

CRIMSON AUDIO PRE AND POWER AMPLIFIERS

Crimson

Amplifiers
with Attitude

Crimson

Crimson Products Ltd., founded as Crimson Elektrik by Brian Powell in 1976, began life as a small specialist company producing assembled amplifier modules for the flourishing British hi-fi kit market. These products



Brian Powell - Founder and senior design engineer at Crimson Products Ltd.

proved very popular and within a short space of time Crimson Elektrik expanded to design and market modules for a wide variety of applications including the nuclear and medical industries.

The first dedicated and completely assembled hi-fi products to emerge from Crimson were known collectively as the 500 series.

Conceived by Brian Powell in 1979, the 500 series quickly established the Crimson brand name. Although designed as a budget range of amplifiers, the 500 series with its innovative battery powered pre-amplifier easily outperformed more expensive competitors.

The unique shape of the Crimson range was further enhanced with the 600A series. Launched in 1983, the combination of improved

performance and styling established the company as a primary supplier of quality budget amplification in both the UK and European export markets.

Continuous evolution of the Crimson model range has resulted in the current 600C series. Brian Powell's view of development is one of continuous improvement - to a tried and tested design. Unnecessary changes or revisions for the sake of 'specsmanship' or hi-tech hyperbole are not in keeping with the Crimson philosophy. The latest generation of Crimson amplifiers holds true to this ideology.

We do not make extravagant claims about technology - more often than not the simple solution is the best and the most reliable. We make no claims to be rocket scientists - but then, again, we don't make rockets! Crimson simply produces high-performance products which offer excellent value for money. Our products are equipped with features that aid functionality - the very features which will be used regularly. Such a single minded approach to the production of quality budget equipment allows the allocation of expenditure to improve sound quality - the very reason why most customers buy dedicated hi-fi separates!

CRIMSON CS610C

The CS610C is unique in the budget preamplifier market. This outstanding phono/line preamplifier is the result of over 20 years of research and development. Despite its unpretentious visual characteristics, the CS610C is packed with simple yet innovative solutions to the complex problems associated with the primary amplification stage of an audio system.



The circuit layout is a symmetrical configuration - to reduce intermodulation both within and without the audio band - and is constructed entirely from discrete components, chosen for their sound quality and reliability. The CS610C also makes extensive use of 'star earthing' which is implemented with a hard-wired loom. This labour intensive process using high-quality oxygen free copper wire, gives real and objective improvements in sound staging, stereo separation and clarity.

The mains transformer resides in an external plug-top power supply case to eliminate damaging magnetic field effects from the on-board circuitry. High grade close tolerance metal film resistors, DNM slit foil reservoir capacitors, an Alps volume pot and switchgear with silver-plated contacts combine with the craftsmanship of classic handmade British hi-fi to produce a stunning sounding preamplifier - easily capable of out-performing far more expensive competitors.

The Crimson CS610C is a true high-performance budget audiophile product. It offers a no-compromise approach to producing the best sound quality for the available budget. The absence of remote control may concern some customers, but the loss of musical clarity, detail and dynamic range which afflicts conventional remote control volume systems in products at this price is quite unbelievable. If you love music, such compromises are easy to make! Living without remote control is nowhere near as difficult as you might think!

Vinyl lovers will appreciate the excellent low noise switchable moving coil and moving magnet stage which is more than capable of being matched with comparatively expensive source equipment. The CS610C also provides 3 line level inputs and 1 tape loop - the tape out feature can also serve as an additional line input. All this and enough loose change to increase your music collection - sensible in the extreme!

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CRIMSON CS620C

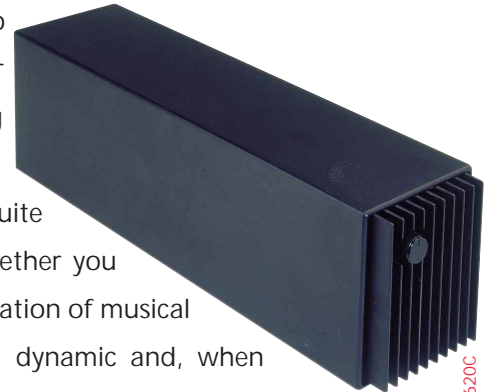
In a world dominated by enormous amplifiers, the CS620C stereo amplifier is a refreshing alternative. The sleek high-quality brushed aluminium sleeve and classy acrylic rear panel visually set it apart from the competition. Its compact dimensions make it ideal for customers who wish to conceal their audio equipment - not everyone wants their domestic environment choked with a vast array of equipment requiring large and often unsightly support racks!

