



## XC6 Multi-Channel Amplifiers

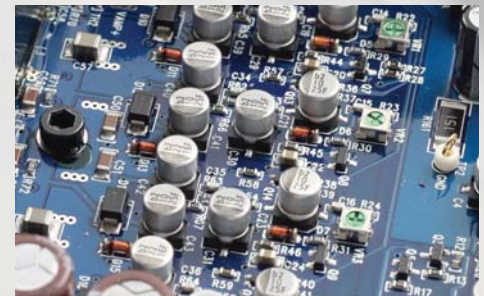
Designed using the latest ultra high speed Class D circuitry, these multi-channel amplifiers produce an effortless 85 Watts per channel with response to beyond 74kHz. Automatic signal sensing turn-on capability to makes them easy to integrate with OEM audio systems. Electronic Crossovers and Bass Boost circuitry ensure that these amps are ready to take on any challenge you throw at them. The XC6620 and XC6420 include our BC2 remote level control for use with a subwoofer.

## XC6120 Subwoofer Amplifier

The new Clarion XC6120 was designed to offer installation flexibility, easy tuning and amazing performance. Equipped with both low-pass and infrasonic filters, a 12dB Bass Boost circuit and our BC2 remote level control, you have everything you need to dial in your subwoofer system. The XC6120 sets the bar high with damping factor of 580 at 2 Ohms for amazing control! The XC6120 isn't short on power - with way more than 650W on tap, you know your bass will hit hard and sound great!

## Class Leading Design

The use of modern designs and components ensures consistency, reliability and efficiency. Clarion XC amps make extensive use of the latest surface mount components to offer the most value, performance and reliability for your dollar.



## Ready to Rock the Waves

Clarion XC6 Series amplifiers are designed with corrosion resistant connectors, aluminum heat sinks and conformally coated circuit boards to handle the humid conditions associated with marine applications.

## XC1410 Ultra Compact Amplifiers



## Ultra Compact Amps - Small Size, BIG POWER!

The XC1410 is capable of powering loads as low as 2 Ohms per channel with up to 75 Watts of continuous power. 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!

The XC1110 is rated to effortlessly produce 350 Watts into a 2 Ohm load and more than 200 Watts into a 4 Ohm load. Add a subwoofer or two of your choice to bring depth and realism to your audio system!

	XC1410	XC1110	XC6620	XC6420	XC6210	XC6120
Total Continuous Power Output (Watts) @ <1% THD+N	300	350	750	500	250	650
Continuous Output Power (Watts) 4-Ohms	50W x 4	200W x 1	85W x 6	85W x 4	85W x 2	330W x 1
Continuous Output Power (Watts) 2-Ohms	75W x 4	350W x 1	125W x 6	125W x 4	125W x 2	650W x 1
Continuous Output Power (Watts) Bridged @ 4-Ohms	—	—	250W x 3	250W x 2	250W x 1	—
Signal Sensing Turn-On	—	—	●	●	—	—
BC2 Subwoofer Level Control Included	—	—	●	●	—	●
Conformally Coated PC Board	—	—	●	●	●	●
Number of Channels	4	1	6/5/4/3	4/3/2	2/1	1
MOS-FET Power Supply	●	●	●	●	●	●
2-Ohm Stereo Stable	●	—	●	●	●	—
2-Ohm Mono Stable	—	●	—	—	—	●
Adjustable Low Pass Crossover @ 50-500Hz	—	—	—	—	—	●
Adjustable Infrasonic Filter, 10-50Hz	—	—	—	—	—	●
Independent Front / Rear Adjustable -12db/Oct. High/Low Pass Crossover, 30-300Hz	—	—	●	●	—	—
Adjustable -12db/Oct. High/Low Pass Crossover, 50-300Hz	—	—	●	—	●	—
Selectable Low Pass Crossover: 60Hz / 90Hz / Off	—	●	—	—	—	—
Variable Bass Boost; 0-15dB @ 45Hz	—	10dB at 50Hz	●	●	—	—
Plated Connectors; RCA / Speaker / Power	—	—	● Nickel	● Nickel	● Nickel	● Nickel
Speaker Level Input	●	●	●	●	●	●
Dimensions (W" x L" x H")	7-1/8 x 2-3/4 x 1-3/8	7-1/8 x 2-3/4 x 1-3/8	11-3/8 x 6-7/8 x 2-3/16	8-3/4 x 6-7/8 x 2-3/16	6-3/8 x 6-7/8 x 2-3/16	8-3/4 x 6-7/8 x 2-3/16



XH7110



XH5410



XH5210

## Brute Force Power With The Utmost Finesse

Clarion XH Series 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.

