-bit DACs converters for the left and right channels. This helps improve linearity in the minute signal range, allowing the high S/N ratio and broad dynamic range of CDs to be enjoyed to their fullest, with a rich and expressive playback sound.



**High-capacity ±15V DC/DC Converter**

By way of ±15V, which is common in high-end home audio systems, this high-capacity DC/DC converter delivers ample circuit running capacity. Maximum output of up to 9V non-clip is made possible. And also by separating the DC/DC converter, which is a



source of noise, from the main unit, it minimises its effect on the sound as much as possible.

**Dither processing to smooth out digital sound (HX-D1)**

By applying random noise components known as "dither" to the digital data prior to D/A conversion, the tell-tale distortion particular to digital sources is dramatically reduced. This process creates sound waves that are 0th waveforms that exist in nature. The amount of dither is selectable with 3 levels to choose from.

**Digital circuitry to deliver high-level sound**

**High-gauge High purity OFC RCA Cable**



**HX-D1**



- Clarion High Fidelity CD Player Without Built in Amplifier
- CeNET Control of 6 Disc CD Changer
- Dual 24-bit DACs Converter
- CD Text
- HDCD Disc Playback
- High-capacity DC/DC Converter (± 15 V)
- 4 Volt / 4 Channel RCA Output (Max 9 V)
- High Purity OFC Cable

**HDCD for 20-bit High Definition Sound**

HDCD (High Definition Compatible Digital) is a technology that allows high-resolution 20-bit sound to be recorded in 16-bit CD format. HX-D1 is equipped with a high-performance decoding IC that is compatible with HDCD. Play back an HDCD disc and you'll notice how subtle



**DRX9255EXL**



**ALPHA Processor\***

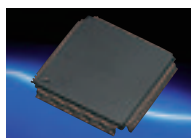
The ALPHA processor supplements the 16-bit data from the CD for playback of 20-bit quality sound. This system reproduces the analogue data existing on the original master tape to

- 2 Channel AUX Input
- High Visibility Blue-White VF Display
- Copper Plated Chassis
- Optical Input Terminal for connected with DCZ625
- Aluminium Analogue Rotary Volume
- 18 FM/6 AM Presets
- FM Diversity



Copper plated chassis to guard against sound degradation

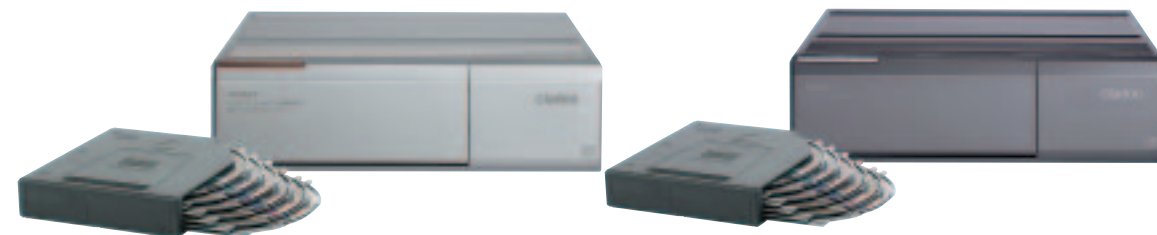
nuances are accurately expressed such as the breath of a vocalist. And since the HDCD decoding IC removes unnecessary elements of the high frequencies during D/A conversion, it also contributes to higher quality sound even when playing ordinary 16-bit encoded CDs.



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

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

reduce the digital quantisation distortion and to express the subtle nuances and resonances of the music that were lost in the digitalisation process.



**DCZ625**

CeNET 6-DISC CD CHANGER



- 8-Times Oversampling Digital Filter
- 1-bit DACs Converter
- CD Text
- CD-R/CD-RW Ready
- Optical Output Terminal

**DC625**

C-BUS 6-DISC CD CHANGER



- 8-Times Oversampling Digital Filter
- 1-bit DACs Converter
- CD-R/CD-RW Ready
- 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 Included

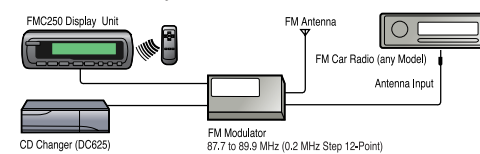


**Play Back CD Sound on Any FM Car Radio**

The FMC250 controls a Clarion CD changer and plays back the sound via your FM car radio — no matter which brand. The FMC250 hide away unit connects between your FM radio antenna input and the car antenna. Simply tune your radio anywhere from 87.7 to 89.9 MHz (0.2 MHz step 12-point) and listen to superior Hi-Fi CD sound in full stereo from the connected Clarion CD changer.

- The Black-Box unit connects one of Clarion's 6-disc CD changers (DC625)
- Connects to any electronically tuned FM stereo car radio

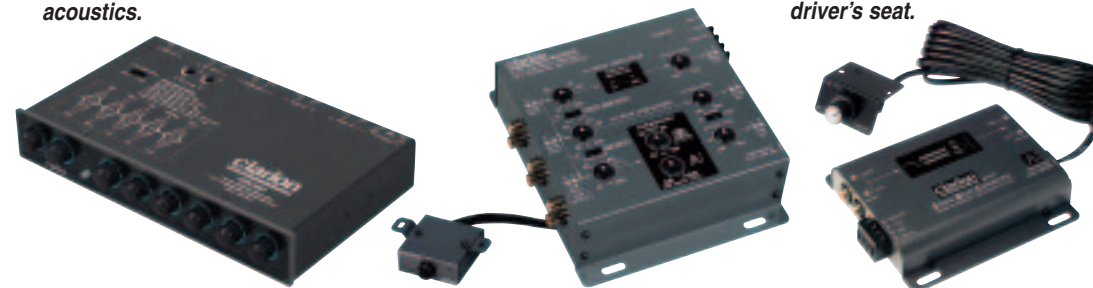
**FMC250 Car Audio System**



*Enables peak/dip level adjustment at 5 frequency points ranging from 45 Hz to 15 kHz to correct frequency characteristics to accommodate your car interior's acoustics.*

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

*The easy way to upgrade to an active subwoofer system. Simple installation between power amplifier and subwoofer provides powerful bass sound control from the driver's seat.*



**EQS560**

1/2 DIN GRAPHIC EQUALISER/CROSSOVER

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

**MCD360**

3-WAY ELECTRONIC CROSSOVER

- 18 dB/oct. Slope
- Front/Rear Subwoofer Level Control
- Built-in Bass EQ
- Subwoofer Remote Control included
- Cross Frequency Multiplier
- 2/4/6 Channel Inputs / Separate F/R Crossover
- 6 Channel Outputs

**BCX100**

SONIC BASS ENHANCER WITH REMOTE BASS CONTROL

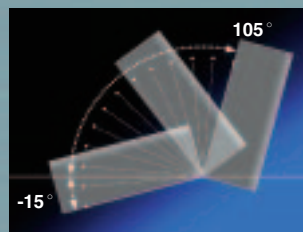
- Selectable Crossover Frequency 70, 90, or 120 Hz
- Remote In and Out
- Wired Remote Control included
- Subsonic Filter

**Compact for Installation Anywhere**



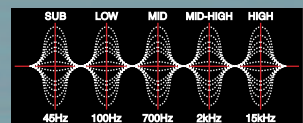
The DCZ625 and DC625 are so compact that they will fit almost anywhere in your car: in the boot, on the rear parcel shelf, or hanging under the dash. They say good things come in small parcels — the DCZ625 and DC625 are just such parcels.

**Compact Format and Flexible Mounting Angle**



Clarion gives you total freedom to choose where the CD changer should be installed. Clarion CD changers are compact and light, and can all be mounted horizontally, vertically or at an angle.

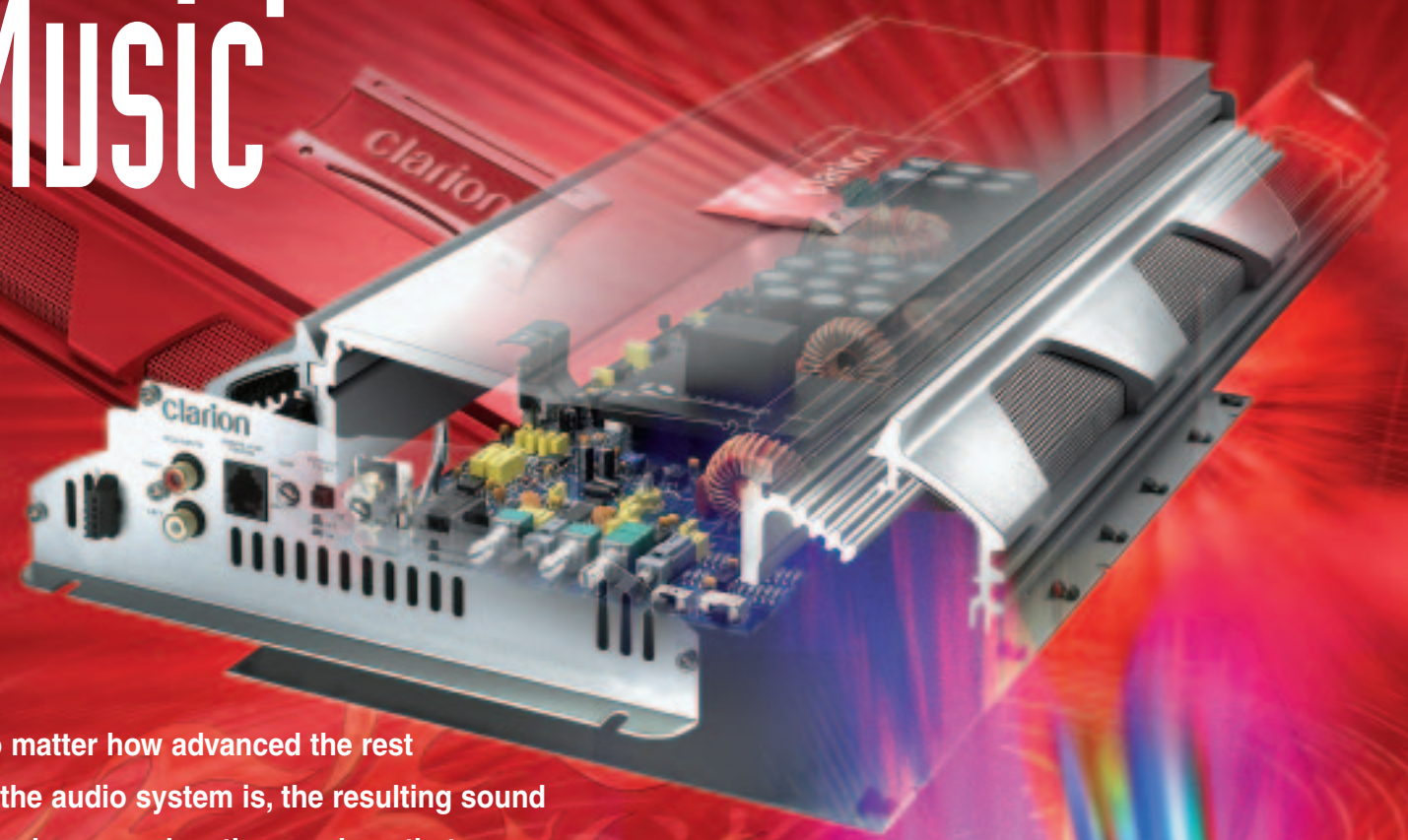
**5-Band Graphic Equaliser for Full System Sound Control**



