

**Notes**

- Specifications and design are subject to change without notice.
- Photos are non-binding. The manufacturer and importer do not take responsibility for any printing errors.
- Dolby, Dolby Surround, Pro Logic and the double-D symbol are trademarks of Dolby Laboratories.
- dts is a trademark of Digital Theater Systems, Inc.
- All other trademarks are the property of their respective owners.
- All units in this catalogue are primarily intended for installation in passenger cars. Use in lorries, tractors, off-road vehicles, construction machinery, boats, and other special-purpose vehicles or on motorcycles is not recommended.
- There is no guarantee that all units in this catalogue play CCCD (Copy Control CD), Hybrid SACD (Super Audio CD), CD-R/RW and DVD  $\pm$  R/RW
- iPod is for legal or right holder-authorized copying only. Don't steal music.
- iPod is a trademark of Apple Computer, Inc., registered in the U.S. and other countries.
- LCD panels use the latest high-tech components and boast an effective pixel rate of 99.99%. However, be aware that 0.01% or less of the pixels may be defective.
- All images and the design of this catalogue are protected under international copyright laws and remain the sole and exclusive property of Clarion Co., Ltd. You may reproduce text or images of this catalogue for your personal, non-commercial use only. Reproduction for sale or any other commercial purpose is strictly prohibited. The image must include one of the following copyright notices: Clarion Co., Ltd. in legible form either on the image itself or located next to the image.

**Clarion Asia Pte. Ltd.**

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

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

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

**Clarion Co., Ltd.**

5-35-2 Hakusan, Bunkyo-ku, Tokyo 112-8608, Japan  
Tel: (81) 3-3815-1121  
<http://www.clarion.co.jp>

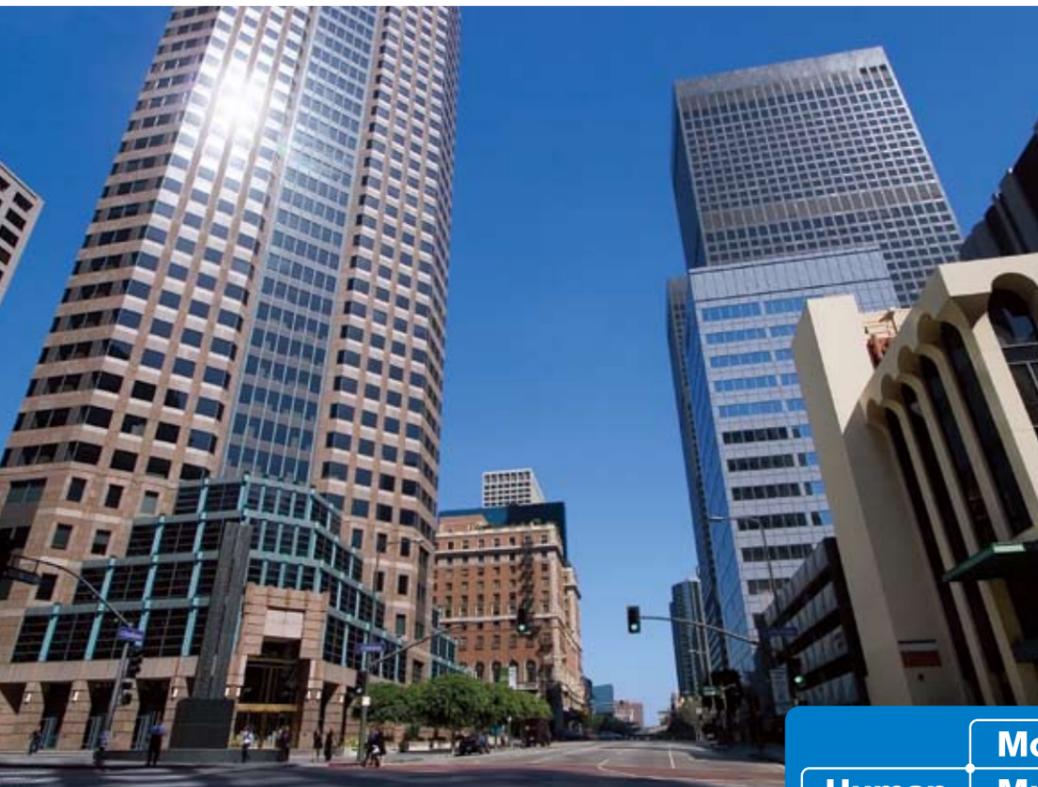
# Clarion

Distributor

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

# clarion

2006  
Car Multimedia Catalogue



Human Mobile  
 Music Media Interface  
 Clarion HMI



# Clarion H.M.I.

Human Mobile Music Media Interface

**Music, information, and mobility.  
Clarion seeks the ideal connection of these elements.**

Clarion fulfils your dream for the ideal connection to mobile multimedia while on the road. Connecting your music and information to the mobile environment in a user-friendly way enhances your comfort and enjoyment for complete satisfaction. Let Clarion be the interface that creates the connection. Our range of products not only entertain you with high quality video and audio, but literally interact with you while on the road. And no matter how many times you have travelled down the same roads, you will be vividly reborn in the fascinating, magic-blue world of *Clarion Azzurro*.

## Contents

04-07 Creativity in the form of Human-Machine Interface (H.M.I.)  
 08-21 Multimedia  
 22-35 Main Units

36 CD Changers / Processors  
 37 Main Units Feature Comparisons  
 38-41 HX Series  
 42-53 Amplifiers / Subwoofers / Speakers

54 System Chart  
 55 Accessories  
 56-57 Specifications  
 58-59 Feature Icons and Descriptions

# clarion

## CREATIVITY IN THE FORM OF HUMAN-MACHINE INTERFACE.

Pure sound reproduction through absolute high quality and crystallised into forms that will be the envy of drivers in the digital age. Clarion's theme for the 2006 lineup is "Creativity in the form of Human-Machine Interface" to link people, their cars and music more effectively. The fine, solid design vividly accents your car's interior whilst enhancing visibility. Affinity with the latest digital media infinitely expands your possibilities for a new musical lifestyle. And at the summit of Clarion's sound quality and sound sculpting technologies is the AC Processor IV. Clarion's spirit and technologies converge, creating a wave of innovation for people who demand the best in creative car entertainment.

## Mobile

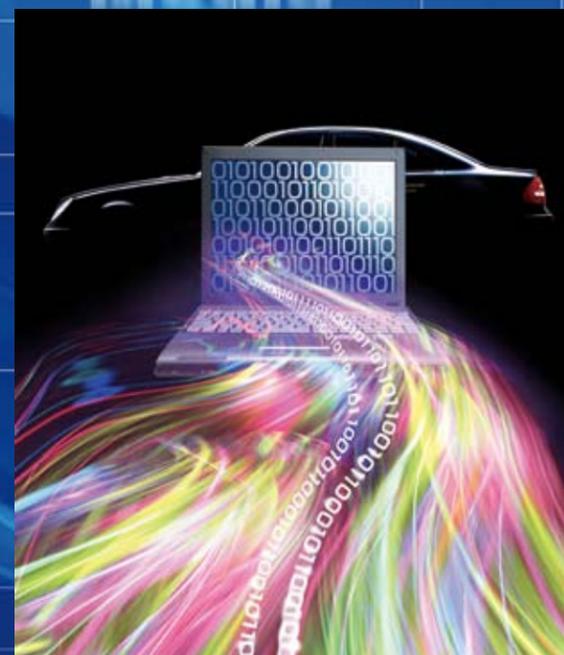
### Taking on the impulse of your senses.

At times, you want to just stop and let your senses run free. Put yourself at the mercy of the music and the space you love so much. Instead of just driving from point A to point B, taking the time to discover new things and meet new people along the way greatly enhances your driving lifestyle. Designed with solid-looking black face and sharpness of form, and intriguing blue illumination that highlights your console. Sophisticated to the point of simplicity and minimalism, with a Human-Machine Interface that knows human movement inside out. It heralds a new age where response is immediate to the will and sensibilities of the driver. Not just form, but beyond just function. Clarion is the only way you can experience the new design theme "Fine Solid", a new idea that will transform the mobile scene.

## Music



## Media



## The finest seats in the theatre are where you sit.

AC Processor IV, which integrates the most advanced sound quality technologies and an opulent array of functions onto a single chip, represents Clarion's commitment towards soundfield creation and sound quality control. It is the crystallisation of high-level sound quality and acoustic analysis technologies that deliver the best sound possible, whether it's in a large vehicle with lots of passengers, or in a compact driver's seat.

A 3-way Digital Crossover Network to bring out the maximum performance of your speakers for clearer musical reproduction; a 6-channel Independent Time Alignment Control to adjust the time it takes for sound from the speakers to reach each passenger's listening position; an Anti-Distortion Filter to adjust the entire sound range so you can enjoy playback of the original source, and more.

The seat that you sit in now is transformed into a gorgeous, special reserved seat. That's because only Clarion can bring to you the optimum seat for car entertainment.

## Connect to the future at will.

Experience all the emotion of the artist's performance, undiluted. It paints a picture not only of the subtle nuances of the instruments, but also the feelings that went into it. Clarion has always pursued true-to-life sound quality that lets you feel the reality.

Digital media is evolving in real-time, minimising size while maximising data storage capacities. We see the appearance of a variety of media that dramatically transform the way you enjoy your music and motoring. In this ever changing world, Clarion's 2006 lineup accommodates diversifying media and formats such as DVD±R/RW and MP3/WMA, and offers improved connectivity with iPod® and other USB devices that use compressed audio. From the latest devices and files, Clarion extracts sound that is infinitely close to the original source.

Our rock solid performance offers playability backed by optimum sound quality and acoustic technologies, to achieve high fidelity sound reproduction from rapidly appearing new media. This is one example of Clarion's relentless challenge as a company that simply will not compromise regarding sound reproduction that is true to the original.

## THE WAVE OF A NEW AGE AWAKENS YOUR EMOTION.

### The moment you touch it, the future unfolds before your eyes.

Just put your finger on the 4.2-inch touch panel display, and you can experience total control that responds to your every whim. DXZ866MP/956MC are equipped with the unrivalled performance of an Optimedia Display. The AC Processor IV, which integrates Clarion's sound quality and acoustic analysis technologies onto a single chip, will transform the same ol' music into an entirely new experience that envelops your car interior by way of its 3-way Digital Crossover Network, 6-channel Independent Time Alignment Control, Anti-Distortion Filter, Dolby Pro Logic II, VSE and Parametric Equaliser. And it allows MP3/WMA music file playback to maximise the potential of digital-age car entertainment.



### Convergence of sophisticated design and usability.

Enjoying your favourite tunes while driving safely... Controlling the sound without even the slightest effect on controlling your car... A new type Smart Control which offers the combination of design and usability is equipped on the DXZ766MP/DXZ666MP/VXZ766/DXZ466MP/DXZ366MP. The keys, laid out in an orbiting pattern around the Rotary Volume control, are easily recognisable by touch to support safe driving. The configuration which guides the driver's finger to the target position makes blind-touch operation possible, for a level of intuitive control unheard of until now. What's more, the aesthetically aggressive design of the DB566USB's control knob and the cool blue illumination that highlights the Rotary Volume control, are not only fashionable but also increase visual recognition of each type of function key for smooth and sure operation.

### Open new worlds with the Multimedia Station.

With a touch panel that operates in concert with the user's finger, you're just a touch away from a wide world of visual and audio media that lets you enjoy everything from DVD-video, music CD and video CD, to MP3 data stored on CD-R/RW and even iPod® control. What's more, with CeNET connection you can smoothly expand your system to a full-fledged 5.1ch surround or 2-Zone system. Compatibility with a wide variety of media for seamless entertainment in your in-vehicle environment, and Clarion's technology-intensive sound and image quality, as well as precision information processing... The Multimedia Station links all of these factors together, for a system that progresses and grows along with you. That's the Multimedia Station flagship model VRX766VD or MAX667VD from Clarion. New potential, coalesced into a solid design, connects you to a future that's a step ahead.



### Interaction with an ever-evolving array of digital media.

In addition to audio CD, there's support of CD-R/RW disc media, the most popular compressed audio format MP3, as well as WMA which offers a high compression ratio with less loss of quality. Coinciding with the appearance of new media, Clarion has always deepened the link with those media when releasing new models. While iPod® spearheaded the popularity of portable audio players, Clarion's iPod® control function made it possible to operate iTunes encoded music data as-is, right at the main unit's touch panel. Aside from playback of CD, MP3 and WMA files, DB566USB also offers USB connection so you can hook-up a USB memory or USB player device and enjoy listening to the MP3 or WMA files stored on it. In the ageless form we call "Fine Solid", you'll find the newest connectivity that will revolutionise your car audio lifestyle.



iPod Video Ready

# Multimedia

## Movies, Music, Information... All at your fingertips

The Multimedia Station type flagship model has now expanded to transform your car into a full-scale entertainment environment. Its wide range of functions includes 5.1-channel surround sound compatibility and 2-Zone system, highly efficient high-speed operation processing and the capacity for future upgrades that responds to current- and future-oriented driver's needs. This all-in-one model supports a wide range of media, including DVD-video, music and video CDs, MP3 data recorded on CD-R/RW discs and even iPod® control, providing many useful functions within one neat, compact body. Take a closer look at the new 2006 Clarion lineup, you'll see, hear, feel the difference and find the model that perfectly suits your own unique multimedia sense of style.

### The concept of rear entertainment redefining the next-generation in-car environment

Most people want to add more excitement to long drives with family or friends, instead of feeling like they are just moving from one place to the next. But not all of the passengers want to listen to the same music. However, if each of the passengers could enjoy their favourite contents throughout the trip, the entire driving scene would be much more pleasurable. By separating the interior of the car into the front seat space and back seat space, and by using a 2-Zone system that can

### Infinite possibilities of musical style starting from your car

You can now enjoy music recorded on your iPod in whatever driving scene. There are no doubts that musical style is now seamless. Track names are displayed unchanged from the iPod, and main operations can be performed from

### Striking, vivid image experience that will revolutionise conventional driving

High definition overhead monitor reproduces strikingly clear images from condensed image sources such as DVD video, without losing any of the original quality. In addition, the 5.1-channel surround sound system splits and reproduces Dolby Digital, dts and other theatrical sound signals through individual



speakers, creating a powerful and exciting movie theatre style surround sound experience. This combination of dynamic images and realistic crystal clear sound with the simple, smooth usability of highly advanced functions creates an astounding entertainment environment inside the vehicle, which can easily match any home theatre system.



play back separate audio or visual sources independently from each other, it is possible to create an entirely new in-car environment that until now has only been a dream. So while the front seat passengers are listening to their favourite CD or watching a DVD, the back seat passengers can be absorbed in a video game, making it possible to create two completely different audio-visual areas within the same car. Starting with its 2-Zone system that embodies the concept of rear entertainment, Clarion has a lineup of products that respond to the widest variety of user needs, including an overhead monitor perfect for mini-vans, or compact monitor models for the headrests.

the touch panel. What's more, the iPod batteries are charged automatically simply by connecting it to the unit, which means you can continue to listen to your favourite tunes for as long as you like, without having to worry about the amount of battery life you have left. Clarion brings you the combination and versatility of a wide range of media such as DVD, CD and iPod, truly expanding and freeing your musical enjoyment.



iPod Video Ready

# Tremendous future potential hidden within a compact body



The VRX766VD demonstrates the maximum performance available within the limited space inside a vehicle. It delivers powerful images and sounds despite its compact size. And with wide versatility that provides opportunities for future system expansion, such as the ability to upgrade to 5.1-channel surround sound or 2-Zone system technology, the VRX766VD provides an excellent core that supports a wide range of extendibility and future potential. Clarion's flagship model VRX766VD embodies our ideal of an AV Multimedia Station. High-definition, high-luminance wide switch monitor, and a wide range of supported media multipler playback such as DVD-video, Video CD, music CD and MP3 are all neatly fitted into the 1DIN-size body. On top of its high performance, the iPod® control function using the touch panel and adaptability to a variety of systems provide the driver with future potential for expansion with a system configuration that delivers a far wider capacity to embrace the future.

## VRX766VD

DVD MULTIMEDIA STATION WITH TOUCH PANEL CONTROL



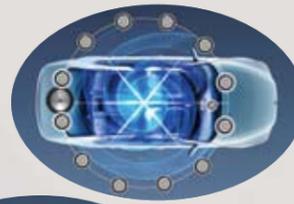
- iPod direct connection and control
- 2-Zone entertainment: front and rear separate source control
- Touch panel control with soil-resistant finishing
- 3-band parametric equaliser
- 24-bit D/A converter
- 18 FM, 6 AM station presets
- DSP tuner with variable bandwidth
- 4-channel x 50 watts
- DVD±R/DVD±RW/CD-R/CD-RW ready
- MP3/WMA compatible with ID3-TAG display
- Fully motorised 7-inch TFT colour LCD monitor
- Adjustable display brightness
- CeNET Control of: DVD changer, 5.1-channel decoder, TV tuner, 6-disc CD changer
- 6-channel RCA output and 2-channel RCA output for 2-Zone
- 1-channel video output for rear entertainment
- 1 AUX AV input (2-channel audio + 1-channel video)
- 1 Optical output



Detachable Control Panel



iPod Video Ready



### 5.1-channel Dolby Digital/dts surround

First there was home theatre, now there's road theatre. 5.1-channel surround sound is a must for home entertainment today. Now you can enjoy it in your car as well. Dolby Digital and dts provide an incredibly realistic sound environment with three channels of sound in front of you (left, right and centre) together with two more behind you, plus a dedicated low-frequency sub-woofer channel that makes the sound larger than life. It all combines to produce a dynamic cinema-like sound field even within the relatively small space of your vehicle's interior. So turn your next road trip into a road show with Clarion's high-performance cinema sound.  
\* DVH940 and DVC920 are required.



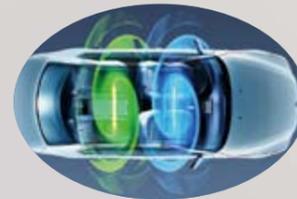
### iPod control: answering the call of iPod fans

iPod control comes to Clarion in 2006, as we allow you to "Podify" your in-car experience with a new, easy-to-use interface. Compatible with all third-generation and newer iPods, the interface makes accessing your iTunes collection as easy as fast-forwarding and reverse tracking a CD. This convenient solution also charges your iPod so it's ready to go once it leaves the vehicle. But you have more: not only audio, but also video can be enjoyed. Clarion is proud to be the first manufacturer to provide such video management.  
\* Connection cable (sold separately) is required.



### Full Touch Panel control

Clarion's in-dash, 7-inch monitor is the source for all media and function information, allowing the user to access a host of features with a simple touch of the on-screen menu. The menu is laid out in an easy-to-understand fashion by displaying all actions related to media sources and functions. Even DVD movie menus can be controlled directly through the touch screen, to enjoy your favourites the way you wish.