## Intelligence by Design

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.

## XH Series Advanced Features

Maximizing the performance of your mobile audio system involves choosing the best equipment, installing it properly and tuning it for maximum performance. The amp guru's at Clarion have included Input Voltage Selector (IVS) and Precise Frequency Selector (PFS) to help you get the most from your system in the least amount of time. PFS uses a 31-position crossover control to let you dial in the exact crossover point on your sub and highs amp in seconds. The IVS system uses a narrow range sensitivity control to reduce the chance of channel imbalance. This results in a more accurate, more realistic soundstage in your vehicle.



XR2120



XR2420



XR2220

## XR Series 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.

	XH7110	XH5410	XH5210	XR2120	XR2420	XR2220
Total Power Output (Watts)	850	640	320	400	360	180
Continuous Output Power (Watts) 4-Ohms	450W x 1	90W x 4	90W x 2	300W x 1	60W x 4	60W x 2
Continuous Output Power (Watts) 2-Ohms	850W x 1	160W x 4	160W x 2	400W x 1	90W x 4	90W x 2
Continuous Output Power (Watts) Bridged @ 4-Ohms	—	320W x 2	320W x 1	—	180W x 2	180W x 1
Input Voltage Selector (I.V.S.) Sensitivity Control	●	●	●	—	—	—
Precise Frequency Selector (P.F.S.) Crossover Control	●	●	●	—	—	—
(P.F.S.) -24dB / Oct. Low Pass Crossover, 30-230Hz	●	—	—	—	—	—
(P.F.S.) -18dB / Oct. High/Low Pass Crossover, 50Hz - 575Hz, 525Hz - 5.8kHz	—	●	●	—	—	—
Adjustable Subsonic Filter, 10-80Hz	●	—	—	—	—	—
Number of Channels	1	4/3/2	2/1	1	4/3/2	2/1
MOS-FET Power Supply	●	●	●	●	●	●
2-Ohm Stereo Stable	—	●	●	—	●	●
2-Ohm Mono Stable	●	—	—	—	—	—
1-Ohm Mono Stable	●	—	—	—	—	—
Computer Controlled Forced Induction Cooling	●	●	●	—	—	—
Wired Remote Bass Level Control Ready (BC2)	●	—	—	—	—	—
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")	16-1/32 x 9 x 2-5/8	14-3/4 x 9 x 2-5/8	12-7/16 x 9 x 2-5/8	11-7/8 x 11 x 2-1/4	11-7/8 x 11 x 2-1/4	7-7/8 x 11 x 2-1/4

**BC2**  
Wired Remote Level Control  
for XH7110 and XC6 Series



**MCD360**  
3-way Electronic Crossover



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





## Clarion PXW Subwoofers

PXW Series 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 huge amounts of excursion while remaining tight and controlled. PXW Series subwoofers are available in dual 2- and 4-Ohm voice coil configurations in both 10 and 12-inch sizes.



## SRV250

### Amplified Low-profile Subwoofer

Finding space for a subwoofer in your vehicle is not always easy. That's why Clarion offers the SRV250 powered subwoofer enclosure. It features a cast aluminum bass-reflex enclosure for maximum 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 controls for Gain, Crossover Frequency and Phase on Wired Remote Control (cable: 6.5ft)
- RCA and Speaker level inputs
- Remote control extension cable (13ft) included



