

MUSICAL FIDELITY

When music matters most

Reference Guide to:

X-PONENTS

elektra

A
Series

f
SERIES

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X-PONENTS

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X10-D THE MISSING LINK

WHAT HI-FI?

AWARDS
1996
Must Have Product

Input impedance	470 k Ω
Output impedance	< 200 Ω
THD	< 0.005% 10Hz-100KHz
Frequency response	10Hz-100KHz \pm 0.2dB
Crosstalk	> -85dB 20Hz-20KHz
S/N ratio	> -98dB unweighted > -112dB 'A' weighted
Valve type	2 x ECC88
Dimensions	110 x 110 x 220mm (W x H x D) Width and height include feet
Weight	1.3 kgs
Standard accessories	12V mains adaptor

"...the Musical Fidelity unit lives up to its claims of greater sweetness, dynamics and bass extension."

"For less than the cost of an add-on DAC, let alone a new player, the Musical Fidelity X10-D is worthy of serious investigation."

What Hi-Fi (UK)

"When we connected the X10-D, the CD players we used sounded more mature. There was more information and we were less aware of the loudspeakers. The bass response especially had more attack. **We found nothing negative about the X10-D.** This unit is our secret tip for a better sound."

Stereo (Germany)

"**The X10-D is a really astonishing device** that offers a real possibility of upgrading your Hi-Fi system."

High Fidelity (Italy)

"We used the X-10D between the Audio Alchemy converter and the amplifier. We found more authority in the bass, the sound was lively, transparent and had more presence. **Most delegates bought the Musical Fidelity "Missing Link" for their own Hi-Fi**"

Hi-Fi Concept (Germany)

"**The X10-D is such good value that if you don't want to buy it you are mad, or criminal, or criminally mad, or reckless, or stupid, or.....**"

Audio Review (Italy)

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X10-D THE MISSING LINK

As the X10-D is a unique product, rather than go through its features and benefits we thought you would prefer that we asked ourselves the sort of questions that you might ask us.

What is the X10-D (The Missing Link)?

The X10-D is a pure class 'A' triode CD line stage. It dramatically improves the performance of any CD player to which it is connected.

How is it used?

All you have to do is take the analogue output from your existing CD player (any CD player), plug this into the inputs of the X10-D and then plug the outputs of the X10-D into your existing amplifier. You will find that there is a dramatic improvement in performance. The sound is sweeter, clearer and more dynamic. At the same time the bottom end is deeper and the imaging is greatly improved.

Come on! Who are you kidding? The Missing Link is just adding distortion, noise and altering the frequency response and therefore destroying the purity of the original.

This is not correct. The Missing Link's measurements are as follows:

Distortion from 10Hz to 100kHz at 775mV output, less than 0.005%.

Residual noise measured below 775mV output, -98dB unweighted or -112dB 'A' weighted.

Frequency response 10Hz to 100kHz \pm 0.2dB.

Crosstalk better than -85dB.

So as you can see, in practice the X10-D produces no appreciable distortion or noise and does not alter the frequency response. In fact its technical measurements are better than most CD players.

Okay so how does The Missing Link work then?

CD players never quite seem to achieve the potential that their technical specifications promise. Musical Fidelity believes that we have discovered the reason why. The technical side of most CD players, including quite old units, is excellent. However we have found that they are usually let down by the analogue output stage which has difficulties driving the variable inductive, capacitive and resistive loads presented by a typical amplifier and cable combination.

What The Missing Link does is to offer a perfectly steady load for your existing CD player's analogue stages to drive. The Missing Link allows your CD player to work the way its designers originally imagined and intended and thus release its true musical potential. Once The Missing Link has presented a perfect load to your CD player, and allowed it to work to its full potential, it then drives the load presented by the amplifier with ease. The result is a hard-to-believe improvement in sound.

Ah yes, but if all you're after is impedance matching why bother with tubes?

Inherently tubes have a very high input impedance and allow elegant simplicity in the circuit design. This means that, whilst The Missing Link is offering a perfect load to your CD player its subsequent circuitry is elegant simplicity itself. The Missing Link does not add distortion, noise or alter the frequency response, but it does deliver the simply indefinable magic of tubes and will turn your existing CD player into a state-of-the-art sounding machine.

“If you feel that CD’s sound harsh or edgy this should be firmly on your must have list.”
What Hi-Fi (UK) - **“Must Have” product of the year award.**

“After trying the X10-D I found it 100% functional, for its small cost and huge audio performance **this device is a gift for all audiophiles.**”

“I believe all audio lovers owning a system costing less than £2500 should purchase an X10-D. The less expensive the system you own, the more the X10-D is effective.”

“I tested the X10-D with two popular moderate price CD players, a Denon and a Philips, both cost less than £250. When listening with the X10-D connected the overall sonic quality was increased by 50%, the biggest difference is in string music, the X10-D restored the rich harmonies and tonal balance, enhancing the spatial and 3 dimensional stereo imaging. Another benefit is that the image remains very stable during loud passages and I could turn up the volume louder without listening fatigue.”

“If you use the example of changing the interconnect cable to achieve the same improvement I would say that even with ones costing over £1000 you would still not experience the same improvement.”