EQS560 is a 5-Band Graphic Equaliser used to make frequency adjustments from 45Hz ~ 15kHz in five frequency bands. The EQS560 is used to make adjustments on frequency peaks and dips caused by interior size, seat shape/material, or by other vehicle factors. Moreover, you can tune the audio frequency point and level to boost or cut specific frequency points and create your own preferred sound. With the AUX input, you can equalise both audio source unit, and other sound applications such as a portable DVD or VCR. The 7V RCA output gives you a high signal-to-noise ratio to drive your audio system to full power.



# Ready to Move Your Music



No matter how advanced the rest of the audio system is, the resulting sound is only as good as the speakers that reproduce it and the amplifiers that drive it. Amplifiers and speakers are the decisive factors in audio reproduction, and with our selection of high-performance products we make it easy for you to decide on Clarion. Whether it's crystal clear high tones, earth-shaking bass or anything in between, you can find the optimum performance to match your car and your musical lifestyle. And if you're creating a 5.1-ch surround system, Clarion's amplifiers and speakers are the ideal way to reproduce the spatial presence of a movie theatre with the quality provided by DVD.

## The Amplifier Technologies to Excite Your Soul

### ● Pulse-width Regulated MOS-FET Power Supply

Pulse-width regulation adjusts the width of the power supply's switching pulses to serve constantly changing audio power needs. When music dynamics increase, or the volume is raised, the pulses stay on longer to charge the power supply capacitors across the DC rails in the power supply. By using this type of power supply, Clarion can build a smaller amplifier that generates less heat and is more efficient. The amplifier will sound much cleaner, with better bass and transient response.

### ● Power System Amplifiers Unique Circuitry

Clarion's Power System amplifiers contain unique circuitry in both the input and output sections for noise suppression, fast transient response, and minimum distortion. This includes high-impedance differential input stages, global feedback, and premium devices with very high slew rates. High-impedance differential input stages separate the input signal ground from the common chassis ground. This creates a very effective groundloop isolation circuit that reduces the possibility of charging system noise from entering the signal path.

### ● 2-Ohm Stability

With this design, Power System amplifiers can drive lower impedance loads for increased power and can be bridged for mono operation across a 4-ohm load. All Clarion amplifiers are designed to run at 2-ohm loads with increased power and reliability. 2-ohm stability allows the amplifier to run multiple speakers in more complex systems. As a direct result, the amplifier can provide 150 percent more power in 2-ohm stereo, or more than 300 percent in 4-ohm bridged mono.

## The Speaker Technologies to Get You Noticed

### ● Subwoofers

Clarion subwoofers are designed to handle large amounts of power for groundpounding bass. They feature an inverted rubber surround for increased cone movement, strong stamped steel frames for added stiffness, and polypropylene cones plated with aluminium for low mass and improved strength. And the Kapton voice coils can take the heat – the type of heat from high input levels that would cause voice coil meltdown in a lesser subwoofer. Crank up the power full blast, and count on these subwoofers to deliver.



### ● Phaze One Speaker Lineup

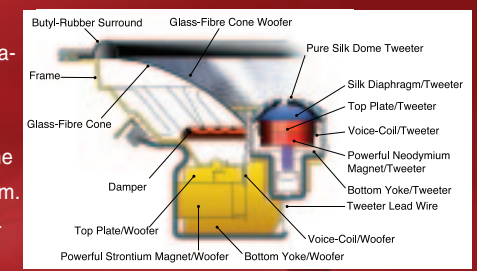
Clarion's Phaze One speaker series is synonymous with high performance. As before, they use MIPP (Mica Injected Polypropylene) cones with a molecular structure that radiates from the inside outward, to attain the lightness and rigidity necessary to create speakers with superior response even to the fast transients of digital sources. Our tweeters use a balanced dome PEI (Poly Ether Imide) design for superior high frequency sound reproduction and off-axis response when mounted in the factory door speaker location. Powerful Neodymium magnets are used for increased imaging accuracy.



### ● In-phase Coaxial 2-Way System



Unlike conventional 2-way speakers, these feature a tweeter that is mounted on the same axis and the same plane as the woofer diaphragm. The sound waves emanating from the tweeter are in-phase with the woofer, delivering frequency response that is flatter throughout the sound spectrum including the crossover frequencies, as well as a dramatic reduction in phase distortion. The tweeter guard is designed to protect the tweeter dome while minimising interference.



### ● Sound Explorer Speaker Lineup

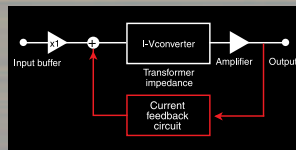
Clarion's Sound Explorer series of custom fit 2-way coaxial speakers provides an ideal match for digital sound sources. Their soft dome tweeters use pure silk-cloth diaphragms to achieve excellent dynamics with the ability to reproduce highs of 80 kHz, offer superior responsiveness to recreate subtle nuances, as well as a much wider sound dispersion over conventional cone diaphragms. Tweeter voice coils are wound around heat-resistant polyimide bobbins to handle high-powered input signals over prolonged periods of time.







The ultimate power from this Clarion high-end HX amplifier opens up the door to a new sound dimension.



Through its intelligent use of the best state-of-the-art technology, Clarion achieves previously unheard-of criteria for quality and dynamics in music reproduction. The top-of-the-range HX series has the unequalled potential for totally accurate reproduction of the finest musical nuances. A combination of high-power electronic components and the latest in switching technology guarantee faithful reproduction of ultra-high sounds (up to 100 kHz), as well as a rich mid-range and full-power bass notes. All without distortion and with exceptionally stable output signals in all channels.

**Ultrasonic reproduction prevents phase distortion**

**Direct input for ultimate signal transfer**

**Power Guard**

If there is any over-modulation in the signal, the Power Guard circuit automatically attenuates the input signal to prevent the dreaded clipping effect. This is an effective way of protecting your speakers - and ears.



\*APA4300HX is not available in Australia.

**APA4300HX**

4/3/2 CHANNEL POWER AMPLIFIER



- Bridgeable for 4-3 or 2-ch mode operation
- Power Guard Circuit
- Low-loss Power Supply with high power output
- Continuous Average Power Output: 300 W (4 x 75 W into 4-ohms, 20 Hz-20 kHz, 0.002 % THD)

- Maximum Power Output: 600 W (4 x 150 W into 4-ohms)
- 2-ohm Stability
- Variable 4-ch low-pass filter and high-pass filter (50-200Hz)
- Bass Extender (40~120 Hz, 0-12 dB)
- Direct Input
- Digital Display with 4 channel status information
- Aluminium Housing with built-in cooling fan
- Speaker level input terminals
- 100 kHz Extremely High Frequency Reproduction
- Dolby Digital/dts Ready



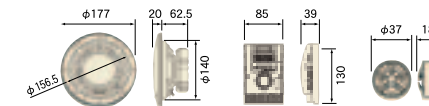
**SRS1750HX 200W**

17cm 2-WAY COMPONENT SYSTEM



- 16.5 cm Glass-Fibre Cone Mid-range/Woofer
- Woofer with Powerful Strontium Magnet
- 2 cm Pure Silk Dome Tweeter with Neodymium Magnet
- 120 kHz Extremely High Frequency Reproduction
- Super Heat-Resistant Voice Coil and Polyimid 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
- Powerful Neodymium Magnet (Tweeter)
- Dolby Digital/dts Ready
- Fs: 65 Hz
- Qts:0.65
- Vas: 20.0 litres
- Music Peak Power 200 W
- Frequency Response 25~120,000 Hz
- Efficiency 91 dB



**HX Series: A Difference You Can Hear and See**

New digital media are constantly pushing the limit on sound quality. Clarion's HX Series takes them on with Super Tweeters capable of reproducing an amazing 120 kHz, making them ideal for 5.1 channel applications where sound quality is a key factor. And the glass fibre woofer cone offers improved internal loss and sound propagation in order to accommodate the broader dynamic range of digital sources such as DVDs and CDs. HX Series — your source for dynamic looks and dynamic sound.



**SRH290HX 200W**

2 cm SUPER TWEETERS



- 2 cm Pure Silk Dome Tweeter with Neodymium Magnet
- Built-in-6 dB/oct. Crossover Network
- Dolby Digital/dts Ready
- Installation Kit Included
- Suitable for installation in many passenger cars
- Music Peak Power 200 W
- Frequency Response 1500~120,000 Hz
- Efficiency 90 dB





**High-Quality, High-Efficiency Class-T Digital High-Power Amplifier**

Clarion's DPX1001.2 incorporates a new amplification circuit, which is developed with the latest digital processing technology and high-capacity power supply circuit of MOS-FET technology. These technologies deliver high-power superior sound with low-harmonic and inter-modulated distortion, and high signal-to-noise ratio. The ultimate high performance amplifier system, DPX1001.2 has full capability to drive a dynamic, rich and subtle sound in DVD, CD or other digital sources that comply to the highest standard.

