Experience the Clarion Difference

Power-up with Our 2013 Product Lineup

Clarion’s 2013 product line-up is designed to both enhance and streamline today’s mobile lifestyle. From multimedia systems featuring our award-winning Smart Access connectivity platform, to our high quality Navigation, DVD and CD source units, powerful amplifiers, subwoofers, speakers, and marine systems - performance and reliability are taken seriously. We work hard to continue raising industry standards and consumer expectations with innovation, experience and a relentless passion to evolve anything that moves you and connects you.

Developed by Clarion, the Smart Access telematics platform allows vehicles to connect to a wealth of information and content in real time. Powerful features are made simple because they’re accessed through apps on your smartphone connected to a Smart Access compatible unit. Customize your experience through your choice of apps, and keep fully updated. Drive at the forefront of what’s happening with Clarion.
Smart Access Connects You to What’s Ahead

Smart Access allows you to easily enjoy the apps you like on NX603 and FX503, through iPhone & Android Smartphone integration. Link your car with your life, with navigation, weather, news, Internet radio, and more.

HDMI Android Connection

Android smartphones with HDMI connections are compatible with Smart Access with the CCA770 or CCA771 video cables. These phones operate in MirrorLink mode, replicating the screen image on the NX603 or FX503 and accept commands from the source unit touch screen.

Smart Access Design

Unlike competing products that require software to be installed on the source unit, Smart Access mirrors the information on the smartphone, allowing you to install a new app on the phone and start using it immediately.

Popular Smart Access Ready Applications

TuneIn
Browse and listen to radio – live, local and global. With the TuneIn Internet Radio app installed on your smartphone, you’ll have access to a vast array of radio programs, from news and talk to world music and rock.

DashCommand
Monitor and analyse the performance of your vehicle through the OBD-2 port and see it all on-screen. Custom gauges can be created through the DashCommand software. Additional OBD-2 interface hardware/App is required.

FB4Car & Tweet4car
Exclusive In-Vehicle Facebook & Twitter applications easily and safely bring social networking into your car. When connected to the NX603 or FX503, you can update your status, check-in and reply to Tweets on the go via voice with Nuance’s Vlingo©.

MotionX-GPS Drive
Traffic, directions and navigation options at your fingertips. MotionX-GPS Drive allows you to receive turn-by-turn directions using custom voice instructions. The app is easy to navigate and saves your favourite locations for easy access.

INRIX Traffic
Never be late getting home or to work again. With INRIX Traffic on your mobile device you can make smarter driving decisions. This powerful Mobile Traffic app gets updated from billions of data points to provide you with accurate real time traffic information.

DriveSuite4Car
This powerful app incorporates streaming weather and news, as well as your Google Calendar and Contacts from your iPhone or Android Smartphone. The heart of the hands free feature of the Smart Access system is the voice launch portion of this app which allows you to access different apps just by saying their name.
Access the Cloud While in Your Vehicle for the Ultimate Driving Experience

BLUETOOTH DVD MULTIMEDIA STATION WITH BUILT-IN NAVIGATION & 6.2-INCH TOUCH PANEL CONTROL

Flick Operation Makes Control More Intuitive Than Ever

The interactive touch screen supports flick operation, so you can quickly scroll to another menu page just like a smartphone screen. Plus, the feature icons are animated for intuitive operation.

Bluetooth for Hands-Free Communication and Stereo Audio Streaming

Bluetooth mobile phone compatibility is the assurance you’ll have easy to use hands-free communication in your vehicle. Enjoy playing music stored on your phone with high quality stereo Bluetooth A2DP wireless stereo audio streaming.

Superior GPS Car Navigation Keeps You on Track Every Time.

The integrated navigation system features iGO primo with map coverage of Canada, all 50 states and Puerto Rico. It includes more than 11 million Points of Interest to make finding your destination easy. Junction View, Lane Assist, 3D Roads, Buildings and Landmarks make iGO primo the most intuitive system on the road. Advanced route analysis balances distance, travel time and turn-type to maximize fuel efficiency for the most intelligent routing possible. Welcome to the ultimate navigation experience.

Vast Entertainment Options Make Every Drive More Enjoyable

The NX603 & FX503 feature iPod and iPhone connectivity for music and video ensuring your media collection is right at your fingertips. Rear USB and a front panel MicroSD slot provide additional connections for your digital media. Satellite Radio, front Aux and rear A/V inputs round out the vast array of external media source selections. Of course, CD & DVD playback as well as compressed media on optical disc serves as the master video source on the NX603.
A New Multimedia Experience

The FX503 was designed for people who live by their smartphone. The on-board tuner and A/V inputs are complemented by media, navigation and information provided exclusively by your mobile device.

Enjoy the music, videos and apps on your iPhone or Android smartphone through large touch screen.

FX503
BLUETOOTH MULTIMEDIA STATION & 6.2-INCH TOUCH PANEL CONTROL

Android and iPhone Connectivity for Seamless Enjoyment

You can easily connect your Android or iPhone to access music and videos stored on your mobile device. Full control is provided from the source unit control panel, with crystal clear sound decoded by the on-board 24-Bit D/A converters. Video playback for supported Android devices is handled by HDMI and iPhone via the Dock Connector.

Operator Safety and Convenience

Add the CCA644 Rear Vision Camera Input cable and a dedicated camera like the high resolution Clarion CC510 and as soon as your put your car in reverse, you can see everything behind your vehicle. Thanks to the superior low-light sensitivity of the CC510, a clear image is visible even on the Darkest of nights.

Original Sound Technology

“Intelligent Tune”

Clarion is long known for a rich audio heritage and the creation of unique sound technologies. We are in constant pursuit of producing premium audio products with high quality sound by incorporating original sound technologies like “Intelligent Tune.”

Time Alignment

The relative output time of each channel can be adjusted to create a stable and realistic sound performance. This advanced processing works to focus vocal images directly in front of the chosen listening position to make it sound like you have a front-row-center seat for a live performance.

