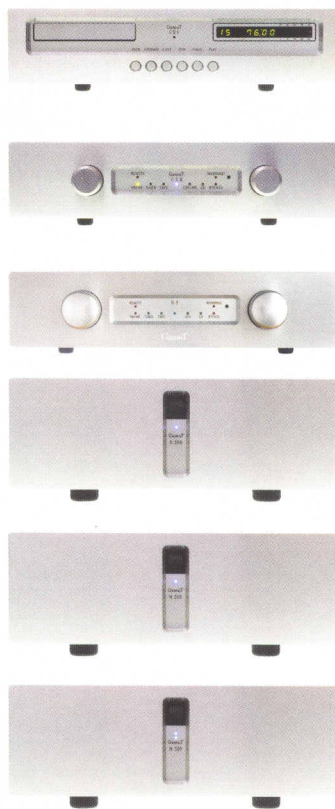


- the entire range
of musical notes...



GamuT

CD1mk2 · C2R · D3 · D200mk3 · M200mk3 · M250mk3

CD I mk2 CD player

In theory, we are on the brink of new formats.
In theory, there are already more than enough good CD players out there.
In theory, all worthwhile improvements have already been made.
That's the theory.
And it's wrong.

This is a new CD player from GamuT in Denmark. It's the same GamuT that won 'the absolute sound's Golden Ear Award for their D200 amplifier.

This CD player challenges all your preconceptions, not simply because of what it does, but also because of what it *doesn't* do.

Good vibrations

There is no such thing as good vibrations in electronics. Vibration equals noise, and noise pollutes a musical experience, whether it's in a concert hall or within a CD player.

GamuT has gone to extraordinary lengths to eliminate vibration.

One example is that the CD drive and all major circuit boards are mounted on rubber insulation.

People who truly understand the damaging effects of vibration place their equipment on elaborate and often expensive platforms designed to absorb vibration.

This is good, but it only addresses one end of the chain. The GamuT CDI addresses vibration at its fundamental source within the player itself.

Namely, the rotating CD-drive.

The difference is immediately audible, relaxing and deeply satisfying.

Heart health

The heart of every CD player is its Digital to Analog Converter.

The GamuT CDI is based on the Crystal CS 4390 24-bit DA converter IC.

For many reasons, not least its extraordinarily low jitter sensitivity, this IC delivers a wonderful, fluid and non-mechanical midrange and treble with exceptionally smooth resolution of fine details.

However, if that was all it took to make a great CD player, everyone would do it.

In reality, it's just the starting point.

A peculiar mistake

Research into speech recognition has shown that our hearing is a system of pattern recognition based on pulses in time.

This is called the *time domain* and it's why the telephone works in spite of the bad frequency response.

To accurately describe a musical event, equipment needs to be true to more than the frequency domain.

It needs to also respect the *time domain*, because the signal changes with time.

But most audio engineers barely even address the time domain.

Invariably, they work and measure in the frequency domain only.

Typically, they will test with square waves, believing they are testing the time domain.

In reality, they are not.

A continuous square wave signal is just a lot of sine waves added together.

Watching this on a scope does *not* tell you about time domain performance.

We cannot explain why this important fact is so widely misunderstood and so often overlooked.

We can only tell you that it is a bad thing.

The overall theme of GamuT equipment is "time domain fidelity" and we take it very seriously.

You don't need an engineering background to understand the enormous importance of treating time domain performance with respect.

All you need is your ears.

The human ear and other sensitive testing equipment

Scientific technology tells the truth, but it's only a partial truth.

That's why the most satisfying audio components are ultimately as much about art as science.

Science can get you part of the way there but the other part is harder.

GamuT's founder has the advantage of having designed and built several of the world's finest recording studios. It takes an intimate familiarity with live performance and recording processes to reach a place that speaks to the heart, not just the head.

Why now?

Because you have a large investment in a collection of CD's you care about.
Because CD's will be around for a long time yet.
Because the GamuT CDI will make them sound much better than ever.
Because new format machines at this price will make them sound worse.
Because the GamuT CDI does things in a way that few players can achieve, regardless of cost.
Because it will take you not just deep into the sound but into the *music*.
Because it is as much a product of art as science.
Because any system will immediately benefit.
Because it is a perfect partner to our award-winning amps. Because the CDI will give you a deeply satisfying musical experience.
Otherwise, we wouldn't have bothered to make it.

