

clarion



clarion



Imagination Becomes Realization

Ideas and thoughts are made truly meaningful
when they are given shape and form.

At Clarion, we specialize in visualizing the most innovative,
human-friendly concepts for in-vehicle entertainment, and
turn them into tangible solutions that will seamlessly transform your driving expe-
rience. Interfacing humans with music and
media in a mobile environment — with Clarion H.M.I.,
you are the ultimate destination.





Jamiroquai



Jay Kay (Jamiroquai)

"Jay Kay", vocalist for the world-famous jazz funk band Jamiroquai.



ITALDESIGN-GIUGIARO
"QUARANTA", the Clarion H.M.I. concept car
created by Italian designer GIUGIARO, one of
the world's top industrial design firms.

See Your Entertainment Grow, Seamlessly.

The Clarion H.M.I. concept is the driving force behind our relentless pursuit of the ultimate human-machine interface. The goal is to bring music and information to people in mobile environments for seamless enjoyment of high-quality entertainment. With Clarion, your car is transformed into the ultimate personal theater or a front-row concert seat with broad compatibility that tears down the barriers to the outside world.



Exciting Operation

Clarion H.M.I. makes operation more exciting and interactive. Touch panel keys provide an intuitive way of accessing a multitude of functions, with state-of-the-art looks while minimizing the surface area necessary for buttons. Count on two-way operation of your connected iPod – controllable using the source unit's or iPod's control wheel. Touch it, and let the excitement begin.



Advanced Technology

Cutting-edge audio technologies like BBE® MP to improve compressed digital audio sound and Beat EQ's 3-band parametric equalizer are present throughout most of the lineup. Support of DivX® and WMDRM10 files broaden the scope of your entertainment. Add advanced graphics technologies for stress-free viewing. Technology, geared to your satisfaction.

Comprehensive Connectivity

iPod connectivity with full control including ABC Search, complete with iPod Audio and Video support. Bluetooth® for safe hands-free calling and audio streaming. USB and AUX connections to access music on portable devices. Together these create an in-car environment where you're assured of seamless enjoyment of the music you love.



GUARANTA



MULTIMEDIA

Master The Road, Maximize Your Pleasure.

Getting you there is only part of the story. Clarion's multimedia lineup includes flexible car navigation solutions complemented with a wide array of audio visual capabilities, so the road to your destination will be both efficient and entertaining. Come and experience a higher level of digitally-driven satisfaction.

Audio

Superb Sound

Visual

Exceptional Entertainment

Navigation

Quality Navigation

MULTIMEDIA

More Choices to Match Your Style

From dedicated car navigation and AV/navigation units, to entertainment-oriented multimedia stations, Clarion offers a diverse lineup to meet the unique needs of your automotive lifestyle.

	NX509	NX409	NZ409	VZ709	VX709	VZ509	VX409	VZ409	VZ309	EZD580
Navigation	Built-in	Built-in	Built-in	NAX980HD or NP509	NAX980HD or NP509	NP509	▲ *	▲ *	—	Built-in
iPod	●	●	●	●	●	●	CCUIPOD1	CCUIPOD1	CCUIPOD1	—
iPod Video	CCA723	CCA723	CCA723	CCA723	CCA723	CCA723	—	—	—	—
USB	●	●	●	●	●	●	—	—	● Front	—
Bluetooth	BLT370	BLT370	BLT370	Built-in	Built-in	BLT370	BLT370	BLT370	—	Built-in
AUX	●	●	●	●	●	●	●	●	●	—

* Can be displayed NP509 navigation screen, SA509 is required for installation

Design

Simplified and sophisticated, Clarion's new design features a minimal number of physical keys and a graphical user interface with optimally laid-out on-screen controls. Buttons are thus larger and more ergonomic, while on-screen displays offer the information you need, clearly, intuitively and with a touch of style.

Navigation

Clarion's car navigation lineup includes everything from hide-away navigation unit and portable navigation device, to all-in-one AV/Navigation systems.

The navigation engine, with maps stored on 2GB flash memory, provide a perfect balance of performance and convenience.

Entertainment

Keep your audience smiling. Certain select models feature visual output for 2-zone entertainment, so rear seat and front seat passengers can view different content during the journey. And with DivX® playback support, you'll be able to enjoy a wider variety of compressed video programs such as movies.

Sound

Sculpt the sound to match your preference or environment, with audio features like Beat EQ's 3-band parametric equalizer, BBE® MP to improve the sound of compressed digital audio and Magna Bass EX to boost ultra-low frequencies for a richer sound with more impact, just for starters.

Connectivity

The music you love and carry can be enjoyed seamlessly in your car. iPod connectivity including full control and search functions, as well as USB and AUX connections to access music on portable devices and other external equipment, make sure you can take your tunes along for the ride.



Balance Your Drive with Precise Navigation and Premium



Remote Control

NX509
DVD Multimedia Station with
Built-in Navigation
& 7-inch Touch Panel Control

CEA 2006 Power Ratings
20W/4 RMS 4Ω @ 14.4V ±1% THD+N
S/N 84dB (Ref:1W into 4Ω)

MULTIMEDIA

NX509 FEATURES

- DVD-Video/DVD±R/DVD±RW/CD-DA/CD-R/RW Ready
- Built-in Navigation (2 GB Flash Memory for Map Storage)
- MP3/WMA/AAC Compatible with ID3-TAG display
- Official DivX® Certified product
- Plays All Versions of DivX Video (including DivX 6) with Standard Playback of DivX Media Files
- 18 FM 6 AM Presets
- iPod Direct Control via USB (Optional CCA723 Cable for iPod Video Playback)
- Rear USB Connector
- 1 AV Input
- Rear Vision Camera RCA Input
- Subwoofer Volume Control
- 24-bit D/A Converter
- BBE MP for Compressed Audio Sound Improvement
- BEAT EQ for Sound Adjustment
- MAGNA BASS EX Dynamic Bass Enhancement
- Built-in LPF/HPF
- 2-Zone Entertainment: Front and Rear Separate Source Control
- Touch Panel Control (On Screen Display)
- 3-Hard Key (SRC, Vol-, Vol+)
- Fully Motorized 7-inch QVGA Color LCD Monitor
- Adjustable Display Brightness
- SAT Ready
- 6ch RCA Output (F/R/SW) + 2-zone Output
- 50W×4 Built-in Amplifier
- Bluetooth® Interface Ready (Optional BLT370)
- OEM Steering Remote Ready
- Remote Control included

NAVIGATION

- **3D Display Mode:** 3D Maps, 3D Landmarks and 3D Icons * 3D Mode Available in Select Cities
- **2 Different User modes:** Simple Mode, Advanced Mode
- **TTS (Text to Speech) for Street Announcement**
- **Day/Night map color change**
- **Find menu:** Find Address, Find POI, History, Find coordinate, Favorites, Plan on Map
- **12 Million Built-In POIs**
- **Multiple route calculation:** Fast, short, Economical, Easy



- **Multiple vehicle selection:** car, Taxi, Bus, Emergency vehicles
- **Multiple Road selection:** Unpaved Roads, Permit Needed Motor Ways, Toll Roads, Ferries, Border crossing, Carpool Lanes
- Smart Zoom and 3 preset zoom Buttons
- Quick Access to Quick Menu
- Lane Information & Signpost Information



New Graphical User Interface

The Clarion H.M.I. concept takes a unique form in the NX509's touch-panel graphical user interface with high-resolution on-screen display. A wide variety of functions, from car navigation to AV entertainment, are consolidated into this intuitive user-interface so there are only 3 physical buttons present on the front panel, contributing to the clean looks of this model. No steep learning curves, so you can enjoy it to the fullest from day one.



Built-in Navigation System

Nothing to add — it's all there from the get go. Count on GPS accuracy and the efficient Clarion Mobile Map engine to guide you to your destination. Navigation data is pre-stored on the internal flash memory for quick access. And with 3D rendered graphics including landmarks, you'll have an intuitively familiar view of the navigation route you are taking.

3D Rendering for Added Realism and Driving Accuracy

3D City Map

Cityscapes are realistically rendered in 3D, with buildings close to you drawn transparently to avoid obstructing the next intersection.



3D Landmarks

3D landmark data are seamlessly integrated into 3D graphic renderings, realistically depicting key points along your travel route.



3D Elevation Map

To make it easier to maneuver through complex junctions, roads and bridges are drawn using actual height information.



iPod Direct Control via USB

Just connect the USB cable that's included with your iPod to the NX509's Rear USB input to control your iPod from either side. Using an optional CCA723 cable will even let you watch iPod Video on the screen. The same USB terminal can also be used to connect a USB memory device with digital music files stored on it.

* To connect iPod, please use the USB cable included in your iPod.
* Please see the Clarion website for iPod models that can be connected.

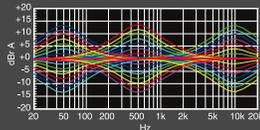


Digital Media Ready (DivX®)

DivX is a common media language that delivers a pure digital experience. Clarion has provided DivX playback on most AV products since 2008. DivX enriched video files deliver superior video quality and allow more information on a single disk. Once again Clarion delivers the features you expect.

Enhanced Sound Performance

Beat EQ's 3-band parametric equalizer helps you customize your sound, while MagnaBass EX boosts ultra-low frequencies so you can enjoy more solid bass performance.



Audio Precision (Bass Midrange Treble)

BBE® MP for Better Sounding MP3/WMA/AAC Files

BBE MP (Minimized Polynomial Non-Linear Saturation) Process improves digitally compressed sound such as MP3/WMA/AAC by restoring the harmonics that are lost through compression, thereby reproducing the warmth, details and nuances that you would otherwise miss. BBE MP enhanced harmonics even serve to make regular CDs sound better.

* Manufactured under license from BBE Sound, Inc.
* Licensed by BBE Sound, Inc. under one or more of the following US patents: 5510752, 5736897. BBE and BBE symbol are registered trademarks of BBE Sound, Inc.

•BBE MP Process



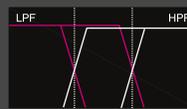
BBE MP on



* This Diagram shows only image for function of BBE MP

Built-in HPF and LPF

The internal High Pass and Low Pass Filters allow your music to be played at the precise levels that they were meant to be heard. Enjoy bass with more muscle and highs with more clarity.



24-Bit D/A Converter

Fully enjoy the sonic impact of DVD movie soundtracks or music videos. 24-bit technology actually oversamples the digital signal, providing excellent results that just weren't possible with older 16-bit systems.

2-Zone Entertainment

This allows rear seat passengers to enjoy a DVD movie or iPod Video while the front seat passengers enjoy their favorite radio station or music from a USB memory device.



Sirius/XM Ready

Connect to a Sirius or XM Satellite Radio receiver via CeNET interface and enjoy over 130 channels of music, news, talk shows, sports and traffic information with digital quality sound throughout the U.S. and Canada.



iPod USB Direct for playback through USB cable provided with iPod.



USB Connector even supports playback of WMA/MP3/AAC files.



Each RCA Outputs let you freely add external power amplifiers to create a more powerful, sophisticated audio system.



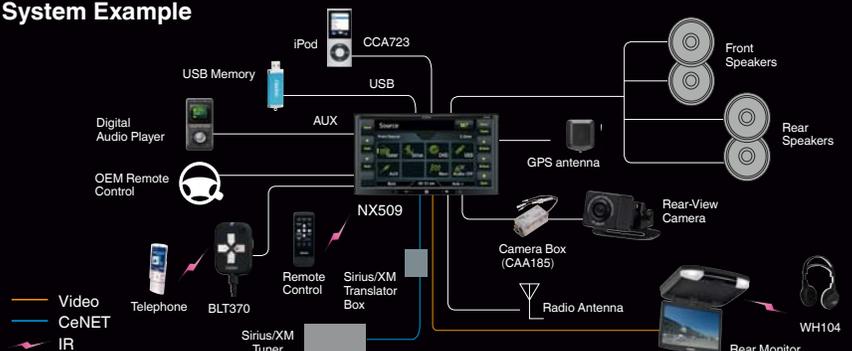
24-Bit D/A Converter

Bluetooth-ready with BLT370

Hands-free conversations (HSP/HFP) on Bluetooth-ready mobile phones, promote safe driving. This is possible via wireless connection of the phones to the vehicle's audio systems. With the A2DP Advanced Audio Distribution Profile, you can enjoy music reproduction from many new mobile phones or portable media players and control them via AVRCP (Audio Video Remote Control Profile).



System Example



Simple Solution to Navigate Your Way to Complete Satisfaction



NX409
2-DIN DVD Multimedia Station
with Built-in Navigation
& 6.5-inch Touch Panel Control

CEA 2006 Power Ratings
19W×4 RMS (4Ω@14.4V±1% THD+N)
S/N 77dB (Ref:1W into 4Ω)



GPS Antenna



Remote Control

MULTIMEDIA

Audio Visual and Navigational Power in a Space-saving Package



NZ409
DVD Multimedia Station
with Built-in Navigation
& 7-inch Touch Panel Control

CEA 2006 Power Ratings
19W×4 RMS (4Ω@14.4V±1% THD+N)
S/N 77dB (Ref:1W into 4Ω)



GPS Antenna



Remote Control

NX409 / NZ409 FEATURES

- DVD-Video/DVD±R/DVD±RW/CD-DA/HDCD CD-R/RW Ready
- Built-in Navigation (2 GB Flash Memory Map Storage/Map Coverage: US 50 States and Canada)
- 12 Million Built-in POIs
- TTS (Text to Speech) for Street Announcements
- MP3/WMA Compatible with ID3-TAG Display
- 18 FM / 6 AM Station Presets
- Rear USB Connector
- iPod Direct Control via USB (CCA723 Cable Required)
- Front AV Input (NX409 Only)
- Rear AV Input
- Rear vision Camera RCA Input
- 24-bit D/A Converter
- Touch Panel Control
- Fully-motorized QVGA Color LCD Monitor (NZ409/7-inch)
- 6 ch RCA Output and RCA Rear Video Output
- 40 W × 4 Built-in Amplifier
- OEM Steering Wheel Remote Ready
- Sirius Direct Connection Ready
- Bluetooth® Interface Ready (Optional BLT370)
- Built-in IR Eye



iPod Direct Control via USB

Just connect the USB cable that's included with your iPod to the source unit's USB input to control your iPod. Using an optional CCA723 cable will even let you watch iPod Video on the screen. The same USB terminal can also be used to connect a USB memory device with digital music files stored on it.

* To connect iPod, please use the USB cable included in your iPod.
* For video playback, optional CCA723 cable required.
* Please see the Clarion website for iPod models that can be connected.

Front and Rear AV Input

NX409 is equipped with AV inputs on the front as well as the rear, making it twice as easy to plug-in a portable audio device or portable satellite radio for instantaneous enjoyment.

24-bit D/A Converter for Superb Sound Reproduction

Fully enjoy the sonic impact of DVD movie soundtracks or music videos. 24-bit technology actually oversamples the digital signal, providing excellent results that just weren't possible with older 16-bit systems.



Built-in Navigation System

Nothing to add — it's all there from the get go. Count on GPS accuracy, an efficient navigation engine, and intuitive 2D/3D map screens to guide you to your destination. Navigation data is pre-stored on the internal flash memory for quick access and response.

Sirius SSP Direct Connection Ready

Connect to a Sirius Satellite Radio receiver without any need for an interface box — and enjoy over 130 channels of music, news, talk shows, sports and traffic information with digital quality sound throughout the U.S. and Canada.

Rear Vision Camera RCA Input

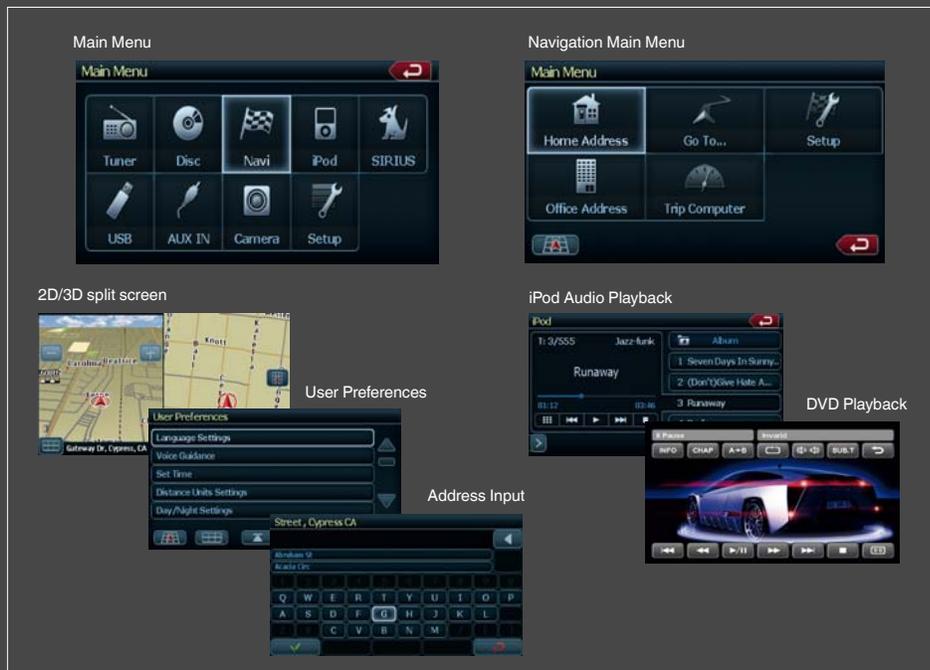
This RCA input enables you to smoothly connect a rear camera to display the area behind your vehicle. The increased view encourages and facilitates safer driving.

