

07 AMPLIFIERS SUBWOOFERS

POWER SYSTEMS TO DELIVER THE PUNCH

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

AMPLIFIERS

Clarion Amps Feature High Performance

Clarion's 2007 amplifier line does it all – jaw-dropping power, stunning sonic performance, industry leading features and all at prices that will revolutionise the industry. How was this achieved? The latest technologies were combined with classic designs for benchmark performance and stunning reliability. Our new DPX11500 and DPX1800 amplifiers feature a combination of Class G and Class H power supplies and output stages – not just a simple Class D design. This allows these amps to produce more power (1500W and 800W respectively with CEA-2006 compliance) while putting less load on your car's electrical system. This means more power to your speakers, no thermal shutdown problems and longer play times than our competitors – at any price. Is sonic purity your game? Clarion's APX2180 and APX4360 amplifiers deliver with awesome 10Hz to 50kHz (± 1 dB) frequency response and distortion numbers as low as 0.004%. All the time offering a sonic signature that matches or betters most amplifiers costing two or three times as much. Looking for industry leading features? We offer innovative features such as our three-stage Input Voltage Selector gain control, Precise Frequency Selector Crossover and even simple connectivity with speaker level inputs on every model. The 2007 Clarion amplifier line shares the same cosmetic theme from top to bottom – so you can mix and match products to create the perfect system – at the perfect price.

Clarion Subwoofers – the bench-mark for performance, style & value

Low frequency extension, small enclosure requirements and awesome power handling – just three of the characteristics of the 2007 subwoofer line. These subwoofers don't just sound great, but they look equally impressive. These subwoofers feature an aggressively styled cast aluminium basket for a rock solid foundation. The cones are formed using a composite of pulp paper and kevlar. Linear poly-cotton spiders with oversized tinsel leads sewn to them ensure perfect piston-like operation. Our electrolytically applied spun aluminium polypropylene dust cap is reinforced with five spokes that not only look cool, but add significant strength. The copolymer composite surround allows awesome driver excursion, combined with the longevity and durability of rubber and the flexibility of foam. The 2007 line of subwoofers can handle serious power. Spider Exhaust Technology, a vented pole piece and high temperature voice coil formers allow the 15" PXW1552 to handle 1,500W of maximum music power, while the 12" versions will handle 1,000W without damage to the voice coil or suspension component failure. Many of the technologies and features found in the PXW line of subwoofers trickles down into the new SRW and SB series subwoofers. Clarion subwoofers offer stunning performance and awesome styling – all at prices that best the competition on all fronts.

Clarion Speakers Span the Spectrum from Bass to Treble

Subwoofers sometimes steal the spotlight, but you can't get great sound without great speakers for midrange and high frequencies. Clarion's plate, coaxial, and component speakers utilise titanium-metallized mica-injection polypropylene woofer cones with powerful strontium magnets for bass, metallised balanced-drive tweeters with neodymium magnets for treble, and high technology from top to bottom. Two-way, three-way and four-way speakers meet the needs of different listeners and different vehicles. Clarion's speakers include OEM upgrades (those designed to replace OEM speakers that were installed in vehicles when they are built at the factory) and component speakers designed for custom AV mobile-entertainment systems. For example, the SRS1686 two-way component speakers combine a $\frac{3}{4}$ " silk-dome tweeter with a 6- $\frac{1}{2}$ " glass-fiber-cone woofer and a two-way crossover network attenuating signals outside the passband with a slope of 12 dB per octave. And these speakers will take 250 watts of maximum music power.

When it comes to amplifiers, few offer the technology and performance that Clarion does. Our DPX Series of amplifiers provide massive amounts of pure, clean power thanks to a Class G computer-controlled power supply. You get the efficiency of a Class D amplifier with the sound quality of a Class AB design. Add to this integrated electronic crossovers, speaker level inputs and much more in every amplifier we make. Your system deserves amplifiers that sound this good.

Power, Control and Efficiency combine for an unheard of value.