About our name

Many people ask about the meaning of our name. Webster's Unabridged Dictionary will confirm that it's a musical expression from Latin that originally meant 'the entire range of musical notes.'
Which is exactly what you will hear.

A few specifications

D/A converter: Crystal CS 4390 24-bit 128 times oversampling with reduced jitter sensitivity. It delivers a wonderfully fluid, non-mechanical sounding midrange and exceptionally smooth resolution of fine details.

Front panel: 10mm thick aluminium with engraved text panel in polished aluminium to match the design of GamuT amplifiers and preamplifiers.

Output signal:	4 V
Output impedance:	75 Ohm
RCA sockets:	one pair; gold plated
XLR male sockets:	one pair; balanced, gold plated
BNC digital output:	75 Ohm
THD:	0.002%
Signal to noise:	limited by 16 bit CD signal to 98dB
Dimensions:	431mm W, 408mm D, 112mm H
Shipping weight:	15 kg.



GamuT
INTERNATIONAL ^{AS}

Definition without intervention

D3 and C2R preamplifiers

If something is repeated often enough, it tends to become accepted as truth.

Audio has its fair share of such myths.

One of these is the "simple is better" myth.

The theory is that less is more.

The reality is that less is less.

The correct number of parts is the right number of parts.

No more, no less.

If you are willing to accept that old myths are not necessarily true at all, we would like to introduce you to two preamplifiers from GamuT of Denmark.

The same GamuT that won 'the absolute sound' Golden Ear Award for their D200 amplifier.

These preamplifiers tell the truth.

But more importantly, they tell it with arresting and seductive purity.

0.0002% and other refreshing numbers

The GamuT D3 and C2R are designed to perfectly match our power amplifiers. They use the same low-noise power supply technology and both have a distortion so low that it is difficult to measure. Typically, we measure 2nd and 3rd harmonics at 0.0002%. To put that highly desirable number another way, it is 114dB below the signal level.

If purity has a sound, this is it.

Teaching cables good manners

If you give cables the chance to make mischief, they will make it.

The challenge is to control them so they cannot misbehave.

That's why the output impedance of a GamuT preamplifier is 75 Ohm. This output impedance can control interconnect cables very effectively.

Inside the preamp, the same problem exists.

Strangely, it is largely ignored.

For reasons of habit rather than best practice, most preamplifiers, even extremely expensive ones, have a 10kOhm level control or even higher.

This is very unlikely to frighten internal cables into good behaviour.

To solve this problem, GamuT uses a 1kOhm level control. This reduces the internal problem by a factor of ten.

In the real world, this means it is effectively eliminated.

Now your music flows unimpeded through the internal maze of connections and emerges intact and pristine.

You may wonder why more audio designers don't address these problems?

Some of the best do.

But it's fair to wonder why most don't.

Perhaps it's because the necessary skills are far from common outside the recording industry.

There, the problem is multiplied by 100 channels and hundreds of feet of cable.

It isn't coincidental that GamuT's founder has designed and built some of the world's finest recording studios.

Few companies in the world have such deep experience in eliminating the problems of cable interactions.

This experience is abundantly evident in these amplifiers.

You don't have to take our word for it.

You can hear it.

Sometimes, the best preamplifier is no preamplifier

If your primary source is CD or a DAC with built-in level control, we think you will be very pleased by one function in particular. The one marked "Bypass."

It routes your CD signal directly to the power amp and completely bypasses all active parts.

You enjoy the shortest possible signal path for your CD source without having to unplug the pre amp.

Yet you're instantly ready to switch to a tuner or other source.

Furthermore, the D3 preamplifier offers an HTH (Home Theater) bypass option that enables the Main L & R outputs of a surround processor to be linked to the power amplifier without having to move interconnects around every time. A worthwhile function, don't you agree? Watching on an oscilloscope does *not* tell you about time domain performance.

We can't understand why this important fact is so widely misunderstood and so often overlooked.

We can only tell you that it is a bad thing.

The overall theme of GamuT equipment is "time domain fidelity" and we take it very seriously.

You don't need an engineering background to realize the enormous importance of treating time domain performance with respect. All you need is your ears.

Life is long

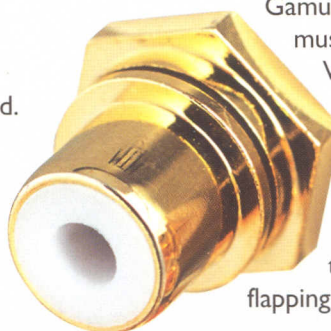
We have selected high quality and long-life parts for the GamuT preamplifiers so you can enjoy your music for a long time.