6ch/2V RCA Output

With 3 sets of RCA outputs, you are free to add external power amplifiers to create a more powerful, sophisticated audio system.

Bluetooth Ready

Used with the optional BLT370 Bluetooth transceiver, you will be able to enjoy the benefits of hands-free calling as well as audio streaming of music you have stored on your mobile phone.



Easy-view Sub Display

In addition to its main LCD screen, while "closed", the NZ409 shows you its informative 12-digit blue LCD display for maximum visibility within a space-saving profile.



iPod USB Direct for playback (Video Playback, Optional CCA723 Cable)



USB Connector even supports playback of WMA/MP3 files.



Front AUX Input for connection of portable audio player or other equipment.



6ch output assures system flexibility and expandability.

MULTIMEDIA

Sophistication and Functionality Enhance Your Mobile Experience

clarion



DCP



Remote Control

VZ709

DVD Multimedia Station
with CeNET & 7-inch Touch
Panel Control

 CEA 2006 Power Ratings
19W/4 RMS (4Ω @ 14.4V ±1% THD+N)
S/N 78dB (Ref: 1W into 4Ω)

MULTIMEDIA

Excellent Entertainment Coming in Wide and Clear



VX709

2-DIN DVD Multimedia Station
with CeNET & 7-inch Touch
Panel Control



Remote Control

 CEA 2006 Power Ratings
20W/4 RMS (4Ω @ 14.4V ±1% THD+N)
S/N 80dB (Ref: 1W into 4Ω)



VZ709 / VX709 FEATURES

- DVD-Video/DVD±R/DVD±RW/CD-DA/CD-R/RW Ready
- Built-in Bluetooth® Hands-free (HFP & OPP) and Audio Streaming (A2DP & AVRCP)
- MP3/WMA/AAC Compatible with ID3-TAG Display
- Official DivX® Certified Product
- Plays All Versions of DivX video (including DivX 6) with Standard Playback of DivX Media Files
- 18 FM / 6 AM Station Presets
- Rear USB Connector
- iPod Direct Control (Optional CCA723 Required for iPod Video)
- AV Input
- Dedicated Rear vision Camera RCA input
- Subwoofer Volume Control
- 3-band Parametric Equalizer
- 24-bit D/A Converter
- MAGNA BASS EX Dynamic Bass Enhancement
- Built-in LPF/HPF
- Motorized Sloping Control Panel with 7-inch QVGA Color LCD Monitor
- Navigation Touch Panel Control (NP509/NAX980HD)
- RGB Input for NAX980HD
- 6 ch RCA Output and 2 ch RCA Output for 2-Zone
- 2-Zone Entertainment: Front and Rear Separate Source Control
- DSP Tuner with Variable Bandwidth
- 50 W × 4 Built-in Amplifier
- XM Mini-Tuner Direct Connection Ready
- OEM Steering Wheel Remote Ready
- Built-in IR Eye (RCB187 Remote Included)
- Selectable Wallpaper Design (4 Preset)



CeNET for HDD and Hide-away Navigation Connection

The CeNET interface will let you connect the NAX980HD Hard-Disk Navigation system, or the NP509 Flash memory navigation system (via CCB509 CeNET Converter), to the source unit for fully integrated and interactive car navigation.

Built-in Bluetooth® Hands-free Calling

With Bluetooth built-in, you can wirelessly connect your Bluetooth capable mobile phone to listen to calls through your car's audio system. HFP/OPP/A2DP/AVRCP protocols are supported.



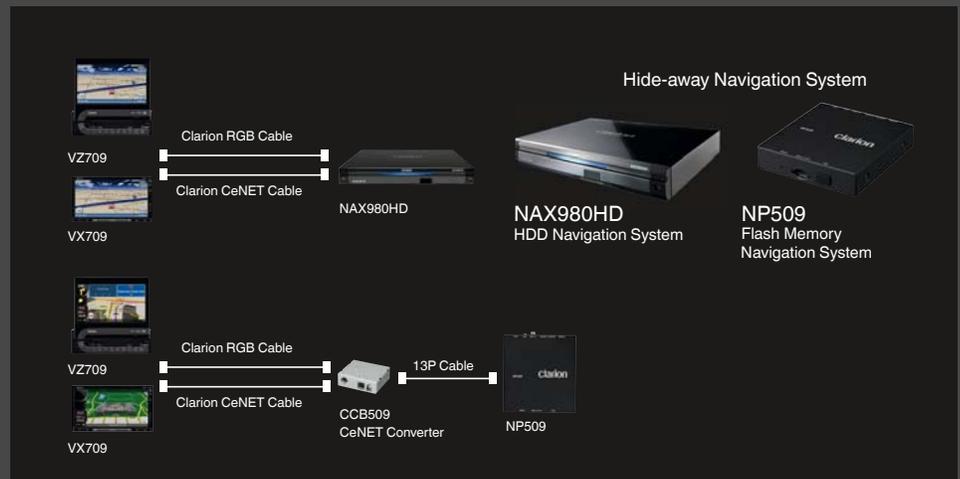
iPod Direct Control via USB

Just connect the USB cable that's included with your iPod to the source unit's USB input to control your iPod from either side. The same USB terminal can also be used to connect a USB memory device with digital music files stored on it.

* To connect iPod, please use the USB cable included in your iPod.
* For video playback, optional CCA723 cable required.
* Please see the Clarion website for iPod models that can be connected.



Navigation System Example



Built-in HPF and LPF

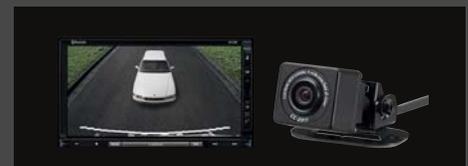
The internal High Pass and Low Pass filters allow your music to be played at the precise levels that they were meant to be heard. Enjoy bass with more muscle and highs with more clarity.

3-Band Parametric Equalizer

The entire sound spectrum is separated into high, medium and low ranges. The level of each can be adjusted separately. Customize the sound to suit your taste and your car.

Dedicated Rear vision Camera RCA Input

Dedicated Rear vision Camera input is equipped. It enables you to see the area behind your vehicle. The increased view encourages safer driving (optional CK625E required)



XM Universal Mini-Tuner

This portable XM universal tuner (option) enable you to bring your subscription so you can enjoy XM satellite service anywhere you go.

4 Preset Wallpaper Designs

Background patterns of the navigation system and audio & video sources can be customized to suit your taste or your car's color scheme.



MULTIMEDIA

A Fresh New Face to Get You There and Keep You Entertained



VZ509 DVD Multimedia Station with 7-inch Touch Panel Control



Remote Control

CEA 2006 Power Ratings
21W×4 RMS (4Ω@14.4V±1% THD+N)
S/N 84dB (Ref:1W into 4Ω)



MULTIMEDIA

VZ509 FEATURES

- DVD-Video/DVD±R/DVD±RW/CD-DA/CD-R/RW Ready
- MP3/WMA/AAC Compatible with ID3-TAG display
- Official DivX® Certified product
- Plays All Versions of DivX Video (including DivX 6) with Standard Playback of DivX Media Files
- 18 FM/ 6 AM Presets
- iPod Direct Control (Optional CCA723 Cable for iPod Video Playback)
- Rear USB Connector
- NP509 Hide-away Navigation Direct Connection and Control

- 1 AV Input
- Rear vision Camera RCA Input
- Subwoofer Volume Control
- 24-bit D/A Converter
- BBE MP for Compressed Audio Sound Improvement
- BEAT EQ for Sound Adjustment
- MAGNA BASS EX Dynamic Bass Enhancement
- Built-in LPF/HPF
- 2-zone Entertainment: Front and Rear Separate Source Control
- Touch Panel Control (On Screen Display)

- Fully Motorized 7-inch TFT Color LCD Monitor
- Adjustable Display Brightness
- SAT Ready
- 6ch RCA Output (F/R/SW) + 2-zone Output
- 50W×4 Built-in Amplifier
- Bluetooth® Interface Ready (Optional BLT370)
- OEM Steering Wheel Remote Ready
- Remote Control Included

New Graphical User Interface

With a lion's share of functions controllable from VZ509 touch panel, there are only 4 physical buttons to deal with. Operation is streamlined, simplified, and beautifully enhanced with the high-resolution on-screen display.

New Graphic IC

By incorporating an integrated video IC, on-screen graphics switch more quickly and smoothly, and usability has been enhanced by allowing touch panel operation even while a video image is being shown in a small window.

Navigation Touch Panel Operation

The NP509 hide-away navigation system can be connected to the VZ509 directly and controlled through its touch panel. So with this multimedia station, you can upgrade to a car navigation system at any time. Count on voice guidance messages and high-resolution map displays to get you safely to your destination.

Digital Media Ready (DivX)

DivX is a common media language that delivers a pure digital experience. Clarion has provided DivX playback on most AV products since 2008. DivX enriched video files deliver superior video quality and allow more information on a single disk. Once again Clarion delivers the features you expect.

4-Hard Key



iPod USB Direct for playback through USB cable provided with iPod.



New Graphic IC



USB Connector even supports playback of WMA/MP3/AAC files.



Touch Panel Operation



6ch Output for superior system expandability and versatility.



Get wirelessly connected using optional BLT370 Bluetooth transceiver.

Direct USB iPod Control

Just connect the USB cable that's included with your iPod to the Clarion head unit's USB input and you get complete control over your favorite music including iPod ABC Search, using iPod's control wheel. And by connecting the iPod to VZ509 via optional CCA723 cable, it will be possible to enjoy iPod Video on the VZ509's monitor screen.

* To connect iPod, please use the USB cable included in your iPod.
* Please see the Clarion website for iPod models that can be connected.

Advanced Technologies for Sound Satisfaction

BBE MP (Minimized Polynomial Non-Linear Saturation) Process improves digitally compressed sound such as MP3/WMA/AAC by restoring the harmonics that are lost through compression. What's more, Beat EQ's 3-band parametric equalizer helps you customize your sound, while Magna-Bass EX boosts ultra-low frequencies so you can enjoy more solid bass performance.

Navigation System Example



OPTIONAL DEVICES TO EXPAND YOUR HORIZONS

Your car system is as unique as you are — so maybe you'll want to add options that will expand your car navigational possibilities. More flexible, more customized, more in-tune with your driving lifestyle. Clarion has all the components you need.



Easy Onramp to the Convenient World of Car Navigation

NP509

HIDE-AWAY MEMORY NAVIGATION SYSTEM

- Compatible with VZ709/VX709/VZ509
- Touch Screen Operation (VZ709 /VX709/VZ509)
- 12 Million Built-in POIs
- Audible Voice Commands in 3 Different Languages (English / French / Spanish)
- 2GB Flash Memory (Map Data Pre-loaded)
- SIRF GPS III Module with 20-channel GPS Receiver
- Quick access to Quick Menu
- 2 Different User Modes: Simple Mode, Advanced Mode
- Automatic Route Recalculation
- Turn by Turn Voice Prompts and TTS for Street Announcements
- 3 Display Mode: 3D Maps, 3D Landmarks and 3D Icons
- Lane Information & Signpost Information
- No VSS Connection Required



3D Rendering for Added Realism and Driving Accuracy

3D Map



2D Map



Navigation Menu



3D Landmark



Signpost Information



Night Mode



Superior Accuracy and Hard Drive for Large Map Database

NAX980HD

HDD Navigation System

- Compatible with VZ709 or VX709
- Touch Screen Operation
- Audible Voice Commands in 3 Different Languages (English / French / Spanish)
- 40GB Built-in High Speed Hard Disc Drive
- Built-in Gyro Sensor
- Quick access to Short Cut menu
- Comprehensive 10M Points of Interest Database
- Automatic Route Recalculation
- Turn by Turn Voice Prompts



An installation friendly GPS antenna provides added flexibility and safety.

"My List" new style of 3D menu display



2D 3D Screen



Search



MULTIMEDIA

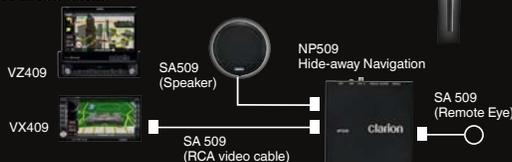
Navigation System Example



SA509

Stand-alone Accessory Kit for NP509

- IR Remote Control and Remote Eye
- External speaker for Voice guidance
- RCA video cable



CCB509

CeNET Converter

- This CeNET Converter enable you to connect with VX709/VZ709/ MAX685BT/VRX785BT/MAX675VDII/ VRX785VD and NP509
- 1 RGB output & CeNET Connector



Get Going with QVGA Quality Entertainment and Navigation



Remote Control

VX409

2-DIN DVD Multimedia Station
with 6.5-inch Touch Panel Control

CEA 2006 Power Ratings
18W+4 RMS (4Ω@14.4V ≤1% THD+N)
S/N 76dB (Ref:1W into 4Ω)

MULTIMEDIA

VX409 / VZ409 FEATURES

- DVD-Video/DVD±R/DVD±RW Ready
- CD-DA/HD/CD-R/RW Ready
- MP3/WMA Compatible with ID3-TAG Display
- 18 FM / 6 AM Station Presets
- iPod Direct Control (Optional CCUIPOD1 required)
- Navigation RCA Video Input
- Rear AV Input
- Rear AV Output
- 24-bit D/A Converter
- Fully Motorized QVGA Color LCD Monitor (VZ409/7-inch VX409/6.5-inch)
- Adjustable Display Brightness
- Tilt Angle 5 Positions Display (VZ409)
- Sirius SSP Direct Connection Ready
- 6ch RCA Output
- Subwoofer Volume Control
- 40 W × 4 Built-in Amplifier
- Smart Rotary Volume Control
- Bluetooth® Interface Ready (Optional BLT370)
- OEM Steering Remote Ready
- Remote Control Included



High-Resolution QVGA Display

The large LCD features an intuitive graphical user interface for operation of your iPod®, Sirius Satellite Radio, CD and DVD playback, including full access to DVD menus. The QVGA LCD screen offers high resolution viewing for DVDs as well as AUX connected sources.

24-Bit D/A Converter for Superb Sound Reproduction

Fully enjoy the sonic impact of DVD movie soundtracks or music videos. 24-bit technology actually oversamples the digital signal, providing excellent results that just weren't possible with older 16-bit systems.

Navigation RCA Video Input

With the VX409/VZ409, you can connect the NP509 hide-away navigation system* to upgrade to a car navigation system at any time. Count on voice guidance messages and high-resolution map displays to get you safely to your destination.

* Optional SA509 required for installation.

Sirius SSP Direct Connection Ready

Connect to the Sirius Satellite Radio receiver without the need for a interface box. One Sirius Tuner and one interface cable, and you are ready to receive over 130 channels of music, news, talk shows, sports and traffic information with CD quality sound throughout the USA.

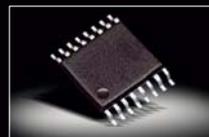


Remote Control

VZ409

DVD Multimedia Station
with 7-inch Touch Panel Control

CEA 2006 Power Ratings
18W+4 RMS (4Ω@14.4V ≤1% THD+N)
S/N 76dB (Ref:1W into 4Ω)



24-Bit D/A Converter



Sirius SSP READY



iPod Direct for playback



6ch Output for superior system expandability and versatility.



Smile with Superb Sound and Optimized Operation



VZ309 DVD Multimedia Station with 3.5-inch LCD Monitor

CEA 2006 Power Ratings
18W x 4 RMS (4Ω @ 14.4V ≤ 1% THD+N)
S/N 75dB (Ref: 1W into 4Ω)



VZ309 FEATURES

- DVD-Video/DVD±R/DVD±RW Ready
- CD-DA/HDCD/CD-R/RW Ready
- MP3 and WMA Compatible with ID3-TAG Display
- Front USB Slot
- 18 FM/12 AM Presets
- Plays iPod with optional CCUIPOD1
- Front 3.5mm Aux Input
- Rear vision Camera RCA Input
- Subwoofer Volume Control
- 24-bit D/A Converter

- Rear AV Output
- Flip-down with 3.5-inch TFT Color LCD Monitor
- Adjustable Display Brightness
- 6ch RCA Output
- 50 W x 4 Built-in Amplifier
- XM Satellite / HD Radio Ready
- Remote Control Included



MULTIMEDIA

Enjoy a Wide Variety of Media

The built-in optical disc drive is compatible with DVD-Video, DVD±R, DVD±RW, CD-DA, HDCD, CD-R and CD-RW, so you're assured access to a wide variety of visual and musical entertainment.

3.5-inch LCD Screen

The 3.5-inch LCD displays operational status of your iPod, CD and DVD playback, radio functions and more. It offers maximum usability within minimum dimensions.

iPod Playback

Just connect your iPod to the VZ309 using the optional CCUIPOD1 to control your iPod from the source unit.

* Please see the Clarion website for iPod models that can be connected.

Front USB Input

Front USB input is equipped. This is really convenient and just stick USB Memory on to it and enjoy your favorite music library.

HD Radio Ready

You can connect the optionally available THD309 and enjoy the benefits of high-definition digital radio.

Multimedia Station



iPod playback possible through optional CCUIPOD1.



USB Connector even supports playback of WMA/MP3 files.



Front AUX Input for connection of portable audio player or other equipment.



6ch Output for superior system expandability and versatility.

Economical HD Radio Module that Connects Directly to VZ309 !



THD309 HD Radio Module

*Can be connected with only VZ309

Home Theater? We Prefer "In-car" Theater. Clarion's Overhead Monitors Combine The Comforts of A Home System, In Your Back Seat.