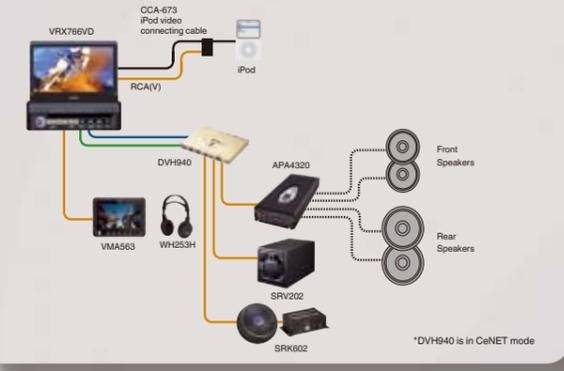


### 2-Zone entertainment

Clarion's 2-Zone entertainment feature offers SUV and mini van owners more flexibility when it comes to their mobile entertainment system. Now, owners of Clarion's VRX766VD get more front-seat listening options while rear-seat passengers watch and listen to a DVD or VHS movie via wireless headphones. So, plug in an iPod, listen to a CD, or any CeNET-equipped audio source. This is versatility where you need it most in the car.

### System Example based on VRX766VD

By installing the VRX766VD Multimedia Station as your main unit, integration with the latest technologies as well as unsurpassed, multi-channel audio and video control are just the beginning of the excitement.



— RCA line  
 ..... Speaker line  
 — Optical cable  
 — CeNET

\*DVH940 is in CeNET mode

In-dash AV Multimedia Station compatible with a wide range of media, creating a flexible and expandable system, has realised true in-car entertainment.



## VRX935VD

DVD MULTIMEDIA STATION WITH TOUCH PANEL CONTROL



- Touch panel control
- Beat EQ sound customisation with 3-band parametric equaliser
- 24-bit D/A converter
- 18 FM, 6 AM station presets
- 4-channel x 53 watts
- CD-R/CD-RW ready
- MP3/WMA compatible with ID3-TAG display
- Fully motorised 7-inch TFT colour LCD monitor
- Adjustable display brightness
- Auto dimmer with sensor
- CeNET Control of: DVD changer, 5.1-channel decoder, TV tuner, 6-disc CD changer
- 4-volts 6-channel RCA output
- 1-channel video output for rear entertainment
- 2 AUX AV input (1-channel A/V + additional 1 A/V via CCA389)
- 1 Optical output
- 4-channel Loop-Back circuit
- CeNET iPod interface compatible



### 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 adjustment to optimise visibility, and an air conditioner access mode that momentarily shifts the monitor horizontally out of the way of climate controls, it boosts operational convenience and safety while driving.



- 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.
- WARNING: The driver is prohibited by law from viewing a video signal on any in-dash monitor while the vehicle is in motion.
- There is no guarantee that all units in this catalogue can play CCCD (Copy Control CD), Hybrid SACD (Super Audio CD), CD-R/RW and DVD±R/RW.
- 2-Zone function is not available with DVH940.
- The PLAY LIST that is mixed music files and movie files is not playable.



**7-inch wide monitor with touch-panel and smart-touch operation**

The menu screen layout has been arranged to achieve beautiful graphics and clear visibility. The 7-inch wide monitor is also equipped with a touch panel for fingertip control of all functions. High-response operation is made possible thanks to the excellent matching of the touch panel. The touch panel has been treated to prevent soiling so the screen is always clear. Moreover, a smart-touch operation system has been incorporated which enables the management and simple operation of high-performance operations. By operating the easy-to-understand layout and intuitive one touch control, it is possible to manipulate high performance operations with the simplest one-touch controls.

**5.1-channel entertainment**

When you watch a film or concert on DVD, it seems so lifelike that you can almost feel the heat from a concert hall, or experience the floating sensation or battle scene in the movie. The 5.1-channel surround sound system lets you experience three-dimensional sound, making you feel as if you were standing in the DVD world. The cubic effect created by sound being delivered from the left, right, and rear speakers creates a sense of realism worthy of the name "Car Theatre".

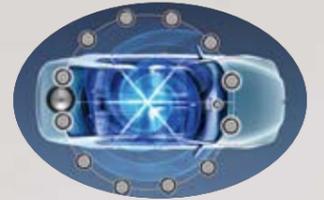
\* DVH940 and DVC920 are required.

**2-Zone entertainment**

Clarion's 2-Zone entertainment feature offers SUV and mini van owners more flexibility when it comes to their mobile entertainment system. Now, owners of Clarion's MAX667VD get more front-seat listening options while rear-seat passengers watch and listen to a DVD or VHS movie via wireless headphones. So, plug in an iPod, listen to a CD, or any CeNET-equipped audio source. This is versatility where you need it most in the car.

**Enjoyment of a wide variety of media**

All of the different possibilities of in-car entertainment, rolled into one unit. DVD lets you enjoy a variety of visual content such as movies, special programming and live concerts. And to maximise your musical enjoyment, it supports MP3/WMA data burned to CD-R/RW in addition to conventional music CD and video CD. And of course, it features iPod control, through a fully integrated touch screen interface. Multimedia compatibility assures maximum pleasure.



**Outstanding sense of presence and visibility brought together inside the vehicle**

**MAX667VD**

**2-DIN DVD MULTIMEDIA STATION WITH TOUCH PANEL CONTROL**



The reality only high-definition can provide; the intensity only a big screen monitor can provide. Overwhelming sound and powerful expression of the 5.1-channel surround sound system fully realizes the near infinite world of home theatre. Furthermore, the 2-Zone system allows the front seat and back seat spaces to be separated, and for separate audio or visual sources to be played back independently and simultaneously in these zones. Control over this overwhelming performance can be easily mastered using the smart touch operation and highly operable L-shaped button layout. And when it is installed into the console, it blends in with the look of your vehicle so smoothly that you would think it was the 2-DIN main module designed specifically for your car. With the addition of compatibility with new types of media including iPod® control, and with the feeling of fingertip control over all of the functions, you can immediately appreciate the extra touch of elegant status that only the MAX667VD can provide.



**iPod Video Ready**

- iPod direct connection and control
  - 2-Zone entertainment: front and rear separate source control
  - Touch panel control with soil-resistant finishing
  - 3-band parametric equaliser
  - 24-bit D/A converter
  - 18 FM, 6 AM station presets
  - DSP tuner with variable bandwidth
  - 4-channel x 50 watts
  - DVD±R/DVD±RW/CD-R/CD-RW ready
  - MP3/WMA compatible with ID3-TAG display
  - Motorised sloping 7-inch TFT colour LCD monitor
  - Adjustable display brightness
  - CATS: Theft prevention system
  - CeNET Control of: DVD changer, 5.1-channel decoder, TV tuner, 6-disc CD changer
  - 6-channel RCA output + 2-channel RCA output for 2-Zone
  - 1-channel video output for rear entertainment
  - 1 AUX AV input (2-channel audio + 1-channel video)
  - CCD camera direct input
  - 1 Optical output
- \* CAA-188 (sold separately) is required.

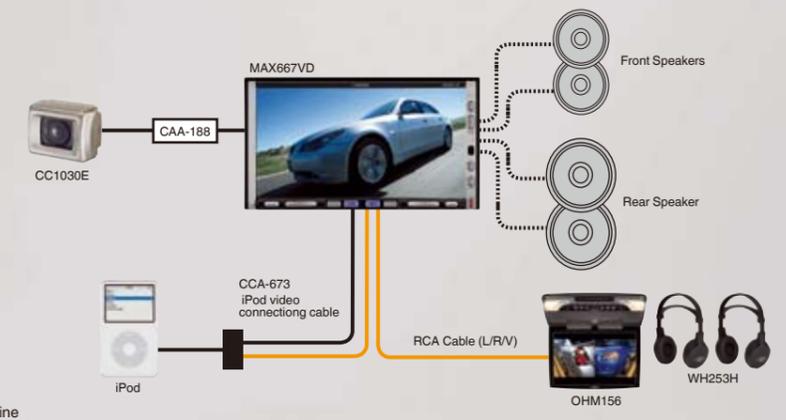
\* The PLAY LIST that is mixed music files and movie files is not playable.



**Motorised Sloping Console**

At the touch of a button, the control panel slopes down out of the way in a smooth motorised motion to reveal a DVD/CD loading slot. This design allows more effective usage of the control panel with a larger display and larger knobs for easier operation.

**System Example**



- 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.
- WARNING: The driver is prohibited by law from viewing a video signal on any in-dash monitor while the vehicle is in motion.
- There is no guarantee that all units in this catalogue can play CCCD (Copy Control CD), Hybrid SACD (Super Audio CD), CD-R/RW and DVD±R/RW.
- 2-Zone function is not available with DVH940.

# Easily bring DVD into the centre of your car entertainment



A 5.1-channel surround decoder is built-in to produce true-to-life, three-dimensional sound in your car that literally wraps around you. What's more, this unit is also equipped with a 4x52W high-power amplifier using MOS-FET technology known for its superiority as an audio device, as well as a 24-bit D/A converter. It's the DVD/CD/VCD/MP3/WMA receiver that goes beyond the performance you need for high quality enjoyment of images and sound.

## VXZ766

DVD/CD/VCD/MP3/WMA RECEIVER/CeNET CONTROL



- 2-Zone entertainment: front and rear separate source control
- Built-in 5.1-channel surround system: Dolby Pro Logic / Dolby Digital / dts decoder
- Z-Enhancer Plus sound customisation
- 2-band parametric equaliser
- 24-bit D/A converter
- 18 FM, 6 AM station presets
- 4-channel x 52 watts of MOS-FET amplification
- DVD video and audio CD compatible
- DVD±R/RW ready
- MP3 and WMA compatible with ID3-TAG display
- CD-R/RW ready
- VF display
- Screensaver
- CeNET Control of: TV tuner, 6-disc CD changer
- 2-channel video output
- 6-channel RCA output
- 2-channel AUX input with level control
- CeNET iPod interface compatible



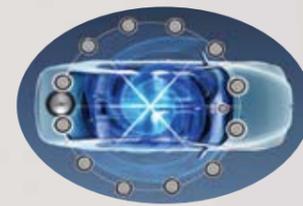
Detachable control panel



Flip-down console



Rotary volume control



### Built-in 5.1-channel decoder

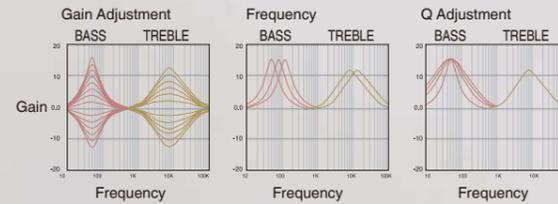
Needless to say, 5.1-channel surround sound is a must for home theatre system today. Almost all DVD software is now encoded in the Dolby Digital or dts format, with incredible surround sound effect. VXZ766 features built-in 5.1-channel decoder, that works with the internal 4-channel amplifier. All you need to do is hook up 4 speakers – front L/R and rear L/R – SRK602 centre speaker and an active subwoofer, then your vehicle literally becomes a mobile theatre.



DVD±R/RW VCD CD MP3 WMA

### Internal DVD player

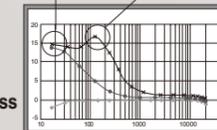
Plays DVDs, which rich, realistic images and a sound quality that easily outperforms your CDs. By adding a rear monitor and using the existing monitor, you can enjoy new movies, dramas and concerts inside your car. Also plays CDs, and MP3/WMA disc files. This is all you need to enhance and spice up your audio/video entertainment space.



### Z-Enhancer Plus: (2-band EQ) for customised sound reproduction

Whether you want to emphasise the bass, or select a setting that provides more impact, Clarion's Z-Enhancer Plus offers three preset EQ patterns: Bass Boost, Impact, and Excite. Users can also select Custom 1-Clarion's 2-band Parametric EQ. In this mode, you can adjust the gain, Q and frequency of each band for a customised sound.

Magna Bass's centre Frequency is 60 Hz 100 Hz - 200 Hz



M-Bass EX

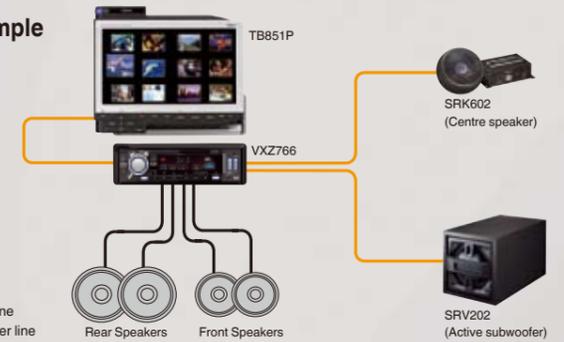
★ Bass boost/M-Bass On  
→ M-Bass On ← Normal

### Magna Bass EX

Compared to conventional loudness features, which boost the low frequency range of 100 Hz, Magna Bass boosts the ultra-low frequency range with a centre frequency of around 60 Hz. For additional bass response, Clarion has added Magna Bass EX, which goes beyond Magna Bass by boosting the ultra-low frequency range around 60 Hz. This feature also reduces noise thanks to its automatic compensation function, which produces well-balanced, dynamic bass sound no matter how loud you play the music.



### System Example



## VXZ756

DVD/CD/VCD/MP3/WMA RECEIVER / CeNET CONTROL



DVD loading slot



Detachable control panel

- Built-in 5.1-channel surround system: Dolby Pro Logic / Dolby Digital / dts decoder
- Z-Enhancer Plus sound customisation
- 2-band parametric equaliser
- Burr-Brown 24-bit D/A converter
- 18 FM, 6 AM station presets
- 4-channel x 52 watts of MOS-FET amplification
- DVD video and audio CD compatible
- DVD±R/RW ready
- MP3 and WMA compatible with ID3-TAG display
- CD-R/RW ready
- Screensaver
- CeNET Control of: TV tuner, 6-disc CD changer
- 2-channel video output
- 6-channel RCA output
- 2-channel AUX input with level control
- CeNET iPod interface compatible

\*There is no guarantee that all units in this catalogue play CCCD (Copy Control CD), Hybrid SACD (Super Audio CD), CD-R/RW and DVD±R/RW.

# Meet the largest in-dash screen in history!

Clarion achieves the world's first wide 8-inch display in an in-dash TV monitor by adopting the Trinity Motion System. It's the sleek in-dash TV monitor that provides unprecedented presence and visibility based on a new way of thinking.



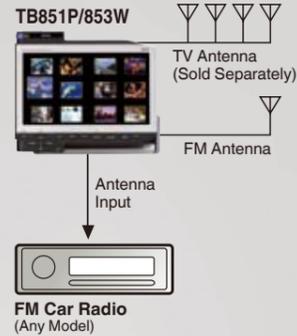
## TB851P PAL / TB853W NTSC

### 8-INCH WIDE COLOUR LCD TV

- Fully motorised 8-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 TB853W
- Built in TV tuner and 4-way diversity unit
- Audio (L/R) and video output (RCA)
- Screen size select (wide/full wide/cinema/normal)
- RCA AV input (PAL/NTSC compatible, auto)
- 1 rear view camera / 2 video input

\* CAA188 (Sold Separately) is required. The CCA623 (Sold Separately) is required when using this unit as an audio-visual input terminal. CCA623 / RCA transfer cable for TB851P/TB853W: 1-channel RCA (L/R/V) input, 1-channel RCA video output.

Can connect with any electronically tuned FM car radio !!



### Wide 8-inch display

This wide 8-inch display breaks through previous notions of in-dash monitors. Its large image with high resolution and superior visibility offers excellent results for DVD viewing, such as movies and concerts, as well as TV viewing. By connecting the DVD main unit VXZ766 or DVD changer VCZ625, an exciting car entertainment environment can be easily created.

### Tilt & slide mechanism

Equipped with a tilt & slide mechanism that allows the monitor's angle to be adjusted to offer maximum visibility for the driver or passenger. What's more, it also has a function to extend the monitor horizontally for a certain amount of time to allow access to air conditioner controls.



### Multi12 or 8 screen channel selection function

Programmes being broadcast can be checked on the multi-screen with its grid of 12 or 8 sub-screens, allowing quick selection of the channel you wish to view. Since you don't need to flip through channels to check what's on, you can enjoy a much more efficient way of TV viewing.

### Trinity Motion System

By adopting this drive system, it was possible to achieve a wide 8-inch screen for the first time, surpassing the upper limit of previous in-dash TV monitors. So even in situations where you cannot install a large-screen on-dash monitor unit, or where there is only 1-DIN space available, you can experience superior presence and visibility that this in-dash monitor delivers.



## TB741P PAL TB742P China PAL TB743W NTSC

### 7-INCH WIDE COLOUR LCD TV

- 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 TB743W
- Built in TV tuner and 4-way diversity unit
- Audio (L/R) and video output (RCA)
- Screen size select (wide/full wide/cinema/normal)
- RCA AV input (PAL/NTSC compatible, auto)
- 1 rear view camera / video input

\* CAA188 (Sold Separately) is required.



In-Dash 7-Inch Monitor with Fully Motorised Mechanism



## TTX754 PAL TTX7501Z NTSC TTX7503Z PAL/SECAM

### CeNET TV TUNER



- CeNET controlled
- Diversity tuner system
- A/V input with optional CCA389 cable
- 1 camera input\*
- 2 video outputs

\* CAA188 (Sold Separately) is required. The CCA389 (Sold Separately) is required when using this unit as an audio-visual input terminal.

# You can now get images and music with astonishing cost-performance



Detachable control panel

## DB346MPV

### CD/MP3/VCD RECEIVER



- Z-enhancer • Magna Bass EX dynamic bass enhancement
- 4-channel RCA line level output • 4-channel x 50 watts
- 18FM/6AM presets • Blue negative LCD with blue buttons
- 13-segment 8-digit LCD • Aluminium faceplate • 1 video output (RCA)

### System example



## VS755

### DVD/CD/VCD/MP3 PLAYER



- DVD±R/RW ready • NTSC/PAL formatted DVD compatible • CD-R/RW and JPEG imagedisc ready • MP3 compatible with ID3 TAG • 16:9/4:3 adjustable screen format • On-screen display • 2 audio/video inputs (includes front panel A/V input) • Parental level settings

## VCZ625

### 6-DISC DVD/CD/VCD/MP3 CeNET CHANGER



- Optical output • MP3 compatible • 2 system configurations possible: Full control with remote controller/Easy control with CeNET • DVD video playback with multi-angle and multi-functions (depending on the video software) • Disc indicator • 2 RCA Video outputs



### DVD video, VCD plus music CD and MP3

The compact VCZ625 changes the rules for disc changers. It offers big performance — playing back DVD video, VCD, CD audio, CD-R/RW, and even MP3 discs — in a package small enough to use almost anywhere. Add the VCZ625 to your system for continuous playback with the rich, full immediacy of theatre and live performances. You can even play back your own mixes of MP3 files you've burned to disc. And to move up to the full 5.1-channel theatre sound system experience, just add Clarion's DVH940 5.1-channel surround decoder (sold separately).