Graphic EQ

The NX603 and FX503 are equipped with a multi-channel graphic equalizer with 6 Preset EQ Modes. Just push EQ to switch between Bass Boost, High Boost, Acoustic, Impact, Smooth and Flat presets to select the type of equalization that best matches your style of music.

Sound Restorer

Advanced processing restores high frequency information lost in compressed media files. The result more closely resembles the original sound performance for detail and ambience.

Virtual Bass

Low frequency information in your music can be reduced through low quality compression techniques. Virtual Bass processing restores low frequency information by analysing harmonic content and recreating sub-harmonic information to restore depth and impact to your music.

Volume Smoother

Automatic adjustment of music volume between sources relieves listeners from complicated volume adjustments.
Advanced Functions Prove Information is Power

Built-in IGO primo navigation knows where you are and helps you get where you're going with 12 million Points of Interest to choose from. Total Traffic Network real-time traffic data service keeps you updated on local traffic conditions and helps you travel efficiently.

Create the ultimate acoustic environment with 6-channel time alignment, a 5-band parametric equalizer and accurate and detailed audio reproduction from the 24-Bit D/A converter. These features allow your music to be heard with all the detail and realism that performers put into their recordings. Don't just listen to your music, experience it like you have never heard before.

Variable Key Colour
Blue, green, white or orange? The NX702 and NX602 feature 1.67 Million different colour combinations for panel illumination. You can set Red, Green and Blue to any of 255 levels to match your dash or your style perfectly!

SiriusXM Ready
Add the SXV200C SiriusXM tuner module to enjoy a vast offering of music, information and entertainment. From Howard Stern and Chris 'Mad Dog' Russo to Comedy, Jazz, NASCAR and NHL. Experience more than 120 channels of entertainment in high quality digital sound!

Flexible Access

- Smart Access
- USB
- iPod & iPhone Control
- Built-in Bluetooth with Mic
- HD Radio
- Satellite Radio
- MOS-FET Power Amp
- Pandora
- iPod & iPhone Control
- Bluetooth
- Built-in Microphone
- Player Media

NX602
BLUETOOTH DVD MULTIMEDIA STATION WITH BUILT-IN NAVIGATION & 7-INCH HIGH RESOLUTION TOUCH PANEL CONTROL

- 30 Day Latest Map Guarantee
- Variable Colour Key Illumination
- Pandora Internet Radio Capability
- Built-in HD Radio tuner
- 3D Navigation Maps
- Voice Recognition
- Digital Time Alignment Control and 3-way Crossover

NX702
BLUETOOTH DVD MULTIMEDIA STATION WITH BUILT-IN NAVIGATION & 6.2-INCH TOUCH PANEL CONTROL

- 30 Day Latest Map Guarantee
- Variable Colour Key Illumination
- Pandora Internet Radio Capability
- 3D Navigation Maps

NX602
BLUETOOTH DVD MULTIMEDIA STATION WITH BUILT-IN NAVIGATION & 6.2-INCH TOUCH PANEL CONTROL

- 30 Day Latest Map Guarantee
- Variable Colour Key Illumination
- Pandora Internet Radio Capability
- 3D Navigation Maps

Power Output:
18W × 4 RMS (4 Ω @14.4V ≤ 1% THD+N)
Signal to Noise Ratio:
95dB (Ref; 1W into 4 Ω)

* For functional details please visit the Clarion website. *1 Please see our website for details of compatible iPhone/Android mobiles
*2 iPhone Only
High-Performance Navigation and Entertainment with Compact Dimensions

**NZ503**

**BLUETOOTH DVD MULTIMEDIA STATION WITH BUILT-IN NAVIGATION & 7-INCH MOTORIZED HIGH RESOLUTION TOUCH PANEL CONTROL**

- 30 Day Latest Map Guarantee
- Built-in Bluetooth for Hands-free Calling & Stereo Audio Streaming
- Pandora Internet radio Capability
- 3D Navigation Maps
- Motorized Flip-Out Front Panel
- Front Panel Sub Display

**Gets You There and Keeps You Entertained**

With iGO primo navigation built-in, you get accurate guidance to your destination. To keep you and your passengers entertained along the way, count on iPod/iPhone connectivity, Bluetooth and optional SiriusXM to make things more musical and keep you in touch.

**Power in a Compact Package**

The NZ503 is built around a single DIN-sized chassis. No hide-away modules, black boxes or processor units to deal with. The NZ503 represents incomparable value in the industry and provides a navigation solution that will fit in almost any vehicle.

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**VX401**

**BLUETOOTH DVD MULTIMEDIA STATION WITH 6.2-INCH HIGH RESOLUTION TOUCH PANEL CONTROL**

**Power Output:**

\[18W \times 4 \text{ RMS (4} \Omega \leq 1\% \text{ THD+N)}\]

**Signal to Noise Ratio:**

\[82\text{dB (Ref; 1W into 4} \Omega)\]

**iPod and iPhone Fun**

Connect your iPod or iPhone to the source unit and access the music and videos that are stored on it. Your device can be operated from the source unit’s control panel.

*Optional CCA750 cable is required for video.*

*Please see our website for details of compatible iPod and iPhone models.*

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**VZ401**

**BLUETOOTH DVD MULTIMEDIA STATION WITH 7-INCH HIGH RESOLUTION TOUCH PANEL CONTROL**

**Power Output:**

\[18W \times 4 \text{ RMS (4} \Omega \leq 1\% \text{ THD+N)}\]

**Signal to Noise Ratio:**

\[82\text{dB (Ref; 1W into 4} \Omega)\]

**Navigation Add-on Navigation Ready**

Building your system in steps? The VX401 and VZ401 are with you along the way. By simply adding the NP401, you completely integrate our revolutionary 3D Navigation with touch-screen control. Now, going where you want is faster, safer and more intuitive than ever!