"Are we there yet?" That sentence will become extinct once you install a Clarion rear seat overhead entertainment system. Featuring

monitor sizes ranging from 8-inch to 15-inch which include a built in DVD player and wireless headphone transmitters - peace of mind is only a press of a button away. Our TFT active matrix LCD monitors reproduce vivid colors and provide crisp clear viewing of your favorite DVD. Now the problem will be getting your kids out of the car when you reach your destination.

VT1500B VT1000B/T VT800B FEATURES

- 15.4" WXGA Color TFT-LCD Monitor (Only for VT1500B)
- Roof Mounting Application
- NTSC and PAL Compatible
- Adjustable Color/Contrast/Brightness/Tint
- White LED Dome Light
- Built-in IR Transmitter for Wireless Headphone
- IR Remote Control
- On Screen Display
- 3.5mm AUX Input Connection
- 2 x AV Input (Back side)
- 1 x AV Output (Back side)
- Slot-in DVD mechanism
- Capability to read: DVD Format/DVD±R/DVD±RW/CD-DA/CD-R/RW/MP3/WMA/VCD/SVCD



VT1000B
10.2-inch Wide Screen
LCD Overhead Color Monitor with
DVD Player

• VT1000B: Black color / VT1000T: Tan color

VT1500B
15.4-inch Wide Screen
LCD Overhead Color Monitor with
DVD Player



VT800B
8-inch Wide Screen
LCD Overhead Color Monitor with
DVD Player



With Clarion Multimedia Loaded in Your Vehicle, Your Back Seat Might Become Your Home Away from Home.

Driving doesn't have to be a voyage from point A to B, it can be a journey full of vivid imagery and sound in your rear seat. Have your favorite movies and video games waiting for you whenever you are ready.



VMA770
7" Headrest/Stand-alone
LCD Wide Monitor

- 7" TFT Color Monitor
- Dimensions:
7-1/2" (W) x 5-1/4" (H) x 1-1/4" (D)

- 16:9/4:3 Adjustable Screen Format
- On-screen Display
- 2 AV Inputs
- Build-in Dual IR Output for Headphone (Optional WH204H)
- Built-in Receiver for compatible Device
- Easy-fit Universal Mounting Bracket Included
- Supports NTSC and PAL



VMA570
5.6" Headrest/Stand-alone
LCD Wide Monitor

- 5.6" TFT Color Monitor
- Dimensions:
6-1/4" (W) x 4-3/8" (H) x 1-1/4" (D)

OPTIONAL ACCESSORIES

WH104/WH204/WH105/ WH104H/WH204H/WH105H

Wireless Headphone Systems

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



FM200

FM Modulator

- 2-channel RCA Audio Input
- 2 Selectable FM Transmitting Stations
- Adjustable Audio Level Control
- On/Off Switch Included



VA700

Video Distribution Amplifier

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



CK625E

- Rear Vision Camera Kit
Includes : CC1030E
CAA188
MF23RM

CC2011E

- Ultra Compact Color CCD Camera (MIRROR IMAGE)



SH1575/SH1075

Shroud

- for
VT1500B/
VT1000B&T/
OHM1575VD/
OHM1075VD



CCA723

iPod Video Connecting Cable

- for NX509/NX409
NZ409/VZ509
VZ709/VX709

CCUIPOD1

iPod Connecting Cable

- for VX409/VZ409
VZ309/CMS1



RCB199

External Microphone

- for
VZ709 and VX709

CCA389

8p DIN to RCA A/V Adapter

- Provides an Auxiliary A/V Signal Into TTX7501Z,
VRX925VD, VRX935VD, VRX630 and VRX610

CCA673

iPod Video Connecting Cable

- for VRX775VD, MAX675VD and MAX675VDII

CCA691

iPod Video Connecting Cable

- for VRX575USB, VRX585USB and VRX385USB

CAA185

Power Box for CC1030E



MF23RM

23' Camera Cable



Drive Smart-negotiating Road, Traffic, and Communication Hasnever Been Easier.

Clarion's EZDrive is the ultimate navigation unit, with simple destination input, turn-by-turn voice prompts, text-to-speech operation and selectable route guidance this unit is all about convenience. It even has instant recall of your last destinations and includes an astounding 12 million points of interest in its database.

EZD580 Portable Navigation System

- 4.3" TFT Color Monitor Touch Panel Control
- Built-in Bluetooth® Hands-free (HFP) and Audio Streaming (A2DP & AVRCP)
- Coverage of Entire USA and Canada
- Easy to Use New Navigation Engine
- 12 Million Points of Interest with Icons
- FM-TMC Traffic Service Ready (Optional NAVRDS and Subscription Required)
- TTS (Text to Speech) for Street Announcements
- 2GB Flash Memory (Map Data Pre-loaded)
- SIRF GPS III Module with 20-channel GPS Receiver

- SD/MMC for MP3/WMA Playback and Supports SDHC (Up to 4GB memory card)
- Picture Viewer (JPEG)
- 3.5mm External Headphone Connector
- Built-in Loud Speaker
- USB 2.0 Connection for Updating and Charging
- Rechargeable Battery Last up to 4 Hours
- Microsoft Windows CE 5.0
- 2D and 3D Map View
- Lane and Signpost Info
- Automatic Route Recalculation
- Simple Destination Input
- Windshield and Dash Mount Kit Included
- USB Cable and Car Charger Included

MULTIMEDIA

Built-in Battery

Your life is on the go, so should your portable navigation device. The EZD580 includes a long life Lithium Ion Battery, for your on-the-go lifestyle. With up to 4 hours of continuous use it is sure to be ready when ever you. Go ahead, charge it up and get moving.

12 Million POIs Preloaded

Looking for somewhere to eat? Or maybe your gas tank is empty? Let the EZD580 guide you to your required destination by accessing its 12 Million Points of Interest. National Parks, Gas Stations, and Restaurants are a simple touch and select away, simply select the POI guide, pick your destination and watch the EZD580 do its magic and display your route in precise detail.

FM-TMC for Traffic Information

Let's face it, knowing where you are going is only half battle, arriving on time is winning the war. The EZD580 features the Total Traffic Network as an available option for 2009. Total Traffic guides you through the heaviest of traffic situations, allowing you to alter your route and avoid road delays.

Transmit Voice Prompt/TTS

Clarion continues to create products that make your daily trips safer and more convenient. The EZD580 features a selectable voice guided prompt, which allows you to follow this smart devices instruction without ever having to take your eyes off the road. TTS(TEXT to speech) technology lets voice prompts announce the street name so you can exactly your way.

- Speed limit information
- Interactive 2D & 3D map view
- Smart zoom technology
- Cross border routing, 50 POI categories
- Extremely fast route calculation and rerouting

- Compatible with MP3/WMA files on SD/MMC cards
- Handles SD/MMC cards up to 4 GB • MP3/WMA files from a PC can be transferred to the main unit's flash memory.
- Graphic equaliser setting with 12 presets
- Playlist compatible (.m3u)

Navi software keypoints



Picture viewer keypoints



MP3 Player keypoints



Bluetooth®



- Compatible with JPEG & BMP files on SD/MMC cards
- Handles SD/MMC cards up to 4 GB
- Pictures from a PC can be transferred to the main unit's flash memory
- Thumbnail views and Slideshow playback modes

Bluetooth wireless connection supports safe handsfree calls. This ensures safer driving and transforms the in-car environment to a more amenity-rich environment. Connect your mobile phone to the EZD580 and see phone information on the screen to manage calls and dial numbers with ease.



No Tools Required

Turn it on and bam; off we go. Its built-in power source allows you to go anywhere. Use the touch screen display to enter your destination and follow along as your route is displayed in rich detail. Connectivity leads to convenience and entertainment. Whether you're listening to music from the SD card or transferring data through the USB port, Clarion enriches the mobile experience.



Mini USB port SD card slot

Always with You. Navigate Your Life.

ClarionMiND is a completely new type of mobile Internet device created by the car audio and navigation expert Clarion.

As a Next Generation Navigation plus Internet-Based Entertainment device, it provides GPS navigation, and with Wi-Fi and Bluetooth-enabled cellphone, the Internet can be accessed via a full browser anytime and anywhere. ClarionMiND has a new interface that allows you to navigate the real-world and the unlimited possibilities of the Internet at the touch of a finger. The possibilities for ClarionMiND are endless.

ClarionMiND

Powering ClarionMiND: the Mighty Intel® Atom™ Processor

ClarionMiND is powered by Intel's smallest processor – the Intel® Atom™ Processor – which packs an astonishing 47 million transistors. Despite its small size, it is powerful enough to deliver a full range of Internet services and many useful applications.



MULTIMEDIA



NEXT-GENERATION NAVIGATION

Navigation / Send from Google Maps to your device / Portable and Dockable

Full-featured navigation system from Clarion, a leading car audio and navigation manufacturer.

Navigation

ClarionMiND is a full-fledged navigation system that guides you accurately to your destination.

Google Maps provides extensive local information.



Send from Google Maps to your device

In addition to pre-installed POIs, use ClarionMiND to guide you to your selected destination using the information supplied by Google Maps. Once you find your destination on Google Maps, click the Send button to transfer it to your ClarionMiND and navigate directly.

Independent operating modes for portable and in-car use.

Portable and Dockable

As a portable device, ClarionMiND allows you to use it in the home or office, or when you are out and about. In your car, the navigation mode starts as soon as the unit is placed in the standard cradle or the optional Car Dock.



Google Maps



POIs downloaded from Google Maps



For more information, see the Clarion website at <http://my.clarion.com>



INTERNET BASED ENTERTAINMENT

Browser / YouTube / MySpace

A step beyond mobile devices: full browser.

Enjoy YouTube and MySpace via the unique interface.

Browser

Using the Firefox-based web browser, you can navigate the Web the same way you do on your PC. Find where you want to go, such as restaurants, concert venues and shops by checking the information on the Internet.



Full Browser



The YouTube icon on the Home Screen gives you one-touch access to one of the world's most popular video community — you don't need to activate the browser.



YouTube Browser



Use the MySpace icon to go directly to this popular social networking website with over 100 million members. The easy to operate MySpace browser has enhanced viewer functions to make MySpace even more fun to use than with a PC.



MySpace Browser



USER INTERFACE

Mobile Mode / Car Mode

ClarionMiND provides an intuitive H.M.I. (Human Machine Interface). The graphics for the button size and layout, map design and menus are designed to provide excellent visibility to allow safe operation of the touchscreen.

Mobile Mode

The icon layout can be switched between Slide View and Carousel View, and the icon arrangement order and categories can be changed as well. Enjoy faster access by grouping and displaying the icons of functions used most often.



Slide View



Carousel View

Car Mode

The special Car Mode interface was designed for safety and comfort. Installing the standard cradle (included) and Car Dock (sold separately) allows the navigation to start up automatically and switch to a screen that restricts certain functions for increased safety while the vehicle is moving.



Car Mode

Some of ClarionMiND's many convenient functions.

- Weather (Powered by The Weather Channel)
- News Reader
- Real Player (Music/Movie/Photo)
- e-mail
- Software Keyboard
- Portal Sync (Synchronization with user portal site MyClarion)
- Calculator
- PDF Viewer
- File Manager
- Note Pad
- Control Panel



Weather



News Reader

MULTIMEDIA

ClarionMiND Basics

- 4.8 inch WVGA(800x480) LCD Display with touch screen • Intel® Atom™ Processor
- 800MHz Clock Speed • 512MB DRAM
- 4GB SSD Flash Memory • Built-In Wi-Fi (b/g)
- Built-In Bluetooth® 2.0+EDR • Built-In GPS Antenna/Receiver • Built-In Amplifier
- Built-In Speaker • Rechargeable Battery Lasts up to 1.5 Hours (up to 4.5 Hours with Large Battery) • Headphone Jack
- 2 USB Ports (Standard/Mini) • microSD Card Slot • One Touch Keys • Docking Station Connector • Dimensions: 167.8 (W) x 96.0 (H) x 26.45 (D) mm (6.6" x 3.78" x 0.99") • Weight: 325g (incl. Standard Battery)



Color variations



User Portal Site

Upgrade, get software and more at "MyClarion"

One of the best features of Clarion MiND is that you can continually upgrade and extend its capabilities. Just use the Internet connection to go to the Clarion portal site, "MyClarion."

This information hub is packed full of great contents like software updates, music downloads, partner site links and more!

<http://my.clarion.com>



Package contents



Accessories

NK1U Car Dock

With ClarionMiND docked into the NK1U, you will receive traffic information via FM-TMC, hear voice guidance from your car speakers and get automatic day/night screen switching. A lifetime subscription to FM-TMC is included so that you can enjoy this convenient feature with no extra cost.

PQE-166 Large Battery

The Large Battery extends operating time to as much as 4.5 hours.



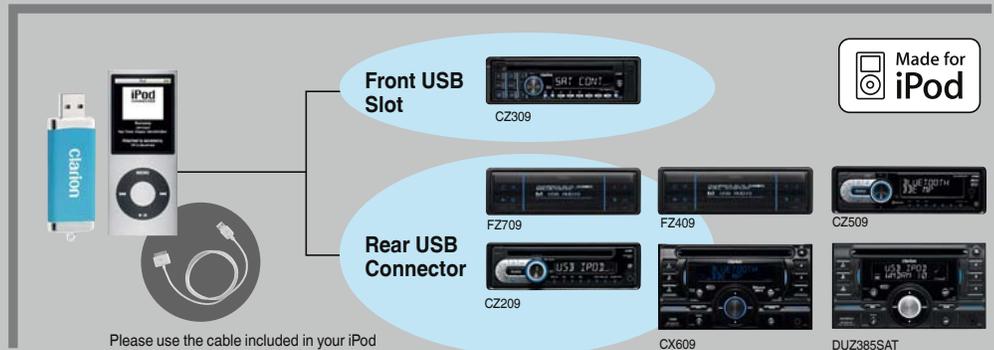
SOURCE UNITS

Driven by The Next Generation

Developing next-generation solutions to offer a new level of satisfaction. That's the motivation that keeps moving us forward. Clarion's newest line of source units bring the quality and integration benefits of cutting-edge digital technologies into your car, at high speed.

Direct USB iPod Control

No adapter box required. Just connect the USB cable that's included with your iPod to the Clarion source unit's USB input and you get complete control of your iPod including genre/album/song title search using iPod's control wheel. And if you ever find you've reached a particular menu by mistake, this year's improved interface will easily let you back out of the current menu to quickly get you back on track. FZ709/FZ409 even support iPod Video playback using the optional CCA-723 and only when paired with an RCA video input monitor.



Built-in Bluetooth® Interface

Connect with various devices such as mobile phones, PDAs and MP3 Players via the unit's built-in wireless Bluetooth interface. Supports popular Bluetooth profiles including A2DP/AVRCP for audio streaming and HFP/OPP for hands-free operation, so you can easily communicate and stream your favorite digital music to your vehicle's audio system. Wired microphone is included in Bluetooth Built in products (CX609, FZ709/CZ509), while Bluetooth is available optionally* for CZ309/FZ409/CZ209/CZ109/DUZ385SAT.

*Requires optional BLT370 (supports HSP/HFP/A2DP/AVRCP).



Built-in Bluetooth



Bluetooth Interface Ready (Optional BLT370)



USB Digital Media Streaming

With a USB terminal on the rear (CX609/CZ509/DUZ385SAT) or front (CZ309) of the unit, these Source Units accommodate playback of Windows® Media DRM10 files for music purchased from online music services in addition to WMA/MP3/AAC files you've ripped from CDs. They also accommodate files copyright-protected with WMDRM10. To stream music, a portable audio player compatible with USB media streaming is required. (Sold separately.)



MP3

WMA

WMDRM 10
AAC

SAT Ready



SIRIUS
READY

((XM))
Ready

By connecting a Clarion CLA-SC1 and SiriusConnect™ Tuner, or an XM Mini Tuner with the XM Direct 2 interface, you can add over 130 channels of Satellite Radio to your SAT RADIO READY Source Units, while CX609 and DUZ385SAT can be directly connected to XM Mini Tuner. SIRIUS or XM Tuner and applicable subscription required.

Now for the first time add



©2008 SIRIUS XM Radio Inc. "SIRIUS", "The Best Radio on Radio", the SIRIUS logos, channel names and logos and related marks are trademarks of SIRIUS XM Radio Inc. The XM name and related logo are trademarks of XM Satellite Radio Inc. All other trademarks, service marks, and logos are the property of their respective owners. All rights reserved.



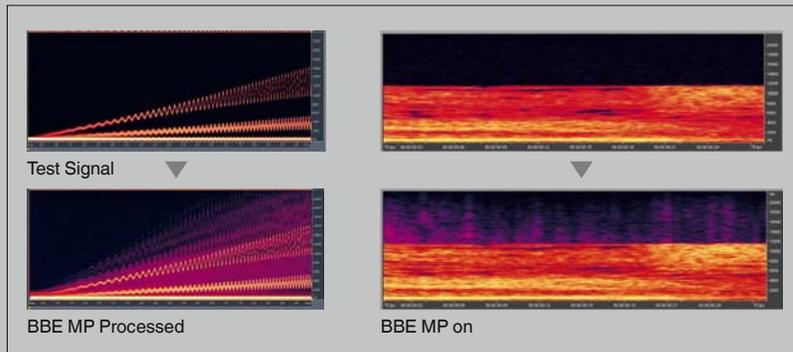
BBE® MP for Better Sounding MP3/WMA/AAC Files



BBE MP (Minimized Polynomial Non-Linear Saturation) Process improves digitally compressed sound such as MP3/WMA/AAC by restoring the harmonics that are lost through compression, thereby reproducing the warmth, details and nuances that you would otherwise miss. BBE MP enhanced harmonics even serve to make regular CDs sound better. (CX609/CZ509/FZ709/FZ409/CMV1/CMD6/M309)

- Manufactured under license from BBE Sound, Inc.
- Licensed by BBE Sound, Inc. under one or more of the following US patents : 5510752, 5736897. BBE and BBE symbol are registered trademarks of BBE Sound, Inc.