DPX11500

1500W MONO POWER AMPLIFIER

- 1500W x 1 Into 1 Ohm, 20Hz-250Hz • 1500W x 1 Into 2 Ohms, 20Hz-250Hz • 800W x 1 Into 4 Ohms, 20Hz-250Hz • Input Voltage Selector Gain Control • Precise Frequency Selector - 12db/Oct. Low Pass Crossover, 50-250Hz • Adjustable Subsonic Filter, 10-80Hz • Variable Bass Boost; 0-15dB @ 30-125Hz • Gold Plated Connectors; RCA/Speaker/Power • Speaker Level Input • Dimensions 21-1/4" x 12" x 2-7/8"

1 ch
Power AMP

LPF

MOS-FET
Technology

MAX
1500W

CEA 2006 Power Ratings
1500W x 1RMS [20@14.4V \leq 1% THD+N]
800W x 1RMS [40@14.4V \leq 1% THD+N]
S/N 72dB (Ref:1W into 4 Ω)



DPX1800

800W MONO POWER AMPLIFIER

- 800W x 1 Into 1 Ohm, 20Hz-250Hz • 700W x 1 Into 2 Ohms, 20Hz-250Hz • 450W x 1 Into 4 Ohms, 20Hz-250Hz • Input Voltage Selector Gain Control • Precise Frequency Selector - 12db/Oct. Low Pass Crossover, 50-250Hz • Adjustable Subsonic Filter, 10-80Hz • Variable Bass Boost; 0-15dB @ 30-125Hz • Gold Plated Connectors; RCA/Speaker/Power • Speaker Level Input • Dimensions 19-1/4" x 12" x 2-7/8"

1 ch
Power AMP

LPF

MOS-FET
Technology

MAX
800W

CEA 2006 Power Ratings
800W x 1RMS [20@14.4V \leq 1% THD+N]
450W x 1RMS [40@14.4V \leq 1% THD+N]
S/N 79dB (Ref:1W into 4 Ω)



DPX2250

400W 2/1 CHANNEL POWER AMPLIFIER

- 400 Watts of Maximum Music Power • 125W x 2 Into 4 Ohms, 20Hz-20kHz @ < 0.05%THD • 250W x 2 Into 2 Ohms, 20Hz-20kHz @ < 0.1%THD • Bridgeable, 400W x 1, 20Hz-20kHz @ < 0.2%THD • Input Voltage Selector Gain Control • Precise Frequency Selector -12db/Oct. Low Pass Crossover, 50-250Hz • Adjustable Subsonic Filter, 10-80Hz • Variable Bass Boost; 0-15dB @ 30-125Hz • Gold Plated Connectors; RCA/Speaker/Power • Speaker Level Input • Dimensions 13-1/4" x 12" x 2-7/8"

2/1 ch
Power AMP

LPF

MOS-FET
Technology

MAX
400W

CEA 2006 Power Ratings
200W x 2RMS [20@14.4V \leq 1% THD+N]
125W x 2RMS [40@14.4V \leq 1% THD+N]
S/N 69dB (Ref:1W into 4 Ω)



APX4360

640W 4/3/2 CHANNEL POWER AMPLIFIER

- 640 Watts of Maximum Music Power • 90W x 4 Into 4 Ohms, 20Hz-20kHz @ < 0.05%THD • 160W x 4 Into 2 Ohms, 20Hz-20kHz @ < 0.2%THD • Bridgeable, 300W x 2, 20Hz-20kHz @ < 0.2%THD • Mixed Mode Operation • Input Voltage Selector • Precise Frequency Selector • Variable Bass Boost; 0-15dB @ 50Hz • Independent Front/Rear Adjustable -12db/Oct. High/Low Pass Crossovers, 55Hz-550Hz or 550Hz-5.5kHz with the Crossover Frequency Multiplier • Gold Plated Connectors; RCA/Speaker/Power • Speaker Level Input • Dimensions 16" x 12" x 2-7/8"

4/3/2 ch
Power AMP

LPF

MOS-FET
Technology

MAX
640W

CEA 2006 Power Ratings
160W x 4RMS [20@14.4V \leq 1% THD+N]
90W x 4RMS [40@14.4V \leq 1% THD+N]
S/N 93dB (Ref:1W into 4 Ω)



APX2180

320W 2/1 CHANNEL POWER AMPLIFIER

- 320 Watts of Maximum Music Power • 90W x 2 Into 4 Ohms, 20Hz-20kHz @ < 0.05%THD • 160W x 2 Into 2 Ohms, 20Hz-20kHz @ < 0.2%THD • Bridgeable, 300W x 1, 20Hz-20kHz @ < 0.2%THD • Mixed Mode Operation • Input Voltage Selector • Precise Frequency Selector • Variable Bass Boost; 0-15dB @ 50Hz • Adjustable -12db/Oct. High/Low Pass Crossover, 55Hz-550Hz or 550Hz-5.5kHz with the Crossover Frequency Multiplier • Gold Plated Connectors; RCA/Speaker/Power • Speaker Level Input • Dimensions 12" x 12" x 2-7/8"