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<th>Optional External Microphone</th>
<th>Built-in Navigation</th>
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<th>Rear vision Camera Ready</th>
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<th>Input / Output</th>
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<th>OEM Steering remote readiness</th>
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*Please see our website for details of compatible iPod and iPhone models.*

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*Optional Add-on — M-Bass-EX*
Home Theater Enjoyment In Your Vehicle

- WXGA Resolution for VT1510B
- Built-in IR Transmitter for Wireless Headphones
- IR Remote Control
- White LED Dome Lights
- 2 x AV Inputs / 1 x AV Output
- Adjustable Colour/Contrast/Brightness/Tint
- Fold Flat Headphone Quantity: 2 (VT1510B/VT1010BFM) / 1 (VT810B)
- DVD/USB/SD (VT1510B/VT1010BFM)
- DVD/USB (VT810B)
- Widescreen LCD Overhead Colour Monitor with DVD Player

FTA800

- 8-inch Widescreen LCD Overhead Colour Monitor with DVD Player
- Front USB and SD/MMC slots support playback of MPEG(1/2/4) and MP3/WMA files.

Rear Vision Camera

CC510

- REAR VISION CMOS CAMERA WITH DISTANCE GUIDES
All new design improves image detail and clarity while raising the bar even higher in low light performance. See in almost complete darkness for the ultimate in safety.
- 1/4” Colour CMOS Sensor Technology • High Visibility Day and Night • Light Sensitivity: 0.5 lux • 180 Degree Horizontal Viewing Angle • 100 Degree Vertical Viewing Angle • IP67 Water Ingress Protection • ASTM D4329 (UV) Certified • Auto Gain Control • Auto White Balance • Mirror Image • Active Pixels: 342,016 (668 horizontal × 512 vertical) • Tilt and Swivel Mounting Bracket Included • Video Output: NTSC • Compact Connector w/ 8-feet (2.5 m) Camera Pigtail • 23-feet (7 m) RCA and Power Connections • Dimensions (mm): 23 (H) × 23 (W) × 22 (D) • Weight: 12 grams • Compatible with CAU001 License Plate Frame Bracket

O P T I O N A L A C C E S S O R I E S

- WH1.4-H Wireless Headphone Systems • Replacement and/or Additional Headphone
- RCB204 External Bluetooth Microphone
- CCA750 Audio/Video Connection Cable for iPod / iPhone
- CCAUSBAV Installable 3.5mm/USB Audio/Video Extension Cable
- CCAUSB Installable USB Extension Cable
- CCAAUX Installable RCA/3.5mm AUX Input Cable

CAU001

- ILLUMINATED LICENSE PLATE FRAME FOR REAR VISION CAMERA
- Die Cast Aluminum Construction • Integrated LED illumination for the license plate • Adjustable vertical camera angle • Anti-Theft hardware included • Designed for CC510
- License Plate Frame Bracket

- Front USB and SD/MMC slots support playback of MPEG(1/2/4) and MP3/WMA files.
Bring Wireless Communication into Your Car

BLUETOOTH/CD/USB/MP3/WMA RECEIVER
• Digital Time Alignment • 728-variable Colour Illumination for keys and LCD • SiriusXM-Ready • iPod / iPhone Compatible • Pandora Internet Radio Capability • Built-in Bluetooth Module for Hands-Free Calling & Audio Streaming • Rear USB • 6-Channel / 5 Volt RCA Output

Digital Time Alignment
Bring a whole new level of reality to your mobile audio experience with Clarion’s Time Alignment equipped CZ702. Now, you can compensate for less-than-perfect factory speaker locations by applying a delay to each output to virtually relocate your speakers for crystal clear sound, incredible soundstage accuracy and amazing dynamics! It’s easy to set up - just measure your speaker distances, enter the information and enjoy.

Built-In Electronic Crossovers
Maximizing the sonic potential of your speakers means operating them within the frequency range they were designed for. The Clarion CZ702 and CZ302 feature built-in electronic crossovers that function on both the preamp outputs and built-in power amplifier. The CZ302 features high- and low-pass crossovers and the CZ702 features the same, plus a 3-way configuration for low, midrange and high frequency filtering.

CD/USB/MP3/WMA RECEIVER
• iPod / iPhone Compatible • Pandora Internet radio Capability • Front Panel USB • 4-channel RCA Output • Beat EQ • Subwoofer Control • Low Pass Filter • IR Remote Included

Subwoofer Level Control
Adding a subwoofer to any mobile entertainment system dramatically increases the realism and impact of even the most modest musical performance. The CZ702, CZ302, CZ202, CZ102 & CX501 offer a dedicated preamp output with Subwoofer Level Control. You can fine tune the level to balance the system for realism or crank it for ground shaking bass. An amp and sub are all you need to experience your music in a whole new way.

iPod S-Control
With the ability to store more than 40,000 songs on a single iPod, being able to navigate your music has never been more important. Clarion’s iPod S-Control makes that task easier than ever. Gone are the days of pressing track-up hundreds of times. When iPod S-Control is enabled on CZ702, CZ302, CZ202 and CX501, the source unit relinquishes control over the iPod, letting you find the track you want quickly and easily, while still allowing it to play through your audio system.

Power Output:
19W × 4 RMS (4Ω @14.4V ≤ 1% THD+N)
Signal to Noise Ratio:
94dB (Ref; 1W into 4Ω)

Power Output:
25W × 4 RMS (4Ω @14.4V ≤ 1% THD+N)
Signal to Noise Ratio:
94dB (Ref; 1W into 4Ω)
USB Integration for Digital Collaboration

CX501
BLUETOOTH MP3/WMA CD/USB RECEIVER
- 728 Colour Illumination for Keys and Display
- iPod and iPhone Control
- Built-In Bluetooth for Hands-free and Audio Streaming
- Subwoofer level Control
- Sirius Satellite Radio Ready

FZ150
USB/SD/MP3/WMA DIGITAL MEDIA RECEIVER
- Front USB Port
- Front SD Card Slot
- Front AUX Input
- MP3 / WMA Playback
- 2-channel RCA Output
- Shallow Mounting Depth
- 4 Preset EQ
- 40W × 4 High Power Amplifier

