



Clarion



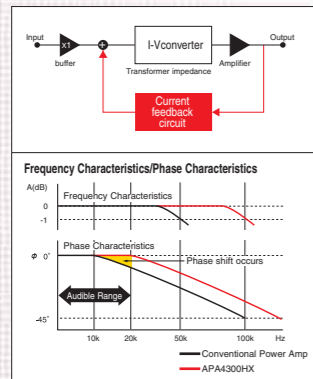
▶ **APA4300HX** Not available in Australia.

**4/3/2-CHANNEL AMPLIFIER**

- Bridgeable for 4-, 3 or 2ch mode operation
- Power Guard Circuit • Low-loss Power Supply with High Power Output • Continuous Average Power Output: 300W (75 × 4 into 4 Ohms, 20Hz-20kHz, 0.002% THD) • Maximum Power Output: 600W (4 × 150W 4 into 4-ohms) • Variable 4-ch Low-Pass Filter and High-Pass Filter (50-200Hz) • Bass Extender (40~120Hz, 0~+12dB) • Direct Input • Digital Display with 4ch status information
- Aluminium Housing With Built-in Cooling Fan
- 100kHz Extremely High Frequency Reproduction
- Dolby Digital/dts Ready



**Unlimited Potential for Sound That Envelopes the Senses.**



**Current Feedback Amplification Circuit**  
By employing a current feedback amplification circuit — regarded as the circuit of choice in the home audio industry — Clarion's APA4300HX paves the way to future technologies such as DVD-Audio. This unique design maximizes the potential of an amplifier, allowing it to realize even ultra-high frequency levels of 100kHz. This wideband, high-speed amplification circuit also ensures stable phase characteristics and response, resulting in warm, rich sound.

**Melding Rich Sound With Crystal Clear Harmonics**  
Allowing for the harmonious blend of soulful vocals with tone-rich instruments, Clarion's current feedback amplification circuit allows your amplifier to add dimension to your music. Fielding ultra-high frequency sound in the range of 100kHz, the amplification circuit provides your music with additional harmonic elements while maintaining the main frequency element. The result is sound that engulfs the senses.

**Ultra High Range Reproduction Cancels Phase Shift**  
Unlike conventional amps, which allow phase shifts of high-range frequencies to become audible, Clarion's APA4300HX — equipped with a current feedback amplification circuit — cancels these sound-hindering interferences, resulting in crystal clear sound.

**Aluminium Heat Sinks and Forced Cooling Fan**  
For superior heat dissipation, Clarion's APA4300HX employs a large, tunnel-shaped sub-heat sink, as well as an internal, heat-sensitive fan. Located to the center of the chassis, the fan adds additional heat protection to internal parts. This means the amplifier will maintain peak performance even when operating under extreme conditions.

**Direct Input Terminal**  
The longer an audio signal travels the more chance there is for sound quality degradation. By employing a direct input terminal, the audio signal travels a short distance from input to output during amplification, allowing the signal to maintain its original characteristics. The straight and non-contact circuit also eliminates any contact points that can potentially harm your system's sound quality. This results in a smooth signal transfer and superior performance.

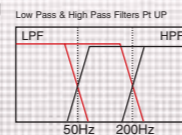


**Power Guide Circuit**  
The APA4300HX's input stage prevents the generation of clipping distortion by holding down the gain when overdrive distortion is detected at the output stage. By removing only distortion elements, the amplifier protects your speakers from potential damage while also maintaining its superior sound qualities.

**4-Part Digital Meter**  
Stay in tune with your amplifier with the APA4300HX's 4-Part digital meter. Monitor your amp's real-time power output level and consumption, voltage level and internal temperature.



**Low-Pass and High-Pass Filters**  
Outfitted with built-in, low-pass and high-pass filters (-24 dB/oct.), the APA4300HX allows for adjustment in the 50Hz to 200Hz frequency range over all channels. This setup is ideal when operating a system that touts multiple amplifiers and subwoofers.



**Input Mixing**  
Clarion equips its APA4300HX with an input mixing function, a key feature when bridging the left and right signals. Combine that feature with the unit's built-in, low-pass and high-pass filters and the result is an amplifier that harmoniously compliments a monaural subwoofer.

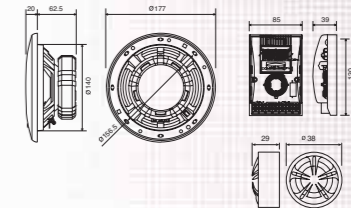
**Low-Loss High-Output Power Supply and Quality Parts**  
The APA4300HX's input stage prevents the generation of clipping distortion by holding down the gain when overdrive distortion is detected at the output stage. By removing only distortion elements, the amplifier protects your speakers from potential damage while also maintaining its superior sound qualities.



▶ **SRS1751HX**  
**16.5CM (6 3/4") 2-WAY HX SERIES COMPONENT SYSTEM**



- Glass fibre cone woofer with rubber surround • Pure silk dome tweeter with dual neodymium magnet
- 2-way mounting tweeter (variable angle flush mounting/surface mounting)
- Extremely high frequency reproduction up to 120kHz • High grade -12dB/oct. 2-way crossover network with level attenuator (0, -3 dB)



**HX Series: A Difference You Can Hear and See**  
New digital media is constantly pushing the limit on sound quality. Clarion's HX Series takes them on with Super Tweeters capable of reproducing an amazing 120kHz, making them ideal for 5.1ch applications where sound quality is a key factor. And the glass fibre woofer cone offers improved internal loss and sound propagation in order to accommodate the broader dynamic range of digital sources such as DVDs, CDs. HX Series — your source for dynamic looks and dynamite sound.

**120kHz reproduction tweeter**  
The ultrasonic (harmonic) component which lies beyond the frequency range audible to humans recreates the sense of space and the fine nuances within the music. As such, it has a very important role. Concentrating on that component, AddZest chose a silk dome and dual neodymium magnets to develop this specialized tweeter for rich harmonic reproduction. Leading the industry in 120kHz reproduction, we have already gone beyond the performance we need to match next-generation media, such as DVD audio and SACD, which reach beyond the human-audible frequency range. The generous wide range properties also add a sense of stability and far-reaching high-range reproduction in ordinary CD playback.

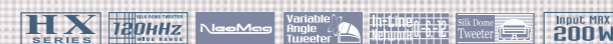
**Rear-vented pole piece**  
The woofer pole piece is equipped with a vent that goes through to the back plate. In addition to reducing heating in the voice coil, the vent also substantially improves the air emission volume from the woofer duct, allowing the diaphragm to move smoothly through its stroke.

**Glass fiber cone**  
High-strength glass fibers are woven into the cone, vertically and horizontally, giving greatly enhanced rigidity. There is very little distortion due to depression or flexing, even during high amplitude movement under high input levels, so the music reproduction is always tight.

**Variable angle tweeter**  
The speaker can be mounted two ways, the dashboard or in a door. Even after the tweeter is mounted in place, its variable angle mounting allows you to change its direction and angle freely to the best orientation for your seat position.



▶ **SRH291HX**  
**2CM (1/2") HX SERIES SUPER TWEETER**



- Pure silk dome tweeter with dual neodymium magnet • 2-way mounting tweeter (variable angle flush mounting/surface mounting)
- Extremely high frequency reproduction up to 120kHz • Includes -6dB/oct. in-line network with level attenuator (0, -6dB, -12dB)