“**Musical Fidelity’s X10-D is a miracle product**, it will bring fine and romantic tube sound into thousands of homes, from now on tube sound is no longer the privilege of tube amplifier owners only.”

Audiophile (Hong Kong)

“The X10-D is a musical pleasure. **The improvement from using the X10-D is the greatest I have ever experienced in listening to Hi-Fi.**”

Hi-Fi Video Test (Holland)

“If we carried out a straw poll among readers, I bet many would cite CD harshness as their biggest problem.”

“It isn’t just that the treble can be a touch fierce and edgy. At worst, CD can sound coarse and over-forceful, with a crude blatancy that lacks any delicacy or subtlety. Allied to this is a lack of depth and spaciousness which makes the music sound ‘flat’ dynamically, and lacking in dimension.”

“If all this strikes a chord, you’ll be interested in Musical Fidelity’s X10-D.”

“Please don’t see ‘valves’ and assume the X10-D works by adding lots of nice second harmonic distortion while rounding off sharp leading edges. It isn’t so.”

“The X10-D doesn’t seem to colour the sound, nor does it reduce transient attack, dynamics or speed.”

“The music gains weight and tonal body, sounding much fuller and sweeter. Play a bright recording and it still sounds bright, yet the treble seems smoother and richer with more depth. Instruments and voices separate out better. Rather than tending to crowd up, each part retains more of its individual timbre. Overall the music sounds cleaner and better sorted, as though unwanted contaminations had been reduced.”

“Although sold as a CD upgrade, the X10-D has a wide range of uses. For example, you could put it between a preamp and power amp and enjoy the same kind of improvements you hear with it between the preamp and CD.”

“The X10-D is a lovely product that **combines superb build and performance with exceptional value for money.** It looks vastly more expensive than its relatively modest price tag would indicate.”

“**In short, the Musical Fidelity X10-D is a great little product!**”

Hi-Fi Choice (UK)

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“What happened when the X10-D was connected and working? Suddenly as if by magic the sound of the CD player became more unrestrained, more rounded, more agreeable.. ”

“In short the music flowed with persuasion, the bass was enriched with detail, the mid more focused, the high frequencies more convincing.”

“...we personally invite you try this little wonder.”

Audio Review (Italy)

“Interested? you should be - this is a cracker. **The styling is distinctive in a hi-fi meets nuclear warhead fun kind of way.**”

“Cheaper (under £400) CD players really get a chance to show what they are made of. Suddenly the bass starts to slam, the midrange snaps into focus, and the stereo spread does exactly that.”

“...wire it into a modern-ish budget CD system and you’ll think you’ve suddenly shelled out twice as much.”

T3 Magazine (UK)

“With the CD63SE in particular **the X10-D transformed the sound**, especially in those areas where the CD63SE itself is weak. There was more body... Dynamics were vastly improved. There was more *there* there.”

“It takes the \$500 Marantz CD63SE and makes it sound more like a \$1500 - \$2000 CD player.”

“...if you own something like the Marantz CD63 and you’re reasonably happy with your CD player, **don’t give it another thought: Buy a Musical Fidelity X10-D.**”

Stereophile (USA)

“Time and time again listening tests showed that as an active device the X10-D was of excellent quality. As a line stage, it compared very well with high quality pre-amplifiers. In a top grade audio system its insertion loss was very low and this inspired confidence in the matching possibilities.”

“Especially (with) older, grainy sounding CD players with weaker output stages, the X10-D had the ability to enrich their sound, reduce sibilance and sweeten the treble. Stereo focus was more positive and the bass lines were delivered with greater precision and power.”

“Performing as advertised, the X10-D is a neutral and transparent line buffer. Build quality is high, and **it offers an impeccable technical performance at an attractive price.**”

Hi-Fi News and Record Review (UK)

“In general use of the Musical Fidelity widget produced an immediately more vital, energetic sound, one that was more obviously in control, an effect very similar to that obtained by a good amplifier upgrade. Strings had more ‘bite’ and a more organic, expressive quality. Brass had greater body, and a richer, more complex upper harmonic structure.”

“In practice it was remarkably transparent to the source player, and more dynamic and lively than the original in each case.”

“My guess is that the X10-D is doing precisely what it appears to be doing, namely driving the pre-amp input more effectively. In any case it has to be the simplest, most elegant and cost effective CD player upgrade yet, as well as being the most improbable. **A knockout.**”

Hi-Fi News and Record Review (UK)

“CD has spawned many widgets of dubious merit, but Paul Miller reckons this one really works!”

Hi-Fi Choice (UK)

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X-A50

WHAT HI-FI?



50 Watt Monobloc Power Amplifier

Output power	50 watts, 8Ω (17 dBW) 100 watts, 4Ω
THD	< 0.04% 20Hz-20kHz unweighted < 0.01% 20Hz-20kHz 'A' weighted < 0.008% 20Hz-20kHz @ 1W unweighted
Frequency response	20Hz-20kHz ± 0.2dB
S/N ratio	> -102dB unweighted > -114dB 'A' weighted
Power consumption	120 watts
Dimensions	110 x 110 x 330mm (W x H x D) Width and height include feet Depth includes terminals
Weight	3.3 kgs
Standard accessories	IEC type mains lead

“...they just sounded enormous: snappy, informative, pacy. It’s a mark of good amps when the sound is not just a polite tableau but, instead, a three-dimensional entity barely contained by the speakers. There was bass, there was treble - and there was music.”