• BBE MP Process



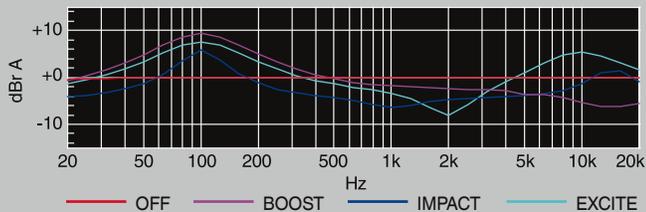
• This Diagram shows only image for function of BBE MP

BeatEQ for User Customizable Sound

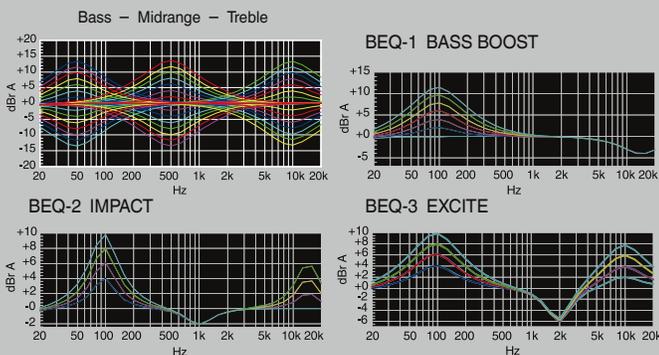


In addition to providing 3 preset equalization patterns — BASS BOOST, IMPACT, and EXCITE — Clarion's BeatEQ even lets you freely customize the level and range of the bass, midrange and treble portions of each pattern. You can tune the sound to your liking, depending on the category of music, for a more fulfilling listening experience. (CX609/CZ509/FZ709/FZ409)

Audio Precision



Audio Precision



Next-Generation Function and Form



FZ709/FZ409 represent Clarion's idea of next-generation design and performance. The OEL display as well as capacitive sensor operation buttons provide an advanced user-interface, resulting from our continuous quest for the ideal H.M.I. (Human Machine Interface). In terms of sound and connectivity, they promise to satisfy even the most discerning user.



SOURCE UNITS



SPACEWALK YOUR SENSES THROUGH SOUND

Suddenly you're in space. Filled with dimensionality and presence, punctuated by glimmering illumination like the night sky. But unlike outer space, it's filled with vivid sound, rich in tonality and ready to take your senses on a marvelous journey. Experience sonic and spatial freedom with Clarion's new "space design".

01 Intuitive Design and H.M.I.

FZ709/FZ409 simplify operation so that now it is just a matter of touching a few iconized illuminated capacitive sensor buttons. This is an example of the intuitive H.M.I. design that minimizes the number of buttons while maximizing functionality. Since only relevant button icons appear for the task at hand, button-hunting is eliminated and access is more direct and responsive.

02 Unique Concept for Cutting-Edge Style

FZ709/FZ409 are a crystallization of some of the most advanced technologies in car entertainment today. The screen uses an OEL (Organic Electro-luminescence) display to deliver images smooth as silk while saving space. Combined with advanced design, this technology is one of the ways that Clarion is taking car entertainment to the next generation.

03 Connectivity and Functions

Far above and beyond the norm, FZ709/FZ409 provides USB connectivity with iPod for audio as well as video.* In addition to enjoying your favorite tunes stored on iPod while you drive, you can also entertain your passengers with the video content you're carrying around. And to allow these source units to integrate into a wide range of systems, they are equipped with 6-channel preouts.

* iPod Video can be viewed by connecting FZ709/FZ409 to an external monitor with RCA video input and connecting appropriate iPod via optional CCA-723 cable.



Designing Your Entertainment with Wireless Communication



Microphone



Built-in Bluetooth® (FZ709)

Connect with various devices such as mobile phones, PDAs and MP3 Players via the unit's built-in wireless Bluetooth interface. Supports popular Bluetooth profiles including A2DP/AVRCP for audio streaming and HFP/OPP for hands-free operation, so you can easily communicate and listen to your favorite music to your vehicle's audio system. Wired microphone is supplied for crystal clear telephony.



(Remote Control)

FZ709

Bluetooth USB/MP3/WMA/AAC Receiver with CeNET Control



CEA 2006 Power Ratings
18W x 4RMS (4Ω @ 14.4V ±1% THD+N)
S/N 87dB (Ref: 1W into 4Ω)

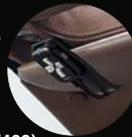


Touch Sensor Operation

Bluetooth Audio Interface (FZ409)

Keep your cell phone or Bluetooth Audio enabled playback device safe and sound in your pocket or purse while enjoying crystal-clear sound through optional BLT370 Bluetooth transceiver.

BLT370



Making the Most of Your Musical Potential



(Remote Control)

FZ409

USB/MP3/WMA/AAC Receiver with CeNET Control



CEA 2006 Power Ratings
18W x 4RMS (4Ω @ 14.4V ±1% THD+N)
S/N 87dB (Ref: 1W into 4Ω)

FZ709 / FZ409 FEATURES

- Built-in Bluetooth® Hands-free (HFP & OPP) and Audio Streaming (A2DP & AVRCP) (Only for FZ709)
- MP3, WMA and iTunes® AAC Compatible with ID3-TAG Display
- 18 FM/ 6 AM Presets
- USB Audio for iPod (Rear)
- 3.5mm Aux Input (Rear)
- Subwoofer Control
- 24-Bit D/A Converter
- BBE MP for Compressed Audio Sound Improvement
- Beat EQ for Sound Adjustment
- Built-in LPF/HPF
- Touch Sensor Operation
- Full Dot OEL Display
- SAT Ready
- 6ch/4V RCA Output (Only for FZ709)
- 6ch/2V RCA Output (Only for FZ409)
- 50W x 4 Built-in Amplifier
- OEM Steering Wheel Remote Ready
- Remote Control Included
- iPod Video Ready (Optional CCA723 required)



• Bluetooth Ready: Only for FZ409



SOURCE UNITS

Direct USB iPod Control and USB Audio Streaming

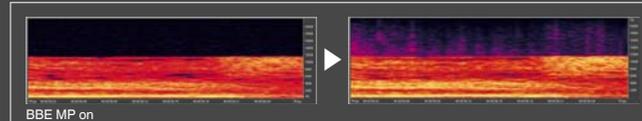
No adapter box required. Just connect the USB cable that's included with your iPod to the Clarion source unit's rear USB input and you get complete control



of your iPod including genre/album/song title search using iPod's control wheel, with high quality sound reproduction through the car speakers. The same connection can also be used to play back audio files stored on USB memory.

* To connect iPod, please use the USB cable included in your iPod.
* Please see the Clarion website for iPod models that can be connected.

BBE MP Process



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* This Diagram shows only image for function of BBE MP

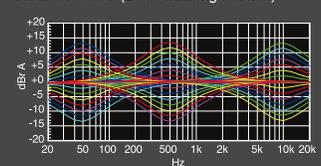
BBE® MP for Better Sounding MP3/WMA/AAC Files

BBE MP (Minimized Polynomial Non-Linear Saturation) Process improves digitally compressed sound such as MP3/WMA/AAC by restoring the harmonics that are lost through compression, thereby reproducing the warmth, details and nuances that you would otherwise miss. BBE MP enhanced harmonics even serve to make regular CDs sound better. (CX609/FZ709/CZ509/FZ409)

Beat EQ for User Customizable Sound

In addition to providing 3 preset equalization patterns — BASS BOOST, IMPACT, and EXCITE — Clarion's BeatEQ even lets you freely customize the level and range of the bass, midrange and treble portions of each pattern. You can tune the sound to your liking, depending on the category of music, for a more fulfilling listening experience.

Audio Precision (Bass Midrange Treble)



Uniquely Curved Design,
Straightforward High Performance.



SOURCE UNITS

CZ509
Bluetooth CD/USB/MP3/WMA/AAC
Receiver with CeNET Control



- CD-DA/CD-R/RW Ready
- Built-in Bluetooth® Hands-free (HFP & OPP) and Audio Streaming (A2DP & AVRCP)
- MP3, WMA and iTunes® AAC Compatible with ID3-TAG Display
- USB Digital Media Streaming Capability
- 18 FM/ 6 AM Presets
- USB Audio for iPod (Rear)
- Front 3.5mm Aux Input
- Subwoofer Volume Control
- BBE MP for Compressed Audio Sound Improvement
- Beat EQ for Sound Adjustment
- Built-in LPF/HPF
- Flip-down Control Panel
- 13 x 10 2-Line High Visibility LCD
- Large and Easy to Operate Rotary Volume
- SAT Ready
- 6ch RCA Output
- 50W x 4 Built-in Amplifier
- OEM Steering Wheel Remote Ready
- Detachable Control Panel
- Handsfree Microphone Included
- Remote Control Included



Rear USB for Direct iPod Control

Just connect the USB cable that's included with your iPod to the CZ509's rear USB input and you get complete control of your iPod including genre/album/song title browsing, complete with iPod ABC Search convenience. The functions of iPod's control wheel are emulated on the source unit's control dial, so virtually the same operations are possible from both the iPod or the source unit. The tunes you love to carry can be enjoyed seamlessly in your car.

* To connect iPod, please use the cable included in your iPod.
* Please see the Clarion website for iPod models that can be connected.

iPod ABC Search

Press and hold the [DISP] button (1 sec.).



BBE® MP for Better Sounding MP3/WMA/AAC Files

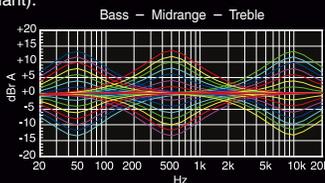
BBE MP (Minimized Polynomial Non-Linear Saturation) Process improves digitally compressed sound such as MP3/WMA/AAC by restoring the harmonics that are lost through compression, thereby reproducing the warmth, details and nuances that you would otherwise miss. BBE MP enhanced harmonics even serve to make regular CDs sound better.

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Beat EQ for User Customizable Sound

In addition to providing 3 preset equalization patterns — BASS BOOST, IMPACT, and EXCITE — Clarion's BeatEQ even lets you freely customize the level and range of the bass, midrange and treble portions of each pattern. You can tune the sound to your liking, depending on the category of music, for a more fulfilling listening experience. (A2DP/AVRCP compliant).

Audio Precision



Integration and Innovation Are Your Source of Satisfaction.



CZ309

CD/USB/MP3/WMA/AAC Receiver with CeNET Control

Front USB enables connection of iPod and USB memory devices.



Front AUX input for connection of portable audio player or other equipment.



CEA 2006 Power Ratings
20W x 4 RMS (4Ω@14.4V±1% THD+N)
S/N 90dB (Ref: 1W into 4Ω)

CZ309 FEATURES

- CD-DA/CD-R/RW Ready • MP3, WMA and iTunes® AAC Compatible with ID3-TAG Display • USB Digital Media Streaming Capability • 18 FM/ 6 AM Presets • USB Audio for iPod • Front USB Slot • Front 3.5mm AUX Input • Subwoofer Volume Control • Z-Enhancer Plus Sound Customization • MAGNA BASS EX dynamic bass enhancement • Built-in LPF/HPF • High Visibility Single Line Display with Screensavers • Rotary Volume with Anti-slip design • SAT Ready • 6ch RCA Output • 50W x 4 Built-in Amplifier • OEM Steering Wheel Remote Ready • Bluetooth® Interface Ready (Optional BLT370) • Detachable ControlPanel • Remote Control Included

Front USB for Direct iPod Control

No adapter box or interface cable required. Just connect the USB cable included with your iPod to the CZ309's front USB input for battery charging and complete control of your iPod.

* To connect iPod, please use the USB cable included in your iPod.
* Please see the Clarion website for iPod models that can be connected.

Front AUX Input

With an AUX input on the front panel, it's easy to plug-in a portable audio device or portable satellite radio for instantaneous enjoyment.

Built-in High Pass/Low Pass Crossovers

Crossover settings of 50Hz, 80Hz and 120Hz are available, letting you optimize the signal for high or low frequency reproduction when a subwoofer or tweeters are part of the system.

SOURCE UNITS



CZ209

CD/USB/MP3/WMA Receiver



CZ109

CD/MP3/WMA Receiver

Remote control

CZ209 / CZ109 FEATURES

- CD-DA/CD-R/RW Ready • MP3 and WMA Compatible with ID3-TAG Display • 18 FM/ 6 AM Presets • USB Audio for iPod (Only for CZ209) • Rear USB Connector (Only for CZ209) • Front 3.5mm AUX Input • Z-Enhancer Plus Sound Customization • MAGNA BASS EX dynamic bass enhancement • High Visibility Single Line Display with Screensavers • Easy to operate Rotary Volume • Non Fader Volume Control • 4ch RCA Output (Front+ Non-Fade) • 50W x 4 Built-in Amplifier • OEM Steering Wheel Remote Ready • Bluetooth Interface Ready (Optional BLT370) • Detachable Control Panel • Remote Control Included



Rear USB enables connection of iPod and USB memory devices. (Only for CZ209)

Magna Bass EX

This circuit boosts bass at an ultra-low frequency of About 50Hz, creating a rich, deep, defined bass rather than the muddy, booming bass of a standard loudness control. What's more, boost levels are dependent on the system volume, resulting in balanced system response and dynamic bass reproduction.



CEA 2006 Power Ratings
20W x 4 RMS (4Ω@14.4V±1% THD+N)
S/N 88dB (Ref: 1W into 4Ω)



• USB: Only for CZ209
• Made for iPod:
Only for CZ209

Two Double-DIN Models Ready to Deliver.

From their symmetric design with large rotary volume control, to the illumination-accented dark color scheme, these 2-DIN source units provide dynamic looks that blend into your car's interior, in a spacious layout that will make them a pleasure to use, see and hear.



CX609

2-DIN Bluetooth CD/USB/MP3/WMA/AAC Receiver with CeNET Control



CEA 2006 Power Ratings
22W x 4RMS (4Ω @ 14.4V ±1% THD+N)
S/N 90dB (Ref: 1W into 4Ω)

- CD-DA/CD-R/RW Ready • Built-in Bluetooth® Hands-free (HFP & OPP) and Audio Streaming (A2DP & AVRCP) • MP3, WMA and iTunes® AAC Compatible with ID3-TAG Display • USB Digital Media Streaming Capability • 18 FM/ 6 AM Presets • USB Audio for iPod (Rear) • Front 3.5mm Aux Input • Subwoofer Volume Control • BBE MP for Compressed Audio Sound Improvement • Beat EQ for Sound Adjustment • Built-in LPF/HPF • 728-variable Color Display & Illuminated Keys • 13 x 10 2-Line High Visibility LCD • SAT Ready • 4ch RCA Output (F+R/SW) • 50W x 4 Built-in Amplifier • Sirius Satellite Radio Ready • XM Mini-Tuner Direct • OEM Steering Wheel Remote Ready • Handsfree Microphone Included • Remote Control Included

Remote control



728 Variable-Color Illumination
You're free to select the exact color you want, to match your car's instrument panel or match your mood today.

SOURCE UNITS

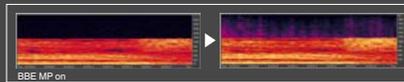
Built-in Bluetooth®

For wireless connection with mobile phones, PDAs and MP3 Players. Supports Bluetooth profiles A2DP/AVRCP for audio streaming and HFP/OPP for hands-free operation, so you can easily communicate and transfer digital music to your vehicle's audio system. A wired microphone is also supplied.

BBE® MP (Minimized Polynomial Non-Linear Saturation)

By restoring the harmonics that are lost during digital compression of the MP3 and WMA audio files, BBE MP reproduces the warmth, details and nuances of sound that you would otherwise miss. Effective for digital audio files and CDs.

BBE MP Process

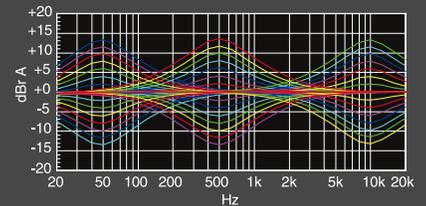


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Beat EQ with Parametric Equalization

In addition to providing 3 preset equalization patterns, BeatEQ even lets you freely customize the level and range of the bass, midrange and treble portions of each pattern with a 3-band parametric equalizer.

Audio Precision (Bass Midrange Treble)



Rear USB for Direct iPod Control

Just connect the USB cable that's included with your iPod to the rear USB input to control your iPod from the source unit. For the CX609 that includes genre/album/song title search using iPod's control wheel.

- * To connect iPod, please use the USB cable included in your iPod.
- * Please see the Clarion website for iPod models that can be connected.



Built-in Bluetooth for hands-free calling and music streaming.



iPod USB Direct for playback through USB cable included in your iPod.



USB Connector even supports playback of WMA/MP3/AAC files.



Front AUX Input for connection of portable audio player or other equipment.