**New Algorithms for Low-Distortion and Low-Noise**

DPX1001.2 has a new algorithm of the Class-T system developed with a high-speed digital encoding and decoding system giving you low-distortion and low-noise in full frequency range.

**High-Efficiency Power Amplifier Circuit for Dynamic Output**

The ultra high power-efficiency and low-power loss in the circuitry of the DPX1001.2 delivers full high-power output and drives the speaker with full dynamic impact.

**Minimum Heat Generation**

High-power amplifiers usually have a huge heat-sink to radiate heat caused by the internal power transistors. The DPX1001.2 has exclusive circuitry designed with low heat output transistor capacity, effectively minimising these heat emitting conditions. This has created a compact exterior design that enables multiple installation locations.



**MAY 1000W MAX**

**DPX1001.2**

**2/1 CHANNEL DIGITAL POWER AMPLIFIER**

- Maximum Power Output: 1000 W
- Continuous Average Power Output: 300 W (150 W X 2) (4-Ohms, 20 Hz-20 kHz @0.05 % THD)
- Typical 2-Ohm Stereo @0.5 % THD: 300 W X 2
- Typical Bridged Power 1kHz @1.0 % THD: 1000 W
- Bass Extender Control 0-18 dB @45 Hz
- Variable Crossover Frequency (Low Pass) 55 Hz - 5.5 kHz, 12/24 dB/oct.

- Subsonic Filter
- Remote Level Control Included
- Bridgeable 2/1 Channel Operation
- Speaker Level Inputs
- 4 Layer Glass Epoxy Circuit Board

**The DPX1001.2 Digital Amplifier**

For years Class-A and Class-AB amplifiers have dominated the marketplace, but Digital Amplifiers have gained market share in the past few years. Digital technologies allow high power output in smaller chassis that are not as expensive as conventional amplifiers. Class-T amplifiers use this technology but the main difference is that Class-T amplifiers offer higher signal fidelity for better sound quality. The DPX1001.2 Digital Amplifier utilises Class-T technologies. Class-T provides power efficiencies of 80-90% that benefit consumers in many ways. This high efficiency provides more power output in a smaller package with less input power. Heat dissipation is held down to a minimum, requiring a smaller amplifier package size and smaller heat sink surface area. Because Class-T digital amplifiers can run full frequency, they can be used in more applications, not just as a subwoofer amplifier. This is advantageous when using

this amplifier in a 5.1 channel mobile theatre application, which requires maximum dynamic sound quality for reproduction of extreme low frequency surround sound effects.

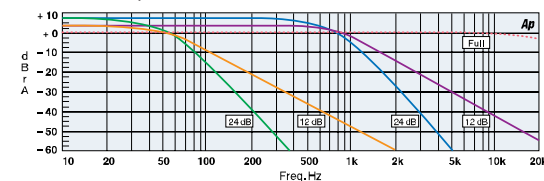


Gold-Plated Block Terminals

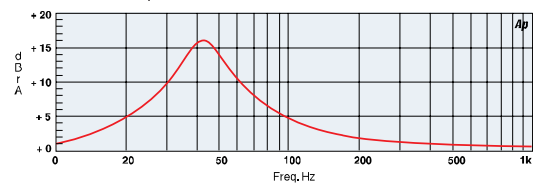


Gold-Plated RCA Connectors

Crossover lowpass



Bass boost response



**APX401.4**

**4/3/2 CHANNEL POWER AMPLIFIER**

- Maximum Power Output: 400 W
- Continuous Average Power Output: 200 W (50 W X 4) (4-Ohms, 20 Hz-20 kHz @0.05 % THD)
- Typical 2-Ohm Stereo @0.5 % THD: 90 W X 4
- Typical Bridged Power 1 kHz @1.0% THD: 190 W X 2
- Bass Extender Control 0-18 dB @45 Hz
- Variable Crossover Frequency (High/Low Pass) 55 Hz - 5.5 kHz, 12 dB/oct.
- Mixed-mode Operation
- Bridgeable 4/3/2 Channel Operation
- Speaker Level Inputs
- Double-Sided Glass Epoxy Circuit Board



**MAY 400W MAX**

**APX401.2**

**2/1 CHANNEL POWER AMPLIFIER**

- Maximum Power Output: 400 W
- Continuous Average Power Output: 200 W (100W X 2) (4-Ohms, 20 Hz-20 kHz @0.05 % THD)
- Typical 2-Ohm Stereo @0.5 % THD: 190 W X 2
- Typical Bridged Power 1 kHz @1.0 % THD: 380 W
- Bass Extender Control 0-18 dB @45 Hz
- Variable Crossover Frequency (High/Low Pass) 55 Hz - 5.5 kHz, 12 dB/oct.
- Mixed-mode Operation
- Bridgeable 2/1 Channel Operation
- Speaker Level Inputs
- Double-Sided Glass Epoxy Circuit Board



**MAY 400W MAX**

**APX201.2**

**2/1 CHANNEL POWER AMPLIFIER**

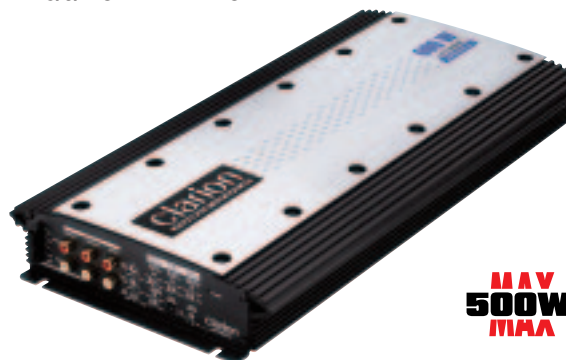
- Maximum Power Output: 200 W
- Continuous Average Power Output: 100 W (50 W X 2) (4-Ohms, 20 Hz-20 kHz @0.05 % THD)
- Typical 2-Ohm Stereo @0.5 % THD: 110 W X 2
- Typical Bridged Power 1 kHz @1.0 % THD: 230 W
- Bass Extender Control 0-18 dB @45 Hz
- Variable Crossover Frequency (High/Low Pass) 55 Hz - 5.5 kHz, 12 dB/oct.
- Mixed-mode Operation
- Bridgeable 2/1 Channel Operation
- Speaker Level Inputs
- Double-Sided Glass Epoxy Circuit Board



**MAY 200W MAX**

**APX600.5**

**5/3/2 CHANNEL POWER AMPLIFIER**



**MAY 500W MAX**

- Maximum Power Output: 500W
- Continuous Average Power Output: 240 W (35 W X 4/ 100 W X 1) (4-Ohms, 20 Hz-20 kHz @0.05 % THD)
- Typical 2-Ohm Stereo @0.5 % THD: 75 W X 4/190 W X 1
- Typical Bridged Power 1 kHz @1.0 % THD: 150 W X 2/190 W X 1
- Bass Extender Control 0-15 dB @45 Hz
- Variable Crossover Frequency (High/Low Pass) 55 Hz - 5.5 kHz, 12 dB/oct.
- Variable Crossover Frequency (Sub) 55 Hz - 550 Hz, 12/24 dB/oct.
- Mixed-mode Operation
- Bridgeable 5/4/3 Channel Operation
- Speaker Level Inputs
- 4 Layer Glass Epoxy Circuit Board

**Gold-Plated RCA Connectors**



Superior conductivity is achieved by using gold plating in the signal system to minimise the contact resistance and reduce noise. Moreover, since non-magnetic gold is not affected by external magnetic fields, magnetic distortion is also prevented.

**Gold-Plated Block Terminals**



Gold-plated block terminals are used in the power supply terminals and speaker terminals. Gold can be made with extremely low electrical resistance and low contact resistance for preventing voltage drops, noise, heating, and other problems from occurring.

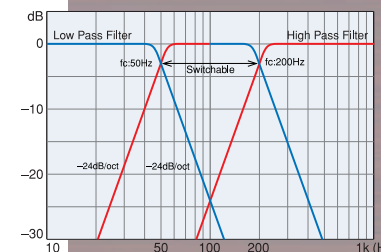
**Toroidal Choke Coils**



Toroidal choke coils are used in the power supply circuitry. Because these coils are resistant to magnetic noise and have a low DC resistance, they contribute to a high-efficiency, low-noise power supply.

**Variable High/Low-Pass Filter**

All Power System amplifiers have built-in low-pass and high-pass filters (12/24 dB/oct.) allowing adjustment in the 50 to 200 Hz frequency range over all channels so that a multi-amplifier and subwoofer system can be configured with ease.





**Subwoofer System for Powerful, Booming Bass**

Playback of low frequency sounds is an essential component of car entertainment systems. By simply configuring your subwoofer system using Clarion's subwoofer and high-power amplifiers, you can experience playback of bass with added impact. The subwoofer has been designed for high input with its aluminium polypropylene cone and large double stacked strontium-ferrite magnets. A wide surround increases cone throw for deeper bass output.

**Aluminium-Coated Polypropylene Cone**

Clarion's high rigidity, light-weight polypropylene cone uses a aluminium coating that has an internal stiffness that is ideal for woofers. The combined effect of the high-molecular polypropylene and aluminium allows high input power with dynamic impact and low distortion.

**Chrome-Plated Terminals**

The speaker terminals are chrome-plated push-on types with minimum contact resistance and high transmission efficiency.