“Straight away I heard amazing imagery, metronomic timekeeping and authentic dynamics.”

“...detail, imagery, timing, power in reserve.”

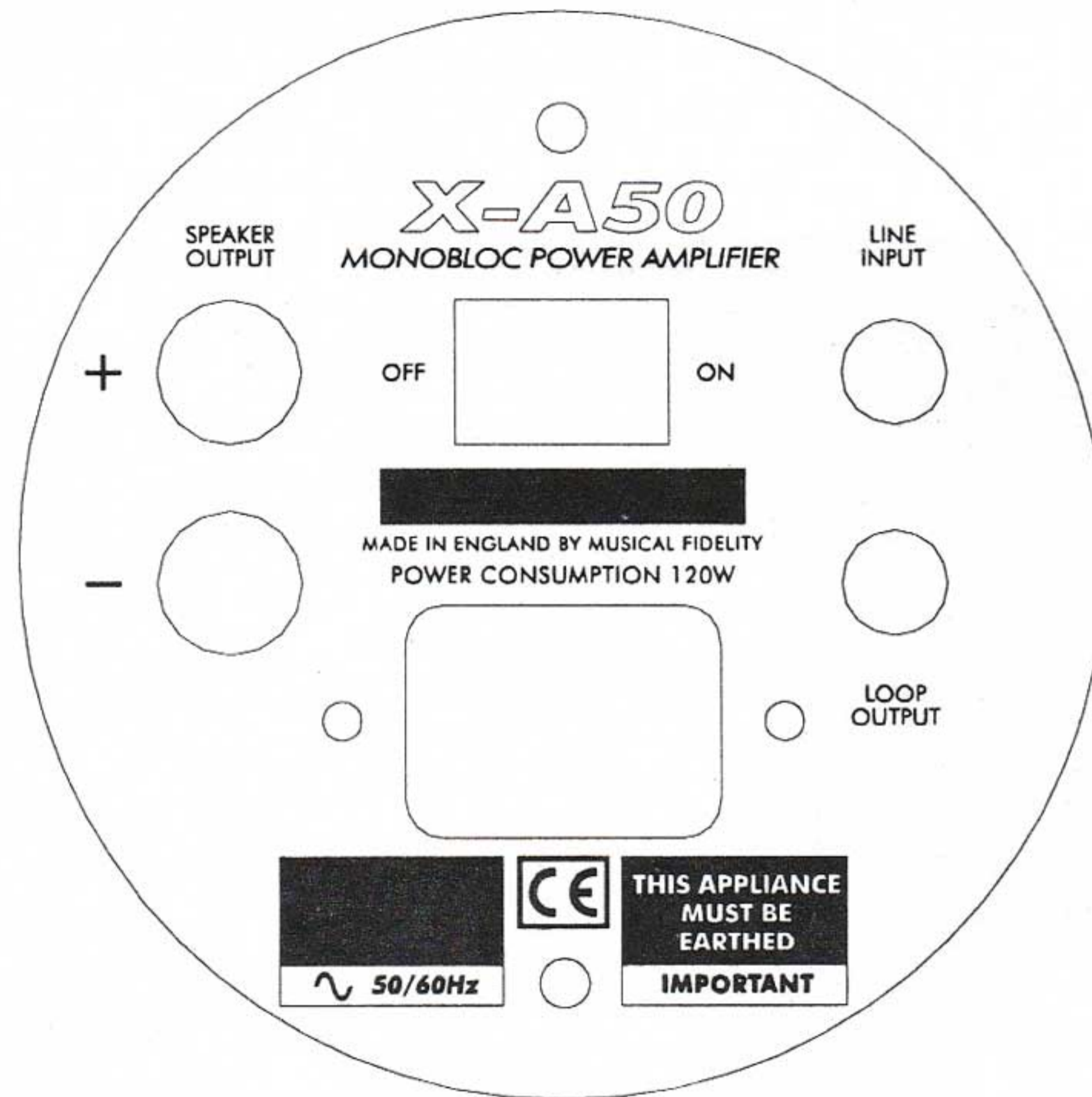
“...all I can say is that I didn’t want to put them back in the box.”

“Theres something special about the Musical Fidelity X-A50s, something that transcends the ordinary. If you can hear it, you should buy ‘em.”

Stan Vincent - Editor in Chief, Hi-Fi Choice

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Features

Benefits

Two pairs of high current bipolar power transistors per unit

Very high peak current delivery gives excellent load driving ability coupled to solid bass control

Loop out facility

Allows easy 'daisy-chaining' of X-A50s for bi or tri-amping or home cinema use with existing setup

Compact monobloc construction

Complete physical separation of left and right channels for faultless soundstaging and imaging properties - ideal for surround sound use. Each unit may be placed very close to its speaker minimising the loudspeaker cable lengths - improves sound quality, particularly bass control

“...at 1W/20kHz, distortion is just 0.007% a figure that compares favourably with the midband (1W/1kHz) figure of 0.002%. But step on the gas and the distortion increases to a *near inconsequential* 0.04%.”