2/1 ch
Power AMP

LPF

MOS-FET
Technology

MAX
320W

CEA 2006 Power Ratings
160W x 2RMS [20@14.4V \leq 1% THD+N]
90W x 2RMS [40@14.4V \leq 1% THD+N]
S/N 93dB (Ref:1W into 4 Ω)



APX4240

400W 4/3/2 CHANNEL POWER AMPLIFIER

- 400 Watts of Maximum Music Power • 60W x 4 Into 4 Ohms, 20Hz-20kHz @ < 0.1%THD • 90W x 4 Into 2 Ohms, 20Hz-20kHz @ < 0.1%THD • Selectable Bass Boost; 0dB/6dB/12dB @ 50Hz • Independent Front/Rear Adjustable -12db/Oct. High/Low Pass Crossover, 50Hz-300Hz • Gold Plated Connectors; RCA/Speaker/Power • Speaker Level Inputs • Dimensions 13" x 10 7/8" x 2 3/4"

4/3/2 ch
Power AMP

LPF

MOS-FET
Technology

MAX
400W

CEA 2006 Power Ratings
90W x 4RMS [20@14.4V \leq 1% THD+N]
60W x 4RMS [40@14.4V \leq 1% THD+N]
S/N 80dB (Ref:1W into 4 Ω)



APX2120

200W 2/1 CHANNEL POWER AMPLIFIER

- 200 Watts of Maximum Music Power • 60W x 2 Into 4 Ohms, 20Hz-20kHz @ < 0.1%THD • 90W x 2 Into 2 Ohms, 20Hz-20kHz @ < 0.1%THD • Selectable Bass Boost; 0dB/6dB/12dB @ 50Hz • Adjustable -12db/Oct. High/Low Pass Crossover, 50Hz-300Hz • Gold Plated Connectors; RCA/Speaker/Power • Speaker Level Input • Dimensions 10 5/8" x 10 7/8" x 2 3/4"

2/1 ch
Power AMP

LPF

MOS-FET
Technology

MAX
200W

CEA 2006 Power Ratings
100W x 2RMS [20@14.4V \leq 1% THD+N]
60W x 2RMS [40@14.4V \leq 1% THD+N]
S/N 85dB (Ref:1W into 4 Ω)



APX1300

400W MONO POWER AMPLIFIER

- 400 Watts of Maximum Music Power • 300W x 1 Into 4 Ohms, 20Hz-20kHz @ < 0.1%THD • 400W x 1 Into 2 Ohms, 20Hz-20kHz @ < .1%THD • Selectable Bass Boost; 0dB/6dB/12dB @ 50Hz • Adjustable -12db/Oct. Low Pass Crossover @ 50Hz-300Hz • Gold Plated Connectors; RCA/Speaker/Power • Speaker Level Input • Dimensions 13" x 10 7/8" x 2 3/4"

1 ch
Power AMP

LPF

MOS-FET
Technology

MAX
400W

CEA 2006 Power Ratings
500W x 1RMS [20@14.4V \leq 1% THD+N]
300W x 1RMS [40@14.4V \leq 1% THD+N]
S/N 68dB (Ref:1W into 4 Ω)

Model	DPX11500	DPX1800	DPX2250	APX4360	APX2180	APX4240	APX2120	APX1300
Number of Channels	1	1	2/1	4/3/2	2/1	4/3/2	2/1	1
Maximum Power Output	1500w	800w	400w	640w	320w	400w	200w	400w
MOS-FET Power Supply	.	.	.	.	.	.	.	.
4-Ohm, 20Hz-20kHz	800w x 1	450w x 1	125w x 2	90w x 4	90w x 2	60w x 4	60w x 2	300w x 1
2-Ohm, 20Hz-20kHz	1500w x 1	800w x 1	200w x 2	150w x 4	150w x 2	90w x 4	90w x 2	400w x 1
Bridged, 20Hz-20kHz			400w x 1	300w x 2	300w x 1			
2-Ohm Stable	.	.	.	.	.	.	.	.
2-Ohm Mono Stable	.	.	.	.	.	.	.	.
Variable Bass Boost Control	.	.	.	.	.	.	.	.
Gold Plated Connections	.	.	.	.	.	.	.	.
Speaker Level Input	.	.	.	.	.	.	.	.
Dimensions (W" x L" x H")	21-1/4 x 12 x 2-7/8	19-1/4 x 12 x 2-7/8	13-1/4 x 12 x 2-7/8	16 x 12 x 2-7/8	12 x 12 x 2-7/8	13 x 10-7/8 x 2-3/4	10-5/8 x 10-7/8 x 2-3/4	13 x 10-7/8 x 2-3/4