## DCZ625V

### CeNET 6-DISC CD/VCD CHANGER



- 8-times oversampling digital filter • Horizontal or vertical mounting capability • Optical output • CD text and CD titling • PAL/NTSC selectable
- 1 video output



**DVH940**  
DOLBY DIGITAL/dts CeNET  
PROCESSOR



- Built-in decoder for Dolby Digital (AC3) and dts with 5.1-channel output
- Built-in decoder for virtual 5.1-channel "Dolby Digital Pro Logic II" system
- Integrated Digital Sound Field (DSF) processor
- Front/Centre/Rear surround channels with adjustable crossover frequencies (HPF) through /50/80/120 Hz
- Adjustable crossover frequency (LPF) 50/80/120 Hz for subwoofer
- Optical input
- Includes optical cable: DCA-005 (5 m) for MAX667VD/VRX766VD/VCZ625
- Analogue input with adjustable HIGH/MID/LOW
- Dimensions: 230 (W) × 170 (D) × 25 (H) mm



**DVC920**  
DOLBY DIGITAL/dts  
CeNET PROCESSOR  
CONTROLLER

- Contrast adjustment
- Screensaver
- DVH940 commander available for any main unit with 2-channel audio output



**Excellent solution for 5.1-channel surround sound systems**



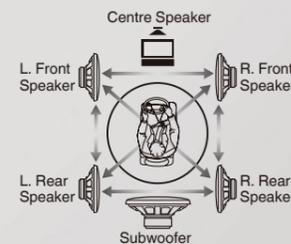
**SRK5**  
1/2-DIN CENTRE CHANNEL SPEAKER  
WITH POWER AMPLIFIER

- 1/2 DIN fixed application
- Fits in all DIN and 1/2 installation kits
- 50 watts amplifier
- 20 watts RMS
- RCA audio input
- 5 - 3/4-inch full range 4-ohm speakers in a sealed enclosure with 2 - 1-inch rear-mounted midbass reinforcement speakers ported to the front of the enclosure
- Excellent solution for 5.1-channel surround systems

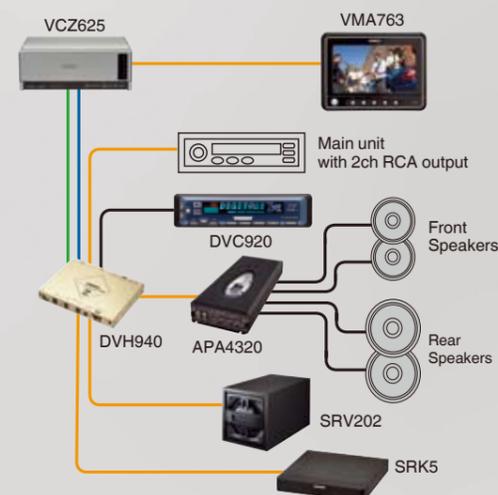
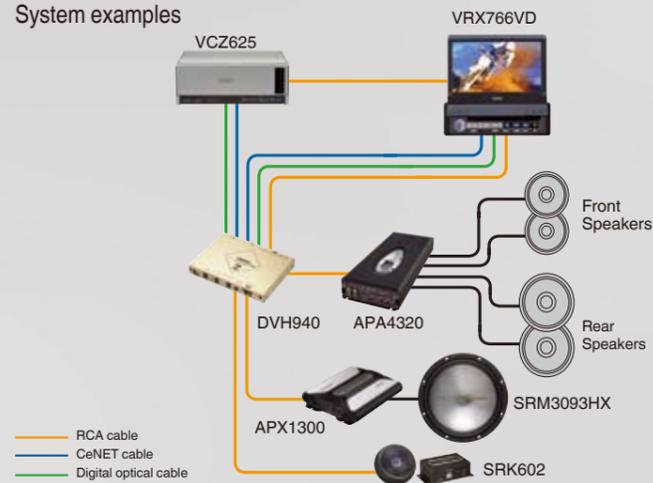


**SRK602**  
CENTRE SPEAKER SYSTEM  
WITH POWER AMPLIFIER

- 6 cm 2-way coaxial speaker with 50 watts high power amplifier
- Thin and small size for easy installation
- Efficiency: 85 dB/W/m
- Frequency response: 140-40,000 Hz



System examples



Multimedia Features

	VRX766VD	MAX667VD	VRX935VD	VXZ766	VXZ756	DB346MPV
DVD / CD	DVD video, Video CD, CD audio compatible	●	●	●	●	●
	DVD±R, DVD±RW playback	●	●	●	●	●
	CD-R, CD-RW playback	●	●	●	●	●
	MP3 compatible with ID3-TAG display	●	●	●	●	●
	WMA compatible	●	●	●	●	●
	CD text	●	●	●	●	●
TUNER	2-Zone entertainment	●	●	●	●	●
	Station presets	18FM, 6AM				
AUDIO	DSP AM/FM tuner	●	●	●	●	●
	Variable bandwidth	●	●	●	●	●
	Maximum output power	4 x 50 watts	4 x 50 watts	4 x 53 watts	4 x 52 watts	4 x 50 watts
	Built-in amplifier canceller	●	●	●	●	●
	D/A converter	24-bit	24-bit	24-bit	24-bit	24-bit
	Parametric equaliser	3-band	3-band	3-band	2-band	2-band
DISPLAY	Magna Bass EX dynamic bass enhancement	●	●	●	●	●
	Fully motorised 7-inch TFT colour LCD monitor	●	●	●	●	●
	Motorised sloping 7-inch TFT colour LCD monitor	●	●	●	●	●
	Touch panel control with soil-resistant finishing	●	●	●	●	●
	Excellent off-axis viewing	●	●	●	●	●
	Adjustable display brightness	●	●	●	●	●
GENERAL	Auto dimmer with sensor	●	●	●	●	●
	Flip-down console panel	●	●	●	●	●
	Detachable control panel	●	●	●	●	●
	iPod direct connection and control	●	●	●	●	●
	CATS: Theft prevention system with personal code	●	●	●	●	●
	Blinking LED for anti-theft	●	●	●	●	●
	CeNET Control of DVD changer	●	●	●	●	●
	CeNET Control of 5.1-channel decoder	●	●	●	●	●
	CeNET Control of TV tuner	●	●	●	●	●
	CeNET Control of 6-disc CD changer	●	●	●	●	●
	CeNET iPod interface compatibility	●	●	●	●	●
	RCA line level output	6 ch				
	Additional RCA line level output for 2-Zone control	2 ch				
	Video output	1 ch	1 ch	1 ch	2 ch	2 ch
Optical output	1	1	1	1	1	
AUX input with level control	2 ch	2 ch	2 ch	2 ch	2 ch	
CCD camera direct input	●	●	●	●	●	
Infrared remote control	RCB-177	RCB-177	RCB-164	RCB-177	RCB-172	RCB-164

**Power and presence to turn your car interior into a movie theatre or concert hall**

**5.1ch Dolby Digital/dts Surround**

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



## Give your rear-seat passengers first-class entertainment

A rear-seat entertainment system is the perfect remedy for those long road trips. Offering the latest LCD technology, Clarion's rear-seat video line offers several key features, including built-in DVD players, external Game Ports, widescreen viewing, and more. So take the show on the road with Clarion's rear-seat entertainment line.



### **OHMD102** 10.2" OVERHEAD FLIP-DOWN LCD WIDE MONITOR WITH DVD PLAYER



- DVD video and audio CD compatible • DVD±R/RW ready • CD-R/RW ready • 10.2" TFT LCD colour monitor • 16:9/4:3 adjustable screen format • On-screen display • 1 AV inputs • 1 AV output • Built-in IR transmitter • FM modulator control cable (for optional FM200) • Infrared remote control • Easy-fit universal metal mounting bracket included • Built-in dome lights • Supports NTSC and PAL • Dimensions: 270(W) x 59(H) x 287(D) mm



### **OHM156** 15.4" OVERHEAD FLIP-DOWN LCD WIDE MONITOR

- 15.4" WXGA colour monitor • 16:9/4:3 adjustable screen format • On-screen display • Picture in Picture (PIP) • 4 AV inputs • 1 AV output • Adjustable split screen viewing • Infrared remote control • Easy-fit universal metal mounting bracket included • Built-in dome lights • FM modulator control • Dimensions: 384(W) x 44 (H) x 337 (D) mm



### **OHM106** 10.2" OVERHEAD FLIP-DOWN LCD WIDE MONITOR

- 10.2" WXGA colour monitor • 16:9/4:3 adjustable screen format • On-screen display • Picture in Picture (PIP) • 4 AV inputs • 1 AV output • Adjustable split screen viewing • Infrared remote control • Easy-fit universal metal mounting bracket included • Built-in dome lights • FM modulator control • Dimensions: 273(W) x 44(H) x 235(D) mm



### 2-Zone and Split Screen entertainment

Clarion's split screen and picture in picture technologies can keep the whole family happy. Now the kids can play video games and watch a DVD movie at the same time. And, thanks to dual IR output technology, wireless headphones provide the ideal solution to dual-zone entertainment and family disagreements.

### ACCESSORIES

#### **MSS430** MULTI-ZONE AUDIO/VIDEO SWITCHER

- 3 control station and mounting bezel included
- Audio level gain control • Multi-source switching of 4 A/V sources with up to 3 different zones (monitors) • 4 RCA A/V inputs • 3 RCA A/V outputs • Rear view camera reverse trigger input



#### **VA700** VIDEO DISTRIBUTION AMPLIFIER

- 1 gain control • 1 RCA video input • 7 buffered 75 ohm RCA video outputs • Stable video signal for up to 7 LCD monitors



#### **FM200** FM MODULATOR

- 2 ch RCA audio input • On/Off switch • Volume level control • FM reception frequency: 88.7MHz/89.1MHz



#### **WH143/WH143H/WH253H** WIRELESS HEADPHONE SYSTEMS

- WH143H: IR wireless single headphones
- WH253H: Dual channel IR wireless single headphones



#### **CC1030E** COMPACT COLOUR CCD CAMERA (MIRROR IMAGE)



#### **CAA188** REAR VISION CAMERA POWER SUPPLY FOR CC1030E

#### **CCA389** 8P DIN RCA A/V ADAPTER FOR TTX754/TTX7501z/TTX7503z



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



### **VMA763** 7" WIDE-SCREEN HEADREST LCD MONITOR

- Slim, easy-fit universal mounting bracket (included) • TFT active matrix display with 16:9/4:3 format • On-screen display (OSD) • 2 A/V inputs • Convenient external A/V game port (included) • Dual IR output for headphones (optional WH253H) • Built-in IR receiver • Front-panel controls for power, source and picture • Dimensions: 183(W) x 128 (H) x 29 (D) mm



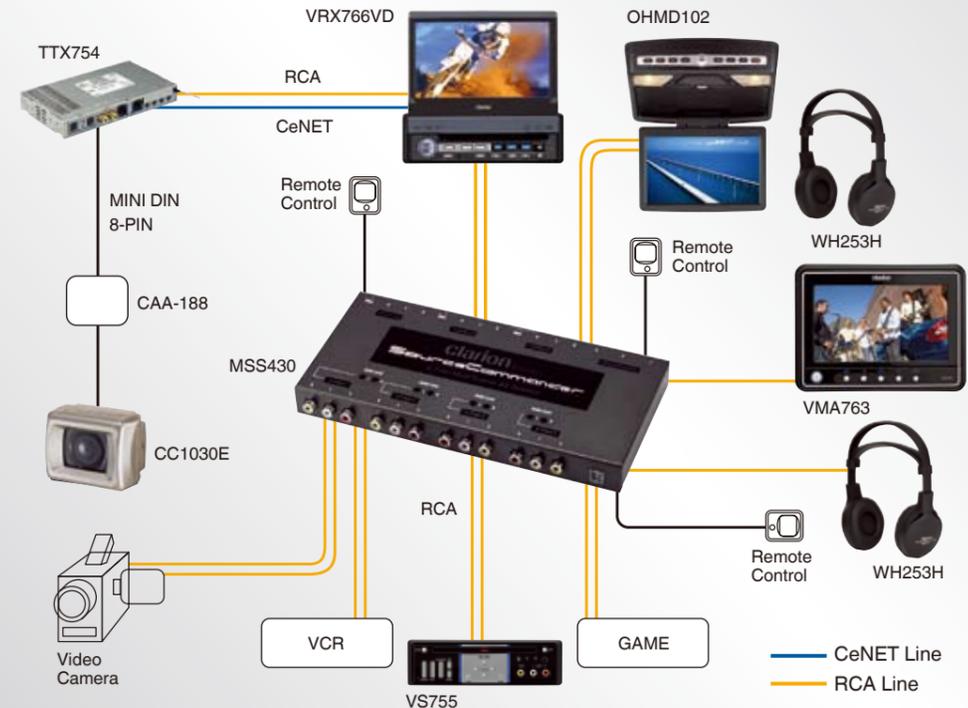
### **VMA563** 5.8" WIDE-SCREEN HEADREST LCD MONITOR

- Slim, easy-fit universal mounting bracket (included) • TFT active matrix display with 16:9/4:3 format • On-screen display (OSD) • 2 A/V inputs • Convenient external A/V game port (included) • Dual IR output for headphones (optional WH253H) • Built-in IR receiver • Front-panel controls for power, source and picture • Dimensions: 161(W) x 115 (H) x 29 (D) mm

### Multi-Zone System

Clarion's MSS430 multi-zone "Source Commander" is an advanced audio and video switcher with a built-in video amplifier for exceptional video signal on up to three monitors using Composite Video inputs. It can accept up to 4 different video sources (such as DVD, Portable Media, Video Game and Rear View Camera) and send any combination of the source inputs to each of the three zones independently. Each zone contains a Composite Video output for a monitor and 2-channel RCA outputs for headphones or a zone

amplifier/processor. This configuration is ideal for traditional candidates like SUVs and large sedans, but the possible applications extend to recreational vehicles, travel coaches, limousines and ultra high-end executive vehicles. Clarion has all the necessary support items like WH143H / WH253H wireless headphones, several LCD monitor choices and even FM modulators. Clarion multimedia is the future.



# Main Units

Experience this sound, witness the future.

The latest in audio technology, together with our commitment to usability and safety, are condensed into mere 1-DIN dimensions. Clarion units are the ultimate, offering everything wanted in a next-generation main unit; from the unwavering commitment to high fidelity sound, as well as compatibility with new media and mobile tools. Optimedia Display defines conventional wisdom. Clarion's 2006 main unit lineup will appeal to the driver's sense of superiority, offering next-generation functions and performance to reshape the in-car musical experience of a new generation of users.

## Leading-edge intelligent functions transform the car into the ultimate acoustic space.

Optimedia Display is a new style of GUI offering vastly improved usability and safety. Keeping the number of buttons and knobs at a bare minimum, control of nearly all units is done right at the display panel. The panel responds immediately



and accurately to your commands – you just touch or slide your finger across the panel – for intuitive control of various modes and functions. High-end main units feature a black faceplate that adds a cool look to the touch-activated intelligent functions.

## Compatibility with a wide range of media & devices extend the possibilities of future car audio

It goes without saying that disc media such as audio CD and CD-R/RW are supported, but smart collaboration with a wide range of compressed audio media such as MP3/WMA, as well as compatibility with the portable audio standard-setter iPod® opens up whole new possibilities for driving enjoyment. Furthermore, the



2006 lineup can connect to SD cards or USB devices, and supports playback of MP3/WMA files directly from USB memory or USB players as well as standard MP3/WMA playback. You can now enjoy the flexibility and wide ranging possibilities that the latest music devices and media formats can provide, both inside and outside your car.

## Sound quality and acoustic field analysis technologies bring out the best sound for your car's spatial environment.

Inheriting Clarion's commitment to sound in its design concept, the AC Processor IV is our original digital processor that concentrates the high sound quality and acoustic field analysis technologies of a high-end model into a single chip. Gathering Digital Crossover, Dolby Prologic II, Time Alignment functions, its dynamic sound and ability to flexibly accommodate your car's interior will instantly transform your listening experience. What's more, the Listening Position Optimiser



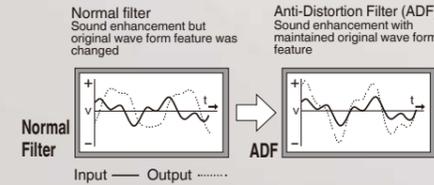
(LPO) that virtually adjusts the speaker distance to create a sound stage that matches a wide variety of vehicles, and Digital Z-Enhancer that lets you choose from 4 preset equalisation patterns to satisfy your sound preferences. This gives the means to freely adjust and adapt the sound to your car interior.

# Redefining the term digitally remastered: Optimedia display



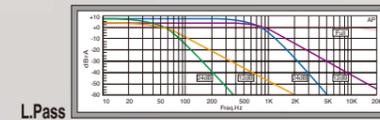
### Optimedia display

The DXZ866MP is one of two new main units offering Clarion's next-generation Optimedia display technology – a feature that blends impeccable graphics with touch-screen control. Remastered, Optimedia display has evolved from its first-generation monochrome look to full colour in 2006. We didn't stop there, however. The motion graphics this technology offers are vastly improved, and the revamped onscreen layouts make navigating through the unit's menu screens easy. For unparalleled looks and control ... Optimedia display.



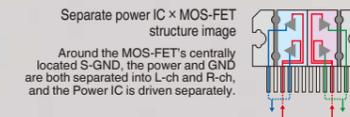
### ADF (Anti Distortion Filter)

Don't let sound-hindering factors such as road noise and rushing wind get in the way of great sound. Because the vehicle tends to make it difficult to hear high and low frequencies, Clarion outfits its high-end main units with an Anti Distortion Filter. This filter eliminates mutual phase distortion that can occur, and emphasises the natural frequency characteristics of the sound. The result is crystal clear, high-quality sound reproduction.



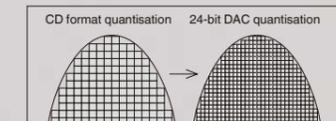
### LPF (Low-Pass Filter)

For optimal subwoofer performance, Clarion equips its DXZ866MP with a built-in Low-Pass Filter. Offering users selectable frequencies at 50 Hz, 80 Hz, and 120 Hz, Clarion's Low-Pass Filter stops mid- and high-range frequencies from entering the subwoofer output. This allows users to really dial in the bass so it hits harder, tighter and cleaner.



### MOS-FET power amplifier

There's only one way for Clarion's DXZ866MP to deliver 4 × 53 W of unyielding power output and superior linearity: MOS-FET amplification, also known as Metal Oxide Semiconductor Field Effect Transistor amplification. Smaller and more efficient than conventional power supplies, this MOS-FET amplification circuit delivers power with less distortion and zero On/Off switching noise. So crank it up, or turn it down for easy listening. Either way, with MOS-FET amplification, your music has never sounded quite like this.