“...although the X-A50 is rated at 50W, it'll actually deliver 65W continuously into 8 ohms. Under dynamic conditions, however you'll squeeze 92W, 180W, 342W and a full 571W up to 1% THD into 8, 4, 2 and 1 ohms load respectively.”

“...23.9Amps remains spectacularly generous for a mere '50W' amplifier!”

Paul Miller - Lab report, Hi-Fi Choice

“...when it comes to performance this is one special amplifier. It boasts smoothness and lucidity you'd hardly expect for this money.”

“They go loud and drive hard, meaning they're able to bang out rock and dance tracks with serious impact. But they really come into thier own when handling recordings of real instruments in a real acoustic, delivering a sense of space that's striking, along with pinsharp instrumental timbres.”

“...the star is the Musical Fidelity: it looks great, and its sound will hold the attention for as long as you care to listen.”

Group test winner - What Hi-Fi ★★★★★

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X-ACT

WHAT HI-FI?



18 bit Digital to Analog Converter

THD	< 0.07% 1kHz unweighted < 0.05% 1kHz 'A' weighted
Frequency response	20Hz-20kHz \pm 0.3dB
S/N ratio	> -95dB unweighted > -105dB 'A' weighted
Crosstalk	> -85dB 20Hz-20kHz
Conversion type	18 bit, 8x oversampled
Dimensions	110 x 110 x 220mm (W x H x D) Width and height include feet
Weight	1.3 kgs
Standard accessories	12V mains adaptor

“In use the X-ACT proves a real revelation. You get a sound with much of the power and detail retrieval of the more expensive X-DAC, and a smoothness and musicality that makes for a deceptively easy listen.”

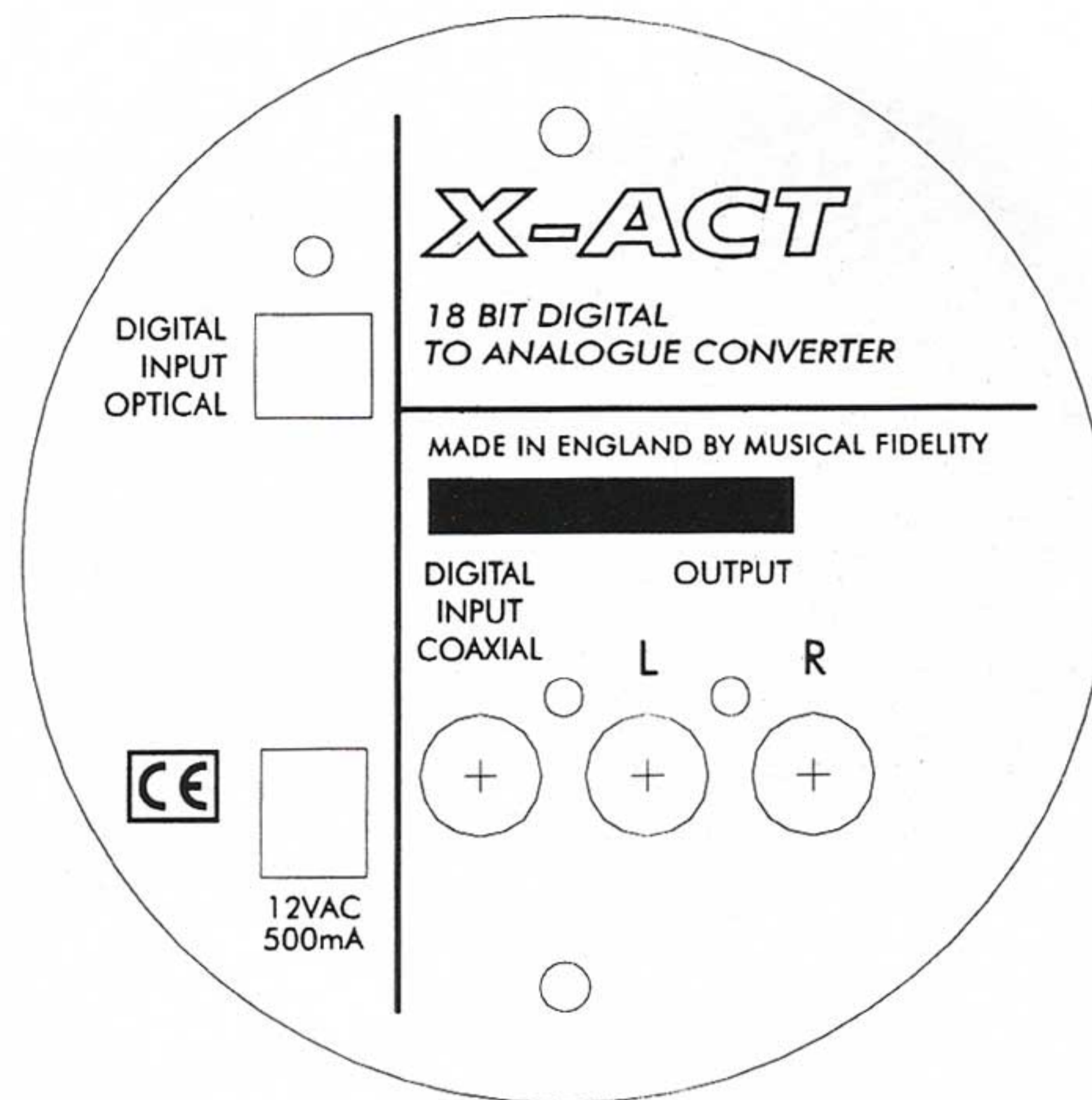
“The bass is forceful, but tightly controlled and the midrange and treble integrates slickly to convey all the presence and ambience of the music.”