DU385SAT

CD/USB/MP3/WMA/AAC Receiver with CeNET Control

CEA 2006 Power Ratings
20W x 4RMS (4Ω @ 14.4V ±1% THD+N)
S/N 90dB (Ref: 1W into 4Ω)



Direct USB iPod Control

(Optional)



- CD-DA/CD-R/RW Ready • Rear USB Connector • MP3, WMA and iTunes® AAC Compatible with ID3-TAG Display • USB Digital Media Streaming Capability • 13 x 10 Digital 2-Line High Visibility LCD • White Color Display and Illuminated Keys • Z-Enhancer Plus sound customization • MAGNABASS EX dynamic bass enhancement • USB Audio for iPod (Rear) • SAT Ready • Bluetooth Interface Ready (Optional BLT370) • 4ch/2V RCA Output (Front + Rear) • 50W x 4 Built-in Amplifier • Sirius interface box (CLA-SC1) Ready • XM Mini-Tuner Direct • OEM Steering Wheel Remote Ready • Built-in IR Eye (RCB176 Remote Optional)

* To connect iPod, please use the USB cable included in your iPod. * Please see the Clarion website for iPod models that can be connected.



Bluetooth® & Mobile-phone

Use Bluetooth compatible mobile phones for hands-free use as well as play streaming audio through your vehicle's audio system. Connecting wirelessly with mobile phones that utilize Bluetooth profiles (A2DP, AVRCP, HSP, and HFP) has never been simpler, and Clarion delivers the connection.



BLT370

Bluetooth Transceiver

Bluetooth Profile : Headset Profile (HSP), Hands-free Profile (HFP), Advanced Audio Distribution Profile (A2DP), Audio Video Remote Control Profile (AVRCP)



Bluetooth Interface with Hands-free calling and Audio Streaming capability.



MULTIMEDIA

NX509 VZ509 VX409 VZ409

SOURCE UNITS

FZ409 CZ309 CZ209 CZ109

DUZ385SAT

MARINE AUDIO

CMV1 CMD6 M309 M109

Performance with Signal Processing Units

CLA-SC1

CeNET Sirius Translator

Easily connect and control via your CeNET cable with the Sirius Connect® vehicle tuner (SC-C1) or dock with some portable Sirius tuner. Clarion now makes connecting to Sirius Satellite radio simple and easy.



EQ5746

1/2-DIN Graphic EQ/crossover

- 7-Band Graphic Equalizer • 6-Channel / 7 Volt RCA Outputs (Front/Rear/Subwoofer)
- Adjustable Master Volume Level Control • Adjustable Subwoofer Level Control
- 2 ch RCA AUX Input with Adjustable Gain • Selectable 12dB Low Pass Crossover (60Hz or 90Hz)
- Gold Plated Terminals • Dimensions: 7"(W) x 1"(H) x 4"(D)



MCD360

3-way Electronic Crossover

- 2/4/6 ch Input • 6 ch / 5 Volt RCA Outputs (Front/Rear/Subwoofer) • Front/Rear/ Subwoofer Level Control • Subwoofer Equalizer and Boost Level Controls • High Pass Crossover Frequency Multiplier • Remote Subwoofer Level Control (Included)
- Gold Plated Terminals
- Dimensions: 6"(W) x 3/4"(H) x 7"(D)



OPTIONAL ACCESSORIES

RCB176
Remote Control
for 2009/2008
Source Unit



CCAUX
RCA/3.5mm
AUX Input Cable



CCUSB
USB Extension
Cable



Note: The trademark and the Bluetooth logo® are owned by the Bluetooth® SIG, Inc. and any utilization of these trademarks by Clarion is carried out under license. The other trademarks and commercial names are the property of their respective owners.

ACCESSORIES

MARINE AUDIO SYSTEMS

MARINE SOURCE UNIT ■ REMOTE CONTROL ■ AMPLIFIER ■ SPEAKER ■ CD CHANGER ■ SOURCE COMMANDER

Sound You Can Sea

Get your boat rocking, with the great looks and sound of Clarion's watertight heavy-duty source units and components. Engineered to take on the spray, salt and fog, and just keep going. With innovative functions you'd expect from Clarion. Make your next cruise a real splash, and enjoy knots and knots of nautical entertainment.

Engineered to Withstand Water and Salt

Water is a marine source unit's world enemy, and salt can be a nightmare. Our CMV1/CMD6 source units have been IPX5 tested and certified to offer the highest water intrusion protection and salt resistance. Rubber gaskets stop water in its tracks, with integrated drainage channels to keep water out.



Stainless Steel for Toughness on the Inside

Should any water get behind the panel, the stainless steel chassis, along with an integrated drip shield over the main harness connector, helps protect internal circuitry from the effects of moisture, corrosion and mildew.



Digital Video — The Newest Wave in Marine Entertainment

MARINE AUDIO SYSTEMS



(Remote Control)

CMV1 Watertight Marine DVD/CD/USB Receiver / CeNET Control



- DVD-Video/DVD±R/DVD±RW/CD-DA/CD-R/RW and DivX® Ready • MP3, WMA and iTunes® AAC Compatible with ID3-TAG Display • Official DivX Certified product • Plays all versions of DivX video (including DivX 6) with standard playback of DivX media files • 18 FM/ 6 AM Presets • USB Audio for iPod (Rear) • 24-Bit D/A Converter • BBE MP for Compressed Audio Sound Improvement • Watertight Flip-down control panel with 3.5-inch TFT Color LCD Monitor • SAT Ready • 6ch RCA Audio Output, and 2 Video Outputs • RCA Video Input • 50W x 4 Built-in Amplifier • Built-in IR Eye • Bluetooth® Interface Ready (Optional BLT370) • Meets ASTM B117 <Salt/Fog Exposure> • Meets ASTM D4329 <UV Exposure> • HumiSeal Coated PCB • Sealed Stainless Steel Chassis • iPod Video Control (Optional CCA723) • Fixed Audio Output • New Wired Remote Control (Optional MW1/2) Ready • Sirius SSP Direct Connection • XM Satellite Radio Ready • Wireless Remote Included

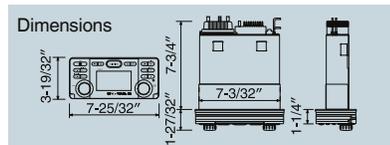
3.5" Monitor for Comfortable Viewing

The large 3.5" monitor allows easy viewing of a variety of digital audio/video sources. Playback and enjoy DVDs, DivX encoded discs, as well as iPod Video. Enjoy the latest wave in marine entertainment — the same digital sources you like to enjoy on land!

* To connect iPod, please use the USB cable included in your iPod. For video playback, optional CCA723 cable required. Please see the Clarion website for iPod models that can be connected.

Comprehensive Audio and Video Entertainment

CMV1 is Clarion's first model in the marine category to offer visual entertainment capabilities. It is compatible with a wide array of formats such as DVD and DivX for audiovisual, and WMA/AAC and MP3 for your audio pleasure. It's able to offer a comprehensive AV entertainment experience.



24-bit D/A Converter for Richer Natural Sound

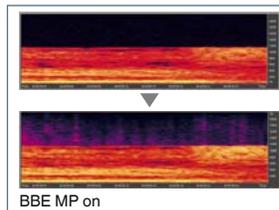
Whereas the digital realm is made up of unnaturally square sound waves, Clarion's 24-bit D/A converter takes digital signals and recreates the smoothly undulating sound waves characteristic of the real-world environment.

BBE® MP for Better Sounding MP3/WMA/AAC Files

BBE MP (Minimized Polynomial Non-Linear Saturation) Process improves digitally compressed sound such as MP3/WMA/AAC by restoring the harmonics that are lost through compression, thereby reproducing the warmth, details and nuances that you would otherwise miss. BBE MP enhanced harmonics even serve to make regular CDs sound better.

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• Licensed by BBE Sound, Inc. under one or more of the following US patents: 5510752, 5736897. BBE and BBE symbol are registered trademarks of BBE Sound, Inc.

•BBE MP Process



* This Diagram shows only image for function of BBE MP

Bluetooth® Interface

Keep your cell phone or Bluetooth Audio enabled playback device safe and sound in your pocket or purse while enjoying crystal-clear sound through the optional BLT370 Bluetooth transceiver.



Watertight Flip-down Face reveals loading slot for CD and DVD playback.



Direct USB connection for iPod Audio.



USB Connector even supports playback of WMA/MP3/AAC files.

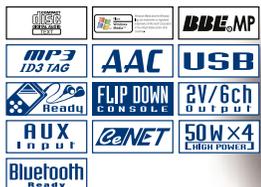


6ch Output for superior system expandability and versatility.

Go Off Shore but Stay In Touch with Your Music

CMD6

Watertight Marine CD/USB Receiver with CeNET Control



CEA 2006 Power Ratings
21W x 4 RMS (4Ω) @ 14.4V ≤ 1% THD+N
S/N 91dB (Ref: 1W into 4Ω)



MARINE AUDIO SYSTEMS

- CD-DA/CD-R/RW Ready • MP3, WMA and iTunes® AAC Compatible with ID3-TAG Display • USB Digital Media Streaming Capability • 18 FM/ 6 AM Presets • USB Audio for iPod (Rear) • BBE MP for Compressed Audio Sound Improvement • Watertight Flip-down control panel • 13 x 10 2-Line High Visibility LCD • SAT Ready • 6ch RCA Output • 2 sets of RCA Auxiliary Inputs with Level Control • 50W x 4 Built-in Amplifier • Built-in IR Eye • Bluetooth® Interface Ready (Optional BLT370) • Meets ASTM B117 <Salt/Fog Exposure> • Meets ASTM D4329 <UV Exposure> • HumiSeal Coated PCB • Sealed Stainless Steel Chassis • Fixed Audio Output • New Wired Remote Control (Optional MW1/2) Ready • Sirius Direct Connection • XM Satellite Radio Ready • Wireless Remote Included

Direct USB iPod Control and USB Audio Streaming

Get away from it all, but stay in touch with your music. Just connect your iPod's USB cable to CMD6's rear USB input and you get complete key control of your iPod including genre/album/song title search and also you can use iPod's control wheel (simple control mode). The same connection can also be used to play back audio files stored on USB memory, compatible with WMDRM10 protected file support.

- To connect iPod, please use the USB cable attached to iPod.
- Please see the Clarion website for iPod models that can be connected.
- Requires a portable audio player that supports USB digital media streaming.



With the CMD6, you can fully control your USB-connected iPod via wired Marine Remote Control (optional).



Flip-down Face reveals loading slot for CD playback.

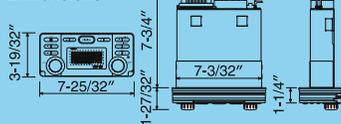
Rear AUX Inputs

With two sets of AUX input on the rear panel, you can connect to other external audio sources and enjoy your favorite music.

BBE® MP for Better Sounding MP3/WMA/AAC Files

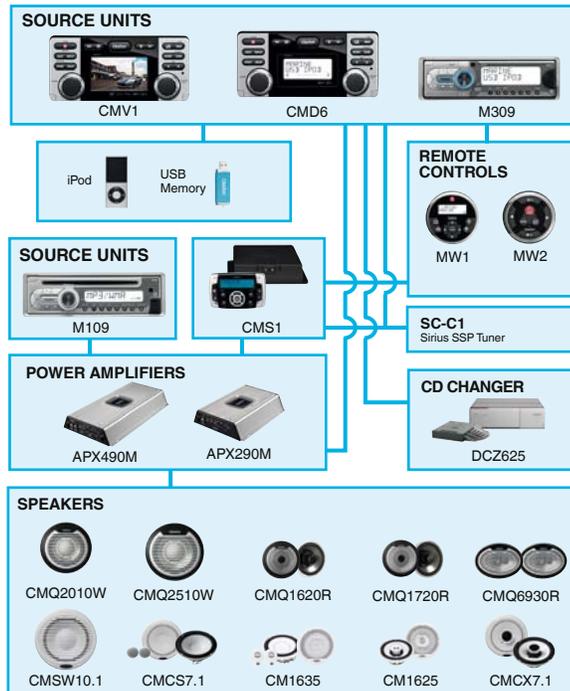
BBE MP (Minimized Polynomial Non-Linear Saturation) Process improves digitally compressed sound such as MP3/WMA/AAC by restoring the harmonics that are lost through compression, thereby reproducing the warmth, details and nuances that you would otherwise miss. BBE MP enhanced harmonics even serve to make regular CDs sound better.

Dimensions



USB Connector even supports playback of WMA/MP3/AAC files.

MARINE AUDIO SYSTEM



System Control from Anywhere Onboard

With Clarion's new watertight, wired remote controls, command of your system is always just an arms-reach away. Up to three can be installed. LCD-equipped models will even let you see iPod song titles and artist information.



MW1
Watertight Marine Remote Control with LCD for CMV1, CMD6 & M309



MW2
Watertight Marine Remote Control for CMV1, CMD6 & M309

CCA AUX
RCA/3.5mm AUX Input Cable



CCA USB
USB Extension Cable



MWRXCRET
25' Marine Remote Extension Cable for MW1/2



MWRYCRET
Remote Y-Cable for MW1/2



Essential Functions and Quality with Added Reliability



M309

Marine CD/USB Receiver
with CeNET Control



CEA 2006 Power Ratings
21W x 4 RMS (4Ω@14.4V±1% THD+N)
S/N 91dB (Ref: 1W into 4Ω)

- CD-DA/CD-R/RW Ready • MP3, WMA and iTunes® AAC Compatible with ID3-TAG Display • USB Digital Media Streaming Capability • 18 FM/ 6 AM Presets • USB Audio for iPod (Rear) • Front 3.5mm & Rear Aux Inputs with Level Control • BBE MP for Compressed Audio Sound Improvement • 13 x 10 2-Line High Visibility LCD • SAT Ready • 6ch RCA Output • 50W x 4 Built-in Amplifier • Built-in IR Eye • Bluetooth® Interface Ready (Optional BLT370) • Meets ASTM B117 <Salt/Fog Exposure> • Meets ASTM D4329 <UV Exposure> • HumiSeal Coated PCB • Sealed Stainless Steel Chassis • Detachable Control Panel and Case • Fixed Audio Output • New Wired Remote Control (Optional MW1/2) Ready • Sirius Direct Connection • XM Satellite Radio Ready • Wireless Remote Included



U-Curved Design with smartly clustered controls for functionality and style.



Splashproof Body Keeps the Music Rolling



Water-resistant design and materials offer high protection against water intrusion. Internal parts are also designed to resist the effects of corrosion.

Direct USB iPod Control and USB Audio Streaming

Connect your iPod's USB cable to M309's rear USB input and you get complete key control of your iPod including genre/album/song title search and also you can use iPod's control wheel (simple control mode). Playback of audio files stored on USB memory is also possible.

BBE® MP for Better Sounding MP3/WMA/AAC Files

BBE MP (Minimized Polynomial Non-Linear Saturation) Process improves digitally compressed sound such as MP3/WMA/AAC by restoring the harmonics that are lost through compression, thereby reproducing the warmth, details and nuances that you would otherwise miss. BBE MP enhanced harmonics even serve to make regular CDs sound better.



With the M309, you can fully control your USB-connected iPod via wired Marine Remote Control (optional MW1/2 Required).



Front AUX Input for connection of portable audio player or other equipment.



USB Connector even supports playback of WMA/MP3/AAC files.



6ch Output for superior system expandability and versatility.

MARINE AUDIO SYSTEMS

M109

Marine CD Receiver



CEA 2006 Power Ratings
20W x 4 RMS (4Ω@14.4V±1% THD+N)
S/N 88dB (Ref: 1W into 4Ω)

- CD-DA/CD-R/RW Ready • MP3 and WMA compatible with ID3-TAG Display • 18 FM/ 6 AM Presets • Front 3.5mm Aux Input with Level Control • Z-Enhancer Plus Sound Customization • MAGNA BASS EX Dynamic Bass Enhancement • 13 x 8 High Visibility LCD • 4ch RCA Output (Front+Non Fade) • 50W x 4 Built-in Amplifier • Bluetooth® Interface Ready (Optional BLT370) • Built-in IR Eye (Wireless Remote: RCB176 is Optional) • Meets ASTM D4329 <UV Exposure> • HumiSeal Coated PCB • Detachable Control Panel and Case

Z-Enhancer Plus

Three bands of equalization boost (low, high, or both) along with 2 bands of parametric equalization enable sound adjustments with more flexibility than basic Bass and Treble.

Magna Bass EX

Boosts bass at an ultra-low frequency of 50Hz, creating a rich, deep, defined bass rather than the muddy, booming bass of a standard loudness control.

Front AUX Input for Convenient Connection



With AUX input connectors right on the front of the unit, it's extremely easy to hook-up an external audio source for enjoyment through your boat's audio system.



Hideaway Source Unit for Heightened Protection

Clarion's CMS1 is like a source unit and a hub, all rolled into one "black box". The essentials including AM/FM/Weather Band radio are built in, and with a wide variety of connections including USB and iPod you can easily create a system that's customized to your exact needs.



CMS1

Marine Mechanism-less Source Unit



- MP3, WMA Compatible with ID3-TAG Display
- 6 FM/ 6 AM Presets & Weather Band Tuner • Rear USB Connector • Direct iPod Audio Interface and Control (Optional CCUIPOD1 Required) • Sirius SSP Direct Connection • RCA Jack & Harness Terminal in Gold Plated • 40W x 4 Built-in Amplifier
- Wired Remote Ready (Optional MW1/2) • Meets ASTM B117 <Salt/Fog Exposure> • Meets ASTM B117 <Salt/Fog Exposure> • Commander Waterproof (IPX6) • Water Resistance Chassis • HumiSeal Coated PCB

Direct iPod Interface and Control

When you set sail for your next cruise, you'll probably want to keep enjoying your favorite tunes. With your iPod connected to CMS1's rear iPod input (Optional CCUIPOD1 required), you get control of most of your iPod's functions with audio heard through your on-board speaker system. With CMS1, your musical enjoyment is seamless.