The CS620C may be diminutive in size but its musical performance is quite outstanding. This unit has it all and at a really affordable price. Whether you enjoy Classical, Jazz, Rock & Roll, House, Thrash Metal or any other variation of musical culture, the CS620C can party! It can be subtle and gentle, open, dynamic and, when required, can give copious quantities of deep, controlled and rhythmic bass - a veritable wolf in sheep's clothing!

Technically the CS620C is superb in design and execution, featuring DNM's widely acclaimed slit foil capacitors, 'star earthing', and an unusual output stage based on bi-polar technology. Hours of listening tests have confirmed that fast bi-polar output devices, driven by a high-quality bi-polar driver stage, give unparalleled bass control and definition at a price unmatched by competitors.

This unique arrangement, with four stage output buffering, gives the CS620C excellent 'control' over the loudspeakers - consequently, comparatively high peak output currents can be delivered into difficult speaker loads. The internal signal wiring utilises DNM's award winning solid core cable, giving mid-band clarity and transparency, a delicate sweetness to the treble and a tight and tuneful bass.

The flexibility offered by the Crimson CS620C is outstanding. As part of a budget system, it is awesome! As part of a mid-price system, it still delivers a level of performance which will have you upgrading your source equipment or loudspeakers before you consider changing your amplifier! When you feel the need to improve your system's performance, Crimson have an easy and cost effective upgrade solution in the form of the CS630C mono-blocks - consult your dealer for Crimson upgrade information and prices.



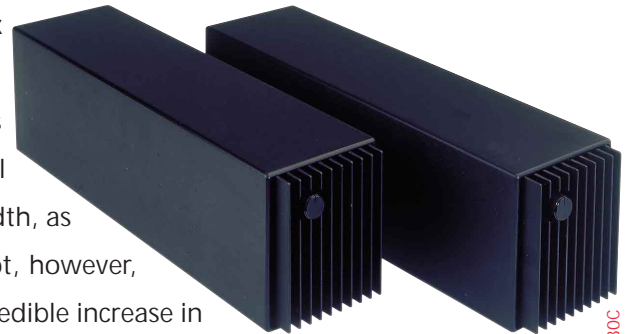
Crimson CS620C

CRIMSON CS630C

The CS630C mono-block amplifiers are closely related to the CS620C. With an increased budget available for the CS630C's, Crimson have produced a true 'giant-killing' product. Whilst retaining the basic features and aesthetic appeal of the CS620C, the mono-blocks have several important advantages which provide a substantial increase in performance over the single box unit - at a very competitive price!

By completely separating the left and right channels (physically) the CS630C's are able to resolve musical detail more effectively. Sound staging improves in depth and width, as does the reproduction of dynamic range. Without a doubt, however, the most objective improvement in performance is the incredible increase in the speed of musical delivery. The unique output stage of the CS620C is further enhanced in the CS630C's by using ultra-fast triple diffusion bi-polar output devices. These very expensive components offer exceptional speed and power delivery. Coupled with a larger high-quality custom-built toroidal transformer, the CS630C's can drive almost anything! With a dedicated power supply feed for each channel, the CS630C's can drive loads down to 2Ω and sustain high levels of output current. Additional features include bi-wireable output sockets and a signal out socket. The signal out socket allows easy 'daisy chaining' of the mono-blocks in installations where even greater power delivery may be required through bi or tri-amping. As with the CS620C, the CS630C's have output short-circuit protection and a thermal overload cutout, making the amplifiers virtually 'bullet-proof.' We are so confident in the ability of our products to provide years of trouble-free running that we are more than happy to offer a no quibble 3 year parts and labour warranty.

It is rare to find an amplifier that performs equally well across the audio band. To find one which keeps the vitality of a musical performance, holds the attention of the listener and can be partnered with a huge range of loudspeakers, whether in a hi-fi or audio visual system, is almost impossible. To do all this for the price of a pair of CS630C's - it could only be a Crimson product!