RG-9451
WEATHERPROOF 12/24V RECEIVER
- IP65 Compliant dust and water resistant front panel
- 6.8G Vibration Resistant
- Front 3.5mm and Rear RCA Auxiliary Inputs
- 12 FM and 12 AM Radio Presets
- Selectable Tuner Freq. - North America & Europe
- 2 Week Radio Station Memory
- Built-In Clock and Alarm Clock
- 12 or 24 Volt Operation
- Shallow 1-DIN Chassis, less than 4.5" deep

Power Output:
- 21W × 4 RMS (4Ω @14.4V ≤ 1% THD+N)
- Signal to Noise Ratio:
- 92dB (Ref; 1W into 4Ω)

2-DIN Solution — Big on Convenience
If your car accepts a 2-DIN source unit, the CX501 is the solution that fits your needs. It features a center-positioned volume control and large buttons for easy operation, taking advantage of the larger surface area allowed by the 2-DIN configuration.

Superior iPod and iPhone
Just connect your iPod or iPhone to the source unit’s USB terminal to access stored music and enjoy it in your car.

728 Colour Illumination
Match your dash or your mood with 728 Colour button and display illumination. From an intense blue, through arctic white and on to hot pink; whatever combination of red, green and blue suits your style, the CX501 can deliver.

The Source Unit that Makes Digital Media Enjoyment Simple
People have music stored on a variety of digital devices and media. So it makes sense for a car audio system to take them into account. The FZ150 has slots for USB and SD card on the front for easy access - it doesn’t get any easier. It even has a front AUX input to broaden your media choices further.

The Heavy Duty Source Unit to Help Improve Your Work Day
Just because you have to work outdoors doesn’t mean you should have to give up your music. At Clarion, our commitment to making superior in-vehicle products extends to meet the rigorous demands of work on a construction site or in an agricultural setting. The RG-9451 rugged AM/FM Receiver that keeps out dust and moisture (IP65 compliant) and handles even the harshest vibrations. Dual Auxiliary inputs means your portable media player or Sat Radio unit can be easily connected.

* For functional details please visit the Clarion website.
A Full Range of Coaxial Speakers to Easily Upgrade Your Car’s Factory Audio System

Advanced Multiaxial and Component Speakers Provide a New Sense of Realism and Detail to Your Music

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<th>Type</th>
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Clarion PXW Subwoofers

PXW subwoofers were designed to handle massive amounts of power and produce mirror-rattling, ground-shaking bass from even modest sized enclosures. Extended motor assemblies allow for massive amounts of excursion while remaining tight and controlled. Available in dual 2- and 4-Ohm voice coil configurations in both 10 and 12-inch sizes, there is always a PXW subwoofer ready to rock your ride, and scare the neighbours.

### SRV250

**150W Max. Amplified Low-profile Design Subwoofer**

Finding space for a subwoofer in your vehicle is not always easy. That’s why Clarion has introduced the new SRV250 powered subwoofer enclosure. Based on a cast aluminum bass-reflex design enclosure for rigidity, vibration control and efficiency. A high quality 6-3/4” Aramid Fiber Reinforced long-travel woofer and a 150W Max Power MOS-FET power amplifier combine to produce impressive bass from an extremely compact package.

The SRV250 includes a remote control that can be located near the driver to allow you to set the crossover point and adjust phase alignment. You can then fine-tune bass output with the level control to match the music style or your mood.

Integration with factory or aftermarket audio systems is easy thanks to the inclusion of both speaker level and RCA input connections. Adding bass is a great way to bring new depth and realism to your music.

### SRV250 Features and Specifications:

- 6-3/4” Subwoofer
- Built-in MOS-FET power amp with 150W Max. output
- Low-profile design allows installation under seat
- AMI-PP cone with Aramid Fiber mixed in polypropylene
- Rigid aluminum die-cast enclosure for tight bass reproduction
- Independent buttons for Gain control/Low-pass filter/Phase shift on Wired Remote Control (cable: 6.5ft)
- RCA and Speaker level inputs
- Remote control extension cable (13ft) included
- Dimension - Main unit: 10-13/16”(W) x 2-3/4”(H) x 7-11/16”(D) Remote control unit: 1-1/4”(W) x 1”(H) x 4-3/8”(D)

### Clarion PXW Subwoofers Specifications:

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<th>Max Power Handling (Watts)</th>
<th>Continuous Power Handling (Watts)</th>
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<th>Co-polymer Composite High Excursion Surround</th>
<th>Dual Strontium Ferrite Magnets</th>
<th>Hyper Extended Vented Pole Piece</th>
<th>S.E.T. (Spider Exhaust Technology) Cooling</th>
<th>Dual Gold Plated Terminals</th>
<th>Linear Poly-Cotton Spider with Integrated Tinsel leads</th>
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**SRV250**

**PXW1251**

**PXW1252**

**PXW1051**

**PXW1052**

**Frequency Response (Hz)**: 20-1.2kHz, 20-1.5kHz, 20-1.2kHz, 20-1.5kHz

**Efficiency (dB/W/m)**: 87, 84, 87, 84

**Number of Voice Coils**: 2, 2, 2, 2

**Impedance (Ohms)**: 2 or 8, 2 or 8, 1 or 4, 1 or 4

**Outside Dimension (Inch)**: 12-3/8, 10-3/8, 12-3/8, 10-3/8

**Mounting Depth (Inch)**: 6-3/8, 5-1/2, 6-3/8, 5-1/2

SPIDER EXHAUST TECHNOLOGY (S.E.T.)

Clarion subwoofers feature SET cooling to allow voice coil heat to escape from the area beneath the spider. SET also allows pressurized air to escape from beneath the spider. This improves overall speaker linearity, efficiency and reduces power compression. The PXW subwoofer allows hot air to escape through the spokes of the basket. This extends to below the spider mounting plateau, providing ventilation and cooling.
Clarion WQ Subwoofers

With decades of experience in designing subwoofers, the WQ series offers smooth frequency response and great extension to bring out the detail and emotion in your music. Careful selection of moving parts combined with a rigid reinforced fiberglass and paper cone ensure deep, tight and dynamic bass.