### 24-bit D/A converter

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

Offering 24-bit D/A converters, a high-power MOS-FET amplifier, Clarion's Optimedia display technology, a 4.2-inch Multicolour TFT display, and an attractive metal tone faceplate, the DXZ866MP really does look as good as it sounds. Loaded with sound-enhancement features, such as Clarion's Anti Distortion Filter and 2-band parametric EQ, the DXZ866MP puts you in control of your sound. This is a main unit that truly does it all.

## DXZ866MP

CD/MP3/WMA RECEIVER / CeNET & TOUCH PANEL CONTROL



- Optimedia display: 4.2-inch 256-colour full dot TFT LCD
- ADF(Anti Distortion Filter)
- Touch panel control
- 2-band parametric equaliser
- Low-pass filter
- 24-bit D/A converter
- 18 FM, 6 AM station presets
- DSP tuner with variable bandwidth
- 4-channel × 53 watts of MOS-FET amplification
- MP3 and WMA compatible with ID3-TAG display
- CD-R/RW ready
- Auto dimmer with sensor
- Adjustable display contrast
- Wallpaper and screensaver
- Spectrum analyser
- CeNET Control of: DVD changer(easy), TV tuner, 6-disc CD changer
- 4-volt/6-channel RCA output
- 2-channel AUX input with level control
- CeNET iPod interface compatible



Detachable control panel



Motorised sloping console



Rotary volume control

### Screensaver



### Day & Night



### L.P.F



### Wallpaper



### P.E.Q



### Spectrum analyser



### Hi-Fi System Plan





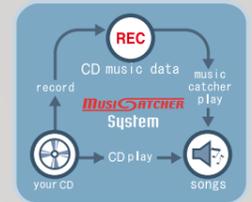
## A sense of superiority through the manipulation of the highest level of sound

The advanced 4.2-inch TFT colour display crystallizes Clarion's HMI (Human Machine Interface) technology into the Optimedia display, which shows the setting status of each function in super-high definition. And, in addition to this high-visibility and operability, Clarion's sound quality and sound field analysis technology equaling that of any high-end models has been combined with high-definition sound and condensed into the "AC Processor IV" chip, which creates a refined in-car audio-visual environment. Additionally, the inclusion of Music Catcher lets you enjoy CD changer-like long play, and provides comfort, safety, and operability, as well as Clarion's well-known top-edge sound quality. These features are condensed with new technology and high performance to completely transform your in-car music scene.

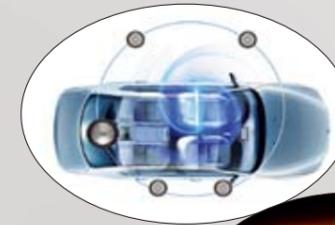


### Music Catcher

Representing the first Optimedia main unit to incorporate Clarion's Music Catcher one-touch CD recording technology, Clarion's DXZ956MC is truly what innovation is all about. All it takes is a simple press of the onscreen "Record" button to get 6 CDs worth of music storage. To access your Music Catcher collection for skip-free playback, simply press the "Function" button. It's that easy. For additional Music Catcher options, press the "Mode" button on the faceplate. From there, you'll get full touch-screen control of play and editing functions. This is truly high-tech innovation made simple.



## "AC-Processor IV" for next-generation digital sound processing



### Digital Time Alignment

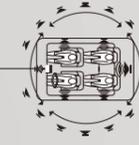
In order to obtain a good sound positioning, it is ideal to locate each speaker to the listener in equidistant. However, it is almost impossible to realise it for car audio installation. Digital Time Alignment works to move away the speakers in virtual, so that the desirable listening field can be easily realised. The range can be adjusted from 0 to 501.4cm in 2.3cm steps.



### Virtual Space Enhancer

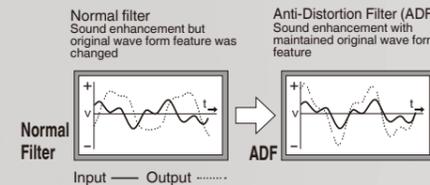
Lets you digitally correct irregular reflection, polarisation and other acoustic problems that may result from your vehicle's interior design. In addition, simply choose from these three available options: SEDAN, WAGON and MINI-VAN

- RADIO
- MUSIC CATCER
- DVD
- CD
- VCD
- iPod
- TV
- AUX



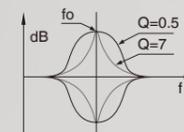
### Dolby Pro Logic II

Lets you enjoy 5.1-channel surround sound with any 2-channel sources, including DVD, CD, VCD, MP3, WMA and radio tuner. Virtual 5.1-channel surround using 4 speakers is also available.



### Anti Distortion Filter

ADF (Anti Distortion Filter) is a newly developed equalising system, which is designed to match peak of frequency curve to the original one. Conventional tone control or loudness is effective for emphasising bass/treble sound, however, due to phase discordance, it sometimes damages the original sound. Thanks to the Clarion's latest sound technology, ADF is able to reinforce bass/treble sound without causing such distortion, so that the original sound can be lively reproduced after equalization. Three preset patterns and one user memory is provided.



### 3-band parametric EQ

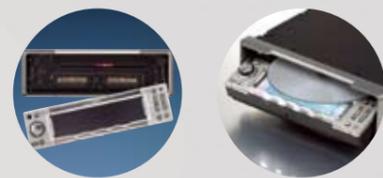
Lets you adjust the equalisation of each frequency band independently for front and rear speakers.

## DXZ956MC

CD/MP3/WMA RECEIVER / CeNET & TOUCH PANEL CONTROL/ MUSIC CATCHER



- Optimedia display: 4.2-inch 256-colour full dot TFT LCD
- Touch panel control
- Music Catcher CD recorder
- AC Processor IV with DSP
- 3-band parametric equaliser
- Low-pass filter and High-pass filter
- Shockproof memory (45 sec.)
- 18 FM, 6 AM station presets
- DSP tuner with variable bandwidth
- 4-channel x 53 watts of MOS-FET amplification
- MP3 and WMA compatible with ID3-TAG display
- CD-R/RW ready
- Auto dimmer with sensor
- Adjustable display contrast
- Wallpaper and Screensaver
- Codematic
- Spectrum analyser
- CeNET Control of: DVD changer(easy), TV tuner, 6-disc CD changer
- 4-volt/6-channel RCA output
- 2-channel AUX input with level control
- CeNET iPod interface compatible



Detachable control panel CD loading slot (Slope console)

### Digital crossover

Separates the sound spectrum into different bands so you can minimize peaking and phase cancellation, which can result in muddy sound when using a 2-way or 3-way speaker system. Crossover circuitry also optimizes each output range, resulting in more natural and smooth transitions between ranges. And since it's built-in, it requires no additional equipment or expertise. The

cut-off frequency, filter, slope and phase can be adjusted for each band, enabling precise sound tuning. You can also set a time alignment value for each speaker for optimal sound matched to the vehicle's acoustics.

### Multi mode (when selecting subwoofer)

Speaker output		Crossover frequency			
			Crossover slope	Level adjustment	phase nor/rev
CROSS-OVER	HIGH (HPF)	f=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, 20kHz, THROUGH / Factory setup 2 kHz	-6, -12, -18dB/oct Factory setup -12dB/oct	0 ~ -20 dB	With switchover
	MID (LPF)	f=630, 800, 1k, 1.25k, 1.6k, 2k, 2.5k, 3.15k, 4k, 5k, 6.3k, 8k, 10kHz, THROUGH / Factory setup 2 kHz	-6, -12, -18dB/oct Factory setup -12dB/oct	0 ~ -20 dB	With switchover
	MID (HPF)	f=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, 10kHz, THROUGH / Factory setup THROUGH	-6, -12, -18dB/oct Factory setup -12dB/oct		
	SUB (LPF)	f=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, 10kHz, THROUGH / Factory setup 80 Hz	-6, -12, -18dB/oct Factory setup -12dB/oct	+6 ~ -20 dB	With switchover
	SUB (HPF)	f=16, 25, 31.5, 40, 50, 63, 80, 100, 125, 160, 200, 250Hz, THROUGH / Factory setup THROUGH	-6, -12, -18dB/oct Factory setup -12dB/oct		

## Overwhelming power of expression set free by the super-high definition display



Equipped with the industry's first fully Integrated full-dot high-definition 16-grade greyscale VFD, the DXZ766MP expresses both text and moving pictures in super-high definition. The fashionable radiance of the unit combined with high-definition sound creates a sophisticated car audio-visual space. The unit is fully equipped with a 24-bit D/A converter, which faithfully expresses every nuance of the digital source sounds on recorded CDs, Z-Enhancer, which you can use to alter the sounds suit your favourite taste in music, and 4V 6-channel output terminals, which extend the realms of in-car entertainment excellence.

### DXZ766MP

CD/MP3/WMA RECEIVER/CeNET CONTROL



- Z-Enhancer sound customisation • Low-pass filter • 18 FM/6 AM station presets
- 4-channel x 53 watts of MOS-FET amplification • MP3 and WMA compatible with ID3-TAG display • CD-R/RW ready • FI VFD (Fully Integrated 16-gradation full dot VF display) (256 x 64 dot) • 728-variable colour illuminated keys • Screensaver
- CeNET control of: DVD changer (easy), TV tuner, 6-disc CD changer • 4-volt/6-channel RCA output • 2-channel AUX input with level control • CeNET iPod interface compatible



Detachable control panel



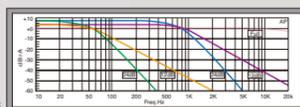
**FI VFD (Fully Integrated full dot vacuum fluorescent display)**  
Equipped with a high-definition full-dot display that clearly and distinctly displays letters, numbers and graphics. Text display and advanced motion picture displays are speedily and beautifully projected thanks to the easy-to-see 16-grade greyscale and warm graphic expression.



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



**Smart control & retractable rotary volume control**  
Much more ergonomic and intuitive than buttons, this control lets you adjust the volume with analogue type flexibility. It's just another way Clarion helps you keep your eyes on the road while keeping your ears entertained.



**LPF (Low-Pass Filter)**  
For optimal subwoofer performance, Clarion equips its DXZ766MP with a built-in Low-Pass Filter. Offering users selectable frequencies at 50 Hz, 80 Hz, and 120 Hz, Clarion's Low-Pass Filter stops mid- and high-range frequencies from entering the subwoofer output. This allows users to really dial in the bass so it hits harder, tighter and cleaner.

## Stylish collaboration of sound and light



Thanks to the high-definition 16-tone scale full-dot VFD and 728-variable colour brilliant key illumination, text and graphics are vividly projected onto the DXZ666MP. The motorised sloping console is designed in consideration of space-saving and overall car interior design. Along with the smart control, which allows volume control or track changing, the DXZ666MP features added fashion and operability and crystal clear high-definition sounds.

### DXZ666MP

CD/MP3/WMA RECEIVER/CeNET CONTROL



- Z-Enhancer sound customisation • 18 FM/6 AM station presets • 4-channel x 53 watts of MOS-FET amplification • MP3 and WMA compatible with ID3-TAG display • CD-R/RW ready • 16-gradation Full dot VF display (114 x 32 dot + 88 icon) • 728-variable colour illuminated keys • Spectrum analyser
- Screensaver • CeNET control of: DVD changer (easy), TV tuner, 6-disc CD changer • 4-channel RCA output • 2-channel AUX input with level control • CeNET iPod interface compatible



Detachable control panel



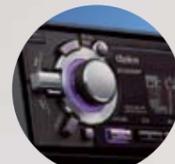
**Multicolour buttons**  
The 2006 Clarion range offers three main units with which you can adjust the RGB levels to cosmetically harmonise the colour design of keys with your car's dashboard illumination. You can choose between 728 different colour possibilities to perfectly match your preferences.



Motorised sloping console



**Smart control key**  
Whether it's a regular CD or a hefty collection of MP3/WMA songs, this function lets you quickly and easily access the exact song you want to hear regardless of the recorded media.



Rotary volume control



**212 watts MOS-FET power amplifier**  
There's only one way for Clarion's DXZ666MP to deliver 4-channel x 53 watts of unyielding power output and superior linearity: MOS-FET amplification, or, otherwise known as Metal Oxide Semiconductor Field Effect Transmitter amplification. Smaller and more efficient than conventional power supplies, this MOS-FET amplification circuit delivers power with less distortion and zero On/Off switching noise. So crank it up, or turn it down for easy listening. Either way, with MOS-FET amplification, your music has never sounded quite like this.

## Equipped with a USB port for extended musical style and expression

The DB566USB features intrepid design and sharp impression wrapped up in a single main unit. You can now enjoy your favourite MP3/WMA format music files played directly from USB memory players thanks to the incorporation of a USB port. Compatibility with a wide range of media seamlessly extends your enjoyment of music. Furthermore, the employment of amazing audio technology such as the Z-Enhancer, which allows you to choose your favourite type of sounds to suit your musical tastes, and Magna Bass EX, which delivers profound, clear bass, helps the DB566USB to achieve a truly impressive quality of sound.

### DB566USB CD/USB/MP3/WMA RECEIVER



- USB slot on front escutcheon
- Z-Enhancer sound customisation
- 18 FM, 6 AM station presets
- 4-channel x 50 watts of MOS-FET amplification
- MP3 and WMA compatible with ID3-TAG display
- CD-R/RW ready
- High contrast white negative display (13 x 8 digits) with screensaver
- 4-channel RCA output
- 2-channel AUX input
- Detachable control panel



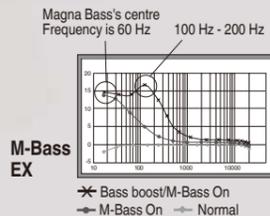
Rotary volume control

#### USB interface

You can now connect all kinds of peripheral equipment using the common USB (Universal Serial Bus) standard interface. By connecting a mobile audio player directly to the USB connector, you can enjoy all of your MP3/WMA format music files through the car audio system. The system supports a maximum of 255 files, 255 folders, 28 character file names and 16-character folder names.

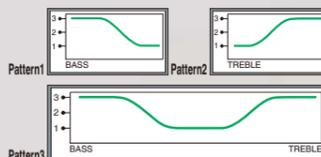


USB slot



#### Magna Bass EX

Compared to conventional loudness features, which boost the low frequency range of 100 Hz, Magna Bass boosts the ultra-low frequency range with a centre frequency of around 60 Hz. For additional bass response, Clarion has added Magna Bass EX, which goes beyond Magna Bass by boosting the ultra-low frequency range centered around 60 Hz. This feature also reduces noise thanks to its automatic compensation function, which produces well-balanced, dynamic bass sound no matter how loud you play the music.



#### Z-Enhancer

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

## Bold black face equipped with a high-detail full dot LCD



The flip-down panel on the DXZ466MP features a sophisticated black face design. It has an exceptionally bright, high-definition full-dot LCD to enable reading in any situation. It displays valuable informations, such as playback status, artist name and various other informations. Moreover, the unit offers outstanding sound quality thanks to features such as the Z-Enhancer, which is used to adjust the sound to suit your own personal taste, Magna Bass EX, which powerfully and faithfully reproduces clear bass, and an internal high-power MOS-FET amplifier with an output of 4 x 52 watts. What's more, it has 4-channel (2 front channels + 2 rear channels) output, making it a truly versatile main unit with lots of possibilities for system expansion.

### DXZ466MP

CD/MP3/WMA RECEIVER/CeNET CONTROL



- Z-Enhancer sound customisation
- 18 FM, 6 AM station presets
- 4-channel x 52 watts of MOS-FET amplification
- MP3 and WMA compatible with ID3-TAG display
- CD-R/RW ready
- Full dot LCD (160 x 48 dot)
- Adjustable display contrast
- Screensaver
- CeNET Control of: TV tuner, 6-disc CD changer
- 4-channel RCA output
- 2-channel AUX input with level control



Flip down console



#### 208W MOS-FET power amplifier

There's only one way for Clarion's DXZ466MP to deliver 4-channel x 52 watts of unyielding power output and superior linearity: MOS-FET amplification, or, otherwise known as Metal Oxide Semiconductor Field Effect Transmitter amplification. Smaller and more efficient than conventional power supplies, this MOS-FET amplification circuit delivers power with less distortion and zero On/Off switching noise. So crank it up, or turn it down for easy listening. Either way, with MOS-FET amplification, your music has never sounded quite like this.

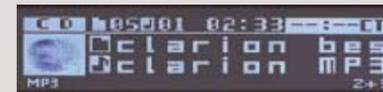


Detachable control panel



#### Retractable rotary volume and smart control

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



#### Negative 2-line LCD 2-line-display supports MP3 and WMA audio formats

A stylish, easy-to-view 2-line LC display with a blue background and source icons placed on the left side provides the ultimate, easy-to-use and easy-to-read experience. Furthermore, support for MP3 and WMA audio formats enables you to store and listen to more than 100 tunes on a single CD-R/RW disc, thus making long drives enjoyable and comfortable.

#### Message Information

Personalize your main units display screen by adding your own text message. For added effect, this feature also allows your message to scroll across the screen. Use this feature as a bulletin board for your vehicle, or utilize it as a memo pad.

## Intense black form that sets the energy of the original sound free

The DXZ366MP, DB266MP, and DB166 main units give you the feeling of a solid, intense black form presence in the cockpit that is combined with high performance. Each of the three models is equipped with the Z-Enhancer, which allows you to set 3 equalizing patterns that emphasize the full range of bass and treble tones while still maintaining a good balance of sound. The units also incorporate Magna Bass EX, which compensates for high volume by applying a weaker boost and low volume by applying a stronger boost, delivering dynamic bass to your favourite music. Clarion has accumulated unique technology that is able to break through the barriers that the in-car environment presents to produce the finest high-quality sound.



### DXZ366MP

CD/MP3/WMA RECEIVER/CeNET CONTROL

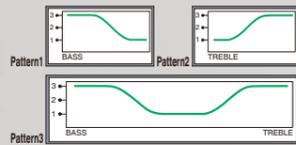


- Z-Enhancer sound customisation
- 18 FM, 6 AM station presets
- 4-channel x 50 watts of MOS-FET amplification
- MP3 and WMA compatible with ID3-TAG display
- CD-R/RW ready
- High contrast blue negative display (13 x 8 digits) with Screensaver
- CeNET control of: DVD changer (easy), TV tuner, 6-disc CD changer
- 2-channel RCA output
- CeNET iPod interface compatible



#### Flip down console

At the touch of a button, the control panel flips down to reveal a CD loading slot. This design allows more effective usage of the control panel with a larger display and larger knobs for easier operation.



#### Z-Enhancer

Z-Enhancer acts as a super loudness compensation EQ, providing users with three selectable listening patterns. The first adds more bass, the second adds more treble, and third dose both.

#### MP3, WMA and ID3-TAG

Both models handle MP3 and WMA digital audio files, and both support ID3-TAG coding for display of title info. Because both MP3 and WMA files are compressed, each CD-R or CD-RW can hold up to 12 hours of music with CD sound quality.