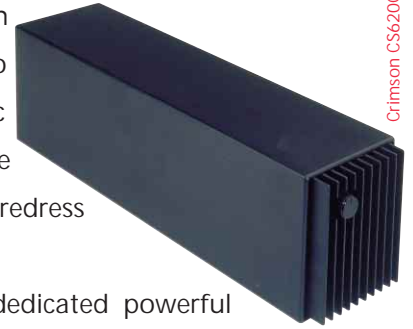
Crimson CS630C

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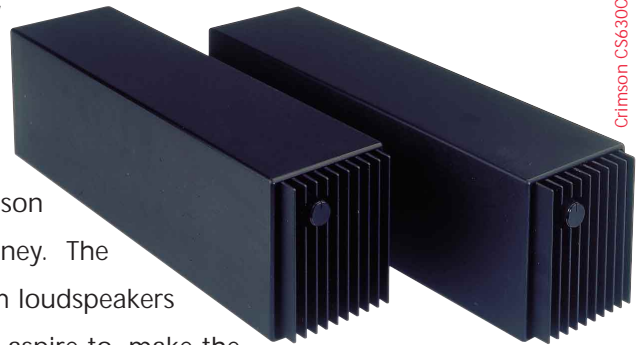
CRIMSON MULTI-ROOM - CSM RANGE

The last decade and a half have seen some of the most dramatic advances in music reproduction technology this century. The digital explosion continues unabated, bringing with it ever-increasing demands from customers seeking the 'complete home audio system.' Enter multi-room - a reasonably cost effective means of achieving music in every room. Compromises in sound quality are inevitable given the long cable runs required, but the installation of a high-quality amplifier can do much to redress the balance.

The Crimson CS620CM and CS630CM models are hybrid versions of our dedicated powerful domestic audio amplifiers. Both models provide a very cost effective solution for multi-room purchasers. Sound quality and reliability are primary considerations. Crimson amplifiers are very strong on both counts. The ability to conceal equipment in a multi-room installation is a further important consideration - here, again, both Crimson models win out with their distinctive compact shape. The signal sensing switch-on feature means that, once installed, the amplifier need never be disturbed. If music is selected for a particular location, the amplifier senses the incoming signal and automatically turns on. If the signal is absent for ten minutes or more, the unit automatically switches off. Finally, both multi-room amplifiers are equipped with DC speaker protection circuitry and thermal overload trip, ensuring that, in the unlikely event of amplifier failure, no damage to the loudspeaker can occur. The Crimson CSM multi-room package offers excellent value for money. The flexibility of allowing the use of a wide variety of multi-room loudspeakers with the kind of power delivery that active systems can only aspire to, make the CSM range the natural choice for music lovers. Combined with superb build quality, built-in reliability and features which provide total system safety and invisible operation, the future for multi-room users is bright - the future is Crimson!!!



Crimson CS620CM

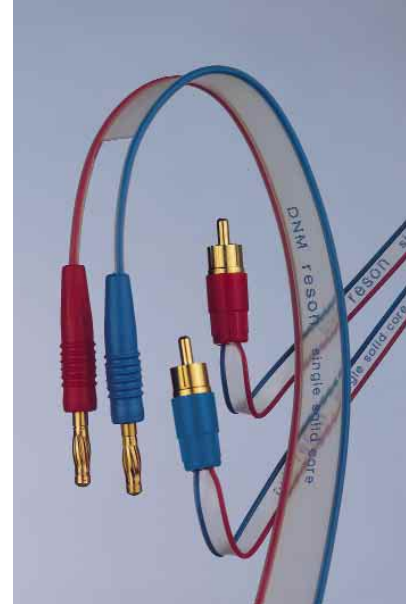


Crimson CS630CM

CRIMSON RECOMMENDED ACCESSORIES

The Crimson philosophy is simple and uncompromising in its pursuit of sonic excellence. Having spent your hard-earned cash on a Crimson product, you, the customer, will surely wish to attain the highest possible level of performance. To this end, we recommend a range of cables and accessories which will complement Crimson products and add to your listening pleasure.

DNM reson speaker and interconnect cables represent outstanding value for money. They are so good, in fact, that we use these cables internally for signal path wiring in Crimson amplifiers. Customers purchasing the special 'pack' Crimsons will find not only a DNM reson interconnect included but also a DNM reson solid core mains lead - used exclusively for the internal mains wiring in our products. We choose DNM reson for sound quality and value for money and strongly recommend our customers to do the same. Unlike many companies, however, who insist that customers use their recommended cables and accessories, we will not invalidate your warranty should you choose an alternative brand!