“..its a bargain.”

What Hi-Fi 

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Features

Benefits

18 bit conversion system

The X-ACT's built in digital filter automatically interpolates the standard 16 bit CD datastream to give an 18 bit input to the D/A converter resulting in a smoother more organic sound quality

Sophisticated double sided PCB layout

Optimum analog and digital signal and ground circuit routing resulting in excellent technical performance

Automatically locks to 38kHz, 44.1kHz or 48kHz sample rates

Compatible with CD, DAT and satellite radio digital standards

8x oversampling

Allows a simple and phase coherent analog filter stage for a highly natural and revealing sound quality, whilst moving any digital artefacts well above the audible range

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X-CANS

WHAT HI-FI?



Class A Single Ended Triode Tube Headphone Amplifier

Max output power	100mW into 40Ω > 100mW for loads >40Ω
THD	< 0.02% 20Hz-20kHz unweighted < 0.007% 20Hz-20kHz 'A' weighted
S/N ratio	> -80dB unweighted > -86dB 'A' weighted

All measurements are made at 3.5mW into 40Ω

Dimensions	110 x 110 x 220mm (W x H x D) Width and height include feet
Weight	1.4 kgs
Standard accessories	12V mains adaptor

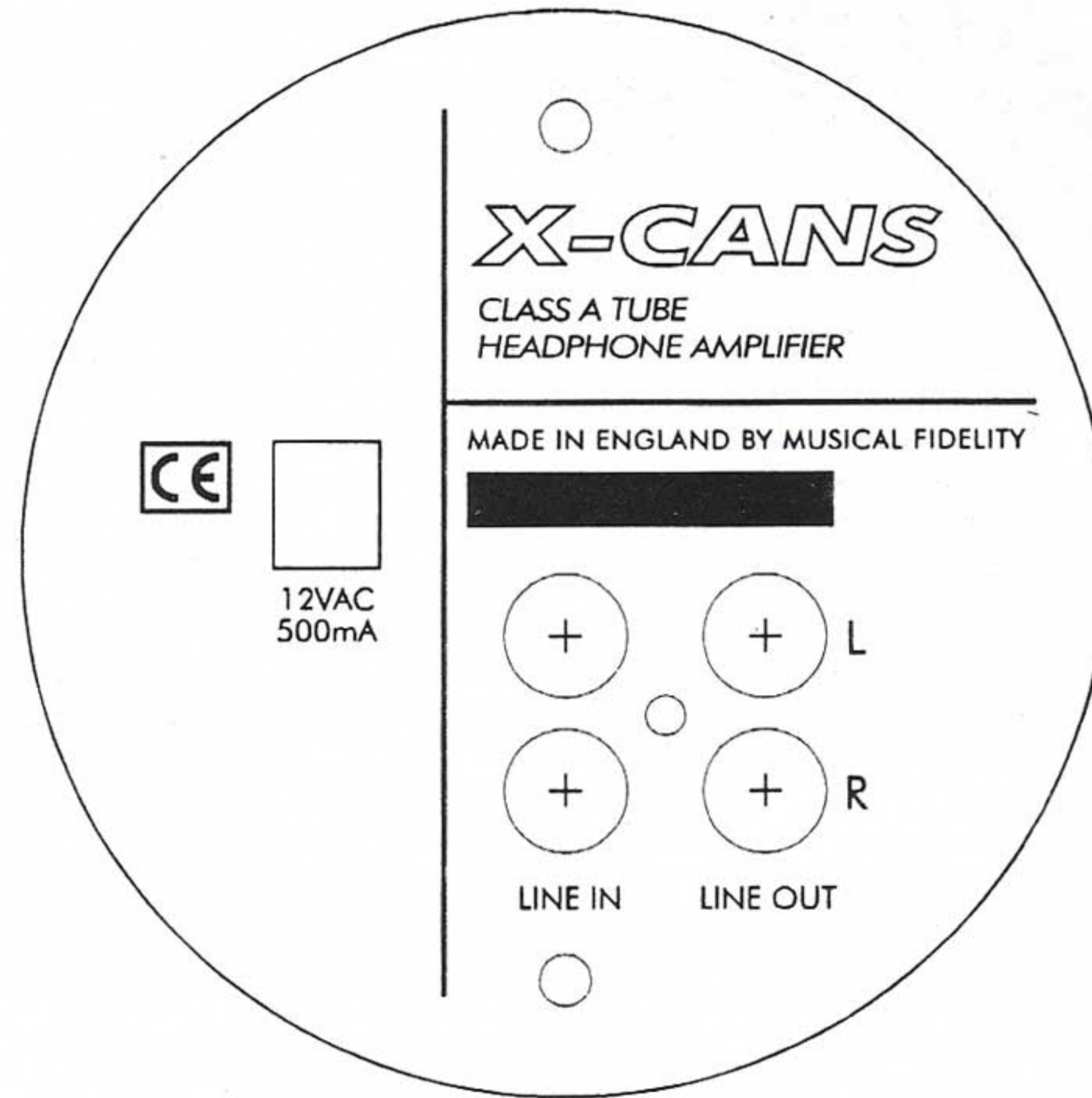
“I was immediately struck by the X-CANS’ sheer dynamic capability and grunt allied to its delightful musicality”