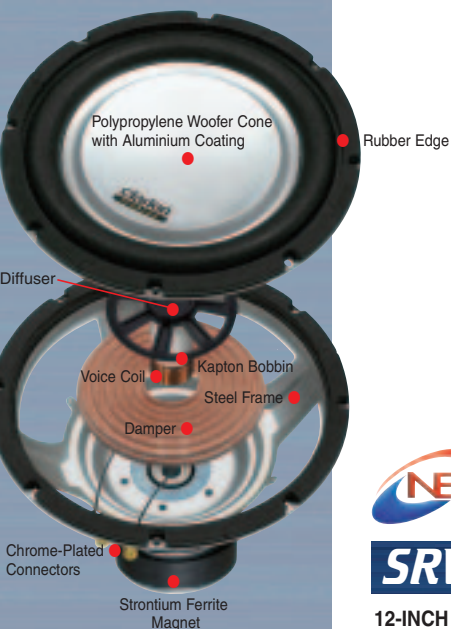
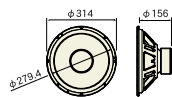
**SRW1283 600W**

12-INCH DUAL VOICE COIL SUBWOOFER



- Polypropylene Woofer Cone with Aluminium Coating
- Dual 4-Ohm Voice Coil

- Heat Resistant Voice Coil
- Kapton Bobbin
- Rear-Vented Pole Piece
- Inverted Rubber Surround
- Dust Cap with Clarion Embossed Logo
- Chrome Plated Terminals
- Large Strontium Ferrite Magnet
- 600 Watt Maximum Music Power



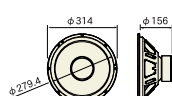
**SRW1243 600W**

12-INCH SINGLE VOICE COIL SUBWOOFER



- Polypropylene Woofer Cone with Aluminium Coating
- Single 4-Ohm Voice Coil

- Heat Resistant Voice Coil
- Kapton Bobbin
- Rear-Vented Pole Piece
- Inverted Rubber Surround
- Dust Cap with Clarion Embossed Logo
- Chrome Plated Terminals
- Large Strontium Ferrite Magnet
- 600 Watt Maximum Music Power

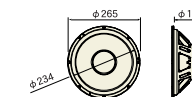


**SRW1083 500W**

10-INCH DUAL VOICE COIL SUBWOOFER



- Polypropylene Woofer Cone with Aluminium Coating
- Dual 4-Ohm Voice Coil
- Heat Resistant Voice Coil
- Kapton Bobbin
- Rear-Vented Pole Piece
- Inverted Rubber Surround
- Dust Cap with Clarion Embossed Logo
- Chrome Plated Terminals
- Large Strontium Ferrite Magnet
- 500 Watt Maximum Music Power

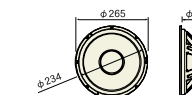


**SRW1043 500W**

10-INCH SINGLE VOICE COIL SUBWOOFER



- Polypropylene Woofer Cone with Aluminium Coating
- Single 4-Ohm Voice Coil
- Heat Resistant Voice Coil
- Kapton Bobbin
- Rear-Vented Pole Piece
- Inverted Rubber Surround
- Dust Cap with Clarion Embossed Logo
- Chrome Plated Terminals
- Large Strontium Ferrite Magnet
- 500 Watt Maximum Music Power



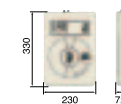
**Explosive Bass Performance to Turbocharge Your Entertainment**



**SRV303**

20 cm COUNTER DRIVE POWERED SUBWOOFER

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



**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.

**Sound Adjusting while Driving**

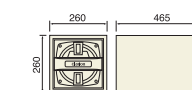
The cockpit controller lets you easily adjust the sound characteristics from the driver's seat.



**SRV202**

20 cm AIR COMPRESSION POWERED SUBWOOFER

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



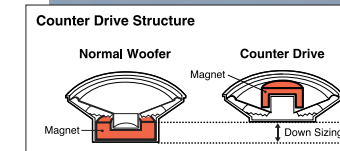
**Rear-Vented Pole Piece**

To prevent pressure from building up inside the centre cap and causing increased amplitude distortion, a vent is provided on the rear of the pole piece, resulting in completely smooth cone movement, which contributes to the open, airy sound of the speakers.

**Powerful Strontium Magnet**

A high-conductivity magnet is used in Clarion's speaker systems to obtain an air-gap magnetic flux density significantly higher than that obtained from ferrite magnets. Combining this magnet with the heat-resistant voice coil results in speakers that are able to deliver powerful playback at large inputs with improved damping while maintaining the integrity of the digital source.

**Unique Counter-Drive System enables Mounting of Large Calibre 20 cm Woofer (SRV303)**



Incorporates Clarion's proprietary system of mounting the driver magnet on the lid side of the woofer cone. As a result, it is possible to fit a large calibre 20cm woofer inside a slim and compact body. So you can enjoy dynamic bass performance without taking up a lot of space.

**20 cm Dual Voice Coil Woofer for Exciting Bass (SRV202)**

By using a dual voice coil in the magnetic circuit, it is able to deliver balanced frequency characteristics even when pumped up to the max. With a stroke that is true to the input signal, it enables sound reproduction with crystal clear realism. At low volume levels, its expander circuit kicks in to adjust the low frequency range.



**Fully-Featured 2-Way Crossover Network at -12 dB/oct.**



Crossover network performance affects the characteristics of the multi-way speaker system. Clarion's crossover networks use selected coils and capacitors with high Q to realise slope characteristics of -12 dB/oct. and low loss. The combination of the sharpness with slope characteristics of -1 dB/oct. and the superior phase characteristics results in a natural sound with a smooth transition between the woofers and tweeters. The system also incorporates a tweeter level attenuator so that you can adjust the tweeters to the desired level for maximum listening pleasure.

**Silk-Cloth Soft Dome Tweeter**

Clarion's power system series (SRS1684/1384) tweeters use silk soft dome. The suppleness of silk, strengthened by a lamination layer, provides natural, finely detailed sound. These tweeters offer superb transient response, even at very low input levels.

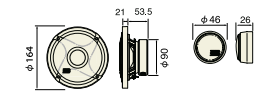
**Neodymium Magnet**

While extremely compact, the neodymium magnet also has very high magnetic energy (BHmax). The powerful magnetic field and minimum magnetic distortion deliver superb sound.



**SRS1684 200W**

16 cm 2-WAY COMPONENT SYSTEM



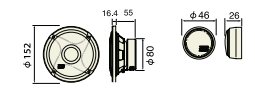
- 16.5 cm Metal Coated MIPP Cone Woofer
- 2 cm Silk Soft Dome Tweeter with Neodymium Magnet
- Heat-Resistant Kapton Voice Coil
- Rubber Surround
- Powerful Strontium Magnet
- Tweeter 2-Way Mounting (Surface/Flush)
- 2-Way 12 dB/oct. Passive Crossover
- Tweeter Protection
- Digital Ready
- 200 W Music Peak Power



SRS1384 is not available in Australia

**SRS1384 160W**

13 cm 2-WAY COMPONENT SYSTEM



- 13 cm Metal Coated MIPP Cone Woofer
- 2 cm Silk Soft Dome Tweeter with Neodymium Magnet
- Heat-Resistant Kapton Voice Coil
- Rubber Surround
- Powerful Strontium Magnet
- Tweeter 2-Way Mounting (Surface/Flush)
- 2-Way 12 dB/oct. Passive Crossover
- Tweeter Protection
- Digital Ready
- 160 W Music Peak Power



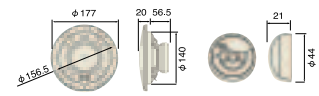
**SRS1724 170W**

17 cm 2-WAY SEPARATE SPEAKERS



- 16.5 cm MIPP Cone Woofer
- 2.5 cm Metallised PEI Balanced-Drive Tweeter
- Powerful Strontium Magnet

- In-Line -6 dB/oct Crossover Network
- Tweeter 2-Way Mounting (Surface/Flush)
- Rear-Vented Pole Piece
- Digital Ready
- 170 W Music Peak Power
- Fs: 60 Hz / Qts: 0.60 / Vas: 14.0 Litres
- Frequency Response: 28-32,000 Hz
- Efficiency: 91 dB



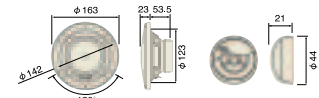
**SRS1624 170W**

16 cm 2-WAY SEPARATE SPEAKERS



- 16.5 cm MIPP Cone Woofer
- 2.5 cm Metallised PEI Balanced-Drive Tweeter
- Powerful Strontium Magnet

- In-Line -6dB/oct Crossover Network
- Tweeter 2-Way Mounting (Surface/Flush)
- Rear-Vented Pole Piece
- Digital Ready
- 170W Music Peak Power
- Fs: 75Hz / Qts: 0.69 / Vas: 7.1 Litres
- Frequency Response: 30-32,000Hz
- Efficiency: 91dB



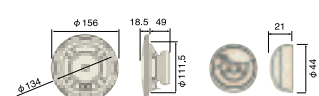
**SRS1324 170W**

13 cm 2-WAY SEPARATE SPEAKERS

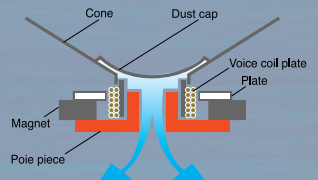


- 13 cm MIPP Cone Woofer
- 2.5 cm Metallised PEI Balanced-Drive Tweeter
- Powerful Strontium Magnet

- In-Line -6dB/oct Crossover Network
- Tweeter 2-Way Mounting (Surface/Flush)
- Rear-Vented Pole Piece
- Digital Ready
- 170W Music Peak Power
- Fs: 65Hz / Qts: 0.48 / Vas: 7.8 Litres
- Frequency Response: 40-32,000Hz
- Efficiency: 90dB



**Rear-Vented Pole Piece**



To prevent pressure from building up inside the dust cap and causing increased amplitude distortion, a vent is added on the rear of the pole piece, resulting in completely smooth cone movement, which contributes to the natural sound of the Phase 1 separates. Also, a vented pole piece helps air to flow over the voice coil, cooling it and allowing the voice coil to handle more power.

**Mica Polypropylene Mixed Injection Cone**



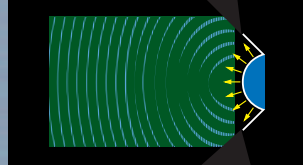
These injection moulded diaphragms use polypropylene with mica particles blended in, with a molecular structure that radiates from the inside out, to attain the lightness and rigidity necessary to create speakers with superior response even to the fast transients of digital sources.



