

# CLARION

## Car Multimedia & Audio

Evolving technology  
with unchanging pride.

be heard  
be seen

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

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

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



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

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

speakers that maximise the results of their performance. In order to bring out the value of various types of entertainment, and to flexibly accommodate the latest developments

in digital media, Clarion provides an unprecedented experience, and it's waiting for you.

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

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

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

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

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

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

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

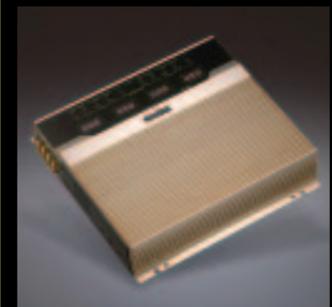
Accurately reproduces even the delicate musical expressions that are embodied within each bit on a high quality audio disc without distortion. And releases the natural appeal of sound throughout every inch of your car's interior. Clarion offers not only main units, but also next-generation designed power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

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



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

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



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

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



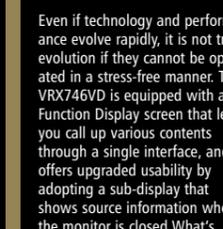
offers a next-generation solution for comprehensive car entertainment.

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



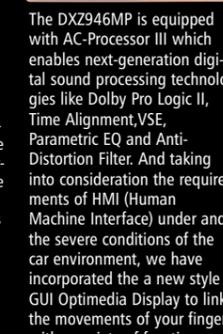
way speakers and dispersed throughout your vehicle. From high-quality car audio environments to car multimedia environments, system upgrades will let you put an unforgettable experience in your car.

**VRX746VD**



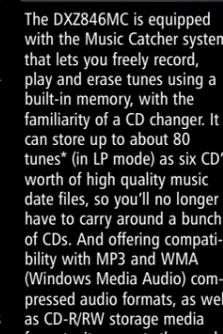
Even if technology and performance evolve rapidly, it is not true evolution if they cannot be operated in a stress-free manner. The VRX746VD is equipped with a Function Display screen that lets you call up various contents through a single interface, and offers upgraded usability by adopting a sub-display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

**DXZ946MP**

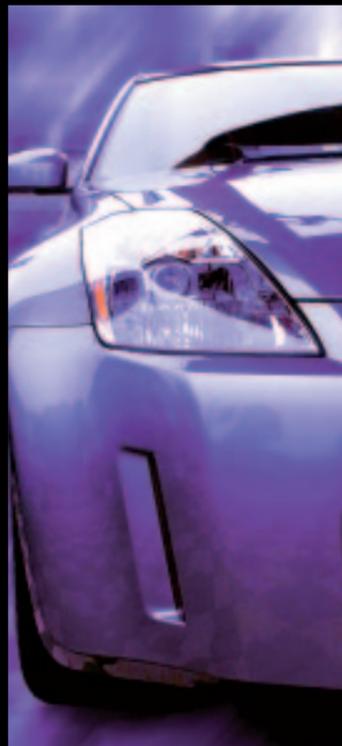


The DXZ946MP is equipped with AC-Processor III which enables next-generation digital sound processing technologies like Dolby Pro Logic II, Time Alignment, VSE, Parametric EQ and Anti-Distortion Filter. And taking into consideration the requirements of HMI (Human Machine Interface) under and the severe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

**DXZ846MC**



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



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

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



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