Rotary Volume and Smart Control



Detachable Control Panel



### DB266MP

CD/MP3 RECEIVER



- Z-Enhancer sound customisation
- 18 FM, 6 AM station presets
- 4-channel x 45 watts amplification
- MP3 compatible with ID3-TAG display
- CD-R/RW ready
- High contrast blue negative display (13 x 8 digits) with Screensaver
- 2-channel RCA output



Rotary Volume Control



Detachable Control Panel



### DB166

CD RECEIVER



- Z-Enhancer sound customisation
- 18 FM, 6 AM station presets
- 4-channel x 45 watts amplification
- CD-R/RW ready
- High contrast blue negative display (13 x 8 digits) with Screensaver
- 2-channel RCA output



Rotary Volume Control



Detachable Control Panel



## The essence of audio is alive in its design

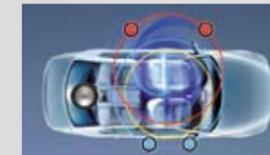
With brushed metal finish, the boldly noticeable faceplate is divided into five sections, with control knobs that offer superior usability laid out on its surface. Clarion's WXZ466MP offers unprecedented presence as a high quality audio component. The graphical image offered by the 23-band spectrum analyser puts a finishing touch on this powerful 6 CD unit. Design is made to satisfy sense expectation. Enjoy double sized design with this original product. More and more cars offer large installation space in their dashboard. The perfect product to achieve your car interior is born.

### WXZ466MP

2-DIN 6-DISC CD/MP3/WMA RECEIVER / CeNET CONTROL



- 18FM, 6AM station presets • 4-channel x 50 watts of MOS-FET amplification • MP3 and WMA compatible with ID3-TAG display
- CD-R/RW ready • VF display with Spectrum analyser and Screensaver • CATS: Theft prevention system with personal code • CeNET Control of: DVD changer (easy), TV tuner, 6-disc CD changer • 4-channel RCA output • 2-channel AUX input with level control • CeNET iPod interface compatible



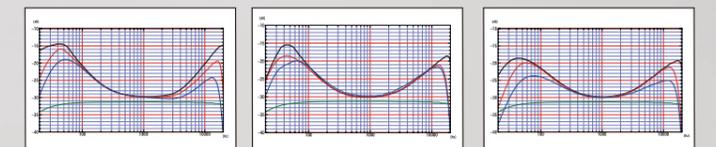
#### Listening Position Optimiser (LPO)

The WXZ466MP's Listening Position Optimiser uses digital processing to virtually adjust the speaker distance, enabling sound stage settings to accommodate a wide variety of different types of vehicles. So no matter what type of car you drive, you can count on Clarion to drive your sound with high precision and realistic presence.

setting	Right		Left	
	Distance	Sample	Distance	Sample
LPO 1 for compact car	R	10cm	13	40cm
	L	40cm	52	10cm
LPO 2 for sedan	R	10cm	13	80cm
	L	80cm	104	10cm
LPO 3 for 1box car	R	10cm	13	160cm
	L	160cm	208	10cm

#### Digital Z-Enhancer

Clarion's Digital-Z Enhancer controls P-EQ, HPF, and LPF through the DSP, allowing you to select from three equalising patterns that emphasise the range of tones in the upper/base regions respectively while maintaining perfect acoustic balance. Furthermore, by adding gain adjustment (HI, MID, LOW) to the 3 equalising patterns, it is now possible to choose from 9 different equalising patterns to customise the sound quality pattern so that it matches your speaker system or music source perfectly.



- DZE1 - High
- DZE1 - Mid
- DZE1 - Low
- DZE - Off
- DZE2 - High
- DZE2 - Mid
- DZE2 - Low
- DZE - Off
- DZE3 - High
- DZE3 - Mid
- DZE3 - Low
- DZE - Off

#### Built-in 6-disc CD changer & MP3/WMA file playback

You can load up to 6 discs in the unit's internal CD changer so you'll probably never run out of music on your drives. In addition to music CDs and MP3 files, the changer also supports WMA files which offer superior compression while maintaining high quality, making it possible to fit the equivalent of full CD library on a single CD-R at comparable quality. ID3/WMA tags are supported to display a wide range of informations on the tunes being played.

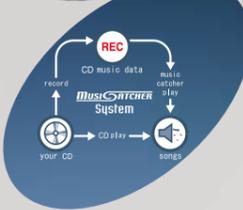


# An image of urban nights through the refinement of light and form

Furnished with a sharp, strikingly designed front panel. Vivid brightness and luster created by the 728 variable colour LED creates an image of city illuminations at night. Moreover, as the DFZ667MC is equipped with an SD card slot enabling smooth compatibility with mobile music players, it is fully capable of seamlessly supporting your musical life in the digital age. And with the inclusion of the highly anticipated "Music Catcher II", which gives you 4X high speed recording and the ability to select from four different tone quality presets, you can enjoy all the benefits of a CD changer long play function at your fingertips without having to carry around a clumsy CD storage case.



- 728-variable colour
- Screen saver
- Music Catcher II CD recorder and SD slot
- Digital Z-Enhancer
- Magna Bass EX dynamic bass enhancement
- 18FM/6AM presets
- 4-channel x 50 watts of MOS-FET amplification
- MP3 and WMA compatible with ID3-TAG display
- CD-R/RW ready
- CeNET Control of: DVD changer (easy), TV tuner, 6-disc CD changer
- 4-channel RCA output
- Front-panel auxiliary input
- Rotary volume control



**Compatibility with a wide range of media**  
DFZ667MC can connect to SD cards devices, and supports playback of MP3/WMA files directly from memory or players as well as standard MP3/WMA playback. You can now enjoy the flexibility and wide ranging possibilities that the latest music devices and media formats can provide both inside and outside your car.

**Music Catcher II "4 Times Speed" digital recording**  
Clarion's leading-edge Music Catcher II lets you record, play and erase data files holding as much music as six of your favourite CDs. Say goodbye to CD changers and storage cases. Don't drop your valuable CDs when you try to load those clumsy cartridges for your bulky old CD changer; catch on to Music Catcher.

- LP Mode : About 650 minutes / 13CDs
  - STD Mode : About 500 minutes / 10CDs
  - HQ Mode : About 350 minutes / 7CDs
  - SHQ Mode : About 250 minutes / 5CDs
- \*1 album 50 minutes conversion

## DFZ667MC

2-DIN CD/SD/MP3/WMA RECEIVER/  
CeNET CONTROL



**Digital Z-Enhancer**  
Clarion's Digital Z-Enhancer controls P-EQ, and through the DSP, allowing you to select from three equalizing patterns that emphasize the range of tones in the upper/base regions respectively while maintaining perfect acoustic balance. Furthermore, by adding gain adjustment (HI, MID, LOW) to the 3 equalizing patterns, it is now possible to choose from 9 different equalizing patterns to customize the sound quality pattern so that it matches your speaker system or music source perfectly.

CD & cassette model equipped with EQ and spena patterns for the mainstream listener



## ADB341MP

2-DIN CD/MP3/CASSETTE RECEIVER



- 18 FM, 6 AM station presets
- 4-channel x 50 watts amplification
- 3-band graphic equaliser
- MP3 compatible with ID3-TAG display
- CD-R/RW ready
- Full logic tape transport
- Auto programme control (APC)
- Spectrum analyser
- Screensaver
- 2-channel RCA output
- 2-channel AUX input



Cool design and basic functions wrapped up in this simple CD & cassette model



## ADX6655z

2-DIN CD/CASSETTE RECEIVER/  
CeNET CONTROL



- Z-Enhancer sound customisation
- 18 FM, 6 AM station presets
- 4-channel x 45 watts amplification
- Dolby B noise reduction
- Full logic tape transport
- Auto programme control (APC)
- Comfortably classic design
- CeNET control of: TV tuner, 6-disc CD changer
- 4-channel RCA output
- CeNET iPod interface compatible



## ARX1970

CASSETTE RECEIVER/  
C-BUS CONTROL



- C-BUS 6-CD changer control
- Auto reverse
- 4-channel x 50 watts amplification
- 2-channel RCA output
- 18FM, 6AM station presets
- Rotary volume control
- Detachable control panel



## AX430

CASSETTE RECEIVER/  
C-BUS CONTROL



- C-BUS 6-CD changer control
- Z-Enhancer sound customisation
- Full logic tape transport
- Auto programme control (APC)
- 4-channel x 50 watts amplification
- 2-channel RCA output
- 18FM, 6AM station presets
- Rotary volume control
- Detachable control panel



## ARB1970

CASSETTE RECEIVER



- Detachable control panel
- Auto reverse
- 18FM, 6AM station presets
- 4-channel x 50 watts amplification
- 2-channel RCA output
- Rotary volume control

## DCZ625

### 6-DISC CD CeNET CHANGER

- 6-disc magazine
- CD-R/RW ready
- 8 x Oversampling digital filter
- Horizontal or vertical mounting capability
- Fibre optical digital output



## DC625

### 6-DISC CD C-BUS CHANGER

- 6-disc magazine
- CD-R/RW ready
- Horizontal or vertical mounting capability

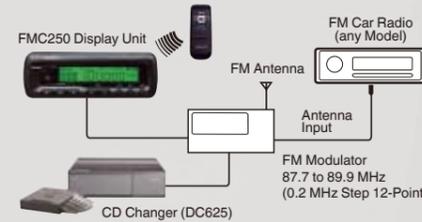


#### Play back CD sound on any FM car radio

The FMC250 controls a Clarion CD changer and plays back the sound via your FM car radio — no matter which brand. The FMC250 hideaway 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.



FM Modulator



## FMC250

### CD CHANGER CONTROLLER WITH FM MODULATOR

- Play/Pause selector • Repeat play
- Random/Scan play • Track search
- Disc selector • Software controlled setup
- Flush mounting bracket included

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



## EQS744

### 1/2 DIN GRAPHIC EQUALISER/CROSSOVER

- 7-Band Graphic Equaliser • Selectable main & AUX inputs
- Subwoofer level control • Selectable subwoofer low pass frequency 60Hz or 90Hz
- 6-channel/ 7-volt RCA line level output

A versatile crossover with inputs for either a three way system, or a two way system with front and rear fader control. A wired remote subwoofer level control is included.

## MCD360

### 3-WAY ELECTRONIC CROSSOVER



- 18 dB/oct. Slope • Front/Rear subwoofer level control
- Built-in bass EQ • Remote subwoofer level control (included)
- Cross frequency multiplier • 2/4/6-channel inputs / separate F/R crossover
- 6-channel line level output

#### CD Changer specifications

	DCZ625	DC625
Wow/Flutter (WRMS)	Below measurable limit	Below measurable limit
S/N Ratio (dB)	105	105
Frequency response (Hz)	95	95
Dynamic range (dB)	5 to 20,000	5 to 20,000
Harmonic distortion (%)	0.01	0.01
Dimensions (W x H x D), mm	225 x 63 x 167	225 x 63 x 167

	HX-D2	HX-D1	DRX625EXL	DXZ650MC	DXZ680MP	DXZ760MP	DXZ660MP	DB960USB	DXZ460MP	DXZ660MP	DB260MP	DB 165	WXZ460MP	DFZ667MKC	ADB341MP	ADY6655Z	ARK1970	AX430	ARB1970
Multi-media																			
Pixel Display				38,400	38,400	16,384	3,648		7,680										
Screen Resolution of				400 x 96	400 x 96	256 x 64	114 x 32		13 x 8	160 x 48	13 x 10								
Touch-Panel Control With Soil-Resistant Finish				•	•														
Source																			
Music Catcher Digital Recorder				•	•														
Plays MP3 and WMA Encoded CDs				•	•														
Plays MP3 Encoded CDs				•	•														
Plays CD-R/RW	•	•/-	•/-	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Full Logic Cassette with Auto Reverse																			
Auto Reverse																			
SD/USB Slot								USB						SD					
AC Processor IV				•	•														
Anti-Distortion Filter				•	•														
Dolby Pro Logic II				•	•														
Built-in DSP for Time Alignment, Seat Position, Virtual Space Enhancer	•			•	•														
Listening Position Optimizer				•	•														
3-Band Parametric EQ	5-Band			•	•														
2-Band Parametric EQ				•	•														
Digital Z Enhancer																			
Z-Enhancer EQ																			
Graphic EQ													9 BAND						
Built-in adjustable High Pass Crossovers for Front/Rear/Centre Channels: Through 50Hz/80Hz/120Hz	•			•	•														
Built-in adjustable Low Pass Crossover with Subwoofer Volume Control: 50Hz/80Hz/120Hz	•			•	•														
Magna Bass EX				•	•														
24-Bit D/A Converter	Burr Brown	•	20bit																
High Power	-----			53W x 4	53W x 4	53W x 4	53W x 4	50W x 4	52W x 4	50W x 4	45W x 4	45W x 4	50W x 4	50W x 4	50W x 4	45W x 4	50W x 4	50W x 4	50W x 4
4-Volt/8ch Gold Plated RCA Line Level Output	Max8V/8ch	Max9V/4ch	Max9V/4ch	•															
4-Volt/8ch RCA Line Level Output				•															
4-Channel RCA Line Level Output																			
2-Channel RCA Line Level Output																			
Built-in Amplifier Bypass Circuit (=AMP Canceller)				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Appearance																			
Stainless Steel Faceplate				•	•														
728 Variable Colour Buttons (12 presets and 3 users)				•	•														
Optimedia Display (Touch Panel Control)				•	•														
F1 V Display																			
VF Display	•	•	•																
Full Dot LCD				•	•														
Auto Dimmer				•	•														
Rotary Volume Control	•			•	•														
Screen Saver with User-Programmable Message Information				•	•														
Adjustable Display Contrast				•	•														
Spectrum Analyser				•	•														
Motorised Detachable Control Panel				•	•														
Flip Down Detachable Control Panel																			
Others																			
CD Text	•	•		•	•														
Infrared Remote Control				•	•														
Radio Presets	18FM/6AM	18FM/6AM	18FM/6AM	18FM/6AM	18FM/6AM	18FM/6AM	18FM/6AM	18FM/6AM	18FM/6AM	18FM/6AM	18FM/6AM	18FM/6AM	18FM/6AM	18FM/6AM	18FM/6AM	18FM/6AM	18FM/6AM	18FM/6AM	18FM/6AM
Detachable Control Panel with Blinking LED for Anti-Theft				•	•														
Detachable Control Panel																			
Partially Detachable Control Panel																			
Extension																			
CeNET Control of				•	•														
DVD Changer	•			•	•														
6-Disc CD Changer	•			•	•														
TV tuner				•	•														
AUX Input	4ch (2ch x 2)	•		•	•								•	Front AUX jack	2ch				

# HX SERIES ONLY THE CHOSEN PEOPLE ARE TOUCHED BY ORIGINAL SOUNDS.

High-definition sound fills the driver with a sense of superiority. There is a true feeling of joy and emotion when you are face to face with music. In the pursuit of sound that is infinitely near to the original sound and generously supplied with cutting-edge technology, the creation of the HX series has brought Clarion's exceptional sound to a new high peak. The ultimate sound field and space are produced from Clarion's cutting-edge technology oriented circuitry, along with individually selected parts and raw materials, all united perfectly with the amplifiers and speakers. For drivers who demand the "real thing", Clarion offers sound quality that goes one step beyond, for that truly special driving time.



## Clarion's HX-D2 main unit takes you into the recording studio

From the pursuit of faithful sound source playback to the body layout, the series flagship model HX-D2 is packed with all of the functions one could possibly want from a modern main unit. The 96 kHz Sampling D/A converter draws out the delicate nuances and reverberations from the sound, while the 5 Band Parametric EQ creates the sound balance that perfectly matches your tastes. Additionally, the Glass Epoxy 4-Layer Circuit Board and external power supply unit DC/DC converter provide stable circuit operation and high-quality sound. Clarion offers sound that reaches the next level to discerning car audio fans who appreciate the subtle differences in sound, and that are searching for the ultimate in car sound quality.

### HX-D2

CD RECEIVER/CeNET CONTROL



- Dual 24-bit / 96kHz sampling digital to analogue burr-brown converters and DSP
- Built-in 4-way crossovers
- 5-band parametric equaliser
- Digital time alignment for each line level output
- 8-channel/4-volt gold plate oxygen-free RCA output
- 0.5dB-step electronic volume adjustment circuit
- Copper plated chassis
- External DC/DC converter
- CeNET control of: 6-disc CD changer, and TV tuner
- 2 x 2-channel AUX inputs
- Zinc die-cast faceplate
- Fiber optic input/output
- Vacuum fluorescent display
- 18FM, 6AM station presets
- CeNET iPod interface compatible

## 96kHz Sampling D/A Converter

### Conventional CD players could only reproduce up to around 20kHz.

Sampling takes place to convert digital signals to analogue. In this process, digitised sound with a frequency range of up to about half the sampling frequency is reproduced. For example, in the case of CDs which are sampled at a frequency of 44.1kHz, playback is possible for up to half that, or 22.05 kHz. Sampling is set at 44.1kHz to achieve reproduction of highs in the neighborhood of 20kHz.

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

The format specifications for CD deemed the high frequency elements above 20kHz as inaudible by the human ear, and thus they were not recorded. And even if such high frequencies were reproduced during playback, they would be detected as noise elements and removed by a digital filter. Not only that, but phase distortion was introduced as a result of noise cut-off by the filter, thereby inhibiting the accurate reproduction of high frequency sounds. Ironically, it is the harmonic elements contained in this high frequency range that affects the depth and nuance of sound.

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

The 96kHz Sampling D/A converter samples at a much higher rate than the usual 44.1kHz to offer reproduction frequencies as high as 48kHz (half the sampling frequency of 96kHz), surpassing the format specifications for CD as the first such D/A Converter for car audio use. By broadening the sampling range, it becomes possible to reproduce the subtle nuances and depth contained in harmonic elements while reducing phase distortion in the high frequency range, delivering the full expressiveness and natural resonance that is inherently present in sound.

### Copper Plated Chassis prevents sound deterioration

Uses a copper plated chassis to minimize the generation of spurious electrical current which can adversely affect sections that have a bearing on the signal, as well as noise interception caused by electrical shielding effect. By incorporating a zinc diecast panel, with its large specific gravity, high rigidity and low resonance, sound quality deterioration due to vibration is reduced. And by externally positioning noise generating parts such as the power supply, VFD devices for the display and the drive mechanism, the sources of noise are eliminated.

### Burr Brown advanced segment type 24-bit D/A converter

After high sampling the data is processed by an advanced segment type Burr Brown 24-bit D/A Converter which offers superior dynamic characteristics and is resistant to clock jitter. Since the D/A Converter's internal structure is a 4DAC configuration which operates on L/R± differential, higher accuracy in D/A Conversion is afforded.

### Display OFF function

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

### Keeping great sound in and noise out: The HX-D2's DC/DC converter

Consisting of only the highest quality components – from the chassis to the wiring and fuses – the HX-D2's external power supply is the heart of this audiophile-grade main unit. With its six-sided shielded casing, this design thoroughly keeps out noise, even during high load bursts. And to prevent any vibration, Clarion wraps this high-quality power supply in an aluminum diecast casing, and a copper-plated chassis. Internally, the HX-D2's power supply utilises toroidal choke coils, which minimise car noise and power loss. The unit also utilises a large-capacity, low-impedance condenser, which allows this external component to supply pure power. Clarion takes this a step further by equipping the power supply with a gold-plated connection terminal, which minimises power loss.