Our designers and engineers don't just think about bass, they live, eat and breathe it. From the subtle nuances of an acoustic string bass to the mirror shaking beats of a synthesizer or drum machine. Featuring quality construction and ingenuity, Clarion subwoofers are up to the task. Our PXW and SRW Subwoofers offer incredible performance and value exceed the expectations of the most concerning listener, you!

Subwoofers that sound as good as they look



PXW1552

15" DUAL 4-OHM VOICE COIL SUBWOOFER

- 1500 Watts of Maximum Music Power • 750 Watts RMS • Dual 4-Ohm Heat Resistant Voice Coils • Polypropylene Electrolytic Spun Aluminum Coated Dust Cap Design • Kevlar/Paper Composite Cone Design • Co-polymer Composite High Excursion Surround • Dual Strontium Ferrite Magnet Motor Assembly • Hyper-extended Vented Pole Piece • Dual Gold Plated Block Terminals • Linear Poly-cotton Spider with Integrated Tinsel Leads • S.E.T. (Spider Exhaust Technology) Cooling • Custom Designed Die Cast Aluminum • Hidden Screw Mounting Gasket • Outside Dimension 15-3/8" • Mounting Depth 7"



PFW1051

10" SINGLE 4-OHM VOICE COIL SHALLOW SUBWOOFER

- 600 Watts of Maximum Music Power • 300 Watts RMS • Single 4-Ohm Heat Resistant Voice Coils • Polypropylene Electrolytic Spun Aluminum Coated Dust Cap Design • Kevlar/Paper Composite Cone Design • Co-polymer Composite High Excursion Surround • Dual Strontium Ferrite Magnet Motor Assembly • Hyper-extended Vented Pole Piece • Dual Gold Plated Block Terminals • Linear Poly-cotton Spider with Integrated Tinsel Leads • S.E.T. (Spider Exhaust Technology) Cooling • Custom Designed Die Cast Aluminum • Hidden Screw Mounting Gasket • Outside Dimension 10-3/8" • Mounting Depth 3"



PFW Shallow mount woofers....Big Bass : Small Space The shallow mounting depth of the PFW1051 subwoofer allows low profile enclosure dimensions that make it perfectly suited to false-floor trunks, behind seats and rear side panels in SUV's so that both cargo space and great bass are maximised. Featuring the same amazing die-cast build quality and high performance componentry of the PXW range, this shallow mount performer is sure to satisfy even the most demanding listener.



PXW1251

12" DUAL 2-OHM VOICE COIL SUBWOOFER

- 1000 Watts of Maximum Music Power • 500 Watts RMS • Dual 2-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 • Outside Dimension 12-3/8" • Mounting Depth 6-3/8"



PXW1252

12" DUAL 4-OHM VOICE COIL SUBWOOFER

- 1000 Watts of Maximum Music Power • 500 Watts RMS • Dual 4-Ohm Heat Resistant Voice Coils • Polypropylene Electrolytic Spun Aluminum Coated Dust Cap Design • Kevlar/Paper Composite Cone Design • Co-polymer Composite High Excursion Surround • Dual Strontium Ferrite Magnet Motor Assembly • Hyper-extended Vented Pole Piece • Dual Gold Plated Block Terminals • Linear Poly-cotton Spider with Integrated Tinsel Leads • S.E.T. (Spider Exhaust Technology) Cooling • Custom Designed Die Cast Aluminum • Hidden Screw Mounting Gasket • Outside Dimension 12-3/8" • Mounting Depth 6-3/8"



SRW1051

10" SINGLE 4-OHM VOICE COIL SUBWOOFER

- 750 Watts Maximum Music Power • 375 Watts RMS • 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 • Hyper Extended Vented Pole Piece • Spider Exhaust Technology (SET) Cooling • Dual Gold Plated Terminal Blocks • Linear Cotton Spider with Integrated Tinsel leads • Custom Stamped Steel Powder Coated Chassis