USB for MP3/WMA Playback

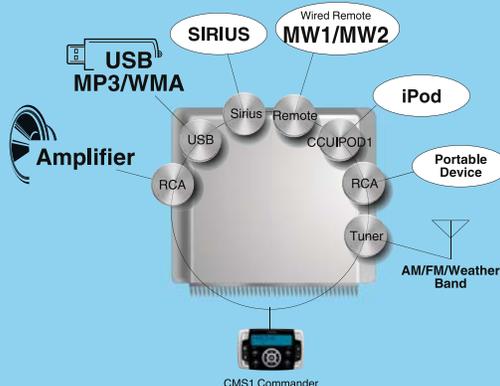
The USB slot on the black box unit accommodates playback of MP3 files you've ripped from CDs and stored on a USB Memory or portable USB MP3/WMA player. (Sold separately.)

Sirius SSP Ready

You can hook-up a Sirius Satellite Radio receiver to the exclusive Sirius interface on the back of the unit. Or, if you have a portable Sat Radio, you can listen to it through the AUX input.

Superior Expandability to Create Your Ideal System

CMS1 was designed to offer maximum protection combined with maximum enjoyment of today's audio sources. It's made to link — with USB, iPod interface, AUX in RCA jacks, Sirius interface, and more, built-in. Attach what you like and create a customized system; whatever music sources you like to enjoy on land can be equally enjoyed at sea.



Watertight Mechanism-less Commander

With the CMS1 black box unit installed in a water-protected area, you can control everything from the wired watertight commander unit. Its simple design is void of any mechanisms to maximize reliability. Its backlit display with large characters provide easy recognition for various functions, and silicone keys help to enhance durability and resistance to the elements.



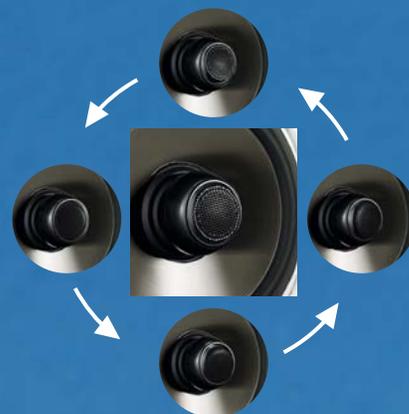
QUALITY SPEAKER TECHNOLOGY

Made For Lasting Performance

Clarion marine speakers are designed to deliver high quality sound, and keep on delivering it in punishing environments. That is why these speakers and subwoofers are equipped with rubber surrounds and subwoofers are equipped with rubber surrounds for superior sonic response, created using Sanoprene rubber material for superior water, salt and UV resistance. Highly durable baskets, grills that provide excellent weather resistance as well as great looks, corrosion-resistant gold-plated terminals... and the list goes on. On the seas, Clarion is your assurance of performance and reliability.

Variable Angle Tweeters

Being on the water is no excuse for second rate sound. That's why Clarion offers high-performance marine speakers that offer the water-resistance and durability you need, plus audiophile-pleasing features such as variable-angle tweeters. With the tweeter angle freely adjustable, you can more precisely create the soundscape you want in a wider variety of on-board installations. Unlike the insular, restricted space of a car, the boat has an open-air environment with special requirements... Clarion has you covered with advanced materials and design.



MARINE SOUND SYSTEM



Everything You Need to Make Serious Waves

Clarion invented the Marine Audio category and no one does it better. That's why you can count on us as your singular source for a complete marine sound system, including speakers, amps, subwoofers and disc changers. Turn your pleasure boat into party central. With Clarion, the possibilities are sounding better all the time.

SUBWOOFERS

Input MAX
200W

CMQ2010W
8" Water Resistant
Performance Series
Subwoofer

CEA-2031 Speaker Rating
Maximum RMS Power: 35 watts
Impedance: 4 ohms



Input MAX
300W

CMQ2510W
10" Water Resistant
Performance Series
Subwoofer

CEA-2031 Speaker Rating
Maximum RMS Power: 35 watts
Impedance: 4 ohms



QUALITY SPEAKERS

CMQ1620R
6.5" Water Resistant
Performance Series
Coaxial Speaker

Input MAX
100W

CEA-2031 Speaker Rating
Maximum RMS Power: 35 watts
Impedance: 4 ohms



CMQ1720R
7" Water Resistant
Performance Series
Coaxial Speaker

Input MAX
120W

CEA-2031 Speaker Rating
Maximum RMS Power: 35 watts
Impedance: 4 ohms



FEATURES & SPECIFICATIONS

	CMQ1620R	CMQ1720R	CMQ6930R	CMQ2010R	CMQ2510R
Speaker Size (Inches)	6 1/2"	7"	6 x 9"	8"	10"
MAX Input (Watts)	100	120	120	200	300
RMS Input (Watts)	50	60	60	100	140
Impedance (Ohms)	4	4	4	4	4
Salt Spray ASTM B117	●	●	●	●	●
UV STD ASTM D4329	●	●	●	●	●
Grille Included	●	●	●	●	●
Applications	Coax	Coax	Coax	Free air subwoofer	Free air subwoofer
PEI Black Tweeter (Inches)	1"	1"	1"	—	—
Black Mid Tweeter (Inches)	—	—	2.5"	—	—
PP Injection Cone Woofer	● (silver)	● (silver)	● (Silver)	● (Black)	●
Stainless Steel Screw	●	●	●	●	●
Santoprene Rubber Surround Edge	●	●	●	●	●
Gold Plated Terminal	●	●	●	●	●
Integrated into Basket Integrated Magnetic Shielding	●	●	●	●	●
Ferric Oxide Magnet	●	●	●	●	●
Frequency Response (Hz)	60-20k	55-20k	55-20k	45-1k	30-600
Sensitivity (dB)	88	88	88	86	85

CMQ6930R
6x9" Water Resistant
Performance Series
Multiaxial Speaker

Input MAX
120W

CEA-2031 Speaker Rating
Maximum RMS Power: 35 watts
Impedance: 4 ohms



MARINE AUDIO SYSTEMS

MARINE SPEAKERS



CMSW10.1
10" Water-Resistant
Marine Subwoofer

Input MAX 350W
CEA-2031 Speaker Rating
Maximum RMS Power: 35 watts
Impedance: 4 ohms

FEATURES & SPECIFICATIONS

	CMC57.1	CM1635	CM1625	CMCX7.1	CMSW10.1
Maximum Music Power (Watts)	160	130	100	160	350
Mica-Injection Polypropylene Woofer Cone (inch)	7	6-1/2	6-1/2	7	10
Sanoprene Rubber Surround	●	●	●	●	●
Titanium Coated Dome Tweeter	1-1/4	1	3/4	1-1/4	—
Meets Salt/Fog and UV Exposure Standards (ASTM B117/D4329)	●	●	●	●	●
High Impact Centrex 814 Grille / Frame	●	●	●	●	●
Liquid Drainage System	●	●	●	●	●
Rubber Insulated Tinsel Leads	●	●	●	●	●
Gold Plated Speaker Terminals	●	●	●	●	●
Stainless Steel Mounting Hardware	●	●	●	●	●
Rubber Mounting Gasket	●	●	●	●	●



CMC57.1
7" 2-way Water-Resistant
Component Speaker System

CEA-2031 Speaker Rating
Maximum RMS Power: 35 watts
Impedance: 4 ohms



CM1635
6 1/2" 2-way Water-Resistant
Component Speaker System

CEA-2031 Speaker Rating
Maximum RMS Power: 35 watts
Impedance: 4 ohms



CM1625
6 1/2" Coaxial 2-way
Water Resistant Speaker

CEA-2031 Speaker Rating
Maximum RMS Power: 35 watts
Impedance: 4 ohms



CMCX7.1
7" Coaxial 2-way
Water Resistant Speaker

CEA-2031 Speaker Rating
Maximum RMS Power: 35 watts
Impedance: 4 ohms

MARINE AMPLIFIERS

FEATURES & SPECIFICATIONS

	APX490M	APX290M
Maximum Music Power (Watts)	720	360
4 Ohms	90W x 4	90W x 2
2 Ohms	165W x 4	150W x 2
Variable Bass Extender; 0 - 15dB @ 45Hz	●	●
Adjustable -12dB/Oct. High/Low Pass Crossover, 55Hz - 550Hz (Rear 55 - 550Hz, 550Hz - 5.5kHz)	●	●
Mixed Mode Operation	●	●
Conformal Coated Double Sided PCB	●	●
Non-Corrosive Aluminum Heat Sink	●	●
Dimensions (W x L x H)(inch)	15-1/4 x 9-1/8 x 2-1/4	10-1/2 x 9-1/8 x 2-1/4

APX490M
Marine 720W 4/3/2 Channel
Power Amplifier

4/3/2 ch. Power AMP **LPEWHPF** **BASS Extender** **MAX 720W**

CEA 2006 Power Ratings
110W x 4 RMS [4Q @14.4V ≤1% THD+N]
S/N 97dB (Ref: 1W into 4Q)



APX290M
Marine 360W 2/1 Channel
Power Amplifier

2/1 ch. Power AMP **LPEWHPF** **BASS Extender** **MAX 360W**

CEA 2006 Power Ratings
100W x 2 RMS [4Q @14.4V ≤1% THD+N]
S/N 95dB (Ref: 1W into 4Q)



MARINE CD CHANGER



DCZ625

- 6-disc CD CeNET Changer**
- CeNET Controlled • Digital Optical Output • CD Text • CD-R/RW Ready • -15° to 105° Mounting Angle
 - 8x Over Sampling Digital Filter • Zero Bit Detector Mute Circuit • Spring Loaded Silicon Oil Dampened Suspension • Dual 1-bit D/A Converters • 3-Beam Laser System • Eject Capability While Ignition Off
 - Dimensions: 9" (W) x 2-1/2" (H) x 6-5/8" (D)

MARINE POWERED SUBWOOFER

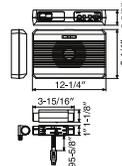
SRV314

Slim Design 6-3/4" Powered Subwoofer

- Dual-Voice coil • 120 W high power amplifier with Low Pass Filter • MaxxBass circuit for virtual bass enhancer • 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
- "MaxxBass" is a patent of KS-Waves. "MaxxBass" is a registered trademark of KS-Waves.

MIPP **Hi-Fi** **NiceTone** **Hi-Fi** **Counter Drive** **Air Compression**
Dual Voice Coil **WIRED Remote Control** **MAX 120W**

CEA 2006 Power Ratings
28W x 2RMS [2Q @14.4V ≤1% THD+N]
S/N 65dB (Ref: 1W into 4Q)



Stick wired remote control



<Specification>

- **Speaker type:** 6-3/4" counter drive powered subwoofer • **Unit used:** 6-3/4" MIPP cone woofer (Dual Voice coil) • **Rated output:** 60W (30W+30W)
- **Max power output:** 120W (60W+60W) • **Playback frequency range:** 30 to 200Hz • **Cut-off frequency:** 50Hz/75Hz/100Hz/120Hz • **Input sensitivity:** RCA input 20mV to 2V, Speaker input 0.2V to 20V • **Power source voltage:** DC14.4V • **Ground:** Negative • **Current consumption:** 7.0A • **External dimensions:** [Main unit] 12-1/4" (W) x 2-5/8" (H) x 8-1/4" (D) [Remote control unit] 3-15/16" (W) x 1-1/8" (H) x 1" (D) • **Weight:** [Body] 2.0Kg [Remote control] 220g

AMPLIFIERS SUBWOOFERS

The Sophisticated Side of Raw Power

Advanced design techniques and high quality materials have been combined for the sole purpose of bringing earth-shaking bass performance into your car. Feel the bass, boost your drive.

AMPLIFIER SERIES

DPX Series



Class GH amplifiers deliver the efficiency of a Class D amplifier with sound quality of an AB design.

APX Illumination Series



High-powered performance Class AB amplifiers that appeal to your ears and eyes with dynamic illumination.

APX Series



Mono and multi-channel amplifiers that make it easy to equip any system with thundering Sound.

SUBWOOFER SERIES

PXW Series



High-performance materials and advanced design deliver extreme bass and exquisite looks.

SRW Series



Step-up series providing an easy solution for those who want to ramp-up their bass performance.

SW Series



Developed especially to deliver big bass performance in your car with a relatively small investment.

AMPLIFIERS / SUBWOOFERS

DYNAMIC AMPLIFIERS

Bring to Life The True Power of Your Music. Clarion Offers A Variety of Amplifiers to Satisfy Different Needs — DPX Series for The Ultimate Quality, APX Illumination Series for Hot Performance and Cool Looks, and APX Series to Integrate into A Wide Range of Systems.



DPX SERIES
CLASS GH AMPLIFIERS

- ✓ High quality and efficiency with Class G/H technology
- ✓ Precise Frequency Selector

AMPLIFIERS

DPX11551 1550W Mono Power Amplifier



CEA 2006 Power Ratings
850W x 1 RMS (4Ω @ 14.4V ≤1% THD+N)
S/N 63dB (Ref: 1W into 4Ω)



DPX1851 850W Mono Power Amplifier



CEA 2006 Power Ratings
460W x 1 RMS (4Ω @ 14.4V ≤1% THD+N)
S/N 63dB (Ref: 1W into 4Ω)



DPX2251 650W 2/1 Channel Power Amplifier



CEA 2006 Power Ratings
200W x 2 RMS (4Ω @ 14.4V ≤1% THD+N)
S/N 66dB (Ref: 1W into 4Ω)



FEATURES & SPECIFICATIONS	DPX11551	DPX1851	DPX2251
Maximum Power Output (Watts)	1550	850	650
4-Ohm	850w x 1	460w x 1	180w x 2
2-Ohm	1550w x 1	850w x 1	300w x 2
bridged@ 4-Ohm	—	—	600w x 1
Input Voltage Sensing	●	●	●
Precise Frequency Selector -24dB / Oct. Low Pass Crossover, 30-230Hz	●	●	—
Precise Frequency Selector -12dB / Oct. High/Low Pass Crossover, 50Hz - 575Hz, 525Hz - 5.8kHz	—	—	●
Adjustable Subsonic Filter, 10-80Hz	●	●	—
Number of Channels	1	1	2/1
MOS-FET Power Supply	●	●	●
2-Ohm Stable	●	●	●
2-Ohm Mono Stable	●	●	—
Variable Bass Boost; 0-15dB @ 30-125Hz	●	●	—
Variable Bass Boost; 0-15dB @ 45Hz	—	—	●
Gold Plated Connectors; RCA/ Speaker/ Power	●	●	●
Speaker Level Input	●	●	●
Dimensions (W" x L" x H")	16-3/4 x 10-1/8 x 2-3/8	13-5/8 x 10-1/8 x 2-3/8	12-1/4 x 10-1/8 x 2-3/8

APX Illumination SERIES

CLASS AB AMPLIFIERS

- High Maximum Music Power
- Mixed-Mode Operation



APX4361
680W 4/3/2 Channel Power Amplifier

4/3/2 Channels
LTP VHPF
MOS-FET Technology
MAX 680W

CEA 2006 Power Ratings
100W x 4 RMS (4Ω @ 14.4V ≤1% THD+N)
S/N 86dB (Ref: 1W into 4Ω)



APX2181
340W 2/1 Channel Power Amplifier

2/1 Channels
LTP VHPF
MOS-FET Technology
MAX 340W

CEA 2006 Power Ratings
95W x 2 RMS (4Ω @ 14.4V ≤1% THD+N)
S/N 86dB (Ref: 1W into 4Ω)

APX4361	APX2181	APX1301	APX4241	APX2121	FEATURES & SPECIFICATIONS
680	340	420	400	200	Maximum Power Output (Watts)
90w x 4	90w x 2	300w x 1	60w x 4	60w x 2	4-Ohm
160w x 4	150w x 2	400w x 1	80w x 4	80w x 2	2-Ohm
320w x 2	300w x 1	—	—	—	Bridged @ 4-Ohm
●	●	—	—	—	Mixed Mode Operation
●	●	—	—	—	Input Voltage Sensing
●	●	—	—	—	Precise Frequency Control
4/3/2	2/1	1	4/3/2	2/1	Number of Channels
●	●	●	●	●	MOS-FET Power Supply
●	●	●	●	●	2-Ohm Stable
—	—	●	—	—	2-Ohm Mono Stable
●	●	—	—	—	Variable Bass Boost; 0-15dB @ 45Hz
—	—	●	●	●	Selectable Bass Boost; 0/6/12dB @ 50Hz
●	—	—	—	—	Independent Front / Rear Adjustable - 12db/Oct. High/Low Pass Crossovers, 55Hz-600Hz or 530Hz-5.8kHz with the Crossover Frequency Multiplier
—	●	—	—	—	Adjustable - 12db/Oct. High/Low Pass Crossovers, 55Hz-600Hz or 530Hz-5.8kHz with the Crossover Frequency Multiplier
—	—	—	●	—	Independent Front / Rear Adjustable -12db/Oct. High/Low Pass Crossover, 50-300Hz
—	—	—	—	●	Adjustable -12db/Oct. High/Low Pass Crossover, 50-300Hz
—	—	●	—	—	Adjustable Low Pass Crossover @ 30-300Hz
●	●	●	●	●	Gold Plated Connectors; RCA/ Speaker/ Power
●	●	●	●	●	Speaker Level Input
12-1/4 x10-1/8 x2-3/8	10 x10-1/8 x2-3/8	11-7/8 x11 x2-1/4	11-7/8 x11 x2-1/4	7-7/8 x11 x2-1/4	Dimensions (W" x L" x H")

AMPLIFIERS

APX SERIES

CLASS AB AMPLIFIERS

- High Maximum Music Power
- Selectable Bass Boost



APX1301
420W Mono Power Amplifier

1ch Power AMP
LTP VHPF
MOS-FET Technology
MAX 420W

CEA 2006 Power Ratings
320W x 1 RMS (4Ω @ 14.4V ≤1% THD+N)
S/N 70dB (Ref: 1W into 4Ω)



APX4241
400W 4/3/2 Channel Power Amplifier

4/3/2 Channels
LTP VHPF
MOS-FET Technology
MAX 400W

CEA 2006 Power Ratings
80W x 4 RMS (4Ω @ 14.4V ≤1% THD+N)
S/N 75dB (Ref: 1W into 4Ω)



APX2121
200W 2/1 Channel Power Amplifier

2/1 Channels
LTP VHPF
MOS-FET Technology
MAX 200W

CEA 2006 Power Ratings
80W x 2 RMS (4Ω @ 14.4V ≤1% THD+N)
S/N 72dB (Ref: 1W into 4Ω)

SUBWOOFERS

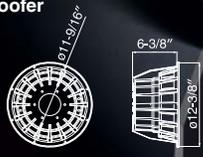


Extreme Bass, Extreme Looks. Clarion's PXW Series 2-ohm and 4-ohm Subwoofers Deliver Thundering Lows through High-performance Materials and Advanced Design.