We've always done this.

Our oldest amplifiers, from 1982, are still working perfectly in professional recording studios, doing their job 16 or even 24 hours a day.

We have no patience with equipment that performs well but is injured by the

flapping of a butterfly's wings.



A few specifications

	C2R	D3
Frequency range:	20-20kHz +/-0.1dB	5-26kHz +/-0.1dB
Distortion:	(THD+N (2V) less than 0.001% mainly 2nd harmonic	(THD+N (2V) less than 0.001% mainly 2nd harmonic
Noise:	Better than 100dBA	Better than 110dBA
Gain:	6dB	6dB
Inputs and outputs:		
RCA stereo inputs:	four	four
XLR balanced stereo input:	one	one
XLR parallel balanced outputs:	two (for easy bi-amping)	two (for easy bi-amping)
RCA unbalanced stereo output:	one	one
RCA record unbalanced stereo output:	one	one
Internal MM/MC board:	optional	n/a
Bypass functions:	XLR direct	XLR direct HTH direct
Power supply:	Common power supply	True dual mono
Remote control:	Input, mute and level.	Input, mute and level.
Dimensions:	431mm W, 427mm D, 113mm H	431mm W, 427mm D, 113mm H
Shipping weight:	15kg	18kg



GamuT
INTERNATIONAL %

A range of reference power amplifiers

D200mk3, M200mk3 and M250mk3

The problem with high-power amplifiers

Audio lovers often debate the merits of one transistor type versus another.

They're worrying about the wrong thing.

The bigger concern is that transistors are limited in their power handling ability.

This limitation means that the only way to build a high powered amp is to use a lot of transistors in parallel, to carry the power load together. And that is the problem.

Even with the most careful selection and matching, no two transistors are truly identical.

This is a problem that the audio industry recognizes but doesn't like to talk about.

The problem is compounded when you attempt to match fourteen, sixteen and often many more transistors.

Just like a large group of people, they can never totally agree.

What you hear is a mixture of all those different signals.

The finer nuances that bring music to life are inevitably lost in the mixture.

So the delicate details, the tiny cues that give music its soul, simply disappear.

Perhaps that's why so many people gravitate to the sound of low powered amps and have been willing to sacrifice the authority and control that comes with real power.

For 30 years, this is the problem that has plagued all high powered amps. The problem has finally been solved.

The GamuT solution.

Not an improvement, but a fundamental advance

A channel in a typical 200 watt amplifier uses anywhere from four to sixteen or more power transistors in parallel. That's a lot of voices, all singing slightly different tunes.

Now, please be sure you are seated before you read the next sentence.

In a 200 watt GamuT amplifier, there is just one single transistor from the positive power supply to the loudspeaker.

So when the audio signal goes positive, there is only one signal path to the loudspeaker, not many paths.

You don't need a degree in electrical engineering to realise that this unique single MOSFET advantage is no simple refinement of existing techniques.

Similarly, only one transistor handles the negative power-supply, it is used when the audio signal goes negative. It is a major leap forward in music reproduction, made possible by a remarkable advance in MOSFET technology. These innovative new transistors are the heart of every GamuT amplifier.

They are so powerful that a single one of them can handle 500 Watts and a peak current of more than 300 Amperes.

They are very expensive because they were developed for extremely demanding aerospace applications.

To use their awesome capabilities, it was necessary to design an entirely different circuit to drive them.

The time was well spent, as you will immediately hear.

We said this was a breakthrough. It is no exaggeration.

But this isn't just about power,

It's about the purity of that power

In one stroke, matching problems disappear.

Immediately, you can locate each instrument in a three-dimensional acoustic space, with width, depth and height precisely defined.

Dynamics that were previously constrained are set gloriously free.

There is an abundance of detail without glare or aggressiveness.

You do not need to take this on faith.

You will hear it for yourself within ten seconds.

The difference is immediately audible and delightful in its purity and ease.

Built for life

All parts have been selected for long life so you can enjoy your music for a long time.

It's also clear that two transistors are far less likely to cause problems than sixteen or more.