### World's finest 0.7cm-step Digital Time Alignment

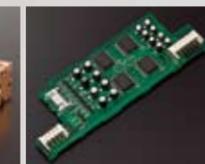
This function lets you set each speaker in a maximum 8-channel system to deliver the same acoustic effects with pinpoint accuracy, regardless of the listener's seat position (FRONT-L, FRONT-R, FRONT, REAR, and FULL SEAT position selectable). The Front L/R, Rear L/R, Centre speaker and Subwoofer work in harmony to create a seamless soundscape. It's possible to quickly and easily select the acoustic pattern of the system, or choose different settings according to the number of passengers or type of vehicle. (Adjustable range: 0 – 500cm, in 7mm steps)



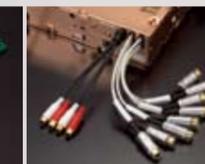
96kHz Sampling D/A Converter



Copper Plated Chassis Prevents Sound Deterioration

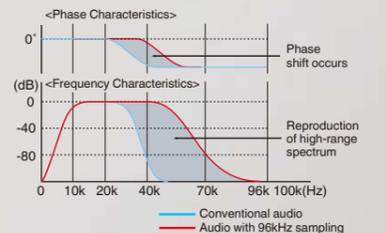


World's First 0.5dB Step Electronic Volume Circuit



Silver-Coated SK-6N (99.9999% Oxygen-Free) Copper RCA

### Conceptual Diagram of Frequency/Phase Characteristics



### Next-generation technology that spins the captivating crystallisation of sound



### HX-D1

CD RECEIVER/CeNET CONTROL



- Clarion high fidelity CD player without built-in amplifier • CeNET control of: 6-disc CD changer • Dual 24-bit D/A converter • HDCD disc playback
- High-capacity DC/DC converter (± 15 V) • 4-volt / 4-channel RCA output (Max 9 V) • High purity OFC cable • 2-channel AUX input • High visibility blue-white VF display • Copper plated chassis • Optical input terminal for connection with DCZ625 • Aluminium analogue rotary volume control • 18 FM, 6AM station presets • FM diversity

### In pursuit of the right materials and circuitry that can playback the full details of sound



### DRX9255EXL

CD RECEIVER/C-BUS CONTROL



- Clarion performance CD player without built in amplifier • C-BUS CD changer control • ALPHA processor\* • Dual 20-bit D/A 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, 6AM station presets • FM diversity

\*The ALPHA processor was developed by DENON Consumer Marketing Co., Ltd.



## Overwhelming power and the power of expression that dominates the sound space

The digital circuit that let you feel and hear every tone and reverberation that until now you weren't able to hear. Overwhelming performance of the power section provides the stable power source needed for you to hear the difference. 100 kHz super-high region playback creates infinitely clear sound that emphasizes musical features, such as subtle tones of vocals or instruments that are present in the original music, and responds to the dynamic changes in the music signal. 4 x 50 W high-end power amplifier gives you a real experience of the beauty of reverberation and the artist's expression of emotion. The APA4300HX is equipped with all of the components one would need from a power amplifier, and makes a perfect partner to the HX series centre units.

### APA4300HX

4/3/2-CHANNEL 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)
- Stable down to 1-ohm load (High current)
- 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
- 100 kHz extremely high frequency reproduction
- Dolby Digital/dts ready



## Advanced technology combined with new components to set the power of sound free

The high-quality sound diaphragm created from woven glass fibers reproduces all of the musical sources so faithfully that the music sounds just like the instrument being played by the musician. The crossover network achieves seamless connections by distributing the correct signals to the woofers and tweeters. In order to create a high-speed response capable of answering the huge amount of digital age information, the SRS1752HX has been generously equipped with a wide range of new technology. From the second you flick the switch on, the sound released from each of the speakers will lead you to an unprecedented new field of sound.

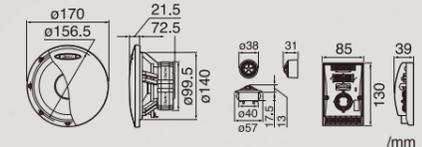


### SRS1752HX

16.5 CM [6 1/2"] 2WAY COMPONENT SYSTEM



- 16.5 cm (6-1/2") Glass fiber cone woofer with rubben surround
- Aluminum die-cast frame for high power handling and reduced distotion
- Powerful strontium magnet for dynamic bass response
- 2 cm (3/4") pure silk dome tweeter with dual-neodymium magnet
- 2-way mounting tweeter (variable angle flush mounting/surface mounting)
- Extremely high frequency reproduction /120 kHz
- Highgrade -12 dB/oct, 2 way crossover network with level attenuator(0,-3 dB)



## Heavy bass output gate that counters with menacing response

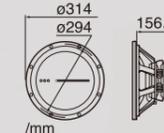


### SRM3093HX

30 CM [12"] SUBWOOFER



- 30cm titanium metallized MIPP cone woofer with rubber surround
- Double-stacked powerful strontium magnet
- Seamless parabolic cone structure for dynamic bass response
- Aluminium die-cast frame and cooling spacer for higher power handling



## The power to play back super-high-quality music media's 120 kHz sound range

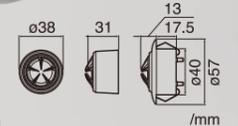


### SRH292HX

2 CM [3/4"] SUPER TWEETER



- Pure silk dome tweeter with dual neodymium magnet
- 2-way mounting tweeter (variable angle flush mounting/surface mounting)
- Extremely high frequency reproduction/120 kHz
- Includes -6 dB/oct. in-line network with level attenuator (0, -6 dB, -12 dB)



# Amplifiers/Subwoofers/Speakers

## Powered to perform, created to overwhelm

Your amplifier and speaker system is literally the interface between audio signals and your ears. So the quality of your components will have a direct impact on the quality of sound you hear. From crystalline highs to thundering lows, Clarion amplifiers and speakers deliver the sound of satisfaction.

2000

### Power amplifiers that deliver the punch

Whether you only listen to background music or operate a full-fledged mobile DVD theatre, the performance of the power amplifier will make a spectacular difference in the sound you hear. So regardless of the type of system you build, go ahead and fill your car with sound that is pure pleasure to the ear. Clarion gives you all you've ever wanted in an amplifier, and a lot more.



### Subwoofers that make the earth move

Crank up the power full blast, and count on these subwoofers to deliver. Clarion offers a selection of subwoofers including active subwoofers, to meet and surpass your demands for groundpounding bass, featuring tough and high-performance cone materials, die-cast frames and powerful voice coils that can really take the heat.



### Speakers that span the entire spectrum

Although bass gets a lot of attention, great sound does not consist of bass only. Clarion's lineup of high-performance speakers is your assurance that you and your audience will be listening to the highest quality audio, whether you're listening to a CD or your iPod® or watching a DVD. Enjoy the entire spectrum of sound, and experience complete in-car entertainment.



# Overwhelming performance for an unrivalled soundscape.

Upgrade your system with polished circuit designs and unwavering power to a level of power and sound excellence that leaves no one in doubt. Digital circuitry renders tones and reverberations that have been inaudible until now to their fullest. The overdimensioned power supply in Clarion amplifiers has sufficient reserves to deliver non-stop sound that's always a class above — even when playing the most demanding digital sources. And by using only the highest quality components in its power amplifiers, Clarion can create sophisticated designs that maximise heat dissipation and achieve exceptional power in the limited vehicle interior.



## APA4320 4 × 160W BRIDGEABLE POWER AMPLIFIER



- 4/3/2 channels bridgeable mode operation • 640 watts of maximum music power (4-channel × 160 watts into 4 ohms) • Continuous average power output: 320 watts (4-channel × 80 watts into 4 ohms) • Typical bridged power output: 2-channel × 230 watts @ 0.2% THD • Typical 2-ohm stereo power output: 4-channel × 115 watts @ 0.2% THD • Bass Extender: 0/+15 dB @ 45 Hz • Independent front/rear adjustable crossover frequencies (HP/LP): 55 ~ 550 Hz or 550 ~ 5,500 Hz • Adjustable line level input 200 mV up to 6 V • Speaker level inputs to allow easy interfacing with factory car stereos • Soft mute On/Off circuitry • Gold plated isolated massive speaker and power supply connectors

## APA2160

### 2 × 160W BRIDGEABLE POWER AMPLIFIER



- 2/1 channels bridgeable mode operation • 320 watts of maximum music power (2-channel × 160 watts into 4 ohms) • Continuous average power output: 160 watts (2-channel × 80 watts into 4 ohms) • Typical bridged power output: 1-channel × 250 watts @ 0.2% THD • Typical 2-ohm stereo power output: 2-channel × 125 watts @ 0.2% THD • Bass Extender: 0/+15 dB @ 45 Hz • Adjustable crossover frequency (HP/LP): 55 ~ 550 Hz or 550 ~ 5,500 Hz • Adjustable line level input 200 mV up to 6 V • Speaker level inputs to allow easy interfacing with factory car stereos • Soft mute On/Off circuitry • Gold plated isolated massive speaker and power supply connectors



### [APA4320 / APA2160]

#### Space-saving design with high heat dissipation

The APA4320 & APA2160 feature a die-cast design that boasts multiple heat sinks for high-heat dissipation. This eliminates the need for an internal fan. Also preventing overheating is the amplifier's circuit design that promotes heat dispersal. This heat dispersal effect offers during consecutive driving for high power in a minimal space.



#### Circuit design achieves high quality sound

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



#### Gapped-E core choke coils

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



## DPX11500

### 1500W MONO POWER AMPLIFIER



- 1500 watts of maximum music power • 1-channel × 800 watts into 4 ohms, 20Hz-20kHz @ < 0.05%THD • 1-channel × 1500 watts into 1 or 2 ohms, 20Hz-20kHz @ < 0.1%THD • Adjustable subsonic filter, 10-80Hz • Remote control included • Input voltage selector • Precise frequency selector • Variable bass boost: 0-15dB @ 30-125Hz • Adjustable -12dB/oct. Low pass crossover, 50-250Hz • Gold plated connectors; RCA/speaker/power • Speaker level input



## APX4240

### 400W 4/3/2 CHANNEL POWER AMPLIFIER



- 400 watts of maximum music power • 4-channel × 60 watts into 4 ohms, 20Hz-20kHz @ < 0.1%THD • 4-channel × 90 watts into 2 ohms, 20Hz-20kHz @ < 0.1%THD • Selectable bass boost; 0dB/6dB/12dB @ 50Hz • Independent front/rear adjustable -12dB/oct. High/Low pass crossover, 50Hz-300Hz • Gold plated connectors; RCA/speaker/power • Speaker level inputs



## APX2120

### 200W 2/1 CHANNEL POWER AMPLIFIER



- 200 watts of maximum music power • 2-channel × 60 watts into 4 ohms, 20Hz-20kHz @ < 0.1%THD • 2-channel × 90 watts into 2 ohms, 20Hz-20kHz @ < 0.1%THD • Selectable bass boost; 0dB/6dB/12dB @ 50Hz • Adjustable -12dB/oct. High/Low pass crossover, 50Hz-300Hz • Gold plated connectors; RCA/speaker/power • Speaker level input

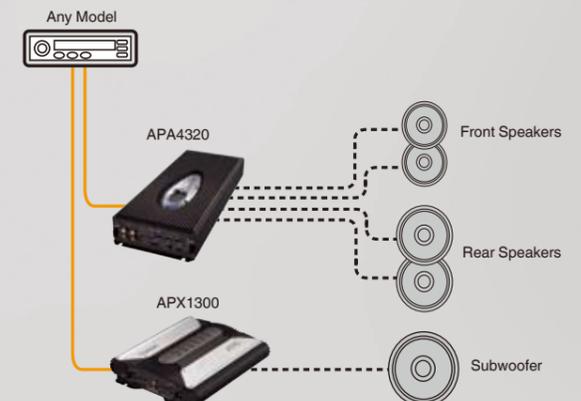


## APX1300

### 400W MONO POWER AMPLIFIER



- 400 watts of maximum music power • 1-channel × 300 watts into 4 ohms, 20Hz-20kHz @ < 0.1%THD • 1-channel × 400 watts into 2 ohms, 20Hz-20kHz @ < 0.1%THD • Selectable bass boost; 0dB/6dB/12dB @ 50Hz • Adjustable -12dB/oct. Low pass crossover, 50Hz-300Hz • Gold plated connectors; RCA/speaker/power • Speaker level input



# Dynamic performance to drive your bass line

Whether it's the Polypropylene Electrolytic Spun Aluminium coated dust cap design of our Platinum Series subwoofers, the Injected Polypropylene Titanium coated cones used in many of our single voice coil subwoofers, or the brute force generated by our powered subwoofers, you can count on Clarion's commitment to quality to come through even when you're listening at full-blast.

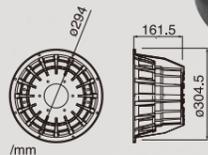


## PXW1252

30 CM [12"] SUBWOOFER



- 1000 watts of maximum music power • 500 watts RMS
- Dual 4-ohm heat resistant voice coils • Polypropylene electrolytic spun aluminum coated dust cap design • Kevlar/paper composite cone design • Co-polymer composite high excursion surround • Dual strontium ferrite magnet motor assembly • Hyper-extended vented pole piece • Dual gold plated block terminals • Linear poly-cotton spider with integrated tinsel leads • S.E.T. (Spider Exhaust Technology) cooling • Custom designed die cast aluminum • Hidden screw mounting gasket

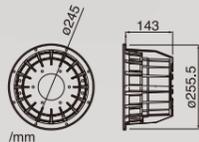


## PXW1552

38 CM [15"] SUBWOOFER



- 1500 watts of maximum music power • 750 watts RMS • Dual 4-ohm heat resistant voice coils • Polypropylene electrolytic spun aluminum coated Dust cap design • Kevlar/paper composite cone design • Co-polymer composite high excursion surround • Dual strontium ferrite magnet motor assembly • Hyper-extended vented pole piece • Dual gold plated block terminals • Linear poly-cotton spider with integrated tinsel leads • S.E.T. (Spider Exhaust Technology) cooling • Custom designed die cast aluminum • Hidden screw mounting gasket



## PXW1052

25 CM [10"] SUBWOOFER



- 1000 watts of maximum music power • 500 watts RMS • Dual 4-ohm heat resistant voice coils • Polypropylene electrolytic spun aluminum coated dust cap design • Kevlar/paper composite cone design • Co-polymer composite high excursion surround • Dual strontium ferrite magnet motor assembly • Hyper-extended vented pole piece • Dual gold plated block terminals • linear poly-cotton spider with integrated tinsel leads • S.E.T. (Spider Exhaust Technology) cooling • Custom designed die cast Aluminum • hidden screw mounting gasket



## PFW1051

25 CM THIN TYPE SUBWOOFER



- 600 watts of maximum music power • 300 watts RMS • Single 4-ohm heat resistant voice coils • Polypropylene electrolytic spun aluminum coated dust cap design • Kevlar/paper composite cone design • Co-polymer composite high excursion surround • Dual strontium ferrite magnet motor assembly • Hyper-extended vented pole piece • Dual gold plated block terminals • Linear poly-cotton spider with integrated tinsel leads • S.E.T. (Spider Exhaust Technology) cooling • Custom designed die cast aluminum • Hidden screw mounting gasket

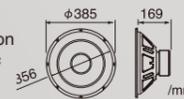


## PA15-S

38 CM [15"] SUBWOOFER



- Injected polypropylene titanium coated cone • Single 50 m/m heat resistant voice coil • Rear-vented pole piece • Foam rubber surround • Large 49 oz strontium ferrite magnet • Chromed metal basket • Suitable for sealed and vented installation • 600 watts maximum music power

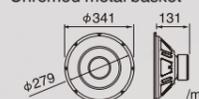


## PA12-S

30 CM [12"] SUBWOOFER



- Injected polypropylene titanium coated cone • Single 50 m/m heat resistant voice coil • Rear-vented pole piece • Foam rubber surround • Large 30 oz strontium ferrite magnet • Chromed metal basket • Suitable for sealed and vented installation • 600 watts maximum music power

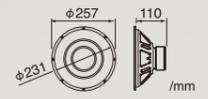


## PA10-S

25 CM [10"] SUBWOOFER



- Injected polypropylene titanium coated cone • Single 50 m/m heat resistant voice coil • Rear-vented pole piece • Foam rubber surround • Large 30 oz strontium ferrite magnet • Chromed metal basket • Suitable for sealed and vented installation • 600 watts maximum music power



## ACTIVE SUBWOOFER

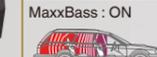


MaxxBass : OFF



Sound pressure

High Low



MaxxBass : ON



Stick wired remote control

## SRV313

SLIM DESIGN 17 CM [6 3/4"] ACTIVE SUBWOOFER



- Dual voice coil • 120 W high power amplifier with low pass filter • Maxx Bass circuit for virtual bass enhancer • 17cm(6 3/4") counter drive woofer with dual-neodymium magnet • Air compression structure with aluminum die-cast enclosure • Remote control for gain control /low pass filter (selectable 50/75/100/120 Hz)/phase select • Blue LED power indicator • RCA line level input/Speaker level input

\*Maxx Bass\* is a patent of KS-Wares. \*Maxx Bass\* is a registered of KS-Wares.