PXW1252 1000W MAX.
12" Dual 4-ohm Voice Coil Subwoofer



CEA-2031 Speaker Rating
Maximum RMS Power: 500 watts
Impedance: 4 ohms



SUBWOOFERS

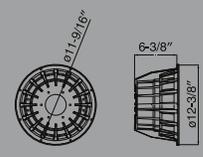
- ✓ Kevlar/Paper Composite Cone Design
- ✓ Dual Strontium Ferrite Magnets
- ✓ Spider Exhaust Technology Cooling
- ✓ Die-cast Aluminum Basket

FEATURES & SPECIFICATIONS	PXW1252	PXW1052	PXW1251	PXW1051	PFW1051
Max Power Handling (Watts)	1000	1000	1000	1000	600
Continuous Power Handling (Watts)	500	500	500	500	300
Dual 4-Ohm Heat Resistant Voice Coils	•	•	—	—	—
Dual 2-Ohm Heat Resistant Voice Coils	—	—	•	•	—
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	•	•	•	•	•
Frequency Response (Hz)	20-1.5k	20-1.5k	20-1.5k	20-1.5k	20-1.5k
Efficiency (dB/W/m)	87	84	87	84	84
Basket Type	Die Cast Aluminum				
Number of Voice Coils	2	2	2	2	1
Impedance(Ohm)	4	4	2	2	4
Outside Dimension (Inch)	12-3/8	10-3/8	12-3/8	10-3/8	10-3/8
Cut Out Size (Inch)	10-7/8	9-1/16	10-7/8	9-1/16	9-1/16
Mounting Depth (Inch)	6-3/8	5-1/2	6-3/8	5-1/2	3
Enclosure Size(Ft)	0.85 Cu	0.6 Cu	0.85 Cu	0.6 Cu	0.5 Cu

PXW1251 1000W MAX.
12" Dual 2-ohm Voice Coil Subwoofer



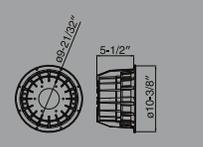
CEA-2031 Speaker Rating
Maximum RMS Power: 500 watts
Impedance: 2 ohms



PXW1052 1000W MAX.
10" Dual 4-ohm Voice Coil Subwoofer



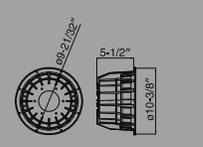
CEA-2031 Speaker Rating
Maximum RMS Power: 500 watts
Impedance: 4 ohms



PXW1051 1000W MAX.
10" Dual 2-ohm Voice Coil Subwoofer



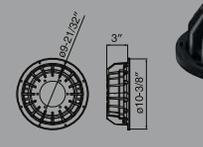
CEA-2031 Speaker Rating
Maximum RMS Power: 500 watts
Impedance: 2 ohms



PFW1051 600W MAX.
10" Single 4-ohm Voice Coil Shallow Subwoofer



CEA-2031 Speaker Rating
Maximum RMS Power: 300 watts
Impedance: 4 ohms





High Performance for Impressive Lows.
Clarion's SRW Series 4-ohm Voice Coil Subwoofers
Provide An Easy Upgrade for Those Who Want
to Ramp-up Their Bass-driven Sound.



SRW1252 800W MAX.

12" Dual 4-ohm
 Voice Coil Subwoofer



CEA-2031 Speaker Rating
 Maximum RMS Power: 400 watts
 Impedance: 4 ohms



- ✓ Fiber Glass/Paper Cone Design
- ✓ Dual Strontium Ferrite Magnets
- ✓ Spider Exhaust Technology Cooling
- ✓ Nitrile Butadiene Rubber High Excursion Surround

SRW1252	SRW1052	SRW1251	SRW1051	SFW1051	FEATURES & SPECIFICATIONS
800	750	800	750	600	Max Power Handling (Watts)
400	375	400	375	300	Continuous Power Handling (Watts)
●	●	—	—	—	Dual 4 Ohm Heat Resistant Voice Coils
—	—	●	●	●	Single 4 Ohm Heat Resistant Voice Coils
●	●	●	●	●	Polypropylene Electronic Spun Aluminum Dust Cap
●	●	●	●	●	Fiber Glass / Paper Cone Design
●	●	●	●	—	Nitrile Butadiene Rubber High Excursion Surround
●	●	●	●	—	Dual Strontium Ferrite Magnets
—	—	—	—	●	Strontium Ferrite Magnets
●	●	●	●	●	Hyper Extended Vented Pole Piece
●	●	●	●	●	S.E.T.(Spider Exhaust Technology) Cooling
●	●	●	●	●	Dual Gold Plated Terminal Blocks
●	●	●	●	●	Linear Cotton Spider with Integrated Tinsel leads
●	●	●	●	—	Custom Stamped Steel Powder Coated Chassis
—	—	—	—	●	Custom Shallow Stamped Steel Powder Coated Chassis
20-1k	25-1k	20-1k	25-1k	35-1k	Frequency Response (Hz)
88	86	90	88	87	Efficiency (dB/W/m)
Stamped Steel	Basket Type				
2	2	1	1	1	Number of Voice Coils
4	4	4	4	4	Impedance(Ohm)
12-15/32	10-17/32	12-15/32	10-17/32	10-17/32	Outside Dimension (Inch)
11-1/4	9-1/2	11-1/4	9-1/2	9-1/32	Cut Out Size (Inch)
4-3/4	4-9/16	4-3/4	4-9/16	2-25/32	Mounting Depth (Inch)
0.8	0.4	0.8	0.4	0.45	Enclosure Size(ft)

SRW1251 800W MAX.

12" Single 4-ohm
 Voice Coil Subwoofer



CEA-2031 Speaker Rating
 Maximum RMS Power: 400 watts
 Impedance: 4 ohms



SRW1052 750W MAX.

10" Dual 4-ohm
 Voice Coil Subwoofer



CEA-2031 Speaker Rating
 Maximum RMS Power: 375 watts
 Impedance: 4 ohms



SRW1051 750W MAX.

10" Single 4-ohm Voice Coil
 Subwoofer



CEA-2031 Speaker Rating
 Maximum RMS Power: 375 watts
 Impedance: 4 ohms



SFW1051 600W MAX.

10" Single 4-ohm Voice Coil
 Shallow Mount Subwoofer



CEA-2031 Speaker Rating
 Maximum RMS Power: 300 watts
 Impedance: 4 ohms



SUBWOOFERS



Performance and Value Exceeding Expectations.
Clarion's SW Series Subwoofers
Deliver Big Bass Presence with
A Relatively Small Investment.



SW1051 600W MAX.
 10" Single 4-ohm Voice Coil
 Subwoofer



CEA-2031 Speaker Rating
 Maximum RMS Power: 300 watts
 Impedance: 4 ohms



SUBWOOFERS

- ✓ Fiber Glass/Paper Cone Design
- ✓ Dual Strontium Ferrite Magnets
- ✓ Spider Exhaust Technology Cooling
- ✓ Nitrile Butadiene Rubber High Excursion Surround



SW1251 700W MAX.
 12" Single 4-ohm Voice Coil
 Subwoofer



CEA-2031 Speaker Rating
 Maximum RMS Power: 350 watts
 Impedance: 4 ohms

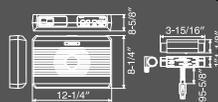


FEATURES & SPECIFICATIONS	SW1251	SW1051
Maximum Music Power (Watts)	700	600
Continuous Power Handling (Watts)	350	300
Single 4 Ohm Heat Resistant Voice Coil	●	●
Polypro-pylene Electronic Spun Aluminum Dust Cap	●	●
Fiber Glass / Paper Cone Design	●	●
Nitrile Butadiene Rubber High Excursion Surround	●	●
Dual Strontium Ferrite Magnets	●	●
Hyper Extended Vented Pole Piece	●	●
S.E.T.(Spider Exhaust Technology) Cooling	●	●
Dual Gold Plated Terminal Blocks	●	●
Linear Cotton Spider with Integrated Tinsel leads	●	●
Custom Stamped Steel Powder Coated Chassis	●	●
Frequency Response (Hz)	30-1k	32-1k
Efficiency (dB/W/m)	90	88
Basket Type	Stamped Steel	Stamped Steel
Number of Voice Coils	1	1
Impedance (Ohm)	4	4
Outside Dimension (Inch)	12-1/4	10-3/8
Cut Out Size (Inch)	11-5/16	9-5/16
Mounting Depth (Inch)	6-1/2	5-13/16
Enclosure Size (ft ³)	0.9	0.5

SRV314 120W MAX.
 Slim Design 6-3/4" Powered Subwoofer



CEA 2006 Power Ratings
 28W x 2RMS [20@14.4Vst%THD+N]
 S/N 65dB (Ref.1Winto4Ω)



Stick Wired Remote Control

- Dual-voice Coil
- 120 W High Power Amplifier with Low Pass Filter
- MaxxBass Circuit for Virtual Bass Enhancer
- 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

*"MaxxBass" is a patent of KS-Waves."MaxxBass" is a registered trademark of KS-Waves.

<Specification>

- **Speaker type:** 6-3/4" counter drive powered subwoofer
- **Unit used:** 6-3/4" MIPP cone woofer (Dual Voice coil)
- **Rated output:** 60W (30W+30W)
- **Max power output:**120W (60W+60W)
- **Playback frequency range:** 30 to 200Hz
- **Cut-off frequency:** 50Hz/75Hz/100Hz/120Hz
- **Input sensitivity:** RCA input 20mV to 2V, Speaker input 0.2V to 20V
- **Power source voltage:** DC14.4V
- **Ground:** Negative
- **Current consumption:** 7.0A
- **External dimensions:**
 [Main unit] 12-1/4" (W) x 2-5/8" (H) x 8-1/4" (D)
 [Remote control Unit]
 3-15/16" (W) x 1-1/8" (H) x 1" (D)
- **Weight:** [Body] 2.0Kg [Remote control] 220g

SPEAKERS

The Sounds and Sensations of Pure Excellence

Sound to please the ear and design to catch the eye.

Clarion's full line of speakers will let you customize your car's soundscape with the exact specs and looks you need.

ULTRA Series



Harnessing the highest grade materials for high power handling, superior response, and stately looks.



PLATINUM Series

Separate woofers and tweeters that let you choose the exact solution for your car audio upgrading needs.

QUALITY Series



Multiaxial speakers combining design and performance to faithfully reproduce the full spectrum of sound.

GOOD Series



The easiest way to pursue better sound and upgrade from the standard factory system in your car.

ULTRA SERIES

Experience The Ultimate in Sound. Clarion's Ultra Series Speakers Use The Highest Grade Materials for The Perfect Combination of High Power Handling, Superior Response, and Stately Looks.

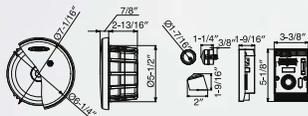
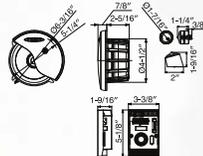


SRU1720M 350W Max. 6-3/4" / 6" x 8" MultiFit Speaker System

- Wide frequency range: 25-80,000 Hz
- 1" TP-Silk Dome Tweeter with Neodymium Magnet



CEA-2031 Speaker Rating
Maximum RMS Power: 80 watts
Impedance: 4 ohms



SRU1320M 250W Max. 5-1/4" / 5" x 7" MultiFit Speaker System

- Wide frequency range: 35-80,000 Hz
- 1" TP-Silk Dome Tweeter with Neodymium Magnet



CEA-2031 Speaker Rating
Maximum RMS Power: 80 watts
Impedance: 4 ohms



SRU310H 300W Max. 1" Dome Tweeter

- 1" TP-Silk Dome Tweeter with Neodymium Magnet
- Flush/Surface Mounting



CEA-2031 Speaker Rating
Maximum RMS Power: 90 watts
Impedance: 4 ohms



FEATURES & SPECIFICATIONS	SRU1720M	SRU1320M	SRU310H
Maximum Music Power (Watts)	350	250	300
MultiFit Speaker System Design	●	●	—
TP-GF Cone Woofer with Rubber Surround (Inch)	6-3/4	5-1/4	—
1" TP-Silk Dome Tweeter with Neodymium Magnet	●	●	●
2-Way Mounting Tweeter (Flush Mounting/Surface Mounting)	●	●	●
High Grade -12dB/oct 2 way Crossover Network with Level Attenuator (dB)	0,-3	0,-3	0,-3,-6
Extremely High Frequency Reproduction/80kHz	●	●	●
Aluminum Die-Cast Frame for Higher Power Handling and Reduced Distortion	●	●	—
S.E.T.(Spider Exhaust Technology) Cooling	●	●	—
Grille & Mesh Included	●	●	—
Powerful Strontium Magnet for Dynamic Bass Response	●	●	—
GM Fit Basket Design/6" x 8" FORD Adaptor Included	●	—	—
5" x 7" FORD/CHRYSLER/TOYOTA Adaptor Included	—	●	—
Efficiency (dB/W/m)	89	88	90
Frequency Response (Hz)	25-80k	35-80k	2k-80k
Mounting Depth (mm)	71.5	58.5	—
Mounting Depth (inch)	2-13/16	2-5/16	—

MultiFit

MultiFit construction allows the tweeter and woofer to be separated during installation. This allows the user the ability to install the speakers in the most focally-correct location for specific vehicles.



Spider Exhaust Technology Cooling

Heat is the number one enemy of speakers. All of Clarion's Ultra and Platinum woofer drivers feature S.E.T. (Spider Exhaust Technology) Cooling, to allow hot air to escape the speaker's internal motor assembly via computer designed porting.



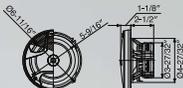
PLATINUM SERIES

Flexible Solutions for Your Sound Environment.
Clarion's Platinum Series Separate Woofers
and Tweeters Let You Choose The Exact Solution
for Your Audio Needs.