“So pleasurable is headphone listening with the X-CANS doing the driving that the only limiting factor is headphone comfort”

Hi-Fi News and Record Review

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Features

Benefits

Class A single ended triode tube design

True high end performance for headphones

Line In & Line Out connections

Allows use in the tape monitor loop whilst retaining full tape monitor functionality

Optimum PCB layout and high quality components throughout

Ensures maximum sound quality and reliability

External mains transformer

Extremely low background noise levels maximise dynamic range and low level detail resolution

Powerful tube output stage

Easily drives low impedance headphones to realistic levels

“...theres a sense of effortlessness to the sound...”

“Theres no lack of clarity here”

“Listening to ‘homeless’ from the Paul Simon album the X-CANS proved a revealing partner, able to convey the layered sound of the singing and pinpoint the different contributions made by individual musicians. ”

“The X-CANS is a fine device”

What Hi-Fi ★★★★★

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X-DAC

WHAT HI-FI?



HDCD Digital to Analog Converter

THD	< 0.02% 20Hz-20kHz unweighted < 0.008% 20Hz-20kHz 'A' weighted
Frequency response	20Hz-20kHz \pm 0.2dB
S/N ratio	> -90dB unweighted > -100dB 'A' weighted
Conversion type	18 bit Co-phase 8x oversampled
Dimensions	110 x 110 x 220mm (W x H x D) Width and height include feet
Weight	1.3 kgs
Standard accessories	12V mains adaptor

“Spaciousness, dimensionality and soundstaging were very good, as were tonal neutrality, bass extension and impact. Additionally edginess was low.”

“This little D/A converter really sounded good and operated flawlessly.”

“I enjoyed my experience with it, and would commend it to anyone in the market for a good, moderately priced D/A converter.”

Audio

“Together with the X-DAC [used with Pioneer PD-S904 and X-10D] the transformation is total and amazing. Possibly Gobsmaacking.”

Hi-Fi Choice

“...the almost magical feathery airiness of the X-DAC weaves a powerful spell...”

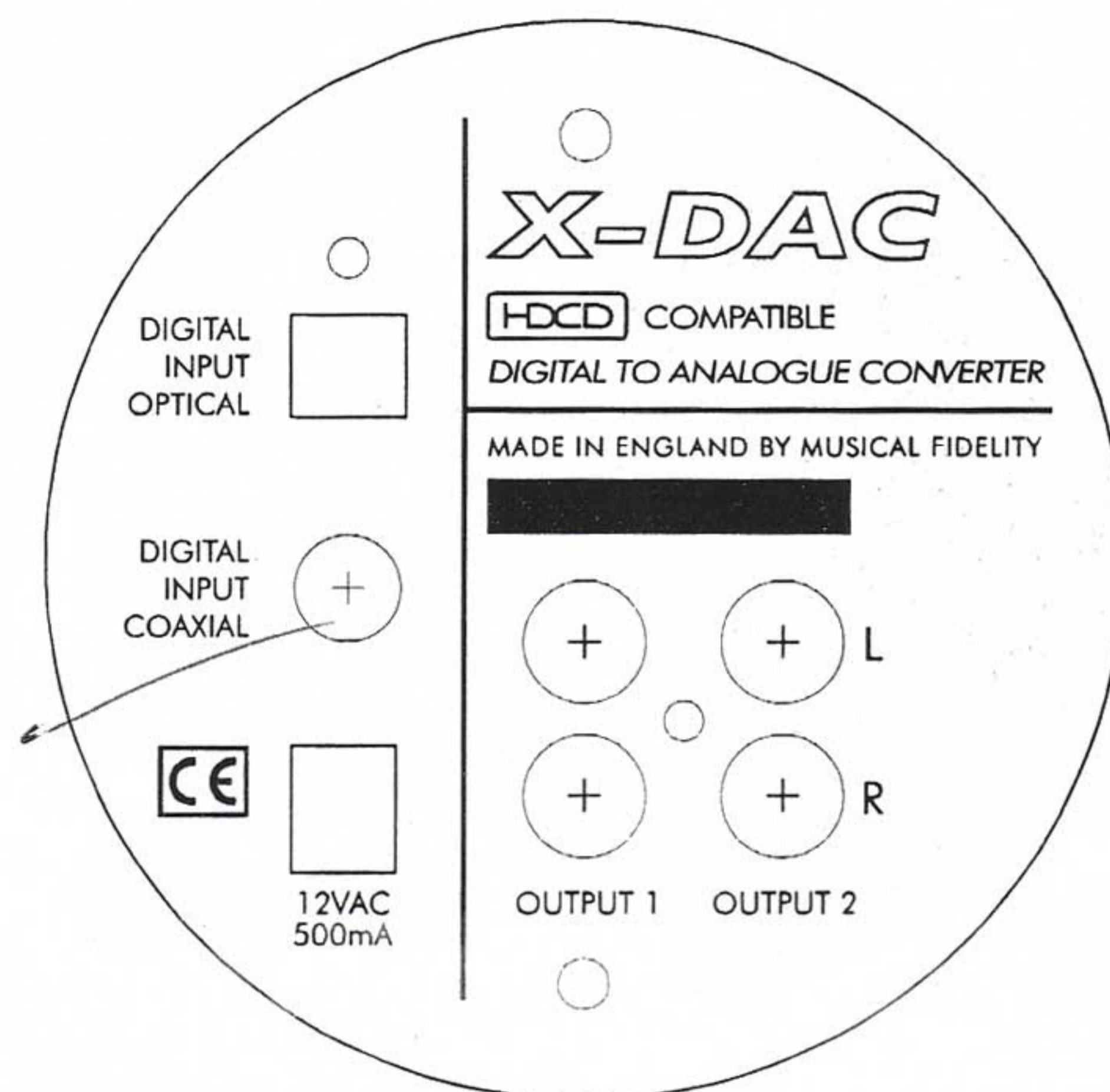
“...if you're looking for an upgrade or new CD playing system on a sensible budget the X-DAC should definitely be on your short-list.”