<table>
<thead>
<tr>
<th>WQ3020D</th>
<th>WQ3021D</th>
<th>WQ2520D</th>
<th>WQ2521D</th>
<th>WF2520</th>
<th>WF2520D</th>
<th>WG3020D</th>
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<tr>
<td>Aluminized Composite Dust Cap</td>
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<td>✔️</td>
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<tr>
<td>Reinforced FRP/ Paper Cone</td>
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<td>✔️</td>
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<tr>
<td>Nitric Butadiene Rubber High Excursion Surround</td>
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<td>✔️</td>
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<tr>
<td>Hyper Extended Vented Pole Piece</td>
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<tr>
<td>Linear Poly-Cotton Spider with Integrated Tinsel leads</td>
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<td>✔️</td>
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<tr>
<td>Custom Stamped Steel Powder Coated Chassis</td>
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<td>✔️</td>
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<tr>
<td>Custom Shallow Stamped Steel Powder Coated Chassis</td>
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<td>Number of Voice Coils</td>
<td>2 or 8</td>
<td>1 or 4</td>
<td>2 or 8</td>
<td>1 or 4</td>
<td>4</td>
<td>2 or 8</td>
<td>4</td>
<td>2 or 8</td>
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<tr>
<td>Impedance (Ohms)</td>
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<td>1 or 4</td>
<td>2 or 8</td>
<td>1 or 4</td>
<td>4</td>
<td>2 or 8</td>
<td>4</td>
<td>2 or 8</td>
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<tr>
<td>Outside Dimension (Inch)</td>
<td>12-21/32</td>
<td>12-21/32</td>
<td>10-21/32</td>
<td>10-21/32</td>
<td>12-21/32</td>
<td>12-21/32</td>
<td>5-7/8</td>
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<td>Mounting Depth (Inch)</td>
<td>6-1/8</td>
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<td>5-15/32</td>
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<td>2-25/32</td>
<td>2-25/32</td>
<td>5-7/8</td>
<td>5-3/8</td>
<td>5-3/8</td>
</tr>
</tbody>
</table>

Clarion Shallow Subwoofers

Put your bass where you want it, not where convention dictates, with Clarion Shallow Mount Subwoofers. Enjoy all the bass you ever wanted in your pickup truck or sports car with subwoofer mounting depths less than 3 inches.

Clarion recommends the use of Bassworx subwoofer enclosures for maximum performance and value from your system.

www.bassworx.com

Clarion WG Subwoofers

The WG subwoofer from Clarion employ many of the same technologies found on the PXW and WQ subwoofers for excellent, reliable performance without breaking the bank. WG series subwoofers have a lower mass cone assembly, and are a perfect choice for enthusiasts looking for dynamic bass response.

www.clarion.com | 13
Intelligent Power
What happens when you combine a computer controlled intelligent power supply with a pure Class AB audio signal path? In the XH7110 you get Clarion’s Hybrid Class GH amplifier design. Capable of producing massive amounts of power, this amplifier controls power supply voltage to boost amplifier efficiency that rivals Class D amplifiers, but with superior sound quality, dynamics and realism. Hear bass like you have never heard it before with the XH7110.

Brute Force Power With The Utmost Of Finesse.
Clarion amplifiers are designed in the USA to produce prodigious amounts of power while offering linear frequency response, excellent damping characteristics and features that surpass products several times their price. If realism and accuracy are the goals for your mobile audio system, then the Clarion XH series of amplifiers can deliver the big block sound that few can match. Treat yourself to a new level of realism with Clarion XH amplifiers.

Great Sound That Is Easy To Install
Features like our Input Voltage Selector (IVS) Sensitivity control offers accuracy and performance that ensures a focused and balanced soundstage while accepting input voltages that range from 0.2V to 8V. Our Precise Frequency Selector (PFS) crossover lets you dial in the exact crossover point you want with a few clicks of the adjustment knob. This allows for accurate and fast system configuration with guaranteed system linearity.

Wirez Amplifier Installation Kits
The performance of your amplifier depends on a proper installation; after all, if you don’t get the power to the amp, you will never get it out to your speakers. Clarion recommends Wirez Amplifier Installation Kits. These kits feature premium quality products that don’t just look cool – they also perform.

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The performance of your amplifier depends on a proper installation; after all, if you don’t get the power to the amp, you will never get it out to your speakers. Clarion recommends Wirez Amplifier Installation Kits. These kits feature premium quality products that don’t just look cool – they also perform.

www.gotwirez.com

### Specifications

<table>
<thead>
<tr>
<th></th>
<th>XH7110</th>
<th>XH5410</th>
<th>XH5210</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Power Output (Watts)</td>
<td>850</td>
<td>640</td>
<td>320</td>
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<tr>
<td>Continuous Output Power (Watts) 4-Ohms</td>
<td>450W x 1</td>
<td>90W x 4</td>
<td>90W x 2</td>
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<tr>
<td>Continuous Output Power (Watts) 2-Ohms</td>
<td>850W x 1</td>
<td>160W x 4</td>
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<tr>
<td>Continuous Output Power (Watts) Bridged @ 4-Ohms</td>
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<td>320W x 2</td>
<td>320W x 1</td>
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<tr>
<td>Input Voltage Selector (IVS) Sensitivity Control</td>
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<td>—</td>
<td>—</td>
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<tr>
<td>Precise Frequency Selector (PFS) Crossover Control</td>
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<td>MOS-FET Power Supply</td>
<td>MONO</td>
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<tr>
<td>2-Ohm Mono Stable</td>
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<td>1-Ohm Mono Stable</td>
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<tr>
<td>Computer Controlled Forced Induction Cooling</td>
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<tr>
<td>Wired Remote Bass Level Control Ready (BC2)</td>
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<tr>
<td>Variable Bass Boost 0-15dB @ 30-125Hz</td>
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<tr>
<td>Variable Bass Boost 0-15dB @ 45kHz</td>
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<tr>
<td>Gold Plated Connectors; RCA / Speaker / Power</td>
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<tr>
<td>Speaker Level Input</td>
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<tr>
<td>Dimensions (W&quot; x L&quot; x H&quot;)</td>
<td>16-1/32 x 9 x 2-5/8</td>
<td>14-3/4 x 9 x 2-5/8</td>
<td>12-7/16 x 9 x 2-5/8</td>
</tr>
</tbody>
</table>