DNM reson solid core speaker and interconnect cables



reson licon

Once your dealer has installed your Crimson amplifiers and they have been well run-in, we suggest that you try a bottle of reson licon 'contact enhancer'. Treat all the metal signal connections in your system with this amazing fluid and you will be absolutely astounded at the increased level of clarity and information retrieval. Crimson amplifiers are an inherently high resolution design which is further enhanced when coupled with DNM reson cables. Applying reson licon extracts that little bit extra performance - normally lost in the numerous electrical contact points in any hi-fi system - of which the Crimson amplifiers and DNM reson cables are capable.

A custom-built 'domo' equipment stand is also available. Carefully constructed by reson from materials which harmonise with both DNM and Crimson's design approach, the stand not only sounds great but looks good too!

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SPECIFICATIONS	CS610C	CS620C	CS620CM	CS630C	CS630CM
Moving Coil standard	Yes	N/A	N/A	N/A	N/A
Moving Coil sensitivity	0.25mV	N/A	N/A	N/A	N/A
RIAA frequency response	20Hz to 20kHz @ 1dB	N/A	N/A	N/A	N/A
Moving Coil load	330Ω	N/A	N/A	N/A	N/A
Moving Coil capacitance	100nF	N/A	N/A	N/A	N/A
Moving Coil signal to noise	≥ 65dB	N/A	N/A	N/A	N/A
Maximum input	0.6mV	N/A	N/A	N/A	N/A
Moving Magnet standard	Yes	N/A	N/A	N/A	N/A
Moving Magnet sensitivity	5.5mV	N/A	N/A	N/A	N/A
Moving Magnet load	N/A	N/A	N/A	N/A	N/A
Moving Magnet capacitance	N/A	N/A	N/A	N/A	N/A
Moving Magnet signal to noise	≥ 70dB	N/A	N/A	N/A	N/A
Maximum output voltage	3.5V r.m.s.	19V r.m.s.	19V r.m.s.	28V r.m.s.	28V r.m.s.
Minimum load	600Ω	2Ω	2Ω	2Ω	2Ω
Maximum input	3V	3V	3V	3V	3V
Source impedance	600Ω	<0.1 Ω	<0.1Ω	<0.1Ω	<0.1Ω
4 Line Inputs	Yes	N/A	N/A	N/A	N/A
1 Tape out	Yes	N/A	N/A	N/A	N/A
Line sensitivity for all line inputs	250mV	N/A	N/A	N/A	N/A
Line load for all line inputs	47kΩ	N/A	N/A	N/A	N/A
Frequency response	1.5Hz to 400kHz @ -	10Hz to 40kHz @ -1dB	10Hz to 40kHz @ -	10Hz to 40kHz @ -1dB	10Hz to 40kHz @ -1dB
Line signal to noise	3dB	≥ 100dB	1dB	≥ 100dB	≥ 100dB
Crosstalk	≥ 85dB	≥ 65dB	≥ 100dB	0dB	0dB
Distortion	≥ 65dB	Typically 0.01%	≥ 65dB	Typically 0.01%	Typically 0.01%
Power output into 8Ω	<0.01%	50W	Typically 0.01%	100W	100W
Power output into 4Ω	N/A	75W	50W	175W	175W
Unit height	N/A	116 mm	75W	116 mm	116 mm
Unit width	116 mm	95 mm	116 mm	95 mm	95 mm
Unit depth	95 mm	364 mm	95 mm	364 mm	364 mm
Unit weight	376 mm	3.97 kg	364 mm	3.95 kg	3.95 kg
Power supply height	2.3 kg	N/A	3.97 kg	N/A	N/A
Power supply width	80 mm	N/A	N/A	N/A	N/A
Power supply depth	52 mm	N/A	N/A	N/A	N/A
Power supply weight	49 mm	N/A	N/A	N/A	N/A
Input connections (gold plated)*	0.22 kg	RCA	N/A	RCA	RCA
Output connections (gold plated)	RCA/DIN for phono	2mm	RCA	2mm/bi-wireable	4mm/bi-wireable
*Except for phono input	RCA		4mm		



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