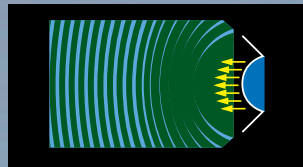
**Dome Tweeter for Wide Sound Dispersion**



The soft dome tweeter diaphragms used in Clarion Sound Explore Series deliver a much wider sound dispersion over conventional cone diaphragms. These dome tweeters

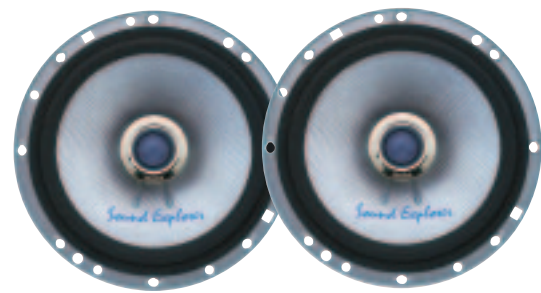


Spherical wave emitted from the soft dome diaphragm



Spherical wave emitted from a typical dome diaphragm

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.

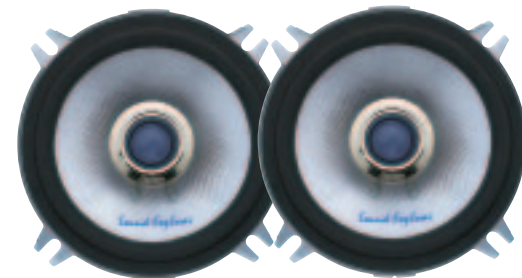
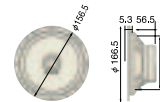


**SRC1773 200W**

CUSTOM FIT 17cm COAXIAL 2-WAY SPEAKERS



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

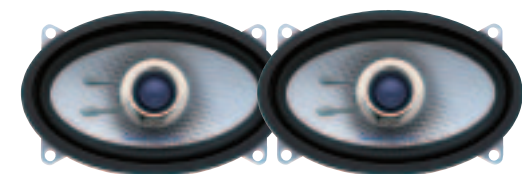
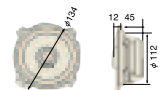


**SRC1373 160W**

CUSTOM FIT 13 cm COAXIAL 2-WAY SPEAKERS



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

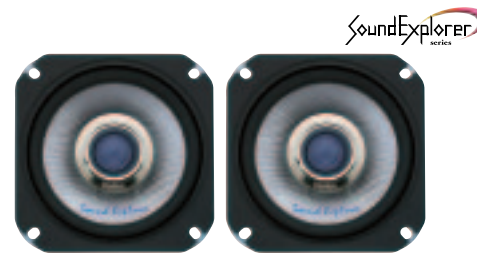
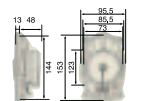


**SRC4673 120W**

CUSTOM FIT 10 X 13 cm COAXIAL 2-WAY SPEAKERS



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

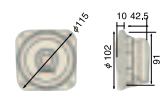


**SRC1074 120W**

CUSTOM FIT 10 cm COAXIAL 2-WAY SPEAKERS

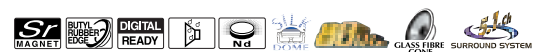


- 10 cm Glass-Fibre Cone Woofer
- 2 cm Pure Silk Dome Tweeter with Neodymium Magnet
- Powerful Strontium Magnet
- Super Heat-Resistant Voice Coil and Polyimide Bobbin
- Butyl-Rubber Surround
- Dolby Digital/dts Ready
- 120 W Music Peak Power
- Frequency Response: 40–80,000 Hz
- Efficiency: 90 dB

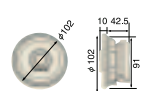


**SRC1073 120W**

CUSTOM FIT 10 cm COAXIAL 2-WAY SPEAKERS



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

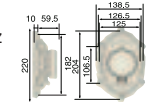


**SRC5724 140W**

CUSTOM FIT 13 X 18 cm COAXIAL 2-WAY SPEAKERS



- 2.5 cm Metallised PEI Balanced-Drive Tweeter
- 13 X 18 cm MIPP Cone Woofer
- Powerful Strontium Magnet
- Super Heat-Resistant Voice Coil and Polyimide Bobbin
- Digital Ready
- 140 W Music Peak Power
- Frequency Response: 35–28,000 Hz
- Efficiency: 91 dB

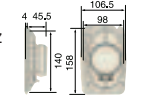


**SRC4624 100W**

CUSTOM FIT 10 X 15 cm COAXIAL 2-WAY SPEAKERS



- 2.5 cm Metallised PEI Balanced-Drive Tweeter
- 10 X 15 cm MIPP Cone Midrange/Woofer
- Powerful Strontium Magnet
- Super Heat-Resistant Voice Coil and Polyimide Bobbin
- Digital Ready
- 100 W Music Peak Power
- Frequency Response: 45–28,000 Hz
- Efficiency: 91 dB

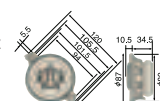


**SRC924 60W**

CUSTOM FIT 9 cm COAXIAL 2-WAY SPEAKERS



- 2.5 cm Metallised PEI Balanced-Drive Tweeter
- 8.7 cm MIPP Cone Midrange/Woofer
- Powerful Strontium Magnet
- Super Heat-Resistant Voice Coil and Polyimide Bobbin
- Digital Ready
- 60 W Music Peak Power
- Frequency Response: 60–28,000 Hz
- Efficiency: 89 dB



**SRH204 170W**

2 cm BALANCED DRIVE TWEETERS



- 2 cm Metallised PEI Balanced-Drive Tweeter
- Powerful Neodymium Magnet
- Super Heat-Resistant Voice Coil and Polyimide Bobbin
- In-Line -6 dB/oct Crossover Network
- 2-Way Mounting (Surface/Flush)
- Digital Ready
- 170 W Music Peak Power
- Frequency Response: 3,000–30,000 Hz
- Efficiency: 89 dB

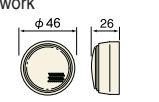


**SRH284 120W**

2 cm SILK SOFT DOME TWEETERS



- 2 cm Silk Soft Dome Tweeter with Neodymium Magnet
- Powerful Neodymium Magnet
- 2-Way Mounting (Surface/Flush)
- In-Line 6 dB/oct. Crossover Network
- Tweeter Protection
- Digital Ready
- 120 W Music Peak Power



SRH284 is not available in Australia

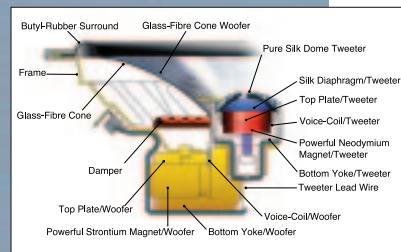
**Change Your Speakers and Bring Your Audio to Life**

If you have ever thought of changing your preinstalled speakers to change 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 PEI cones for exceptional durability, excellent frequency characteristics, and outstanding output sound pressure levels (sensitivity).



**In-Phase Coaxial**



In-Phase Coaxial 2-Way System delivers flat frequency response and eliminates phase distortion for superior results in high-end 5.1 channel audio systems.

**Glass Fibre Cone**

Featured on our In-phase Coaxial series, this new material offers high strength both vertically and horizontally, enabling it to improve internal loss and sound propagation — characteristics that are essential in order to accommodate the broader dynamic range of DVDs as well as deliver a first-class experience with any digital source.

**Powerful Strontium Magnet**

A high-conductivity magnet is used in Clarion's speaker systems to obtain an air-gap magnetic flux density significantly higher than that obtained from ferrite magnets. Combining this magnet with the heat-resistant voice coil results in speakers that are able to deliver powerful playback at large inputs with improved damping while maintaining the integrity of the digital source.

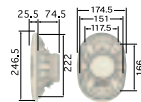


**SRX6984 280W**

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



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

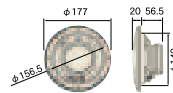


**SRX1784 200W**

17 cm IN-PHASE COAXIAL 2-WAY SPEAKERS



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

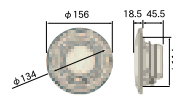


**SRX1384 160W**

13 cm IN-PHASE COAXIAL 2-WAY SPEAKERS



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

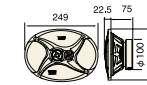


**SRR6984 200W**

15 x 23 cm MULTI-AXIAL 3-WAY SPEAKERS



- 15 X 23 cm Metal Coated MIPP Cone Woofer
- 5 cm PEI Cone Mid Range
- 1.3 cm Balanced Drive PEI Tweeter with Neodymium Magnet
- Heat-Resistant Kapton Voice Coil
- Rubber Surround
- Powerful Strontium Magnet
- 200 W Music Peak Power



**SRR1684 160W**

16 cm COAXIAL 2-WAY SPEAKERS



- 16.5 cm Metal Coated MIPP Cone Woofer
- 1.3 cm Balanced Drive PEI Tweeter with Neodymium Magnet
- "Gyro Imaging" Angled Pivoting Tweeter
- Heat-Resistant Kapton Voice Coil
- Rubber Surround
- Powerful Strontium Magnet
- 160 W Music Peak Power

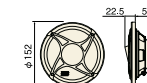


**SRR1384 120W**

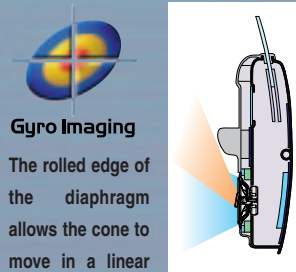
13 cm COAXIAL 2-WAY SPEAKERS



- 13 cm Metal Coated MIPP Cone Woofer
- 1.3 cm Balanced Drive PEI Tweeter with Neodymium Magnet
- "Gyro Imaging" Angled Pivoting Tweeter
- Heat-Resistant Kapton Voice Coil
- Rubber Surround
- Powerful Strontium Magnet
- 120 W Music Peak Power



**Gyro Imaging Tweeter**



**Gyro Imaging**

The rolled edge of the diaphragm allows the cone to move in a linear direction while instantaneously stopping movement when the signal has been reproduced. Highly durable and moisture-resistant, this special rubber surround cuts distortion and further improves linearity. Clarion's Power System speakers feature this component.