Some reviews that make us proud

Harry Pearson, Editor in Chief of 'the absolute sound' journal says the GamuT D200 is "... possessed of the most completely realized musicality of any solid state amp in my experience." ... "The entire instrumental and vocal ensembles had that quality of 'there-ness' rare in any audio experience"

... "the GamuT actually reminded Markwell (my colleague) of the best in triode amplification, while to me, it did all the things that tubes do, without any evident tube-like footprint, and had the clarity and transparency of the best solid-state." ... "Indeed, this was the first time the system exhibited real transparency, knocking me off the fence and making me want to spend time just listening to music for the fun of it." ... "Sweet and seductive in that nearly ineffable way the real thing is." "...you'll have a foretaste of paradise."

This single MOSFET replaces many of these.



When Jonathan Valin from 'the absolute sound' journal awarded the Gamut D200 a Golden Ear Award for 2000, he said

"It has the best soundstaging I've yet heard from any amp, fully equal to the world-class, \$30,000 Lamm ML-2's that won one of my Golden Ear Awards last year - superb width, depth, focus and layering that makes other amplifiers, even far more expensive ones, sound as if they are slightly constricting musical space." " ... an extraordinarily neutral sounding device ... it almost sounds as if it isn't in the circuit ..." "... extremely dynamic and extremely discerning ... dynamic resolution that puts it in a class by itself at its price and power rating ... one of the most detailed amplifiers I've auditioned."

(These quotes are used with the permission of the Editor.)

The 'Nouvelle Revue du Son' wrote about D200 MK3: *The Gamut constitutes henceforth the standard against which other solid state power amplifiers will be judged. It even risks putting certain tube designs in the shade. A revelation!*

HiFi Choice in England selected the Gamut D200 for its Editors Choice Award, saying that *"From the outset, the sound was crisp, beautifully timed, atmospheric and tactile ... it portrays 'the "life" in a recording with startling vivacity."*

Hifi&records magazine in Germany wrote: *"An absolute dream amplifier from Denmark"..."the builder of this amplifier has more knowledge than many other people. It is a smash hit, it is one of the 6 best amplifiers existing, regardless of price."..."it does details like a 20Watt Class A amplifier, and it has plenty of power"..."a true Geheimtipp."* (Best advice to your friends).

Thank you, gentlemen.

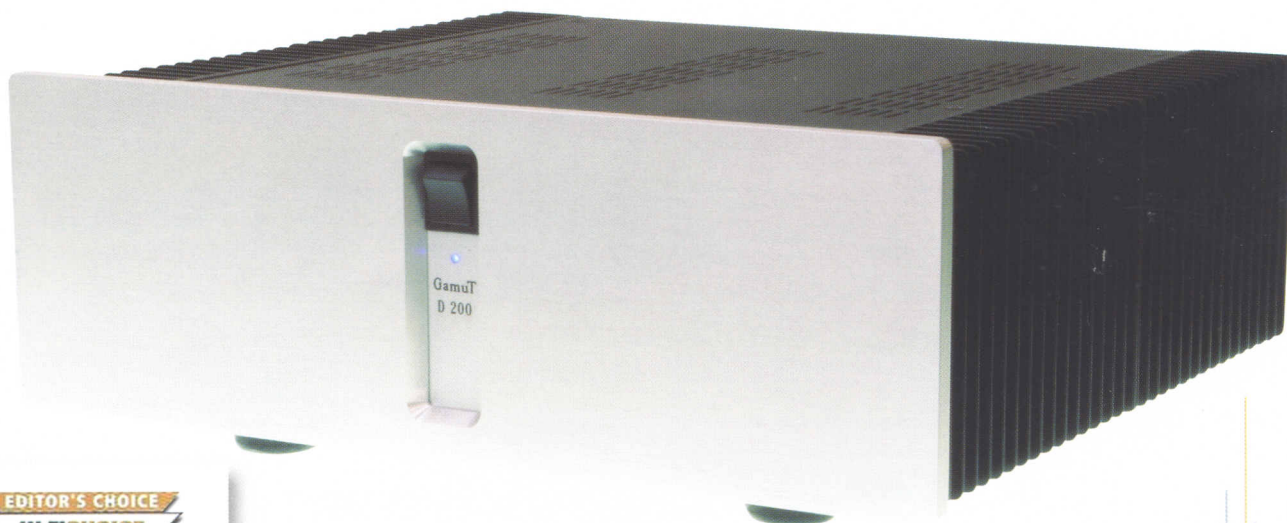
Our pro audio experience

Our amplifiers have been purchased for reference and test use by many famous audio companies.