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**BC2**
Wired Remote Bass Level Control for XH7110 Amplifier

**MCD360**
3-way Electronic Crossover

**EQS746**
1/2-DIN Graphic EQ/Crossover

www.clarion.com
**XC Series Amplifiers**

A small footprint with a big sound - Clarion XC compact amplifiers are designed to crank out serious power while occupying only a few square inches of valuable real estate. Designed using the latest ultra high speed Class D circuitry, the XC amplifiers produce an effortless 85 Watts per channel. They feature automatic signal sensing turn-on capability making them easy to integrate with OEM audio systems to drive speakers, subwoofers or both. Crossovers, bass boost circuitry and adjustable level controls ensure that these amps are ready to take on any challenge you throw at them.

**XR Amplifiers**

The Clarion XR series of amplifiers are built to look tough while offering rock solid performance and all the features you need – these amps are the perfect solution for any audio enthusiast. The XR amplifiers are easy to install and configure. Built-in electronic crossovers, speaker level inputs, selectable bass boost controls and more allow your installer to have your system up and running quickly and tuned for the best possible performance.

---

### XC1410 Ultra Compact Amplifier

Clarion introduces a whole new amplification solution with the XC1410 ultra compact amplifier. Combine the latest compact switching devices with a high efficiency Class D design and you have an amplifier that you can hide almost anywhere. The compact chassis is only 1-3/8” thick!

RCA and speaker level inputs with auto-turn on make integration with aftermarket and OEM head units quick and easy.

The XC1410 is capable of powering loads as low as 2 Ohms with up to 75 Watts of continuous power per channel. This means you have up to 300% more power than a conventional head unit to drive your speakers. This brings your music to life, adding impact and detail, and of course more output to let you crank that volume to the max!

---

### Technical Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Total Power Output (Watts)</th>
<th>Continuous Output Power (Watts) 4 Ohms</th>
<th>Continuous Output Power (Watts) 2 Ohms</th>
<th>Continuous Output Power (Watts) Bridged @ 4 Ohms</th>
<th>Signal Sensing Turn-On</th>
<th>Precise Frequency Selector (P.F.S.)</th>
<th>Conformally Coated PC Board</th>
<th>Number of Channels</th>
<th>MOS-FET Power Supply</th>
<th>2-Ohm Stable</th>
<th>2-Ohm Mono Stable</th>
<th>Selectable Bass Boost; 0/6/12dB @ 50Hz</th>
<th>Independent Front / Rear Adjustable -12db/Oct, High/Low</th>
<th>Adjustable -12db/Oct, High/Low Pass Crossover, 30-300Hz</th>
<th>Adjustable Low Pass Crossover @ 30-300Hz</th>
<th>Adjustable Bass Boost; 0-15dB @ 45Hz</th>
<th>Plated Connectors; RCA / Speaker / Power</th>
<th>Dimensions (W” x L” x H”)</th>
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</thead>
<tbody>
<tr>
<td>XR2120</td>
<td>400</td>
<td>300W x 1</td>
<td>60W x 4</td>
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<td>—</td>
<td>MONO</td>
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<td>Nickel</td>
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</table>

Dimensions: 11-7/8” x 11 x 2-1/4
Marine Audio Systems

The First Marine Source Unit with Video Playback on an Integrated Screen

WATERTIGHT MARINE DVD/CD/USB VIDEO RECEIVER WITH 3.5-INCH COLOUR LCD

- 3.5-inch colour LCD display
- Stainless Steel Chassis

Engineered to Withstand Water and Salt

The CMV1 and CMD9 have been tested and certified to offer protection against water intrusion and resistance to salt fog corrosion. Rubber gaskets and integrated drainage channels keep water out. Should any water get behind the radio, the stainless steel chassis and integrated drip shield helps protect internal circuitry from the effects of moisture, corrosion and mildew. The two-tone design provides high contrast for superior usability, plus both offer a colour LCD for vibrant graphics and detail. This is durability you can rely on for the extreme marine environment.

Control From Anywhere On Board

2013 Clarion Marine source units that are wired remote ready can be controlled easily from almost anywhere on your boat. All these units are wired remote control ready – meaning you can add the MW1, MW2 or MW4 wired remotes or the MF1 or MR1 RF remote controls. All units except the CMS1 work with IR remotes as well – so even across the cabin or cockpit, your music is right at your fingertips.

Satellite & Internet Radio Ready

Listen to the music you want when you want it. With SiriusXM, and Pandora compatibility, listening to music just got easier. To access the Genre of music you are in the mood for NOW! Internet radio enhances the music listening experience as you now become the DJ. With Pandora connectivity from your iPhone, you can listen to the stations you created and enjoy them when you want!