SRW1251

12" SINGLE 4-OHM VOICE COIL SUBWOOFER

- 800 Watts Maximum Music Power • 400 Watts RMS • Single 4 Ohm Heat Resistant Voice Coil • Polypropylene 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 • Spider Exhaust Technology (SET) Cooling • Dual Gold Plated Terminal Blocks • Linear Cotton Spider with Integrated Tinsel leads • Custom Stamped Steel Powder Coated Chassis



The highly efficient SB series subwoofer and enclosure products are ready to supply your system with some serious bass. The layered polypropylene and paper cones deliver a highly reliable, low frequency with tight impact. Now available in dual and single woofer configurations, the DP and SP enclosure systems have been matched with Clarion's most popular amplifier lines to offer amazing value for money.

SB15XB

15" SINGLE VOICE COIL SUBWOOFER

- Paper/Polypropylene Cone • Single heat resistant voice coil • Rear-vented pole piece • Foam rubber surround • Large strontium ferrite magnet • Rubber magnet cover • Steel stamped frame • Suitable for sealed and vented installation • 600 watts maximum music power



SB12XB

12" SINGLE VOICE COIL SUBWOOFER

- Paper/Polypropylene Cone • Single heat resistant voice coil • Rear-vented pole piece • Foam rubber surround • Large strontium ferrite magnet • Rubber magnet cover • Steel stamped frame • Suitable for sealed and vented installation • 600 watts maximum music power



SB series enclosures... Powered to perform



DP12XBA

AMPLIFIED DUAL WOOFER ENCLOSURE

- Enclosure Features
 - Premium Carpeted Custom MDF Enclosure
 - Stainless Gunmetal Finish [Front Panel]
 - Perspex Clarion Badge
 - Acoustic Felt Lining
 - Gold Plated Terminals
 - Includes 2 x 12" SB series subwoofers (see above)
 - Powered By APX1300 Mono Block Amplifier
 - See page 41 for further features of APX1300



SP12XBA

AMPLIFIED SINGLE WOOFER ENCLOSURE

- Enclosure Features
 - Premium Carpeted Custom MDF Enclosure
 - Stainless Gunmetal Finish [Front Panel]
 - Perspex Clarion Badge
 - Acoustic Felt Lining
 - Gold Plated Terminals
 - Includes 1 x 12" SB series subwoofer (see above)
 - Powered By APX2120 Mono Block Amplifier
 - See page 41 for further features of APX2120



DP12XB

DUAL WOOFER ENCLOSURE

- Enclosure Features
 - Premium Carpeted Custom MDF Enclosure
 - Stainless Gunmetal Finish [Front Panel]
 - Perspex Clarion Badge
 - Acoustic Felt Lining
 - Gold Plated Terminals
 - Includes 2 x 12" SB series subwoofers (see above)



Model	PXW1552	PXW1252	PXW1251	SRW1251	SRW1051	PFW1051	SB15XB	SB12XB
Max Power Handling	1500w	1000w	1000w	800w	750w	600w	600w	600w
Continuous Power Handling	750w	500w	500w	400w	375w	300w	300w	300w
Frequency Response	20Hz-1.5kHz	20Hz-1.5kHz	20Hz-1.5kHz	20Hz-1.5kHz	20Hz-1.5kHz	20Hz-1.5kHz	20Hz-5000Hz	20Hz-5000Hz
Efficiency	90dB	87dB	87dB	85dB	84dB	84dB	86dB	82dB
Basket Type	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum	Stamped Steel	Stamped Steel	Die Cast Aluminum	Stamped Steel	Stamped Steel
# of Voice Coils	2	2	2	1	1	1	1	1
Impedance	4 Ohm	4 Ohm	2 Ohm	4 Ohm	4 Ohm	4 Ohm	4 Ohm	4 Ohm
Outside Dimension	15-3/8"	12-3/8"	12-3/8"	12-3/8"	10-17/32"	10-17/32"	385mm	306mm
Cut Out Size	14"	10-7/8"	10-7/8"	10-7/8"	9-1/16	9-1/16"	370mm	293mm
Mounting Depth	7"	6-3/8"	6-3/8"	5-3/4"	2-25/32"	2 3/4"	164mm	136mm
Enclosure Size	1.5 Cu Ft	0.85 Cu Ft	0.85 Cu Ft	1 Cu Ft	0.6 Cu Ft	0.45 Cu Ft	1.45 Cu Ft	1 Cu Ft