“...the X-DAC's value for money is undoubted and it can be thoroughly recommended.”

Hi-Fi News and Record Review

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“The X-DAC was impressive right out of the box...”

“The X-DAC’s most impressive sonic aspect was its deep, authoritative bass. This little converter went down deep, with a power and solidity I usually hear only in more expensive products.”

“The X-DAC’s bass was also full, dynamically expressive, and well defined, with excellent pitch definition and dynamic impact.”

“The X-DAC’s midrange liquidity and lack of treble tizz played a large role in my overall enjoyment of this processor.”

“Soundstage size and definition were exceptional for a converter at this price.”

“The X-DAC has raised the stakes in budget digital processors. This little converter was surprising in its overall musicality and ability to hold up in long listening sessions without producing fatigue. In its best qualities - midrange liquidity, clean treble, transparency, deep and solid bass - the X-DAC is competitive with the best \$1000 processors”

“I had to remind myself I was listening to a \$600 converter.”

“If I had \$600 to spend on a digital processor today, the X-DAC would be at the top of my list. Even if you have a bigger processor budget, you should audition the X-DAC; it offers much more performance than you’d expect. **The Musical Fidelity X-DAC’s excellent sound quality, HDCD decoding and price tag have earned it my enthusiastic recommendation for budget minded audiophiles.”**

Stereophile

“Using the X-DAC in conjunction with a typical budget CD player literally transformed what had been the routine into something quite exceptional.”

“It fulfils its purpose admirably, coaxing a genuinely superior performance from the front-end of a quite ordinary CD player. Indeed so effective is it in this role that the two-box combination so formed could hold its head high in extremely elevated company.”

Gramophone

“In use the X-DAC’s bass is warm and well weighted, yet rhythmically taut and controlled, ensuring the scale of a symphony orchestra is conveyed as convincingly as driving rock drums and electric bass. This power integrates smoothly with a deliciously detailed midband, bringing out the character of voices and instruments, while the treble is beautifully clear.”

What Hi-Fi ★★★★★

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X-LP

WHAT HI-FI?



MM/MC Phono Stage

MM input

Sensitivity	3mV
Input impedance	47k Ω
THD	< 0.01% @ 1kHz, 350mV out
Input overload margin	27dB
S/N ratio	> -75dB unweighted > -80dB 'A' weighted

MC input

Sensitivity	350 μ V
Input impedance	100 Ω
THD	< 0.01% @ 1kHz, 350mV out
Input overload margin	27dB
S/N ratio	> -65dB unweighted > -72dB 'A' weighted

