

Clarion Amplifiers for 2005...

The overwhelming performance difference that supports the soundscape in the background.

Upgrade your system with polished circuit design and unwavering power.

The digital circuitry lets you hear tones and reverberations that were inaudible until now, to their fullest. The overwhelming performance of the power supply section delivers sound that's a class above, with stable power. And the mass transfer capabilities of digital music sources... The Clarion 2005 power amp lineup's top-end APX4300HX is the perfect partner for the HX-D2, being equipped with all the factors that you would demand of a power amplifier.

Whether you're listening to music or watching your car theater, the performance of the power amp plays a crucial role in the sound you hear. Our original circuit constructed of high quality devices, and a fan-less design which maximizes heat dissipation while achieving high power and space reduction. Regardless of the type of system you create, all of the sounds that fill your car reach fruition here.

Gold-plated RCA and block terminal on all Clarion Amplifiers
By utilizing gold-plated RCA (APA4320/2160) and block terminals (APA4320/2160), Clarion's amplifiers offer increased conductivity and low signal loss. Gold has extremely low electrical resistance and low contact resistance, which helps to prevent voltage drops, noise, heating and other problems from occurring.



Space-saving design with high heat the Dissipation (APA4320/2160)
APA4320 & APA2160 feature a die-cast design that boasts multiple heat sinks for high-heat dissipation. This eliminates the need for an internal fan. Also preventing overheating is the amplifier's circuit design that inhibits heat dispersal. This heat dispersal effect is maximised during consecutive drives for high power in minimal space.

Gapped-E core choke coils (APA4320/2160)
Utilised in the power supply circuitry, gapped-E core choke coils offer low impedance, making them resistant to harmful magnetic noise. This results in a more efficient amplifier and a low-noise power supply, which is important when achieving crystal clear sound.

2-ohm stability
Utilising this design for peak performance and unwavering reliability, Clarion's amplifiers can drive lower impedance loads for increased power.

Circuit design achieves high quality sound
Encompassing a host of high quality components, Clarion's amplifiers take your music to a whole new level. Featuring uncompromising resistance to magnetic noise, the circuit design used by Clarion's amplifiers allow for easy subwoofer system configurations using its embedded high-pass and low-pass filters. What's more, Clarion's high-grade, gold-plated block terminals offer low electrical and contact resistance for crystal clear sound. These amps also boast 2-ohm stability for increased power and reliability when connected to speakers with 2-ohm loads. Put simply, Clarion is unveiling a line of amplifiers that tout superior power and versatility.



The APA4320 has the most advanced, integrated components for delivering superior audio performance.



▶ APA4320

4 × 160W BRIDGEABLE POWER AMPLIFIER



- 4/3/2 Channels Bridgeable Mode Operation • Maximum Power Output 640 W (160W × 4 Into 4 Ohms) • Continuous Average Power Output 320W (80W × 4 Into 4 Ohms) • Typical Bridged Power 230W × 2 @ 0.2% THD
- Typical 2 Ohms Stereo Power Output 115W × 4 @ 0.2% THD • Bass Extender: 0/+15dB @ 45Hz • Independent Front/Rear Adjustable Crossover Frequencies (HP/LP): 55 - 550Hz or 550 - 5,500Hz • Adjustable Line Level Input 200mV up to 6V • Speaker Level Inputs to Allow Easy Interfacing with Factory Car Stereos • Soft Mute On/Off Circuitry • Gold Plated Isolated Massive Speaker and Power Supply Connectors



▶ APA450

4/3/2-CHANNEL AMPLIFIER



- Maximum Power Output 400W • Continuous Average Power Output 200W (50W × 4 Into 4 Ohms 20Hz-20kHz) • Typical 2 Ohms Stereo 100W × 4
- Switchable Bass Boost at 0dB/6dB/12dB
- Adjustable 50Hz-250Hz, High-/Low-Pass Crossover • Bridgeable 4-/3-/2-Channel Operation
- Speaker Level Inputs



▶ APA2160

2 × 160W BRIDGEABLE POWER AMPLIFIER



- 2/1 Channels Bridgeable Mode Operation • Maximum Power Output 320W (160W × 2 Into 4 Ohms) • Continuous Average Power Output: 160W (80W × 2 Into 4 Ohms) • Typical Bridged Power 250W × 1 @ 0.2% THD • Typical 2 Ohms Stereo Power Output 125W × 2 @ 0.2% THD
- Bass Extender: 0/+15 dB @ 45Hz • Adjustable Crossover Frequency (HP/LP): 55 - 550Hz or 550 - 5,500Hz • Adjustable Line Level Input 200mV up to 6V • Speaker Level Inputs to Allow Easy Interfacing with Factory Car Stereos • Soft Mute On/Off Circuitry • Gold Plated Isolated Massive Speaker and Power Supply Connectors



Clarion leaves no stone unturned with a design that melds functionality and eye-popping cosmetics.

▶ Striking a Chord Through Cosmetic Functionality

From its wave-like heat sink design to its striking aluminum die-cast body and center heat exhaust port, Clarion demonstrates its pursuit for cutting-edge looks and performance through flawless execution. Working two-fold, the design not only boasts progressive aesthetics, but also the ability to maximize heat dissipation effects for high-power performance in minimal space. On the heels of perfection,

▶ APA250

2/1-CHANNEL AMPLIFIER



- Maximum Power Output 200W • Continuous Average Power Output 100W (50W × 2 Into 4 Ohms 20Hz-20kHz) • Typical 2 Ohms Stereo 100W × 2 @ 0.5% THD
- Switchable Bass Boost Control 0dB/6dB/12dB • Adjustable 50Hz-250Hz, High-/Low-Pass Crossover • Speaker Level Inputs



▶ DPX1200.1

MONO AMPLIFIER



- Continuous Average Power Output 477W (Into 4 Ohms, 20Hz-20kHz @ 0.05% THD) • Typical 2 Ohms Stereo @ 0.2% THD: 840W
- Precise Frequency Selector-Adjustable 55Hz - 55kHz 12dB/oct High/Low - Pass Crossover • Subsonic Filter • Remote Level Control Included • Speaker Level Inputs • 4 Layered Glass Epoxy Circuit Board
- Selectable Input Voltage with Variable Gain Control