For example, dCS, maker of the dCS Elgar converter. Also, speaker makers like Audio Physic, Peerless and Gradient.

Our pro amplifiers have been used in the production of recordings for many well known artists including George Michael, Elton John, Depeche Mode, Oscar Peterson, David Sanborn, The London Symphony Orchestra, The Prague Symphony Orchestra and The China National Traditional Orchestra.

We are pleased and proud.



2003.

Golden Ear Awards 2000



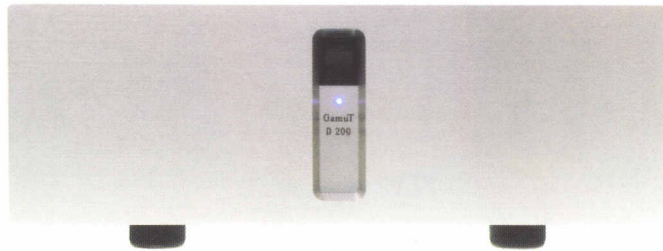
D200 MK3

Editors Choice

Best buy 2003.

"The absolute sound."

Gamut
INTERNATIONAL %

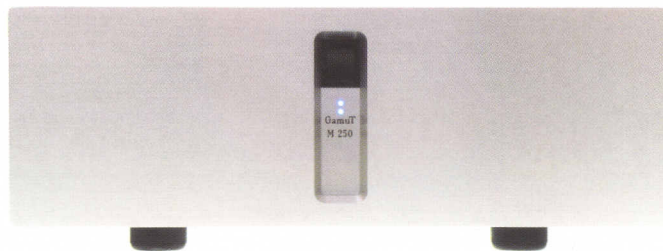
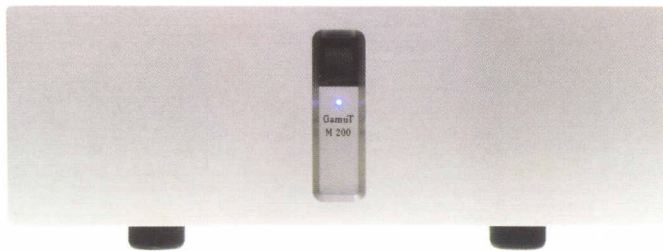


A few specifications

Intelligent protection: Typically, amplifiers use cheap current limiting protection. They either fail to protect or they act too carefully, which means they cause momentary distortions and remove dynamic peaks.

The advanced protection system in a GamuT is much more sophisticated and much more honest. If it detects a current at the limit, it will mute for a moment. So you only ever hear pure, non-distorted audio, giving music its full, exciting dynamic range. The circuit checks voltage, current and load. The protection is so advanced that we need only one fuse. This is good, because fuses are quite neurotic. They often have nervous breakdowns for no good reason. Usually, they choose to have them at some late and inconvenient hour, so we include a spare in the fuse holder.

WBT output terminals: They are expensive but they're the best. They'll take spade lugs or stripped wire. We placed them more than the usual 3/4 inches apart to make space for big cables (and for your fingers).



For more technical information, see our website:
www.gamutaudio.com

Frequency response:	5Hz to 100kHz to match the new digital formats.
Noise:	At least 100dBA below 100 Watts into 8 Ohm, depending on the gain selected (-6dB gain -105dBA).
THD (1kHz):	below 0.05%. Distortion is mainly 2nd harmonic, decreasing with level.
CCIF:	19/20 kHz below 0.005%.
Speaker loads:	down to 1.5 Ohm.
Input impedance:	10 kOhm active balanced XLR and single ended RCA. 20 kOhm option as special order.
Front panel:	10mm thick aluminium in silver look. The design matches our GamuT preamplifier and GamuT CD player.
Dimensions:	W 430mm, D 446mm, H 155mm
Mains voltage ranges:	According to country, 230 Volt AC, 115 Volt AC or 100 Volt AC.

	Dual Mono D200mk3	Monoblock M200mk3	Monoblock M250mk3
Continuous output power			
Into 8 Ohms:	2x200 Watts	1x200 Watts	1x250 Watts
Into 4 Ohms:	2x400 Watts	1x400 Watts	1x500 Watts
Idle power consumption:	100 Watts	50 Watts	80 Watts each
Wiring	Bi-wiring	Bi-wiring	Bi-wiring
Shipping weight:	31kg	24kg	35kg

Life is a process of continuous discovery and refinement. For this reason, we reserve the right to change without advance notice.



GamuT

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