CMV1
- Video/DVD/Pod
- CD
- iPod/iPhone Control
- SiriusXM Ready
- Audio Format: MP3/WMA
- USB: Rear
- Bass EQ 12
- Magna Bas EQ
- Process EQ
- BBE
- AUX Input: Rear
- 2V/4ch
- Fixed Audio Output
- Stainless Chassis
- Wired Remote Ready

CMD8
- Video/DVD/Pod
- CD
- iPod/iPhone Control
- SiriusXM Ready
- Audio Format: MP3/WMA
- USB: Rear
- Bass EQ 12
- Magna Bas EQ
- Process EQ
- BBE
- AUX Input: Rear
- 2V/4ch
- Fixed Audio Output
- Stainless Chassis
- Wired Remote Ready

Watertight Marine CD/USB Receiver with iPod / iPhone Connectivity

WATERTIGHT MARINE CD/USB RECEIVER

- SiriusXM-Ready
- Pandora Internet Radio

 Seamlessly Supports all Your Media

CMV1, CMS5, CMD9, CMD8 and M303 support digital media of all kinds — CD, MP3 and WMA digital audio files on disc or USB memory, as well as playback of music stored on your iPod or iPhone complete with genre/album/song title search. ID3-TAG coding is also supported so you’ll be able to see the title information of music files being played back. Your music doesn’t stop at shore, it’s only just beginning.
J1939 CAN Bus Integration

Just as data networks have revolutionized the way our cars and trucks work, this technology revolutionized the way electronic devices communicate on our boats. Clarion has launched J1939 CAN Bus integration on the CMD9 and CMS5. Now, your chartplotter or MFD (Multi-Function Device) can not only handle navigation, radar, sonar, and engine information, but you can control your entertainment system as well.

Bluetooth Connectivity

The inclusion of Bluetooth in the M502 and M303 provides users with a convenient way to stream high quality stereo audio from your smartphone. AVRCP control allows you to change tracks, play or pause the music all from the face of the radio. Hands-Free profile lets you answer phone calls as well thanks to the built-in front panel microphone.

Rear USB for Digital Media Connectivity

The rear USB connection allows you to play music from Apple devices like the iPod, iPhone, iPad or iPad Mini without imposing a restriction on physical size. Load up a USB memory stick with MP3 or WMA files and have access to thousands of songs with easy folder navigation.

Marine Specific Features

Clarion understands that not everyone gets to enjoy their boat all year. For those of you who use your boats only on weekends and store them over the winter, Clarion has designed the M303 to draw as little current as possible when off and retain radio station presets for up to a year.

For functional details please visit the Clarion website. *1 CCA750 required.
Ride the Waves with Endless Entertainment

**DIGITAL MEDIA RECEIVER WITH WATERTIGHT COMMANDER**

Hide away Source Unit for the Ultimate in Installation Convenience

Clarion’s CMS5 & CMS1 feature a two-piece design that allows for nearly limitless installation opportunities. AM/FM and Weather Band tuners are built in, and with a wide variety of connections including USB and iPod allows you to easily create a system that’s customized to your exact needs.

**MARINE DIGITAL MEDIA RECEIVER WITH BUILT-IN BLUETOOTH**

- Bluetooth Stereo Audio Streaming and Hands-free Calling
- Rear USB Port with iPod and iPhone Audio Direct Connect

**MARINE CD RECEIVER**

- AM/FM Tuner with 18FM/6AM Presets
- Front 3.5mm Aux Input • Reverse LCD Display
- Conformally Coated PCB • Detachable Control Panel

**OPTIONAL ACCESSORIES**

- RTR600B & RTR600W
  Manual Marine Radio Covers (Available in Black or White)
- BNC5200B & BNC5200W
  Hydraulic Marine Radio Covers (Available in Black or White)
- CCAUXBAV
  Installable 3.5mm USB Audio/Video Cable
- CCAUX5200
  Installable RCA /3.5mm AUX Cable
- CCAUSB
  Installable USB Cable
- CCAUX
  Installable USB Cable
- CCLIPD2
  Connection Cable for iPod for CMS1

**MARINE DIGITAL MEDIA RECEIVER WITH WATERTIGHT COMMANDER**

- Power Output: 18W × 4 RMS (4Ω @ 14.4V ≤ 1% THD+N)
- Signal to Noise Ratio: 83dB (Ref; 1W into 4Ω)

**RIDE THE WAVES WITH ENDLESS ENTERTAINMENT**

**7-WAY ROTARY VOLUME CONTROL**

The unique and convenient 7-way Rotary Volume Control means you can control all the key functions of the M502 while keeping your eyes on what’s happening in front of the boat. This is the new benchmark for safety and convenience on the water.

**SIRIUSXM**

- SXV2000C
  SiriusXM Satellite Radio Direct Connect Tuner
  • Compatible with optional SRA25 Antenna

- SCC1C
  Sirius Satellite Radio Direct Connect Tuner

- SRA25
  Marine Sirius Antenna (Includes 25’ Cable)
  • Compatible with SCC1C and SXV2000C Tuners.

**SYSTEM CONTROL FROM ANYWHERE ONBOARD**

**MW1**

- Watertight Marine Remote Control with LCD
  for CMV1, CMD9, CMD8, M303, CMS5, M502, or CMS1

- optional Pedestal Mount for CMS1

**MW2**

- Watertight Marine Remote Control
  for CMV1, CMD9, CMD8, M303, M502, or CMS1

**MW4**

- Watertight 3-inch Colour LCD
  Marine Wired Remote Control
  for CMV1, CMD9, M303, M502, or CMS1
  Album art display when connected to CM55 or CMD9.

**MR1**

- Steering Wheel RF Remote Control
  for CMV1, CMD9, CMD8, M303, CMS5, M502, or CMS1

**OPTIONAL ACCESSORIES**

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCAIPOD2</td>
<td>iPod &amp; iPhone Control</td>
</tr>
<tr>
<td>SCC1C</td>
<td>Built-in Bluetooth</td>
</tr>
<tr>
<td>MAGNA</td>
<td>Built-in WMA, USB, 2 Enhancer, and Equalizer</td>
</tr>
<tr>
<td>AUX</td>
<td>Input / Output</td>
</tr>
<tr>
<td>BNC5200W</td>
<td>7-way Rotary Volume Control</td>
</tr>
<tr>
<td>M502</td>
<td>Rear</td>
</tr>
<tr>
<td>M109</td>
<td>Front</td>
</tr>
</tbody>
</table>

* For functional details please visit the Clarion website. *1 SiriusXM-Connect™ Vehicle Tuner
SERIES MARINE AMPLIFIERS

Marine Ready
Nickel-Plated hardware and a conformal coating on the PCB ensures reliability and longevity on the water.