**Mica Polypropylene Mixed Injection Cone**



The cool silver cone that delivers hot sound performance. These injection moulded diaphragms use polypropylene with mica particles blended in, with a molecular structure that radiates from the inside outward, to attain the lightness and rigidity necessary to create speakers with superior response even to the fast transients of digital sources. The Power System speakers use this technology with the added benefit of metal plating to make the speaker cone even stiffer for better power handling and sound quality. The result you hear is a clean and clear sound with very low distortion.





**Chrome-coat Tweeter Ring**



This tweeter support not only safeguards the tweeter but is also designed to minimise sonic interference. Needless to say, the chrome-like finish accents the speaker design and makes a fashion statement even when the speaker grill is attached.

**Change Your Speakers and Bring Your Audio to Life**

If you have ever thought of upgrading your factory speakers to enhance your car entertainment experience, Clarion's Phaze One speakers may be just what you're looking for. By replacing the speakers that are already mounted in your car, you can enjoy a clearer sound quality with added impact. Clarion's woofers use water-resistant and UV-resistant Mica Injected polypropylene cones. Tweeters use a balance drive PEI dome with superior high-range frequency characteristics together with metalized PEI midrange cones for exceptional durability, excellent frequency characteristics, and outstanding output sound pressure levels (sensitivity).

**Coaxial Speakers**

Clarion's new coaxial speakers were developed for integrating the sound sources of the multiway speakers at a single point on the same axis. The speakers have been designed so that the low and midrange sounds from the woofers and the high-range sounds from the tweeter have the phases correctly aligned at the listening position. This allows smooth frequency response over a wide range and precise positioning of the sound field with superior phase characteristics.



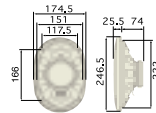
**SRR6934 220W**

15 x 23 cm MULTI-AXIAL 3-WAY SPEAKERS



- 15 X 23 cm MIPP Cone Woofer
- 6.6 cm Metallised PEI Cone Mid-Range

- 1.6 cm Metallised PEI Dome Tweeter
- Powerful Strontium Magnet
- Super Heat-Resistant Voice Coil and Polyimid Bobbin
- Digital Ready
- 220 W Music Peak Power
- Frequency Response: 28-30,000 Hz
- Efficiency: 92 dB



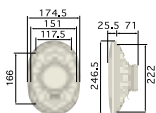
**SRR6924 200W**

15 x 23 cm COAXIAL 2-WAY SPEAKERS



- 15 X 23 cm MIPP Cone Woofer
- 6.6 cm Metallised PEI Cone Tweeter

- Powerful Strontium Magnet
- Super Heat-Resistant Voice Coil and Polyimid Bobbin
- Digital Ready
- 200 W Music Peak Power
- Frequency Response: 28-28,000 Hz
- Efficiency: 92 dB



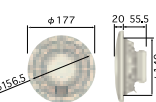
**SRR1734 180W**

17 cm MULTI-AXIAL 3-WAY SPEAKERS



- 16.5 cm MIPP Cone Woofer
- 2.5 cm Metallised PEI Balanced-Drive Mid-Range

- 0.8 cm Metallised PEI Dome Tweeter
- Powerful Strontium Magnet
- Super Heat-Resistant Voice Coil and Polyimid Bobbin
- Digital Ready
- 180 W Music Peak Power
- Frequency Response: 28-30,000 Hz
- Efficiency: 91 dB



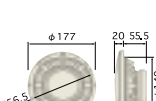
**SRR1724 160W**

17 cm COAXIAL 2-WAY SPEAKERS



- 16.5 cm MIPP Cone Woofer
- 2.5 cm Metallised PEI Balanced-Drive Tweeter

- Powerful Strontium Magnet
- Coaxial 2-Way
- Super Heat-Resistant Voice Coil and Polyimid Bobbin
- Digital Ready
- 160W Music Peak Power
- Frequency Response: 28-28,000Hz
- Efficiency: 91dB

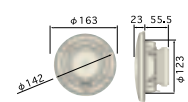


**SRR1634 180W**

16 cm MULTI-AXIAL 3-WAY SPEAKERS



- 16.5 cm MIPP Cone Woofer
- 3 cm Metallised PEI Balanced-Drive Mid-Range
- 0.8 cm Metallised PEI Dome Tweeter
- Powerful Strontium Magnet
- Super Heat-Resistant Voice Coil and Polyimid Bobbin
- Digital Ready
- 180 W Music Peak Power
- Frequency Response: 30-30,000 Hz
- Efficiency: 91 dB

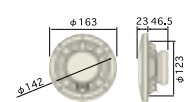


**SRR1626 160W**

16 cm COAXIAL 2-WAY SPEAKERS



- 16.5 cm MIPP Cone Woofer
- 3 cm Metallised PEI Balanced-Drive Tweeter
- Powerful Strontium Magnet
- Super Heat-Resistant Voice Coil and Polyimid Bobbin
- Digital Ready
- 160 W Music Peak Power
- Frequency Response: 30-28,000 Hz
- Efficiency: 91 dB

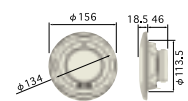


**SRR1334 140W**

13 cm MULTI-AXIAL 3-WAY SPEAKERS



- 13 cm MIPP Cone Woofer
- 2.5 cm Metallised PEI Balanced-Drive Mid-Range
- 0.8 cm Metallised PEI Dome Tweeter
- Powerful Strontium Magnet
- Super Heat-Resistant Voice Coil and Polyimid Bobbin
- Digital Ready
- 140 W Music Peak Power
- Frequency Response: 40-30,000 Hz
- Efficiency: 91 dB

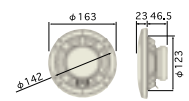


**SRR1625 140W**

16 cm COAXIAL 2-WAY SPEAKERS

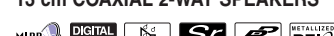


- 16.5 cm Water & UV Resistant Poly laminate Cone Woofer
- 2.5 cm Metallised PEI Balanced-Drive Tweeter
- Powerful Strontium Magnet
- Super Heat-Resistant Voice Coil and Polyimid Bobbin
- Digital Ready
- 140 W Music Peak Power
- Frequency Response: 35-25,000 Hz
- Efficiency: 91 dB

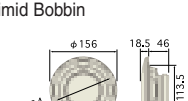


**SRR1324 120W**

13 cm COAXIAL 2-WAY SPEAKERS

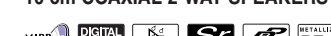


- 13 cm MIPP Cone Woofer
- 2.5 cm Metallised PEI Balanced-Drive Tweeter
- Powerful Strontium Magnet
- Super Heat-Resistant Voice Coil and Polyimid Bobbin
- Digital Ready
- 120 W Music Peak Power
- Frequency Response: 40-28,000 Hz
- Efficiency: 91 dB

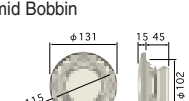


**SRR1026 100W**

10 cm COAXIAL 2-WAY SPEAKERS



- 10 cm MIPP Cone Woofer
- 2.5 cm Metallised PEI Balanced-Drive Tweeter
- Powerful Strontium Magnet
- Super Heat-Resistant Voice Coil and Polyimid Bobbin
- Digital Ready
- 100 W Music Peak Power
- Frequency Response: 45-28,000 Hz
- Efficiency: 90 dB



**Polypropylene Cone**

Polypropylene is a perfect material for woofer and mid-range cones. Because of its high power-handling characteristics, polypropylene allows full-power bass response without the bass breaking up or the slightest trace of distortion.

**PEI Balanced Drive Dome Tweeter**

The novel design features an integrated PEI diaphragm and voice coil bobbin. This design reduces the mass, and given the optimum induction conditions in the magnetic gap, the result is a dramatic improvement in dynamic range.

**PEI Cone Tweeter**

The PEI (Polyether Imide) cone is impervious to heat and other ambient conditions prevalent in the car environment. Thanks to its ultra-lightweight diaphragm, it is highly efficient and provides very fast dynamic response.

**All-Weather Speaker (SRR1625)**



Woofer cone material provides superior resistance to moisture and ultraviolet light - essential characteristics to protect against the potentially hot and humid environment of a car's interior.



CD Magazines



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

**CAA-122**  
Spare 6-CD Magazine  
• For CDC1235, CDC1255z

**CAA-134**  
3 Colour CD Magazines  
• For CDC1235, CDC1255z

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

Spare DCP

Visual Model	DCP Number
VRX935VD	DCP-452-800
VRX835	DCP-454-800
Audio Model	DCP Number
DXZ935	DCP-432-800
DXZ835MP	DCP-431-800
DXZ735MP	DCP-430-800
DXZ535	DCP-429-800
DXZ435	DCP-428-800
DB336MP	DCP-450-800
DB335	DCP-444-800
DB235	DCP-445-800
AX430	DCP-456-800
AXZ610	DCP-346-600

Remote Controls

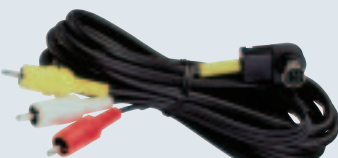


**RCB-147-600**  
Steering Remote Control  
• For VRX935VD, VRX835, VRX610P, DXZ835MP, DXZ735MP, DXZ535, DX435, DMZ637MP, ADZ625, ADX6655z, ADX5655z, AXZ610.



