

Super-fidelity Audio

)))HALCRO™



...the best amplifier ever!

*Stereophile Magazine, October 2002.*

“Revolutionary is a word that’s tossed around all too lightly in the world of audio.

The understandable impulse to tout every new development as a quantum leap forward in sound reproduction has made it difficult to sort out the evolutionary from the truly groundbreaking. And there’s not that much left to do in amplifier design that is worthy of being called revolutionary or so it seems....Arthur C. Clarke, the futurist and science fiction writer who first conceptualized the communications satellite, once wrote that any sufficiently advanced technology is indistinguishable from magic. To these ears, the Halcro dm58 is the embodiment of Clarke’s maxim.

The revolution has arrived.”

*Paul Bolin, Stereophile Magazine, October 2002.*

The Halcro range of amplifiers and preamplifiers brings you closer to pure sound reproduction than ever before. They were designed by Bruce Candy, a physicist and an audiophile, to meet his own stringent requirements of absolute musicality via the purest possible signal.

)))HALCRO™

No other amplifier on the market delivers such low levels of distortion, with clarity throughout even the most harmonically complex pieces. Signal interference is virtually eliminated, unearthing ambient inner detail on your favourite recordings. A lower noise floor brings you more dynamic range and improved soundstaging. Top-end, mid-range and bass are life-like and uncolored. The result is pure music, completely natural and non-fatiguing.

If you are passionate about the emotional response produced by music, you must listen to Halcro. In the words of one customer; you can listen with your eyes open, you don't have to imagine anything.

Beneath the elegant shell of a Halcro amplifier lies a combination of revolutionary circuitry, meticulous attention to detail and plain commonsense. Halcro's proprietary circuitry configuration is such a lateral step, it is not recognizable as that of an amplifier to many engineers. The power supply and audio compartments are physically separated and heavily shielded to retain purity of the signal. Levels of distortion and interference are a fraction of that of all other amplification technologies.

## A quantum leap.

Total Harmonic Distortion is less than 1000 parts per billion at full power (20kHz). It is a fact of physics that distortion is responsible for creating ghost notes. For example; when two notes are played simultaneously, say E in one octave and C in the octave above, the distortion of an amplifier will create a third note, G, in the octave below that of E. Within harmonically complex music, distortion clutters the signal with exaggerated, harsh and confusing sounds. Halcro's circuitry has been designed to virtually eliminate these intrinsic non-linear effects.

Halcro's Power Factor Corrected power supply is responsible for the reduction in interference. It delivers a seamless continuum of power, operating normally at any mains voltage between 85V and 270V rms without internal or external switches. It balances the incoming current and voltage waveforms so that they are identical and in-phase. Ambient inner detail, previously buried under low-level interference, is allowed to breathe.

Not only does Halcro provide a clearer signal, it delivers with life-like speed. The power supply rail droop in the Halcro units is a fraction of that of a conventional power supply; hence a slew rate of 100V per microsecond at peak output voltage. The refresh rate is 1/115,000 of a second, compared with standard peak rectification power supplies that refresh approximately every 1/100th of a second.

Seamless power.

The best way to truly understand the effects of these technological advancements is to simply listen to Halcro.

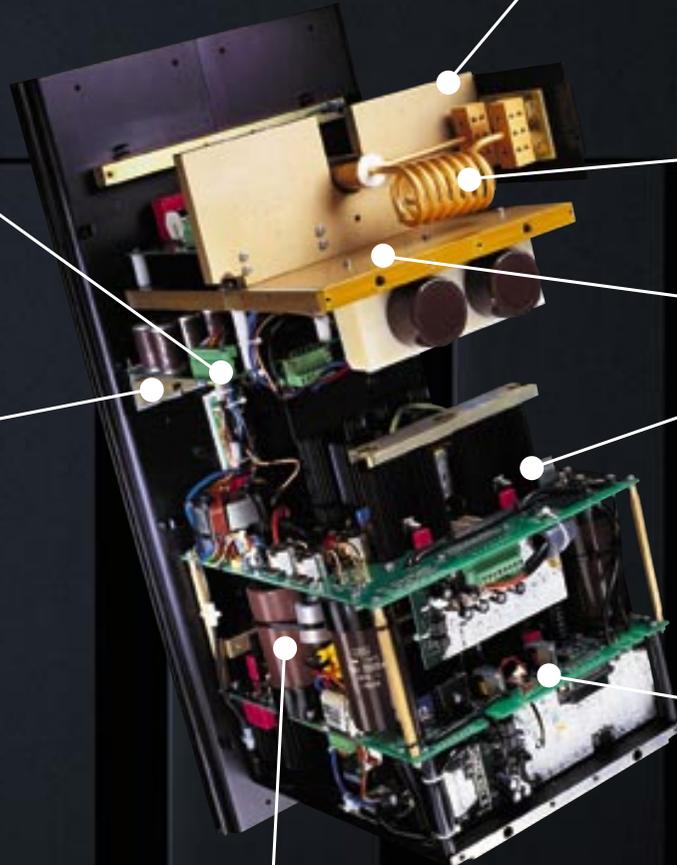
Components used are industrial-grade. They are more tolerant to extremes of temperature and have a longer life than commercial-grade components.

Substantial eddy current and electrostatic shielding used throughout reduces noise coupling which lowers distortion.

Air-pressure activated power switch to minimise interference.

Six-layer Printed Circuit Boards used in amplification stage to isolate and shield functional areas to lower high-end THD.

Twelve MOSFETs provide amplification, allowing amplifier to drive all loudspeaker loads.



Gold-plated wound copper tube connected to speaker terminals lowers inductance.