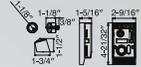


SRP1620M 250W Max. 6-1/2" / 6"x8" MultiFit Speaker System

- ✓ Glass-Fiber Cone Woofer with Strontium Magnet
- ✓ 3/4" Pure Silk Dome Tweeter with Neodymium Magnet



CEA-2031 Speaker Rating
Maximum RMS Power: 70 watts
Impedance: 4 ohms



SRP1320M 220W Max. 5-1/4" / 5"x7" MultiFit Speaker System

- ✓ Glass-Fiber Cone Woofer with Strontium Magnet
- ✓ 3/4" Pure Silk Dome Tweeter with Neodymium Magnet

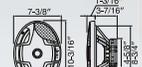


CEA-2031 Speaker Rating
Maximum RMS Power: 60 watts
Impedance: 4 ohms



SRP6920M 450W Max. 6"x9" MultiFit Speaker System

- ✓ Glass-Fiber Cone Woofer with Strontium Magnet
- ✓ 1" Pure Silk Dome Tweeter with Neodymium Magnet



CEA-2031 Speaker Rating
Maximum RMS Power: 90 watts
Impedance: 4 ohms



SRP1620M	SRP1320M	SRP6920M	SRP4620M	SRP310H	
250	220	450	150	250	Maximum Music Power (Watts)
●	●	●	●	—	MultiFit Speaker System Design
6-1/2	5-1/4	6 x 9	4	—	Glass-Fiber Cone Woofer with Rubber Surround (inch)
3/4	3/4	1	3/4	1	Pure Silk Dome Tweeter with Neodymium Magnet (inch)
●	●	●	●	●	2-Way Mounting Tweeter (Flush Mounting/Surface Mounting)
0,-3	0,-3	0,-3	0,-3	0,-3,-6	High Grade -12dB/oct 2way Crossover Network with Level Attenuator (dB)
●	●	●	●	●	Extremely High Frequency Reproduction/50kHz
●	●	●	●	—	Aluminum Die-Cast Frame for Higher Power Handling and Reduced Distortion
●	●	●	●	—	S.E.T. (Spider Exhaust Technology) Cooling
●	●	●	●	—	Grille & Mesh Included
●	●	●	●	—	Powerful Strontium Magnet for Dynamic Bass Response
●	—	—	—	—	GM Fit Basket Design/ CHRYSLER Adaptor Included/6"x8" FORD Adaptor Included
—	●	—	—	—	5"x7" FORD/CHRYSLER/ TOYOTA Adaptor Included
—	—	—	●	—	4"x6" OEM Replacement Adaptor Included
90	89	92	88	90	Efficiency (dB/W/m)
25~50k	40~50k	25~50k	40~50k	2k~50k	Frequency Response (Hz)
64	54	86.5	46	—	Mounting Depth (mm)
2-1/2	2-1/8	3-7/16	1-7/8	—	Mounting Depth (inch)

FEATURES & SPECIFICATIONS



SRP4620M 150W Max. 4" / 4"x6" MultiFit Speaker System

- ✓ Glass-Fiber Cone Woofer with Strontium Magnet
- ✓ 3/4" Pure Silk Dome Tweeter with Neodymium Magnet

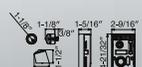


CEA-2031 Speaker Rating
Maximum RMS Power: 60 watts
Impedance: 4 ohms



SRP310H 250W Max. 1" Dome Tweeter

- ✓ 1" Pure Silk Dome Tweeter with Neodymium Magnet
- ✓ Flush/Surface Mounting



CEA-2031 Speaker Rating
Maximum RMS Power: 70 watts
Impedance: 4 ohms

SPEAKERS

QUALITY

SERIES

Clarion's **QUALITY** Series
**Multiaxial Speakers Combine
 Cool Design and Hot Performance
 to Faithfully Reproduce
 The Full Spectrum of Sound.**



SPEAKERS

SRQ1620S 250W MAX. 6-1/2" 2way Component System

CEA-2031 Speaker Rating
 Maximum RMS Power: 60 watts
 Impedance: 4 ohms

- ✓ TM-MIPP Cone Woofer with Strontium Magnet
- ✓ 3/4" Pure Silk Dome Tweeter with Neodymium Magnet

SRQ1320S 200W MAX. 5-1/4" 2way Component System

CEA-2031 Speaker Rating
 Maximum RMS Power: 45 watts
 Impedance: 4 ohms

- ✓ TM-MIPP Cone Woofer with Strontium Magnet
- ✓ 3/4" Pure Silk Dome Tweeter with Neodymium Magnet

SRQ6930R 400W MAX. 6"x9" Multiaxial 3way

CEA-2031 Speaker Rating
 Maximum RMS Power: 60 watts
 Impedance: 4 ohms

- ✓ TM-MIPP Cone Woofer with Strontium Magnet
- ✓ Pure Silk Dome Mid-Range & Pure Silk Dome Tweeter

SRQ1630R 280W MAX. 6-1/2" Multiaxial 3way

CEA-2031 Speaker Rating
 Maximum RMS Power: 55 watts
 Impedance: 4 ohms

- ✓ TM-MIPP Cone Woofer with Strontium Magnet
- ✓ Pure Silk Dome Mid-Range & Pure Silk Dome Tweeter

SRQ6830C 300W MAX. 6"x8" Custom Fit Multiaxial 3way

CEA-2031 Speaker Rating
 Maximum RMS Power: 60 watts
 Impedance: 4 ohms

- ✓ TM-MIPP Cone Woofer with Strontium Magnet
- ✓ Pure Silk Dome Mid-Range & Pure Silk Dome Tweeter

SRQ5730C 250W MAX. 5"x7" Custom Fit Multiaxial 3way

CEA-2031 Speaker Rating
 Maximum RMS Power: 55 watts
 Impedance: 4 ohms

- ✓ TM-MIPP Cone Woofer with Strontium Magnet
- ✓ Pure Silk Dome Mid-Range & Pure Silk Dome Tweeter

SRQ210H 200W MAX. 3/4" Dome Tweeter

CEA-2031 Speaker Rating
 Maximum RMS Power: 45 watts
 Impedance: 4 ohms

- ✓ 3/4" Pure Silk Dome Tweeter with Neodymium Magnet
- ✓ Variable Angle Flush/Surface Mounting

FEATURES & SPECIFICATIONS	SRQ1620S	SRQ1320S	SRQ6930R	SRQ1630R	SRQ6830C	SRQ5730C	SRQ210H
Maximum Music Power (Watts)	250	200	400	280	300	250	200
TM-MIPP Cone Woofer with Rubber Surround (Inch)	6-1/2	5-1/4	6 x 9	6-1/2	6 x 8	5 x 7	—
Pure Silk Dome Tweeter with Neodymium Magnet (Inch)	3/4	3/4	—	—	—	—	3/4
Pure Silk Dome Mid-Range with Neodymium Magnet (Inch)	—	—	1	3/4	3/4	3/4	—
Dome Tweeter (Inch)	—	—	5/16	5/16	5/16	5/16	—
2-Way Mounting Tweeter (Variable Angle Flush Mounting/Surface Mounting)	●	●	—	—	—	—	●
Custom-Fit Tweeter Bracket Included (For Renault, Peugeot, Citroen)	—	●	—	—	—	—	—
Grille & Mesh Included	●	●	●	●	—	—	—
Powerful Strontium Magnet for Dynamic Bass Response	●	●	●	●	●	●	—
In-Line -6dB/oct Crossover Network	●	—	—	—	—	—	●
GM Fit Basket Design/CHRYSLER Adaptor Included	—	—	—	●	—	—	—
Designed for Direct OEM Replacement	—	—	—	—	●	●	—
Efficiency (dB/W/m)	91	91	93	91	92	92	90
Frequency Response (Hz)	30-35k	40-35k	28-35k	30-35k	30-35k	35-35k	2.5k-35k
Mounting Depth (mm)	57.5	46	79	55.5	60	54	—
Mounting Depth (inch)	2-5/16	1-13/16	3-1/8	2-3/16	2-3/8	2-1/8	—

GOOD SERIES

The Easiest Way to Upgrade from Your Factory Installed System. Clarion's GOOD Series Coaxial Speakers Let You Pursue Better Sound While Remaining Budget-conscious.

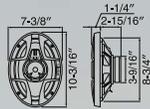


SRG6920R 350W MAX. 6"x9" Coaxial 2way

- ✓ MIPP Cone Woofer with Strontium Magnet
- ✓ Metallized PEI Cone Tweeter with Neodymium Magnet



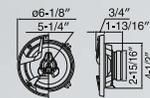
CEA-2031 Speaker Rating
Maximum RMS Power: 70 watts
Impedance: 4 ohms



SRG1320R 150W MAX. 5-1/4" Coaxial 2way



CEA-2031 Speaker Rating
Maximum RMS Power: 30 watts
Impedance: 4 ohms

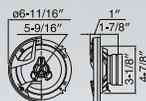


- ✓ MIPP Cone Woofer with Strontium Magnet
- ✓ Metallized PEI Balanced-Drive Tweeter with Neodymium Magnet

SRG1620R 180W MAX. 6-1/2" Coaxial 2way



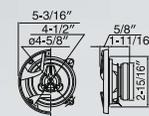
CEA-2031 Speaker Rating
Maximum RMS Power: 35 watts
Impedance: 4 ohms



SRG1020R 140W MAX. 4" Coaxial 2way



CEA-2031 Speaker Rating
Maximum RMS Power: 30 watts
Impedance: 4 ohms

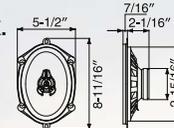


- ✓ MIPP Cone Woofer with Strontium Magnet
- ✓ Metallized PEI Balanced-Drive Tweeter with Neodymium Magnet

SRG5720C 200W MAX. 5"x7" Custom Fit Coaxial 2way



CEA-2031 Speaker Rating
Maximum RMS Power: 45 watts
Impedance: 4 ohms



- ✓ MIPP Cone Woofer with Strontium Magnet
- ✓ Metallized PEI Balanced-Drive Tweeter with Neodymium Magnet

SRG6920R	SRG1620R	SRG1320R	SRG1020R	SRG5720C	SRG4620C	SRG920C
350	180	150	140	200	140	60
6 x 9	6-1/2	5-1/4	4	5 x 7	4 x 6	3-1/2
2-5/8	—	—	—	—	—	—
—	1	1	1	1	1	1
●	●	●	●	●	●	●
—	●	—	—	—	—	—
—	—	—	—	●	●	●
92	91	91	90	91	91	89
28-32k	30-30k	40-30k	45-30k	35-30k	45-30k	60-30k
74	46.5	46	42.5	52	45.5	32.5
2-15/16	1-7/8	1-13/16	1-11/16	2-1/16	1-13/16	1-5/16

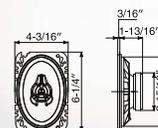
FEATURES & SPECIFICATIONS

- Maximum Music Power (Watts)
- MIPP Cone Woofer (Inch)
- Metallized PEI Cone Tweeter(Inch)
- Metallized PEI Balanced-Drive Tweeter with Neodymium Magnet (Inch)
- Powerful Strontium Magnet for Dynamic Bass Response
- GM Fit Basket Design/ CHRYSLER Adaptor Included
- Designed for Direct OEM Replacement
- Efficiency (dB/W/m)
- Frequency Response (Hz)
- Mounting Depth (mm)
- Mounting Depth (inch)

SRG4620C 140W MAX. 4"x6" Custom Fit Coaxial 2way



CEA-2031 Speaker Rating
Maximum RMS Power: 30 watts
Impedance: 4 ohms

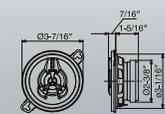


- ✓ MIPP Cone Woofer with Strontium Magnet
- ✓ Metallized PEI Balanced-Drive Tweeter with Neodymium Magnet

SRG920C 60W MAX. 3-1/2" Custom Fit Coaxial 2way



CEA-2031 Speaker Rating
Maximum RMS Power: 20 watts
Impedance: 4 ohms



- ✓ MIPP Cone Woofer with Strontium Magnet
- ✓ Metallized PEI Balanced-Drive Tweeter with Neodymium Magnet

SPEAKERS

MP3 / WMA / AAC / USB Features

MODEL		CMV1						CZ509, CZ209, CX609, CMDB, M309						CZ209				CZ109, M109		FZ709, FZ409		
MEDIA		DVD		USB		CD		USB		CD		USB		CD		USB		AAC				
FILES		WMA	MP3	AAC	WMA	MP3	AAC	WMA	MP3	AAC	WMA	MP3	AAC	WMA	MP3	WMA	MP3	WMA	MP3	AAC		
FILE SYSTEM	ISO9660	LEVEL1	●					●						●								
		LEVEL2	●						●					●								
		LEVEL3	×					×						×								
	ISO9660 EXTENSION	JOLIET																				
		FILE NAME	64-bytes						64-bytes						32bytes							
	OTHERS	ROMEO	●						●					●								
		FILE NAME	64-bytes						64-bytes						32bytes							
	FAT	APPLE ISO	-						-					-								
		FAT12	-						-					-								
		FAT16	-						-					-								
FAT32		-						-					-									
FILE DESCRIPTOR	.mp3																					
	.Mp3 / .Mp3 / .MP3																					
	.wma	●						●					●									
	.WMA																					
	.m4a			●																	●	
MP3G FORMAT	MPEG1 / 2 Audio Layer3	●			●			●					●					●				
	MPEG2 Audio Layer3 (LSF)	●			●			●					●					●				
	MPEG2.5	●			●			●					●					●				
SAMPLING FREQUENCY	MPEG1 / 2 Audio Layer3	48, 44.1, 32(kHz)			48, 44.1, 32(kHz)			48, 44.1, 32(kHz)					32kHz, 44.1kHz, 48kHz					32kHz, 44.1kHz, 48kHz			48, 44.1, 32(kHz)	
	MPEG2 Audio Layer3 (LSF)	24, 22.05, 16(kHz)			24, 22.05, 16(kHz)			24, 22.05, 16(kHz)					16kHz, 22.05kHz, 24kHz					16kHz, 22.05kHz, 24kHz			24, 22.05, 16(kHz)	
	MPEG2.5	12, 11.025, 8(kHz)			12, 11.025, 8(kHz)			12, 11.025, 8(kHz)					8kHz, 11.025kHz, 12kHz					8kHz, 11.025kHz, 12kHz			12, 11.025, 8(kHz)	
	WMA	Fe-22.05, 32, 44.1, 48kHz (WMA V2/V7/V8) Fe-44.1kHz (WMA V9L1)			Fe-22.05, 32, 44.1, 48kHz (WMA V2/V7/V8) Fe-44.1kHz (WMA V9L1)			Fe-22.05, 32, 44.1, 48kHz (WMA V2/V7/V8) Fe-44.1kHz (WMA V9L1)					22.05kHz, 32kHz, 44.1kHz, 48kHz					22.05kHz, 32kHz, 44.1kHz, 48kHz			Fe-22.05, 32, 44.1, 48kHz (WMA V2/V7/V8) Fe-44.1kHz (WMA V9L1)	
AAC		48, 44.1, 32.24, 22.05, 16, 12, 11.025, 8(kHz)			48, 44.1, 32.24, 22.05, 16, 12, 11.025, 8(kHz)			48, 44.1, 32.24, 22.05, 16, 12, 11.025, 8(kHz)					22.05kHz, 32kHz, 44.1kHz, 48kHz					22.05kHz, 32kHz, 44.1kHz, 48kHz			48, 44.1, 32.24, 22.05, 16, 12, 11.025, 8(kHz)	
BITRATE	MPEG1 / 2 Audio Layer3	32-320kbps			32-320kbps			32-320kbps					32-320kbps					32-320kbps				32-320kbps
	MPEG2 Audio Layer3 (LSF)	8-160kbps			8-160kbps			8-160kbps					8-160kbps					8-160kbps				8-160kbps
	MPEG2.5	8-160kbps			8-160kbps			8-160kbps					8-160kbps					8-160kbps				8-160kbps
	WMA	32, 36, 40, 44, 48, 64, 128, 160, 192kbps (WMA V2/V7/V8) 64, 80, 96, 128, 160kbps (WMA V9L1)			32, 36, 40, 44, 48, 64, 128, 160, 192kbps (WMA V2/V7/V8) 64, 80, 96, 128, 160kbps (WMA V9L1)			32, 36, 40, 44, 48, 64, 128, 160, 192kbps (WMA V2/V7/V8) 64, 80, 96, 128, 160kbps (WMA V9L1)						16, 20, 32, 36, 40, 44, 48, 64, 80, 96, 128, 160, 192					16, 20, 32, 36, 40, 44, 48, 64, 80, 96, 128, 160, 192			32, 36, 40, 44, 48, 64, 128, 160, 192kbps (WMA V2/V7/V8) 64, 80, 96, 128, 160kbps (WMA V9L1)
AAC		8-320 kbps (stream generated with iTunes Ver 4.7.1.30 (M4A))		8-320 kbps (stream generated with iTunes Ver 4.7.1.30 (M4A))			8-320 kbps (stream generated with iTunes Ver 4.7.1.30 (M4A))					8-320 kbps (stream generated with iTunes Ver 4.7.1.30 (M4A))						8-320 kbps (stream generated with iTunes Ver 4.7.1.30 (M4A))			8-320 kbps (stream generated with iTunes Ver 4.7.1.30 (M4A))	
OTHERS	DIRECTORY DEPTH	MAX 8		MAX 8		MAX 8		MAX 8		MAX 255		MAX 8		MAX 255		MAX 8		MAX 8				
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	TOTAL FILE NUMBER	510		130560		510		130560		999		65535		999		130560		512				
	TOTAL FOLDER NUMBER	255		512		255		512		255		256		999		255		512				
	FILE NUMBER VIA FOLDER	255		255		255		255		999		999		999		255						
	ID3 TAG	ver-1.x	●			●			●					●				●				
		ver-2.x	●			●			●					●				●				
		TITLE	●			●			●					●				●				
		ARTIST	●			●			●					●				●				
	WMA TAG	ALBUM	●			●			●					●				●				
TITLE		●			●			●					●				●					
ARTIST		●			●			●					●				●					
VBR		●			●			●					●				●					
		●			●			●					●				●					
CODEC	Support for WMA7, WMA8, WMA9, WMA9.1 Lossless voice Not support			Support for WMA7, WMA8, WMA9, WMA9.1 Lossless voice Not support			Support for WMA7, WMA8, WMA9, WMA9.1 Lossless voice Not support			Support for WMA7, WMA8, WMA9, WMA9.1 Lossless voice Not support			Support for WMA7.89, 9.1.92 / Lossless voice Not support			Support for WMA7.89, 9.1.92 / Lossless voice Not support			Support for WMA7.89, 9.1.92 / Lossless voice Not support		Support for WMA7, WMA8, WMA9, WMA9.1 Lossless voice Not support	

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

WARRANTY All Clarion products are covered by a Limited One Year Parts and Labor Warranty. The following Clarion products have a Limited Two-Year Parts and Labor Warranty when purchased from and installed by an authorized Clarion Dealer: - Two-year warranty : CX609, CZ509, FZ709 , DPX2251, DPX1851, DPX11551. ClarionMiND accessories are warranted for 90 days when purchased from an authorized Clarion dealer. ClarionMiND batteries are warranted for 6 months when purchased from an authorized Clarion dealer.



CLARION CORPORATION OF AMERICA

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