**RCB-164**  
Remote Control  
• For DB335

RCA Transfer Cable

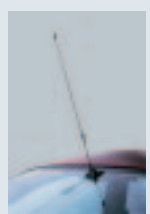


**CCA-389**  
Mini 8-pin (DIN) to RCA Transfer Cable

TV Antennas



**ZCA-404**  
4-Way Diversity Antenna



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



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



**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/ VCZ625 (New)	DVH920 (New)	5 m
DCA-006	DCZ625 (Old)	DVH920 (New)	5 m
DCA-007	VRX935VD/ VCZ625 (New)	DPH910, DVS9755z (Old)	5 m
DCA-008	VRX935VD/ VCZ625 (New)	DVH920 (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

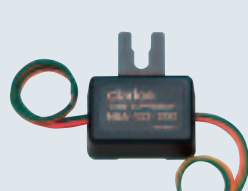
Noise Filters



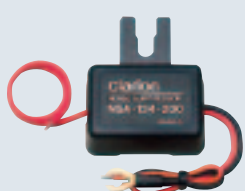
**NSA-131-200**  
Alternator Noise Filter  
• Cuts alternator-induced engine noise. For max. 10 A alternators.



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

MULTIMEDIA UNITS



**VRX935VD**  
AM/FM DVD Multimedia Centre, Fully Motorised  
7-Inch Wide Screen Touch Panel LCD Monitor



**VRX835**  
AM/FM CD Multimedia Centre, Fully Motorised  
7-Inch Wide Screen Touch Panel LCD Monitor



**VRX610P**  
AM/FM Multimedia Centre, Semi-Motorised  
6.5-Inch Wide Screen LCD Monitor

MAIN UNITS



**DXZ935**  
AM/FM CD Player with AC-Processor II



**DXZ835MP**  
AM/FM CD/MP3/WMA Player



**DXZ735MP**  
AM/FM CD/MP3/WMA Player



**DXZ535**  
AM/FM CD Player



**DXZ435**  
AM/FM CD Player



**AXZ610**  
AM/FM Cassette Player



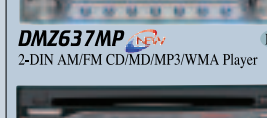
**HX-D1**  
AM/FM CD Player



**DMZ637MP**  
2-DIN AM/FM CD/MD/MP3/WMA Player



**ADZ625**  
2-DIN AM/FM CD/Cassette Player



**ADX6655z**  
2-DIN AM/FM CD/Cassette Player



**ADX5655z**  
2-DIN AM/FM CD/Cassette Player



**DRX9255EXL**  
AM/FM CD Player



**AX430**  
AM/FM Cassette Player



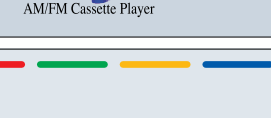
**AX330**  
AM/FM Cassette Player



**DB336MP**  
AM/FM CD/MP3 Player



**DB235**  
AM/FM CD Player



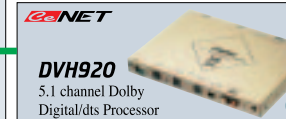
**AB230**  
AM/FM Cassette Player

DVD PLAYER



**V5738**  
1-DIN In Dash DVD/CD/VCD/MP3 Player

PROCESSOR



**DVH920**  
5.1 channel Dolby Digital/dts Processor



**DVC920**  
Commander For DVH920

DVD CHANGER



**VCZ625**  
6-Disc DVD/CD/VCD/MP3 Changer

VIDEO CD CHANGER



**DCZ625V**  
CeNET 6-Disc CD/VCD Changer

CD CHANGERS



**DCZ625**  
CeNET 6-Disc CD Changer



**DC625**  
C-BUS 6-Disc CD Changer

TV TUNERS



**TTX7504z/TTX7501z/  
TTX7503z**  
Hide-Away TV Tuner

STAND ALONE INDASH TV



**TB731P/PAL/TB732P/China PAL/TB733W/NTSC**  
Fully Motorised 7-Inch Wide Colour LCD TV  
\*Can connect with any Electronically Tuned FM Car Radio

SYSTEM WIRING/CeNET Line: [Color-coded lines]

SYSTEM WIRING/C-BUS Line: [Color-coded lines]

SYSTEM WIRING/RCA Line: [Color-coded lines]



	<i>DXZ935</i>	<i>DXZ835MP</i>	<i>DXZ735MP</i>	<i>DXZ535</i>	<i>DXZ435</i>	<i>DB336MP</i>	<i>DB335</i>	<i>DB235</i>	<i>DMZ637MP</i>	<i>ADZ625</i>	<i>ADX655Z</i>	<i>ADX565Z</i>	<i>AXZ610</i>	<i>AX430</i>	<i>AX330</i>	<i>ABZ30</i>	<i>HX-D1</i>	<i>DRX9255EXL</i>	
<b>TUNER</b>																			
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	
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	
Seek Up/Down Tuning	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Station Title Memory	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Instant Station Recall (ISR)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Switchable Frequency Spacing	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
<b>CD</b>																			
8-Times Oversampling Digital Filter	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Track Music Search	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Audible FF/FB	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Random Play/Intro Scan/Repeat	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Last Position Memory	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
D/A Converter	24 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	1 bit	DUAL 24 bit	DUAL 20 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	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Shock Proof Memory	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
<b>MD</b>																			
Track Music Search	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Intro Music Scan	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Last Position Memory	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Random Play	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
MDLP	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
<b>CASSETTE</b>																			
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)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
<b>AUDIO</b>																			
Retractable Rotary Volume Control	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Rotary Volume Control	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Sound Adjusting System	AC-II	B.EQ	Z-EHR PLUS	Z-EHR PLUS	Z-EHR PLUS	Z-ENHANCER	Z-ENHANCER	Z-ENHANCER	DSF & PEO	DSF	Z-ENHANCER	Z-ENHANCER	BEAT EQ	Z-ENHANCER	Z-ENHANCER	Z-ENHANCER	●	●	
Tone Control Bypass	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Loudness Control	●	MB,EX	MB,EX	MB,EX	MB,EX	MB,EX	MB,EX	MB,EX	●	●	●	●	●	●	●	●	●	●	
Line Input (RCA) : Loop Back Circuit	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Line Output	6 ch	6 ch	4 ch	4 ch	4 ch	2 ch	2 ch	2 ch	2 ch	4 ch	4 ch	4 ch	4 ch	2 ch	●	●	4 ch	4 ch	
Non-Fade Output	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
AUX Input	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Centre Speaker Output (RCA)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Independent Subwoofer Control	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
4-Volt Line Level Output	6 ch	6 ch	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Maximum Power Output	4 x 53 W	4 x 53 W	4 x 52 W	4 x 52 W	4 x 52 W	4 x 50 W	4 x 50 W	4 x 50 W	4 x 50 W	4 x 50 W	4 x 45 W	4 x 45 W	4 x 45 W	4 x 45 W	4 x 50 W	4 x 40 W	4 x 40 W	● (MAX 5V)	● (MAX 5V)
<b>DSP/EQ</b>																			
Time Alignment Control	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Seat Position Select	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Virtual 5.1 channel System (Dolby Pro Logic II)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Virtual Space Enhancer	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Parametric Equaliser	●	3 Band	2 Band	2 Band	2 Band	●	●	●	2 Band	●	●	●	●	●	●	●	●	3 Band	
Sound Field DSP	●	●	●	●	●	●	●	●	BASIC-5	BASIC-5	●	●	●	●	●	●	●	●	
Graphic Equaliser	●	●	●	●	●	●	●	●	BASIC-4	●	●	●	●	●	●	●	●	●	
High Pass Filter (Front/Rear/Centre)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Low Pass Filter (Subwoofer)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
<b>APPEARANCE</b>																			
Variable Colour Display	●	728C	80C	80C	●	●	●	●	728C	●	●	●	●	●	●	●	●	●	
Escutcheon Mechanism	Dual Action	Auto Slope	Flip Down	Flip Down	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Contrast Adjustment	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Spectrum Analyser	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Screen Saver	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Double Illumination	●	Variable	Variable	Variable	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Aluminium Faceplate	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Detachable Control Panel (DCP)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
<b>EXTENSION</b>																			
BUS	CeNET	CeNET	CeNET	CeNET	CeNET	●	●	●	CeNET	CeNET	CeNET	CeNET	CeNET	CeNET	C-BUS	C-BUS	●	●	
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	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
<b>INCLUDED PARTS</b>																			
Remote Control	Steering	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
DCP Carrying Case	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	

Multimedia Centres

Model	<i>VRX935VD</i>	<i>VRX835</i>	<i>VRX610P</i>
Screen Size	7-inch wide	7-inch wide	6.5-inch wide
Display Type	TN LCD	TN LCD	TN LCD
Drive Principle	TFT active matrix	TFT active matrix	TFT active matrix
Number of Pixels	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)
VCR Audio Input	130±60 m Vrms	130±60 m Vrms	—
Power Requirements	DC 14.4 V	DC 14.4 V	DC 14.4 V
Current Consumption (approx.)	4.0 A	4.0 A	4.0 A
Weight	1.9 kg	1.9 kg	1.7 kg
Dimensions (W×H×D) mm	178×37.5×290.5	178×50×165 (hide-away unit)	178×50×157
DVD	●	●	●
Useable Discs	DVD Video Disc	●	●
Frequency Response	20 Hz to 22 kHz (48 kHz)(+1 dB/-1 dB)	●	●
Distortion	0.01 %	●	●
Analogue Output	●	●	●



2-DIN AM/FM CD/Cassette Players & 2 DIN CD/MP3/WMA/MD Player

	Model	ADX665z	ADX5655z	ADX6655z	DMZ637MP
Tuner	FM : (MHz) 0.05 MHz steps	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
Tape	Wow & Flutter	0.06 %	0.06 %	0.06 %	
	Signal-To-Noise Ratio				
	Metal Tape, No NR	58 dB	58 dB	58 dB	
	Metal with Dolby B NR	67 dB	67 dB	67 dB	
	Frequency Response				
	Metal Tape, 70 μs	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	
	Signal-To-Noise Ratio	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
	Dynamic Range	95 dB	95 dB	95 dB	95 dB
Audio	Harmonic Distortion	0.01 %	0.01 %	0.01 %	0.01 %
	Maximum Power Output	4 × 50 W	4 × 45 W	4 × 45 W	4 × 50 W
General	Weight	2.6 kg	2.6 kg	2.5 kg	2.6 kg
	Dimensions (W × H × D) mm	178 × 100 × 155	178 × 100 × 155	178 × 100 × 155	178 × 100 × 155