Housing the amplification and power supply in separate compartments reduces supply-generated noise leaking into the audio section.

Universal Power Factor Corrected power supply. This power supply has no toroidal transformer. It is a switching, not a linear, power supply.

Four-layer Printed Circuit Boards in power supply isolates and shields functional areas improving power supply efficiency.

Fibreoptics are used for the standby/on light. This increases safety and minimises interference.

Large capacitors deliver extremely low Equivalent Series Resistance (ESR) enabling faster response time to signal, resulting in a more natural sound.

Halcro power amplifiers are a triumph of form and function. Wrapped in silky anodised aluminum with solid hardwood feet, these free-standing units complement any environment without overwhelming it.

The power supply and amplification units are housed in completely separate compartments.

This departure from the traditional 'one-box' format freed up the designers to create something approaching sculpture. This innovative design received a 2002 Good Design Award from the Chicago Athenaeum: Museum of Architecture and Design; the oldest and most prestigious industrial design award in the USA.

## Power amplifiers

Attention to detail extends as far as hiding all fasteners from sight. Even the Halcro power amplifier's back plate has been considered; rubber terminal covers and spacing around terminals make it user-friendly.

They sound as good as they look.



### dm68 monoblock amplifier

225 Watts per channel

Distortion of less than 1000 parts per billion

Four input options:

- Balanced voltage input
- Unbalanced voltage input
- Minimal path voltage input
- Current input

Universal power factor corrected power supply:  
85V - 270V rms

Series and common mode filtering on the mains input

Drives all loudspeakers, including electrostatics

Solid rosewood feet

7 Year Warranty

### dm58 monoblock amplifier

200 Watts per channel

Distortion of less than 2000 parts per billion

Two input options:

- Balanced voltage input
- Unbalanced voltage input

Universal power factor corrected power supply:  
85V - 270V rms

Series and common mode filtering on the mains input

Drives all loudspeakers, including electrostatics

Solid mahogany feet

5 Year Warranty

### dm38 stereo amplifier

180 Watts per channel

Distortion of less than 3000 parts per billion

Three input options:

- Balanced voltage input
- Unbalanced voltage input
- Current input

Power factor corrected power supply

Series and common mode filtering on the mains input

Drives all loudspeakers, including electrostatics

Solid mahogany feet

5 Year Warranty

Given the quantum leap in sound reproduction quality delivered by a Halcro power amplifier, it is only logical that other elements of the signal chain need to be of the same high standards. Hence the range of Halcro preamplifiers. Levels of THD and IM distortion are so low that they are immeasurable. Noise specifications are also exceptionally low.

As with the power amplifiers, softer forms and textures are used for the outer casing. Fasteners are concealed and the heatsinks are integrated into the external form to maintain clean simple lines. The volume and input selector knobs use a unique magnetic incremental indexing mechanism developed to provide a very subtle and reliable indexing action. The knobs and buttons are finished in the same soft textural finish as the pillars.

## Preamplifiers

The dm10 includes a reference quality phono stage which allows for cartridge loading adjustment, with continuously variable capacitance and resistance, which means you can precisely calibrate the cartridge to your system. The remote controls are machined from an aluminum extrusion and sit comfortably in your hand with a small array of buttons falling within the natural sweep of the thumb.

Every effort has been made to keep this product free of unnecessary complexity.



## dm10 preamplifier

Balance, mute, phase invert, and mono functions all on the front panel, as well as on the remote control

5V DC trigger, to turn Halcro amplifiers on and off in conjunction with the preamp

All input sockets can be programmed for any source

Power supply and audio section are heavily shielded

Reference quality phono stage with continuously variable cartridge loading adjustment

RCA voltage & current inputs

XLR voltage inputs

RCA voltage & current outputs

Headphone amplifier

## dm8 preamplifier

Balance, mute and phase invert functions all on the front panel, as well as on the remote control

5V DC trigger, to turn Halcro amplifiers on and off in conjunction with the preamp

All input sockets can be programmed for any source

RCA voltage & current inputs

XLR voltage inputs

RCA voltage & current outputs

Each preamplifier comes with a full function remote control housed in a finely textured aluminum extrusion.



dm10



dm8

“They are truly the closest design yet to the ideal of a straight wire with gain.

They simply present truthfully what was recorded without editorializing. As a recording engineer I believe that is the highest praise one can bestow on any audio component.”

Peter McGrath - Recording Engineer, Harmonia Mundi.



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“Stereophile” (USA)  
*‘2002 Product of The Year’*

“Stereophile” (USA)  
*‘2002 Amplifier of The Year’*

“Robb Report” (USA)  
2002 Best of the Best Award 2002  
*‘Best Audio Equipment’*

Chicago Athenaeum:  
Museum of Architecture and Design  
*‘Good Design Award 2002’*

“Stereo Magazine” (Japan)  
2002 Best Buy Component Awards  
*‘Best Buy in the Power Amplifier category above 1 million yen’*

“Stereo Magazine” (Japan)  
2001 Best Buy Component Awards  
*‘Best Buy in the Power Amplifier category above 1 million yen’*

“FM Fan” (Japan) Audio  
Best Buy 2001  
*‘No.1 Power Amplifier in all categories’*

“Radio Technique” (Japan)  
Best Stereo Component Grand Prix 2001 Awards  
*‘Grand Prix Award for No.1 Power Amplifier in all price categories’*

“Super AV” magazine (Hong Kong)  
*‘The Outstanding Power Amplifier 2001’*

“Hi Fi Review” magazine (Hong Kong)  
*‘Product Of The Year 2001’*