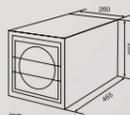


## SRV202

20 CM [8"] ACTIVE SUBWOOFER



- 120 W high power amplifier with low-pass filter • Dual voice coil woofer with strontinium magnet • Air compression structure for dynamic bass response • Subwoofer level control for gain control/low-pass filter (55 ~ 130 Hz)/phase select controls • Leather finished MDF enclosure • RCA line level input/speaker level input



	Reproduction system	Titanium metallised MPP cone woofer	Speaker size	Double-stacked powerful strontium magnet	Seamless parabolic cone structure for dynamic bass response	Aluminum die-cast frame and cooling spacer for higher power handling	4-ohm voice coil	Rear-vented pole piece	Rubber surround	Dual neodymium magnet	Wired remote control	Edgewise voice coil	Music peak power (W)
SRM3093HX	Subwoofer	●	30 cm	●	●	●	Single	●	●			●	1200
PXW1552	Subwoofer		38 cm	●	●	●	Dual	●	●				1500
PXW1252	Subwoofer		30 cm	●	●	●	Dual	●	●				1000
PXW1052	Subwoofer		25 cm	●	●	●	Dual	●	●				1000
PFW1051	Subwoofer		25 cm	●	●	●	Single	●	●				600
PA15-S	Subwoofer		38 cm				Single	●	●				600
PA12-S	Subwoofer		30 cm				Single	●	●				600
PA10-S	Subwoofer		25 cm				Single	●	●				600
SRV313	Active Powered Subwoofer		17 cm				Dual			●	●		120
SRV202	Active Powered Subwoofer		20 cm				Dual						120



Custom-fit coaxial 2-way  
Multiaxial 3-way speakers



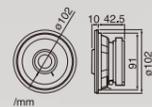
**SRC1773**  
16.5 CM (6 1/2") CUSTOM-FIT  
COAXIAL 2-WAY



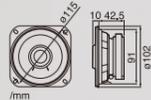
**SRC1373**  
13 CM (5 1/4") CUSTOM-FIT  
COAXIAL 2-WAY



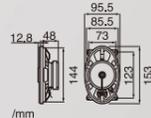
**SRC1073**  
10 CM (4") CUSTOM-FIT  
COAXIAL 2-WAY



**SRC1074**  
10 CM (4") CUSTOM-FIT  
COAXIAL 2-WAY



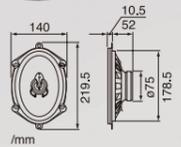
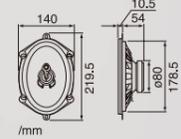
**SRC4673**  
10 x 15 CM (4" x 6") CUSTOM-FIT  
COAXIAL 2-WAY



**SRC4696**  
10 x 15 CM [4" x 6"] CUSTOM-FIT  
PLATE 2-WAY



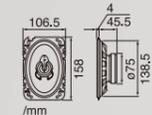
**SRC5736**  
13 x 18 CM [5" x 7"]  
CUSTOM-FIT MULTIAXIAL 3-WAY



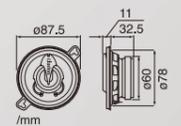
**SRC5716**  
13 x 18 CM [5" x 7"]  
CUSTOM-FIT COAXIAL 2-WAY



**SRC4617**  
10 x 15 CM [4" x 6"] CUSTOM-FIT  
COAXIAL 2-WAY



**SRC916**  
9 CM [3 1/2"] CUSTOM-FIT  
COAXIAL 2-WAY



Reproduction system  
Glass fibre cone woofer  
Pure silk chrome tweeter with dual neodymium magnet  
Powerful strontium magnet for dynamic bass response  
Designed for direct OEM replacement  
Sound tuning for European cars  
Super tear-resistant voice coil and polyimide bobbin  
Extremely high frequency reproduction  
Music peak power (W)  
Continuous power (W)  
Fs (Hz)  
Qts  
Vas (Litres)  
Frequency response (Hz)  
Efficiency (dB/W/m)

Reproduction system  
Glass fibre cone woofer with rubber surround  
Titanium metallized MIPP cone woofer  
MIPP cone woofer  
Pure silk chrome tweeter with neodymium magnet  
Metallized PEI balanced-drive tweeter  
Metallized PEI balanced-drive tweeter  
Rear-vented piezo dome tweeter  
Powdered strontium magnet for dynamic bass response  
Extremely high frequency reproduction  
Music peak power (W)  
Continuous power (W)  
Fs (Hz)  
Qts  
Vas (Litres)  
Frequency response (Hz)  
Efficiency (dB/W/m)

Model	Reproduction system	Woofer diameter (mm)	Tweeter diameter (mm)	Woofer material	Magnet	Design	Sound tuning	Coil/Bobbin	Frequency	Power (W)	Power (W)	Fs (Hz)	Qts	Vas (Litres)	Frequency (Hz)	Efficiency (dB/W/m)
SRC1773	Custom-fit coaxial 2-way	165 mm	20 mm	●	●	●	●	●	80kHz	200	45	60	0.76	10.9	28-80,000	91
SRC1373	Custom-fit coaxial 2-way	130 mm	20 mm	●	●	●	●	●	80kHz	160	35	85	1.14	3.1	40-80,000	91
SRC1073	Custom-fit coaxial 2-way	100 mm	20 mm	●	●	●	●	●	80kHz	120	30	105	0.93	1.4	40-80,000	90
SRC1074	Custom-fit coaxial 2-way	100 mm	20 mm	●	●	●	●	●	80kHz	120	30	105	1.93	1.4	40-80,000	90
SRC4673	Custom-fit coaxial 2-way	100 x 150 mm	20 mm	●	●	●	●	●	80kHz	120	30	80	1.14	3.0	40-80,000	91
SRC4696	2-way plate			●												
SRC5736	Custom-fit multi-axial 3-way				●											
SRC5716	Custom-fit coaxial 2-way				●											
SRC4617	Custom-fit coaxial 2-way				●											
SRC916	Custom-fit coaxial 2-way				●											

Phase-1 speakers

**SRR6946**  
15 x 23 CM [6"x 9"] MULTIAXIAL 4-WAY



**SRR2036**  
20 CM [8"] MULTIAXIAL 3-WAY



**SRR1736**  
16.5 CM [6 3/4"] MULTIAXIAL 3-WAY



**SRR1646**  
16 CM [6"x 1/2"] MULTIAXIAL 4-WAY



**SRR6916**  
15 x 23 CM [6"x 9"] MULTIAXIAL 3-WAY



**SRR1726**  
16.5 CM [6 3/4"] COAXIAL 2-WAY



**SRR1636**  
16 CM [6 1/2"] MULTIAXIAL 3-WAY



**SRR1616**  
16 CM [6 1/2"] COAXIAL 2-WAY



**SRR1028**  
10 CM [4"] COAXIAL 2-WAY



**SRR1336**  
13 CM [5 1/4"] MULTIAXIAL 3-WAY



**SRR1326**  
13 CM [5 1/4"] COAXIAL 2-WAY



**SRH206**  
2.5 CM [1"] BALANCED DRIVE TWEETER



4-/3-way component systems



**SCM400**  
4-WAY COMPONENT SPEAKER SYSTEM



**SCM300**  
3-WAY COMPONENT SPEAKER SYSTEM

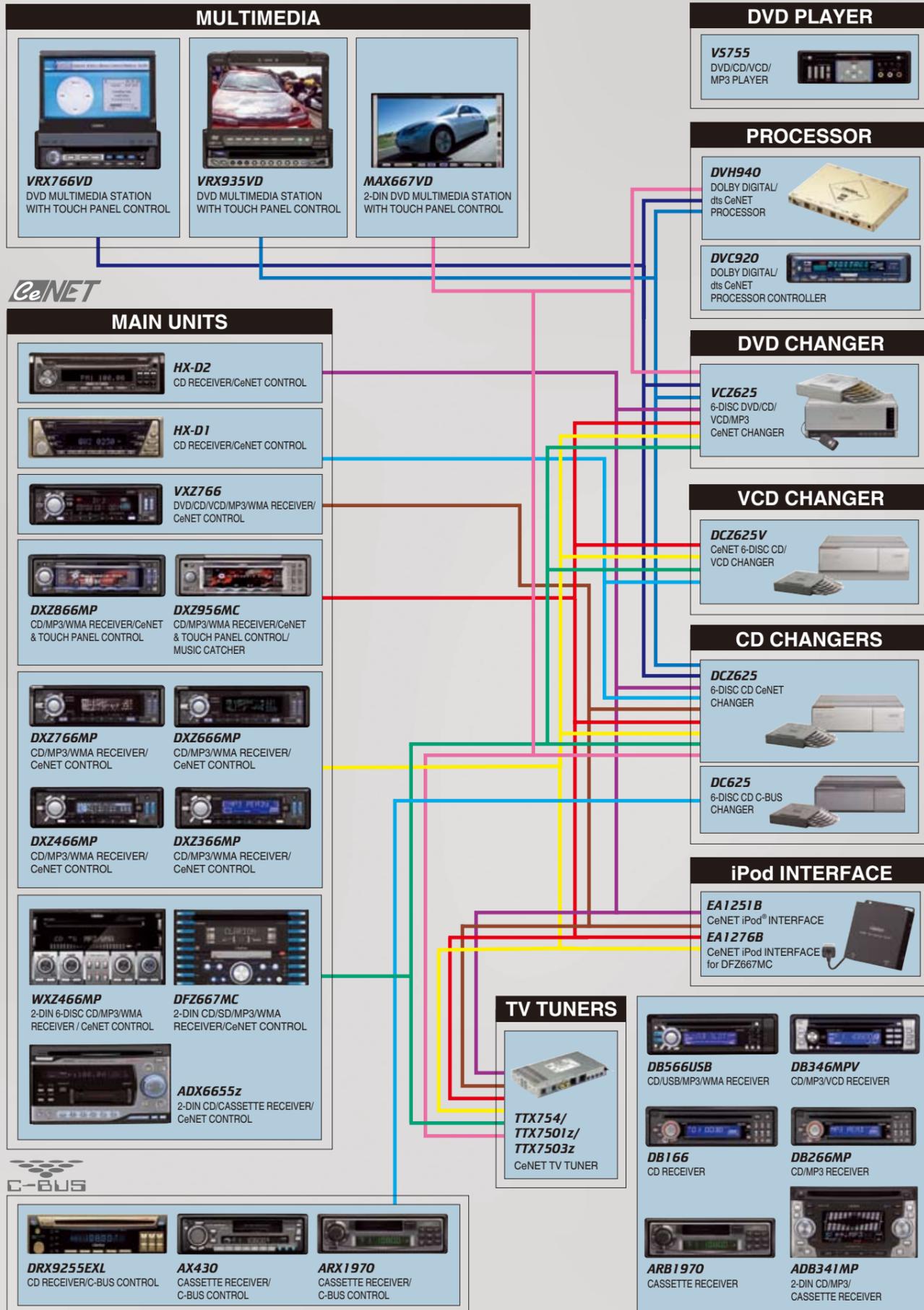


Reproduction system  
Titanium metallized T.M.M.I.P.P. core woofer  
M.I.P.P. core woofer  
Metallized PEI cone mid-range  
Metallized piezo dome tweeter  
Metallized PEI balanced drive mid-range  
Powerful strontium magnet for dynamic bass response  
Music peak power (W)  
Continuous power (W)  
Fs (Hz)  
Qts  
Vas (litres)  
Frequency response (Hz)  
Efficiency (db/1W)

Model	Configuration	Size (mm)	Reproduction system	Peak Power (W)	Continuous Power (W)	Fs (Hz)	Qts	Vas (litres)	Frequency response (Hz)	Efficiency (db/1W)
SRR6946	Multiaxial 4-way	150 x 230 mm	● ● ● ●	350	50	55	0.54	35.3	28-35,000	92
SRR1646	Multiaxial 4-way	160 mm	● ● ● ●	280	45	75	0.59	9.5	30-35,000	91
SRR2036	Multiaxial 3-way	200 mm	● ● ● ●	350	50	55	0.58	25.6	25-32,000	92
SRR6916	Multiaxial 3-way	150 x 230 mm	● ● ● ●	250	40	60	0.74	30.0	28-32,000	92
SRR1736	Multiaxial 3-way	165 mm	● ● ● ●	230	40	75	0.77	10.7	28-32,000	91
SRR1726	Coaxial 2-way	165 mm	● ● ● ●	200	40	75	0.77	10.7	28-30,000	91

Reproduction system  
Titanium metallized M.I.P.P. core woofer  
M.I.P.P. core woofer  
Metallized PEI balanced drive tweeter  
Metallized piezo dome tweeter  
2-way mounting tweeter  
Powerful strontium magnet for dynamic bass response  
Music peak power (W)  
Continuous power (W)  
Fs (Hz)  
Qts  
Vas (litres)  
Frequency response (Hz)  
Efficiency (db/1W)

Model	Configuration	Size (mm)	Reproduction system	Peak Power (W)	Continuous Power (W)	Fs (Hz)	Qts	Vas (litres)	Frequency response (Hz)	Efficiency (db/1W)
SRR1636	Multiaxial 3-way	160 mm	● ● ● ●	230	40	75	0.59	9.5	30-32,000	91
SRR1336	Multiaxial 3-way	130 mm	● ● ● ●	170	30	85	0.60	4.3	40-32,000	91
SRR1616	Coaxial 2-way	160 mm	● ● ● ●	180	25	75	0.48	11.8	30-30,000	91
SRR1326	Coaxial 2-way	130 mm	● ● ● ●	140	30	85	0.60	4.3	40-30,000	91
SRR1028	Coaxial 2-way	100 mm	● ● ● ●	120	30	120	0.70	1.5	45-30,000	90
SRH206	Centre speaker with 50 W amplifier	25mm	● ● ● ●	200	40				2,500-30,000	90



**iPod**



**EA1251B**  
CeNET iPod Interface



**CCA-670**  
iPod Connecting Cable  
• For VRX766VD and MAX667VD

**CABLES**



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



**CCA-519**  
CeNET Branch Cable: 1 m



**CCA-520**  
CeNET Extension Cable: 2.5 m

**OPTICAL CABLES**



**DCA-005**  
**DCA-008**



**DCA-006**

Model No	Terminal Shape		Length
	Out	In	
<b>DCA-005</b>	VRX766VD/ VRX935VD/ VCZ625	DVH940	5 m
<b>DCA-006</b>	DCZ625	DVH940	5 m
<b>DCA-007</b>	VRX766VD/ VRX935VD/ VCZ625	DPH910, DVS9755z	5 m
<b>DCA-008</b>	VRX766VD/ VRX935VD/ VCZ625	DVH940	1.5 m

**TV ANTENNAS**



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

**TV ANTENNAS**



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



**ZCP-104**  
4-Way Amplified Diversity Inside Window Film TV Antenna for TTX7501z/TTX7503z/TTX754



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



**EA-1060A**  
Antenna Booster



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

**REMOTE CONTROLS**



**RCB-147-600**  
Infrared joystick remote control



**RCB-177**  
Remote Control  
• For MAX667VD, VRX766VD, VXZ766



**RCB-176**  
Remote Control



**RCB-172**  
Remote Control



**RCB-164**  
Remote Control

**NOISE FILTERS**



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



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



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



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



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

## Specifications

### Radio CD Receivers

	HX-D2	HX-D1	DRX9255EXL	DXZ956MC	DXZ866MP	DXZ766MP	DXZ666MP	DB566USB	DXZ466MP	DXZ366MP
<b>TUNER SECTION</b>										
Frequency bands										
FM: (MHz) 0.05MHz steps	89.0 to 108	87 to 108	87 to 108	87 to 108	87 to 108	87 to 108	87 to 108	87.9 to 107.9	87.5 to 108	87.5 to 108
MW: (kHz) 9 kHz steps	531 to 1629	531 to 1602	531 to 1602	531 to 1602						
LW: (kHz) 3 kHz steps							153 to 279	153 to 279	153 to 279	153 to 279
FM usable sensitivity (dBf)	9	9	12	9	9	9	9	11	-	11
FM 50 dB quieting sensitivity (dBf)	15	15	18	15	15	15	15	17	-	17
FM alternate channel selectivity (dBf)	70	60	60	70	70	70	70	70	-	70
FM stereo separation @1 kHz (dB)	35	35	25	32	32	32	32	35	-	35
FM stereo freq. resp. @ ±3 dB (Hz)	30 to 15,000	-	30 to 15,000							
<b>CD SECTION</b>										
Wow/Flutter (WRMS)	Below measurable limits									
S/N ratio (dB)	112	110	110	100	100	100	100	100	100	100
Frequency response (Hz)	5 to 20,000	5 to 20,000 Hz	5 to 20,000 Hz	10 to 20,000 Hz	10 to 20,000 Hz	10 to 20,000				
Dynamic range (dB)	100	100	100	96	96	95	95	93	93	95
Harmonic distortion (%)	0.003	0.005	0.005	0.006	0.01	0.01	0.01	0.03	0.03	0.01
<b>AUDIO SECTION</b>										
Power output (DIN45324, +B = 14.4 V)				4 × 31 W	4 × 31 W	4 × 27 W	4 × 25 W			
<b>GENERAL</b>										
Dimensions (W × H × D), mm	178 × 50 × 178	178 × 50 × 182	178 × 50 × 168	178 × 50 × 160	178 × 50 × 160	178 × 50 × 158	178 × 50 × 158	178 × 50 × 155	178 × 50 × 155	178 × 50 × 155
Remote control (W × H × D), mm	52 × 125 × 12			44 × 113 × 13	44 × 113 × 13	44 × 113 × 13	44 × 113 × 13	44 × 113 × 13	44 × 113 × 13	44 × 113 × 13
Weight (kg)	1.7	1.6	1.8	1.7	1.7	1.6	1.3	1.3	1.3	1.2
Power consumption: less than	1.4 A	1.1 A	1.1 A	15 A	15 A	15 A	15 A	15 A	15 A	15 A
Speaker impedance	4Ω (4Ω to 8Ω allowable)	4Ω								

### Radio CD/ Tape Receivers

	DB266MP	DB166	WXZ466MP	DFZ667MC	ADB341MP	ADX6255z
<b>TUNER SECTION</b>						
Frequency bands						
FM: (MHz) 0.05MHz steps	87 to 108	87 to 108	87.5 to 108	87 to 108	87.5 to 108	87.5 to 108
MW: (kHz) 9 kHz steps	531 to 1629	522 to 1629	531 to 1629	531 to 1629	531 to 1629	531 to 1629
LW: (kHz) 3 kHz steps	153 to 279	153 to 279	153 to 279			
FM usable sensitivity (dBf)	11	11	9	9		
FM 50 dB quieting sensitivity (dBf)	17	17	15	15		
FM alternate channel selectivity (dBf)	70	70	70	70		
FM stereo separation @1 kHz (dB)	35	35	35	32		
FM stereo freq. resp. @ ±3 dB (Hz)	30 to 15,000	30 to 15,000	30 to 15,000	30 to 15,000		
<b>CD SECTION</b>						
Wow/Flutter (WRMS)	Below measurable limits					
S/N ratio (dB)	100	100	90	100	100	100
Frequency response (Hz)	10 to 20,000	10 to 20,000	10 to 20,000	5 to 20,000	10 to 20,000	10 to 20,000
Dynamic range (dB)	93	93	90	95	95	95
Harmonic distortion (%)	0.03	0.03	0.01	0.01	0.01	0.01
<b>TAPE SECTION</b>						
Wow/Flutter (WRMS)					0.06 %	0.06 %
S/N ratio						
Metal Tape, Without NR (dB)					58	58
Metal Tape, with Dolby B NR (dB)					67	67
Frequency response						
Standard tape (Hz)						
Metal tape (Hz)					30 to 20,000	30 to 20,000
<b>AUDIO SECTION</b>						
Power output (+B = 14.4 V)	4 × 20 W	4 × 20 W	4 × 27 W	4 × 50 W	4 × 50 W	4 × 45 W
<b>GENERAL</b>						
Dimensions (W × H × D), mm	178 × 50 × 155	178 × 50 × 155	178 × 100 × 160	178 × 100 × 156.5	178 × 100 × 156.5	178 × 100 × 155
Remote control (W × H × D), mm	44 × 113 × 13	-	44 × 113 × 13	44 × 113 × 13		
Weight (kg)	1.2	1.2	2.2	2.2	2.1	2.5
Power consumption: less than	15 A	15A	15 A	15 A	15 A	
Speaker impedance	4Ω (4Ω to 8Ω allowable)					