### PXW1251

1500W MAX. 12" DUAL 2-OHM VOICE COIL SUBWOOFER



### PXW1252

1500W MAX. 12" DUAL 4-OHM VOICE COIL SUBWOOFER



### PXW1051

1500W MAX. 10" DUAL 2-OHM VOICE COIL SUBWOOFER

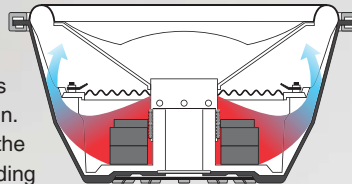


### PXW1052

1500W MAX. 10" DUAL 4-OHM VOICE COIL SUBWOOFER

### 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.



	PXW1252	PXW1052	PXW1251	PXW1051
Max Power Handling (Watts)	1500	1500	1500	1500
Continuous Power Handling (Watts)	500	500	500	500
Polypropylene Electrolytic Spun Aluminum Coated Dust Cap	●	●	●	●
Kevlar/Paper Composite Cone Design	●	●	●	●
Co-polymer Composite High Excursion Surround	●	●	●	●
Dual Strontium Ferrite Magnets	●	●	●	●
Hyper Extended Vented Pole Piece	●	●	●	●
S.E.T. (Spider Exhaust Technology) Cooling	●	●	●	●
Dual Gold Plated Terminals	●	●	●	●
Linear Poly-Cotton Spider with Integrated Tinsel leads	●	●	●	●
Frequency Response (Hz)	<20-1.2k	<20-1.5k	<20-1.2k	<20-1.5k
Efficiency (dB/W/m)	87	84	87	84
Custom Designed Die Cast Aluminum Basket	●	●	●	●
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



### WQ3020D

1500W MAX. 12" DUAL 4-OHM VOICE COIL SUBWOOFER

### WQ3021D

1500W MAX. 12" DUAL 2-OHM VOICE COIL SUBWOOFER



### WQ2520D

1500W MAX. 10" DUAL 4-OHM VOICE COIL SUBWOOFER

### WQ2521D

1500W MAX. 10" DUAL 2-OHM VOICE COIL SUBWOOFER

## 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.



### WG3020

1000W MAX. 12" SINGLE 4-OHM VOICE COIL SUBWOOFER

### WG3020D

1000W MAX. 12" DUAL 4-OHM VOICE COIL SUBWOOFER



### WG2520

1000W MAX. 10" SINGLE 4-OHM VOICE COIL SUBWOOFER

### WG2520D

1000W MAX. 10" DUAL 4-OHM VOICE COIL SUBWOOFER

## Clarion WG Subwoofers

The WG Series subwoofers from Clarion employ many of the same technologies found on the PXW and WQ Series 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.



### WF2520

1000W MAX. 10" SINGLE 4-OHM VOICE COIL SHALLOW SUBWOOFER

### WF2520D

1000W MAX. 10" DUAL 4-OHM VOICE COIL SHALLOW SUBWOOFER

## 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 WF subwoofers are optimized for small (0.5 - 0.6 ft3) ported enclosures for maximum output and power handling.

## Enhanced Power Handling

All Clarion Subwoofers feature vented pole pieces, high temperature voice coil formers and our Spider Exhaust Technology voice coil cooling to prevent power compression and thermal damage. These technologies also work together to prevent air from being pressurized under the spider and dust cap for improved linearity and high excursion levels. The result are subwoofers that sound great at moderate listening levels, but that can also be pushed hard when you want to shake body panels!

	WQ3020D	WQ3021D	WQ2520D	WQ2521D	WF2520	WF2520D	WG3020D	WG3020	WG2520D	WG2520
Max Power Handling (Watts)	1500	1500	1500	1500	1000	1000	1000	1000	1000	1000
Continuous Power Handling (Watts)	500	500	500	500	300	300	300	300	300	300
Aluminized Composite Dust Cap	●	●	●	●	●	●	●	●	●	●
Reinforced FRP/ Paper Cone	●	●	●	●	●	●	●	●	●	●
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 Terminals	●	●	●	●	—	—	—	—	—	—
Linear Poly-Cotton Spider with Integrated Tinsel leads	—	—	—	—	●	●	—	—	—	—
Custom Stamped Steel Powder Coated Chassis	●	●	●	●	—	—	●	●	●	●
Custom Shallow Stamped Steel Powder Coated Chassis	—	—	—	—	●	●	—	—	—	—
Frequency Response (Hz)	<25-1000	<25-1000	<25-1000	<25-1000	<30-1000	<30-1000	<25-1000	<25-1000	<30-1000	<30-1000
Efficiency @ 2.83V	89.19dB	92.28dB	87.55dB	90.38dB	87.83dB	84.73dB	87.81dB	91.91dB	86.74dB	89.46
Stamped Steel Basket	●	●	●	●	●	●	●	●	●	●
Number of Voice Coils	2	2	2	2	1	2	2	1	2	1
Impedance (Ohms)	2 or 8	1 or 4	2 or 8	1 or 4	4	2 or 8	2 or 8	4	2 or 8	4
Outside Dimension (Inch)	12-21/32	12-21/32	10-21/32	10-21/32	10-21/32	10-21/32	12	12	10-1/4	10-1/4
Mounting Depth (Inch)	6-1/8	6-1/8	5-15/32	5-15/32	2-25/32	2-25/32	5-7/8	5-7/8	5-3/8	5-3/8