<table>
<thead>
<tr>
<th>Model</th>
<th>Max Power Output</th>
<th>4-Ohms</th>
<th>2-Ohms</th>
<th>Bridge 4-Ohms</th>
<th>Channels</th>
<th>Dimensions (W” x L” x H”)</th>
<th>CEA 2006 Power Ratings</th>
</tr>
</thead>
<tbody>
<tr>
<td>XC6610</td>
<td>1000W</td>
<td>85W x 6</td>
<td>125W x 6</td>
<td>250W x 3</td>
<td>6/5/4/3</td>
<td>11-3/8 x 6-7/8 x 2-3/16</td>
<td>125W x 6 @ 2Ohms</td>
</tr>
<tr>
<td>XC6410</td>
<td>600W</td>
<td>85W x 4</td>
<td>125W x 4</td>
<td>250W x 2</td>
<td>4/3/2</td>
<td>8-3/4 x 6-7/8 x 2-3/16</td>
<td>125W x 4 @ 2Ohms</td>
</tr>
<tr>
<td>XC6210</td>
<td>350W</td>
<td>85W x 2</td>
<td>125W x 2</td>
<td>250W</td>
<td>2/1</td>
<td>6-3/8 x 6-7/8 x 2-3/16</td>
<td>125W x 2 @ 2Ohms</td>
</tr>
<tr>
<td>XC1410</td>
<td>300W</td>
<td>50W x 4</td>
<td>75W x 4</td>
<td>—</td>
<td>4</td>
<td>7-1/8 X 2-3/4 X 1-3/8</td>
<td>75W x 4 @ 2Ohms</td>
</tr>
</tbody>
</table>

CLASS D AMPLIFIERS

MARINE SPEAKERS AND SUBWOOFERS

<table>
<thead>
<tr>
<th>Model</th>
<th>Size</th>
<th>Maximum Power</th>
<th>Type</th>
<th>CE-2031 Speaker Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMG2512W</td>
<td>10”</td>
<td>350W</td>
<td>Water-Resistant Subwoofer</td>
<td>Maximum Continuous Power: 150 Watts Impedance: 4 Ohms</td>
</tr>
<tr>
<td>CMG1722R</td>
<td>7”</td>
<td>100W</td>
<td>Water-Resistant 2-Way Coaxial</td>
<td>Maximum Continuous Power: 50 Watts Impedance: 4 Ohms</td>
</tr>
<tr>
<td>CMG1622S</td>
<td>6-1/2”</td>
<td>120W</td>
<td>Water Resistant 2-Way Component Speaker System</td>
<td>Maximum Continuous Power: 60 Watts Impedance: 4 Ohms</td>
</tr>
<tr>
<td>CMG1622R</td>
<td>6-1/2”</td>
<td>100W</td>
<td>Water-Resistant 2-Way Coaxial</td>
<td>Maximum Continuous Power: 50 Watts Impedance: 4 Ohms</td>
</tr>
</tbody>
</table>

HIGH PERFORMANCE MARINE SPEAKERS AND SUBWOOFERS

<table>
<thead>
<tr>
<th>Model</th>
<th>Size</th>
<th>Maximum Power</th>
<th>Type</th>
<th>CE-2031 Speaker Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMQ2512W</td>
<td>10”</td>
<td>400W</td>
<td>Water-Resistant Subwoofer</td>
<td>Maximum Continuous Power: 180 Watts Impedance: 4 Ohms</td>
</tr>
<tr>
<td>CMQ1622R</td>
<td>6-1/2”</td>
<td>120W</td>
<td>Water-Resistant 2-Way Coaxial</td>
<td>Maximum Continuous Power: 60 Watts Impedance: 4 Ohms</td>
</tr>
<tr>
<td>CMQ6922R</td>
<td>6”</td>
<td>150W</td>
<td>Water Resistant 2-Way Coaxial</td>
<td>Maximum Continuous Power: 80 Watts Impedance: 4 Ohms</td>
</tr>
</tbody>
</table>

WAKEBOARD TOWER ENCLOSURES & SPEAKER ACCESSORIES

Tower Speaker Enclosures
- Available in high gloss gel-coat silver, white or black finishes
- Fiberglass construction for rigidity and low mass
- Compatible with optional 9WLED-B lighting kit
- Compatible with all Clarion 7-inch Marine Coaxial Speakers
- 4 terminal quick-connect speaker/power jack molded into each enclosure
- Includes universal aluminum mounting clamps – fits 2”-2.5” bars

9WLED-B
1 Pair of 9 Watt LED Lights for WTE7 Tower Speaker Enclosures
- 1 pair of 9W LED lights with Black Bezel
- Designed for WTE7 tower speaker enclosures

WTE7S
1 Pair Silver 7-inch Fiberglass Tower Speaker Enclosures

WTE7W
1 Pair White 7-inch Fiberglass Tower Speaker Enclosures

WTE7B
1 Pair Black 7-inch Fiberglass Tower Speaker Enclosures

CML1600
Illuminated Grille for 6-1/2” Marine Speakers (Sold in pairs)
Compatible with CMQ1622S and CMQ1622R

CML2500
Illuminated Grille for 10” Marine Subwoofer
Compatible with CMG2512W

Please see www.clarion.com for additional speaker grille compatibility. Speakers not included.

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WTE7B
1 Pair Black 7-inch Fiberglass Tower Speaker Enclosures

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Compatible with CMG2512W

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Compatible with CMG2512W

CML1600
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Compatible with CMQ1622S and CMQ1622R

Please see www.clarion.com for additional speaker grille compatibility. Speakers not included.
Rock the Water with a Clarion Marine Entertainment System

Whether you’re into hardcore watersports, cruising to your favorite hideaway or hanging out at the dock with friends, Clarion knows that a high-performance entertainment system makes the day more enjoyable.

The 2013 Marine Entertainment Systems offer innovative and reliable watertight source unit chassis with high resistance to destructive UV and Salt/Fog exposure. Select marine models are compatible with the J1939 CAN Bus Interface allowing control via your boat’s multi-function display.

www.clarion.com

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