### TV

	TB851P/853W	TB741P/742P/743P
Screen size (W × H), mm	8-inch	7-inch wide
Drive principle	TFT (Thin Transistor) active matrix display	TFT active matrix
Number of pixels	336,960 (234 × 1440)	336,960
VRC video input	1.0 ± 0.2 Vp-p (input impedance 75Ω)	
Dimensions (W × H × D), mm	178 × 50 × 188	178 × 50 × 160
Weight (kg)	2.2	1.8
Power Consumption	2.0 A	3.0 A
Power Requirement	14.4 V DC (10.8 ~ 15.6 V)	14 V DC

### Radio Cassette Receivers

	ARX1970	AX430	ARB1970
<b>TUNER SECTION</b>			
Frequency bands			
FM: (MHz) 0.05MHz steps	87 to 108	87 to 108	87 to 108
MW: (kHz) 9kHz steps	531 to 1629	531 to 1629	531 to 1629
<b>TAPE SECTION</b>			
Wow/Flutter (%)	0.1 %	0.08 %	0.1 %
S/N Ratio			
Metal tape, Without NR (dB)	53	58	53
Frequency response			
Metal tape (Hz)	30 to 15,000	30 to 20,000	30 to 15,000
<b>AUDIO SECTION</b>			
Power output (DIN45324, + B = 14.4 V)	4 × 50 W	4 × 50 W	4 × 50 W
<b>GENERAL</b>			
Dimensions (W × H × D), mm	178 × 50 × 153	178 × 50 × 155	178 × 50 × 155
Weight (Kg)	1.3	1.5	1.1
Power consumption: less than			
Speaker impedance			

### MP3/WMA Feature

			WMA	MP3
FILE SYSTEM	ISO9660	LEVEL1	●	●
		LEVEL2	●	●
		LEVEL3	(#1)	(#1)
	EXTENSION	JOLIET	●	●
		ROMEO	●	●
OTHERS	PLAY FILE NAME	64-byte	128-byte	
FILE DESCRIPTOR	.mp3 / .MP3		●	
	.mp3 / .Mp3		●	
	.wma	●		
	.mp		●	
MPEG FORMAT	MPEG1		●	
	MPEG2		●	
	MPEG2.5		●	
SAMPLING FREQUENCY	MPEG1			
	MPEG2			
	MPEG2.5			
BIT RATE	WMA	Fs=22.05 - 44.1kHz		
	MPEG1			
	MPEG2			
	MPEG2.5			
OTHERS	WMA	48,64,80,96,128,160,192kbps		
	DIRECTORY DEPTH	MAX 8	MAX 8	
	FILE NAME NUMBER	64-byte	128-byte	
	TOTAL FILE NUMBER	512	512	
	TOTAL FOLDER NUMBER	255	255	
	ID3 TAG	ver.1.x		(#2)
		ver.2.x		(#3)
		TITLE		●
	WMA-TAG	ARTIST		●
		ALBUM		●
TITLE		●		
VBR	ARTIST	●		
	ALBUM #	(#4)		



(#1) Items finalized by ISO9660 can be played back. However, they require verification with Applix Packetman, Adaptec DirectCD, or BZCLIP software.

(#2) 30 characters.

(#3) The number of letters in one sentence is ver 1.1 level. Anything over this will be cut. Ver2 supports 60 bytes worth of characters. Unicode recordings support 30 characters.

(#4) WMA-TAG recorded by Winamp2 are supported.

### Multimedia Stations

	VRX766VD	MAX667VD	VRX935VD
<b>MONITOR SECTION</b>			
Screen size (W × H), mm	154.0 × 87.0 (7-inch)	156.2 × 82.3 (7-inch)	154.0 × 87.0 (7-inch)
Display type	Transparent-type TN liquid crystal display	Transparent-type TN liquid crystal display	Transparent-type TN liquid crystal display
Drive principle	TFT (Thin Transistor) active matrix display	TFT (Thin Transistor) active matrix display	TFT (Thin Transistor) active matrix display
Number of pixels	336,960	336,960	336,960
VRC 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)
VRC Audio input	130 ± 60 mVrms (input impedance 10 kΩ or more)	130 ± 60 mVrms (input impedance 10 kΩ or more)	130 ± 60 mVrms (input impedance 10 kΩ or more)
<b>TUNER SECTION</b>			
Frequency bands			
FM: (MHz) 0.05 MHz steps	87 to 108	87 to 108	
AM: (kHz) 9 kHz steps	531 to 1629	531 to 1629	531 to 1629
FM usable sensitivity (dBf)	9	9	9
FM 50 dB quieting sensitivity (dBf)	15	15	15
FM Alternate channel selectivity (dBf)	70	70	70
FM stereo separation @ 1 kHz (dB)	32	32	35
FM Stereo freq. resp. @ ± 3 dB (Hz)	30 to 15,000	30 to 15,000	30 to 15,000
<b>DVD SECTION</b>			
Usable discs	DVD video disc	DVD video disc	DVD video disc
Frequency response (Hz)	20 to 20,000 (48 kHz) (+1 dB/-1 dB)	20 to 20,000 (48 kHz) (+1 dB/-1 dB)	20 to 22,000 (48 kHz) (+1 dB/-1 dB)
Distortion	0.01	0.006	0.01
<b>CD SECTION</b>			
Wow/Flutter (WRMS)	Below measurable limits	Below measurable limits	Below measurable limits
S/N ratio (dB) 1 kHz	100	100	
Frequency response (Hz)	20 to 20,000 (+1 dB/-1 dB)	20 to 20,000 (+1 dB/-1 dB)	20 to 20,000 (+1 dB/-1 dB)
Dynamic range (dB) 1 kHz	100	100	
Harmonic distortion (%)	0.006	0.006	0.01
<b>AUDIO SECTION</b>			
Maximum power output	4 × 50 W	4 × 50 W	
<b>GENERAL</b>			
Dimensions (W × H × D), mm	178 × 50 × 165	178 × 100 × 160	178 × 50 × 165
Hide-away unit (W × H × D), mm	178 × 37.5 × 209	-	178 × 37.5 × 209
Weight (kg)	2.3	2.6	2.3
Power consumption	4.0 A (at 1 W)	4.0 A (at 1 W)	4.0 A (at 1 W)
Power requirement	14.4 V DC (10.8 ~ 15.6 V)	14.4 V DC (10.8 ~ 15.6 V)	14.4 V DC (10.8 ~ 15.6 V)
Speaker impedance	4Ω (4Ω to 8Ω allowable)	4Ω (4Ω to 8Ω allowable)	4Ω (4Ω to 8Ω allowable)

### 5.1-channel processor

	DVH940
Signal to noise ratio	95dB
Distortion	0.01%
Separation	80dB
Input sensitivity	0.6V, 1.2V, 2V
Subwoofer cutoff frequency	50Hz, 80Hz, 120Hz
Subwoofer level control	SP-GAIN +/- 10dB
Output voltage	4V
Input impedance	47K ohm
Output impedance	300 ohm
Parametric EQ bands	Bands × 3 (Front/Centre/Rear)
Q	1-20 (5 points)
EQ centre frequency range	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
Parametric EQ Boost/Cut	12dB +/-
Time correction range	0-5ms (Centre) 0-5ms (Rear)
Frequency response	20Hz-44kHz

#### Notes

- Specifications and design are subject to change without notice.
- Photos are non-binding. The manufacturer and importer do not take responsibility for any printing errors.
- Dolby, Dolby Surround, Pro Logic and the double-D symbol are trademarks of Dolby Laboratories.
- dts is a trademark of Digital Theater Systems, Inc.
- All other trademarks are the property of their respective owners.
- All units in this catalogue are primarily intended for installation in passenger cars.
- Use in lorries, tractors, off-road vehicles, construction machinery, boats, and other special-purpose vehicles or on motorcycles is not recommended.
- There is no guarantee that all units in this catalogue can play CCCD (Copy Control CD), Hybrid SACD (Super Audio CD), CD-R/RW and DVD ±R/RW
- LCD panels use the latest high-tech components and boast an effective pixel rate of 99.99%. However, be aware that 0.01% or less of the pixels may be defective.

# FEATURE ICONS

## Multimedia/Main Unit



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



**24-bit D/A converter**  
This sophisticated Digital-to-Analogue converter converts the 16-bit digital data on compact discs to a full 24-bit format for the utmost in resolution and clarity. It combines the qualities of the 1-bit D/A converter with wider dynamics and extremely low noise opening up a whole new world of three-dimensional sound rich in musical nuances and instrumental harmonics.



**5.1-channel Dolby Digital / dts surround**  
With the arrival of DVD, 5.1-channel surround sound, which is already a must for home theatre systems, is rapidly becoming the entertainment format of choice in motor vehicles. Dolby Digital and dts provide three channels of front sound (left, right, centre) together with two rear audio channels (left, right) and a dedicated low-frequency channel for a subwoofer. This combination, as satisfied home theatre enthusiasts well know, is able to reproduce the dynamic sound field of a cinema in a relatively small space. So take the show on the road; let Clarion bring full 5.1-channel performance into your car.



**5.1-channel surround system**  
Built-in 5.1-channel surround system: Dolby Pro Logic / Dolby Digital AC3 / dts decoder.



**6-disc CD changer**  
The built-in 6-disc CD changer lets you enjoy your favourite music for long periods of time without the need for switching CDs. So now on long drives, you can listen to your favourite music albums to your heart's content.



**Optimedia display**  
Advanced human-machine interface that fuses high quality graphics and interactive touch-screen operation in an eye-catching design.



**AC Processor IV**  
DSP newly developed by Clarion's acoustic technology know-how. In order to optimise the sound quality and field balance, it incorporates various functions such as ADF, VSE, Dolby Pro Logic II, 3-way Digital Crossover, Parametric EQ and Time Alignment, being processed by a single chip.



**Amplifier canceller**  
When you use an external amplifier, the power supply to built-in amplifier can be switched off in order to avoid spurious radiation signal being mixed and ensures the output of fine quality.



**Anti Distortion filter**  
Eliminates phase distortion in high and low frequencies and emphasizes the natural frequency characteristics of the sound, for natural flat response and clear details.



**Audio output**  
RCA output terminals for connecting with external amplifiers. With external amplifiers, you can build up a system with more powerful output and higher sound quality. Especially 4V output can drive amplifiers powerfully and helps to get pure sound.



**Auto dimmer**  
It is linked to headlight switch and protects from glare during the night time by adjusting brightness of the front-face illumination. Some high-end models come with built-in sensor so that the brightness is automatically adjusted in accordance with darkness of vehicle interior.



**AUX input**  
External sound input in RCA format. It can be connected with equipments such as a video game or portable player and enables sound output allows control of from your car audio system.



**CD**  
This symbol shows compatibility with compact discs.



**CD text**  
When a CD text compatible CD is played, text information such as artist name or music title is shown on the display.



**CeNET**  
Original bus system developed by Clarion, which enables high-speed data transfer and high quality sound transmission. Your system can be upgraded with optional devices such as CD changer, TV tuner, DAB tuner, DSP, iPod interface and so on.



**Digital optical output / input**  
Building of a 5.1-channel surround system that draws a definite sound figure in the car inside and to give should be made possible.



**Digital Z-Enhancer**  
3 equalising patterns can be selected from the DSP to boost either the bass or the treble separately, or both together. Also, 3 additional gain adjustment patterns provide a total of 9 equalising patterns that you can change to suit your favourite music.



**Dolby Pro Logic**  
It is a name of the decoder for separating and restoring 2-channel stereo signal recorded in the Dolby surround format to the 4 original channel signals.



**Dolby Pro Logic II**  
One of the latest sound technologies brought by Dolby Laboratory, which enables to create virtual 5.1-channel sound from conventional 2-channel source. Thanks to the newly developed algorithm, the system simulates full surround sound so that you can make full use of your 5.1-channel system anytime. It features phantom mode for a system without centre speaker.



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

## Subwoofer/Speaker



**Air compression**  
The exhaust back pressure is once compressed in the cabinet for boosting bass sound.



**Aluminum-coated Polypropylene cone**  
High-rigidity, lightweight polypropylene is used for a cone material.



**Bass extender**  
It is a heavy low-pitched sound reinforcement circuit whose frequency compensation according to a system is attained.



**Counter drive**  
By the ingenuity of mount design, large calibre 17 cm woofer fits inside a slim and compact body.



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



**Dual 4-ohm voice coil**  
Dual voice coils deliver perfect playback of large-amplitude bass. These coils also provide high sensitivity and excellent performance for large input sounds.



**Neodymium magnet**  
Neodymium magnet has a feature of high magnetic energy, which helps to minimise magnetic distortion when it is used for speaker driver.



**Full OFC wire**  
99.995% pure oxygen free copper is used for wiring in order to secure pure sound.



**Glass fibre cone**  
Glass fibre is adopted as a cone material, which enables quick response on sound reproduction.



**HX series**  
HX series comes from Clarion's perpetual quest for the perfection. Their highly qualified sound will elevate you to the new height of sound emotion.



**In-line network**  
Separate network is not required for the installation.



**In-phase coaxial**  
These speakers have been uniquely designed to accommodate a tweeter and woofer on the same axis, which as a result conveys, crisp treble and vibrant bass to the listener's ears simultaneously.



**Flip down console**  
Clarion has designed the CD insertion slot to sit behind the front panel in order to leave sufficient space for a large, easy-to-read display. Depending on the model, the front panel slides down at the press of a button or can be released and folded down mechanically.



**Front AUX input**  
What could be easier? The front jack lets users easily connect line outputs from portable audio players or other devices into their Clarion systems for high-quality sound.



**Low-pass and high-pass filters**  
A filter that passes signals below a crossover frequency (LPF) or above a crossover frequency (HPF). It works to optimise the signal for high or low frequency reproduction when subwoofer or tweeter is connected to the system.



**LPO (Listening Position Optimiser)**  
The WXZ466MP's Listening Position Optimiser uses digital processing to virtually adjust the speaker distance, enabling sound stage settings to accommodate a wide variety of different types of vehicles. So no matter what type of car you drive, you can count on Clarion to drive your sound with high precision and realistic presence.



**Magna bass EX**  
This bass enhancer is designed to boost ultra low frequency around 60 Hz while conventional loudness works for 100 Hz. The effect is controlled according to the volume level.



**Message information**  
The user can program own message up to 30 characters that will be shown on the display when the unit is turned on and off.



**MOS-FET**  
MOS-FET (Metal Oxide Semiconductor Field Effect Transistor), well known as superior electronic transistor for audio system, is used in the final stage of amplifier. Since MOS-FET is a highly efficient element with a linear operation curve, it dramatically improves S/N of the high frequency range, which is especially susceptible to noise. This results in smooth and rich expressive capabilities, and sound reproduction infinitely close to the original source.



**Music catcher**  
On board memory chip can capture your favourite music when you play CD. Once the music is copied to the memory, you just need to press a button to play it.



**Parametric EQ**  
Equalising frequency is variable so that you can customise the sound character more precisely according to your speaker system.



**SD memory card slot**  
This enables users to play MP3/WMA files from their SD memory cards through the system.



**Slope console**  
The face panel of the slope console slides down gracefully to reveal the CD loading slot. The smooth operation of the console presents a serenely elegant driving scene.



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



**Touch panel control**  
Based on pure HMI, provides an intuitive and easy-to-use alternative to conventional buttons and knobs. Convenient one-touch menus make easy to operate complex multimedia functions, as well as control of all your system components. Call up programs, select stations, input titles or control audio and video output — all with just the touch of a finger.



**USB memory slot**  
Equipped with a USB port to offer playback of WMA/MP3 files stored on a connected USB memory card or USB-compatible player.



**VCD**  
This symbol shows compatibility with VCD.



**Variable colour display**  
This LCD display lets you mix RGB (Red/Green/Blue) level to create the background colour. The control buttons on the faceplate automatically change colours to match the display.



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



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



**Z-Enhancer Plus**  
Same functions as standard Z-Enhancer, but in addition, all units with "Z-Enhancer Plus" are designed for 2-band parametric equalisation.

## Subwoofer/Speaker



**Air compression**  
The exhaust back pressure is once compressed in the cabinet for boosting bass sound.



**Aluminum-coated Polypropylene cone**  
High-rigidity, lightweight polypropylene is used for a cone material.



**Bass extender**  
It is a heavy low-pitched sound reinforcement circuit whose frequency compensation according to a system is attained.



**Counter drive**  
By the ingenuity of mount design, large calibre 17 cm woofer fits inside a slim and compact body.



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



**Dual 4-ohm voice coil**  
Dual voice coils deliver perfect playback of large-amplitude bass. These coils also provide high sensitivity and excellent performance for large input sounds.



**Neodymium magnet**  
Neodymium magnet has a feature of high magnetic energy, which helps to minimise magnetic distortion when it is used for speaker driver.



**Full OFC wire**  
99.995% pure oxygen free copper is used for wiring in order to secure pure sound.



**Glass fibre cone**  
Glass fibre is adopted as a cone material, which enables quick response on sound reproduction.



**HX series**  
HX series comes from Clarion's perpetual quest for the perfection. Their highly qualified sound will elevate you to the new height of sound emotion.



**In-line network**  
Separate network is not required for the installation.



**In-phase coaxial**  
These speakers have been uniquely designed to accommodate a tweeter and woofer on the same axis, which as a result conveys, crisp treble and vibrant bass to the listener's ears simultaneously.



**Metallised MIPP cone**  
Metallised MIPP cone provides superior rigidity while maintaining lightweight for high dynamic response.



**Mica polypropylene mixed injection cone**  
Polypropylene with mica particles blended in is used for injection-molded diaphragms to attain superior response.



**PEI balanced drive**  
Integrated PEI diaphragm and voice coil bobbin, which reduces the mass and gives the optimum induction conditions in the magnetic gap. It results a dramatic improvement in dynamic range.



**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.



**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.



**Rubber surrounds**  
The rolled edge of the diaphragm provides superior response, while its butyl material is highly durable and moisture resistant.



**Silk-cloth soft dome tweeter**  
Clarion's high-end tweeters use silk, strengthened by the lamination layer, provides natural, finely detailed sound.



**TM MIPP (Titanium Metallised MIPP) Cone**  
MIPP (Mica Injected Polypropylene) cones with blended titanium offer superior lightness and rigidity excellent response even to the fast transients of digital sources.



**Variable angle tweeter**  
The angle of tweeter is adjustable according to the position of installation.



**Wide-range 80 kHz / 120 kHz silk dome tweeter**  
Uses soft silk dome diaphragms and high-power magnets to achieve rich expressiveness. Offers up to 80 kHz or 120 kHz maximum reproduction for crystalline highs.



**Wired remote control**  
Stick-type remote for control of powered subwoofer from the driver's seat, and when set on the dashboard, puts control of low-pass filter, gain control and phase switching comfortably within reach.



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