## Technology Resonating with Brilliant Sound



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



	Size	Maximum Music Power	Type	CEA-2031 Speaker Rating
<b>SRQ1722S</b>	6-3/4"	400W	2-Way Component System	Maximum Continuous Power:55 Watts Impedance: 4 Ohms
<b>SRQ1623S</b>	6-1/2"	350W	2-Way Component System	Maximum Continuous Power:55 Watts Impedance: 4 Ohms
<b>SRQ6934R</b>	6" x 9"	500W	Multiaxial 3-Way	Maximum Continuous Power:80 Watts Impedance: 4 Ohms
<b>SRQ1732R</b>	6-3/4"	400W	Multiaxial 3-Way	Maximum Continuous Power:55 Watts Impedance: 4 Ohms
<b>SRQ1633R</b>	6-1/2"	350W	Multiaxial 3-Way	Maximum Continuous Power:55 Watts Impedance: 4 Ohms
<b>SRQ6833C</b>	6" x 8"	350W	Custom Fit Multiaxial 3-Way	Maximum Continuous Power:55 Watts Impedance: 4 Ohms
<b>SRQ1332R</b>	5-1/4"	300W	Multiaxial 3-Way	Maximum Continuous Power:35 Watts Impedance: 4 Ohms

### Strontium Magnets

Clarion speakers feature Strontium Ferrite magnets in our SRG and SRQ Series. These magnets offer a stronger magnetic field for increased efficiency and improved dynamics and bass response. Clarion speakers offer excellent value and performance in sizes from 4" to 6x9" and everything in between.



### Aramid Mica Injected Woofer Cones

Ensuring the perfect balance of rigidity, damping and stiffness, Clarion utilizes a unique polypropylene mixture that incorporates Mica Mineral Dust and Aramid fibres to reduce flexing and resonance, but also increase thermal stability. The result is a speaker that sounds great at both low and high listening levels, even after extended play periods.



A Full Range of Coaxial Speakers to Easily Upgrade Your Car's Factory Audio System



	Size	Maximum Music Power	Type	CEA-2031 Speaker Rating
<b>SRG1623S</b>	6-1/2"	350W	2-Way Component System	Maximum Continuous Power:40 Watts Impedance: 4 Ohms
<b>SRG1633R</b>	6-1/2"	350W	Coaxial 3-Way	Maximum Continuous Power:50 Watts Impedance: 4 Ohms
<b>SRG1623R</b>	6-1/2"	260W	Coaxial 2-Way	Maximum Continuous Power:40 Watts Impedance: 4 Ohms
<b>SRG1323R</b>	5-1/4"	230W	Coaxial 2-Way	Maximum Continuous Power:35 Watts Impedance: 4 Ohms
<b>SRG1023R</b>	4"	200W	Coaxial 2-Way	Maximum Continuous Power:30 Watts Impedance: 4 Ohms
<b>SRG6953R</b>	6" x 9"	600W	Multiaxial 5-Way	Maximum Continuous Power:100 Watts Impedance: 4 Ohms
<b>SRG6933R</b>	6" x 9"	450W	Multiaxial 3-Way	Maximum Continuous Power:60 Watts Impedance: 4 Ohms
<b>SRG6833C</b>	6" x 8"	300W	Multiaxial 3-Way	Maximum Continuous Power:50 Watts Impedance: 4 Ohms
<b>SRG5732C</b>	5" x 7"	250W	Multiaxial 3-Way	Maximum Continuous Power:40 Watts Impedance: 4 Ohms
<b>SRG4633C</b>	4" x 6"	200W	Multiaxial 3-Way	Maximum Continuous Power:30 Watts Impedance: 4 Ohms
<b>SRG213H</b>	1"	200W	Tweeter	Maximum Continuous Power:40 Watts Impedance: 4 Ohms