Processor

Model	DVH920
Signal-To-Noise Ratio	95 dB (IEC-A, LPF22K)
Distortion	THD+N 0.01 % (LPF22K)
Separation	80 dB (LPF22K)
Input Sensitivity	RCA SENSE, LOW=2 V, MID=1.2 V, HIGH=0.6 V
Subwoofer Cut Off Frequency	50 Hz, 80 Hz, 120 Hz
Subwoofer Level Control	SP-GAIN, SUB-W → ±10 dB (1 dB/step) A-MODE, SUB-W → -6 (18 dB) ~ +3 dB (6 dB)
Max. Output Voltage	4 Vrms
Input Impedance	47 kΩ
Output Impedance	330 Ω
Power Requirement	NA
Parametric-EQ Number of Bands	3-BAND x 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 Hz ~ 44,000 (± 1 dB)
Weight	0.95 kg
Dimensions (W × H × D) mm	230 × 25 × 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
	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 × H × D) mm	230 × 83 × 183	225 × 63 × 167	225 × 63 × 167	225 × 63 × 167

Amplifiers

Model	DPX1001.2	APX401.4	APX401.2	APX201.2	APX600.5	APA4300HX
Maximum Power Output	1000 W	400 W	400 W	200 W	500 W	600 W
Continuous Average Power Output (4 Ω, 20 Hz – 20,000 Hz @ 0.05 % THD)	300 W (2 × 150 W)	200 W (4 × 50 W)	200 W (2 × 100 W)	100 W (2 × 50 W)	240 W (4 × 35 W / 1 × 100 W)	4 × 75 W or 3 × 75 W / 1 × 150 W or 2 × 150 W
Typical 2-Ω Stereo @ 0.5 % THD	2 × 300 W	4 × 90 W	2 × 190 W	2 × 110 W	4 × 75 W / 1 × 190 W	4 × 75 W
Typical Bridged Power 1 kHz @ 1.0 % THD	1000 W	2 × 190 W	380 W	230 W	2 × 150 W / 1 × 190 W	
Bass Extender Control	0 – 18 dB @ 45 Hz	0 – 18 dB @ 45 Hz	0 – 18 dB @ 45 Hz	0 – 18 dB @ 45 Hz	0 – 15 dB @ 45 Hz	0 – 12 dB @ 40 – 120 Hz
Variable Crossover Frequency (Low Pass)	55 – 5,500 Hz, 12/24 dB/oct.					
Variable Crossover Frequency (High/Low Pass)		55 – 5,500 Hz, 12 dB/oct.	55 – 5,500 Hz, 12 dB/oct.	55 – 5,500 Hz, 12 dB/oct.	55 – 5,500 Hz, 12 dB/oct.	50 – 200 Hz
Variable Crossover Frequency (Sub)					55 – 550 Hz, 12/24 dB/oct.	
Bridgeable Channel Operation	2/1	4/3/2	2/1	2/1	5/4/3	4/3/2

Multimedia/Main Units

**AC-Processor II**  
Enhancing the technology of AC Processor II features Dolby Pro Logic II and the Time Alignment function which optimises sound positioning in the cabin. Conventional functions such as VSE (Virtual Space Enhancer), Parametric EQ in PRO mode, DSF (Digital Sound Field) and Graphic EQ in STD mode are also available.

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

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

**Parametric EQ**  
Let you adjust the equalisation of each frequency band independently for the front and rear speakers.

**Beat EQ**  
Unlike conventional tone control which can adjust bass and treble only, Beat EQ features a 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).

**Z-Enhancer Plus**  
Provides ease of operation for correction of low and high frequencies with two parametric settings. In addition, three preset EQ settings are available.

**Z-Enhancer**  
Three types of sound quality patterns are preset for easy selection. Boost the bass only, the treble only or both, with the level of boost adjustable by the user.

**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 sources encoded with Dolby surround. In addition, Dolby Pro Logic II is designed to produce a 5.1 channel sound effect from any 2 channel software, which means you can enjoy perfect surround sound even if the software is a conventional stereo recording. "Phantom mode" is also available in which a quasi 5.1 channel sound field is reproduced from a 4 speaker system, without centre speaker.

**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 metafile information. With digital compression, these formats enable up to about 12 hours of music to be fit onto a single CD-R/RW while delivering CD-level quality.

Speakers

**Polymer-Laminated Hybrid Cone**  
The paper cone is laminated with a polymer film to acquire the desired rigidity without the need to press the cone. The end result is minimum internal loss and low-distortion sound, as well as superior humidity and water spray resistance.

**Mica Polypropylene Mixed Injection Cone**  
These injection molded 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.

**Water-Resistant Cone**  
Water-resistant cones prevent sound quality deterioration caused by moisture. Door mounting is possible without further protection.

**Polypropylene Cone**  
Polypropylene is a perfect material for woofer and mid-range cones. Because of its high power-handling characteristics, polypropylene allows full-power bass response without the bass breaking up or the slightest trace of distortion.

**Aluminium-Coated Polypropylene Cone**  
Clarion's high-rigidity, lightweight polypropylene cones have an ideal internal loss for woofers. The high input allows you to enjoy powerful digital audio with exceptional music quality.

**4x53W 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.

**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.

**Loop Back Circuit**  
Allows the built-in amp to amplify the signal from an external unit. Possible to connect the DVH920 for 5.1 channel surround to enjoy digital sound without an external amplifier.

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

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

**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.

**Dual Action Mechanism**  
Allows a 2-DIN size operation panel to retract into a 1-DIN space. Once the power is turned on, you will witness the beauty of a dual sliding motion in action, with the first layer of the panel sliding down to reveal the second panel behind it, which will slide down simultaneously to enable you to access the hidden CD slot.

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

**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.

**C-BUS**  
C-BUS is a system network bus line for providing enhanced operation and functionality of your car entertainment system.

**CD-R/RW**  
Capability to play back CD-R/RW discs you have recorded at home.

**MP3 NAVI**  
Offers a variety of ways to search for and access the tune you want. Great way to navigate through voluminous data on MP3 discs.

**Variable Colour Display**  
This LCD display lets you mix RGB (Red/Green/Blue) levels to create the background colour (DXZ835MP, DMZ637MP: 728 colours; DXZ735MP, DXZ535: 80 colours). The control buttons on the faceplate automatically change colours to match the display. And you can change the main LCD graphics from black to white (DXZ835MP only).

**Front Panel Subwoofer Control**  
Main units have a dedicated subwoofer level control on the front panel to give you more control over 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.

**High Performance Power IC**  
Vertical power transistors are used in the amplifiers to provide high-efficiency, low-distortion output. Great for digital sources with their wide dynamic range.

**Main Unit Dual Zone**  
Let 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.

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

**5.1 channel Surround**  
The unit is compatible with Dolby Digital and dts to support 5.1 channel 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.

**LCD Nega/Posi Display**  
Switches the character and background colours for easier viewing in certain situations.

**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.

**Message Information**  
You can display your own customised messages up to 30-characters. Messages are displayed when the unit is turned on or off.

**Shock Proof Memory**  
Temporarily catches the playback data in memory so that even if the road is bumpy and the laser pickup goes off track, there won't be any interruptions in the playback sound.

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

**Audio Output**  
All units with this logo have RCA outputs for external amplifiers. Some units with 4V output logo have high 4V output for high-quality sound. In addition, some Clarion units have Non-fade output for Subwoofer, and also selectable Loop Back Circuit for 5.1 channel Dolby Digital/dts Processor Pro Logic II DVH920.

**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 (2 channel)**  
Accepts input signal from external unit.

**TV Tuner Control**  
Unit with this logo can be connected with Optional TV Tuners such as TTX7504z (PAL).

**DVD Easy Control**  
DVD Easy Control, coupled with CeNET components, allows the following possibilities: • Scene / Title FF / FB • 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.

**5.1 Channel Decoder Control**  
Allows direct control of all functions on DVH920 5.1 channel Dolby Digital/dts Processor.

**Gyro Imaging Tweeter in Power Series Coaxial Speakers**  
Unlike conventional 2-way speakers, these feature a tweeter that is adjustable for angle and can be aimed for precise high frequency imaging. When coaxial speakers are mounted in the most common door locations, the high frequencies are beamed at the driver and passenger's feet, reducing high frequency response and spatial imaging. By changing the angle so that the tweeter sends high frequencies to the listener's ears, high frequency response is increased, and spatial imaging is dramatically improved.

**Powerful Strontium Magnet**  
A high-conductivity magnet is used in Clarion's speaker systems to obtain an air-gap magnetic flux density significantly higher than that obtained from ferrite magnets. Combining this magnet with the heat-resistant voice coil results in speakers that are able to deliver powerful playback at large inputs with improved damping while maintaining the integrity of the digital source.

**Neodymium Magnet**  
While extremely compact, the neodymium magnet also has very high magnetic energy (BHmax). The powerful magnetic field and minimum magnetic distortion deliver effortless sound.

**Large Strontium Ferrite Magnet**  
Offers all the benefits of the strontium magnet, and boosts the sonic reproductive power by using a large sized Strontium Ferrite magnet in the driver.

**Rubber Surrounds**  
The rolled edge of the diaphragm provides superior response, while its butyl material is highly durable and moisture resistant. The result is a special rubber surround that cuts distortion and further improves linearity.

**Digital Ready**  
Featuring higher power handling, Clarion's Digital Ready speakers reproduce the wide dynamic range of Compact Discs and other digital media.

**Rear-Vented Pole Piece**  
To prevent pressure from building up inside the centre cap and causing increased amplitude distortion, a vent is provided on the rear of the pole piece, resulting in completely smooth cone movement, which contributes to the open, airy sound of the speakers.

**Dual 4-Ohm Voice Coil**  
Clarion's systems use dual voice coils to deliver perfect playback of large-amplitude bass. These coils also provide high sensitivity and excellent performance for digital audio and other large input sounds.