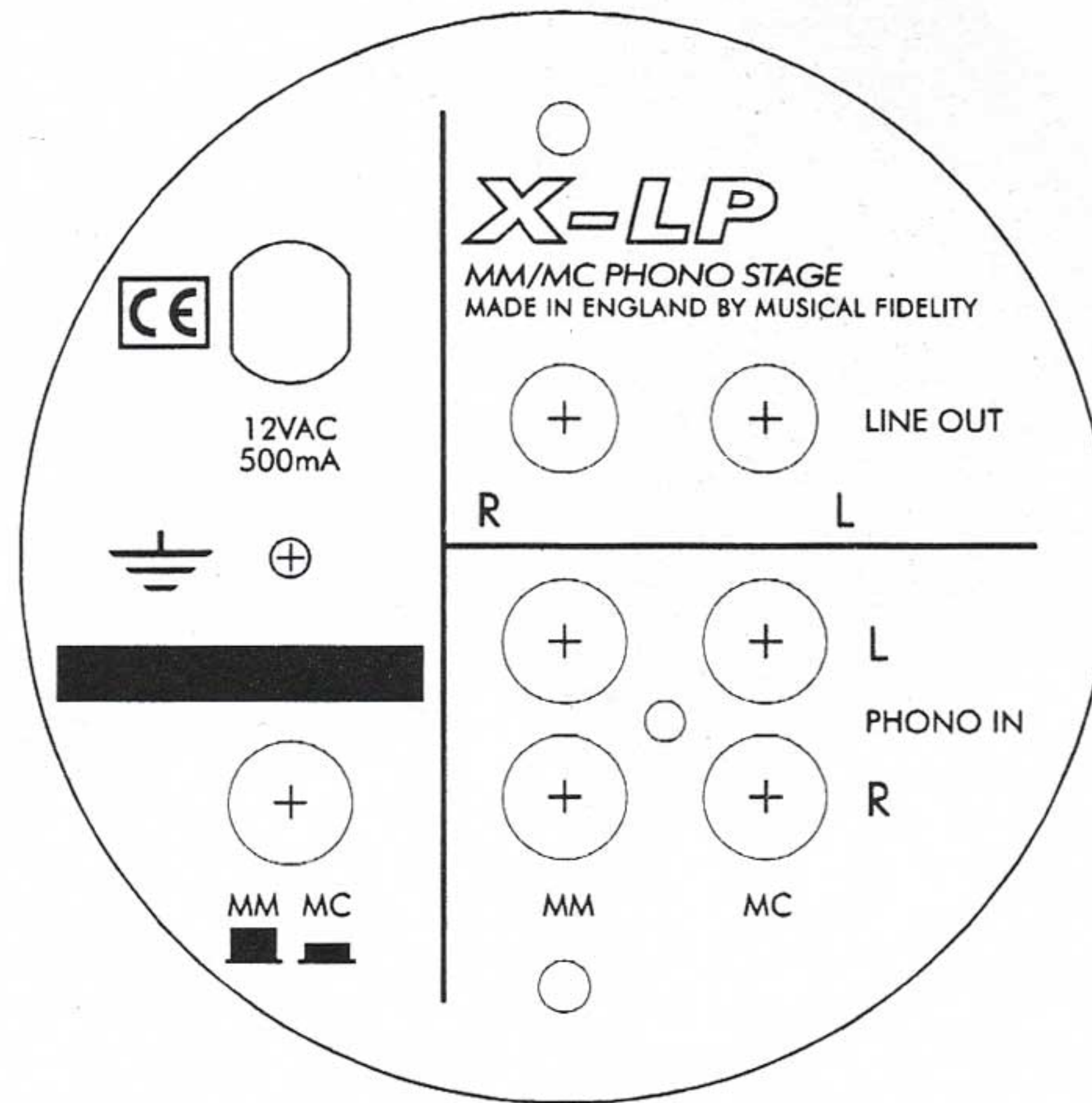
General

RIAA accuracy	20Hz-20kHz \pm 0.5dB
Dimensions	110 x 110 x 220mm (W x H x D) Width and height include feet
Weight	1.3 kgs
Standard accessories	12V mains adaptor

“...a distinct bargain.”
Gramophone

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Features

Benefits

Separate dedicated MM and MC inputs

Allow use of either cartridge type into the optimum termination impedance for the best possible results

Wide overload margin

Extended headroom allows effortless handling of transients and dynamics

Sophisticated PCB layout with very close attention given to optimising circuit layout, the result of 15 years experience with phono

Low noise, low distortion and accurate RIAA gives a dynamic crystalline sound

Very low noise circuits

Maximum available dynamic range and low level detail resolution

“Satisfyingly engineered in Musical Fidelity’s X-Series cylindrical casing, this is a phono stage offering fine value to both the eye and ear.”

“...it significantly improves the sound of the already excellent Planar 2 turntable / Alpha 8 amp partnership [used for this test] and easily justifies the outlay. The decks performance is cleaned up and scaled out, giving instruments and voices a more realistic sense of proportion and definition. The result is tremendous cohesion and listenability...”

“...the price tag makes the X-LP a bargain.”

What Hi-Fi ★★★★★

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X-PRE

Class A Single Ended Triode Tube Preamplifier

Inputs	4 Line
THD	< 0.007% 20Hz-20kHz unweighted < 0.005% 20Hz-20kHz 'A' weighted
Frequency response	20Hz-20kHz \pm 0.3dB
Crosstalk	> -63dB separation
S/N ratio	> -78dB unweighted > -88dB 'A' weighted
Valve type	2 x ECC88
Dimensions	110 x 110 x 220mm (W x H x D) Width and height include feet
Weight	1.4 kgs
Standard accessories	12V mains adaptor

“Its extra crispness gave both music and performance a more tactile quality, while its purity maintained a sense of rich flowing warmth: the best of both worlds really.”

“There was an attractive integrity from high treble to deep bass, plus a beautifully full smooth sounding midband. The X-PRE was impressive in hi-fi terms - excellent transient attack, clean leading edges, vivid ‘3D’ stereo imagery - but not ‘hi-fi’ in the perjorative sense of being over brilliant and tiring. It just sounded natural and right.”

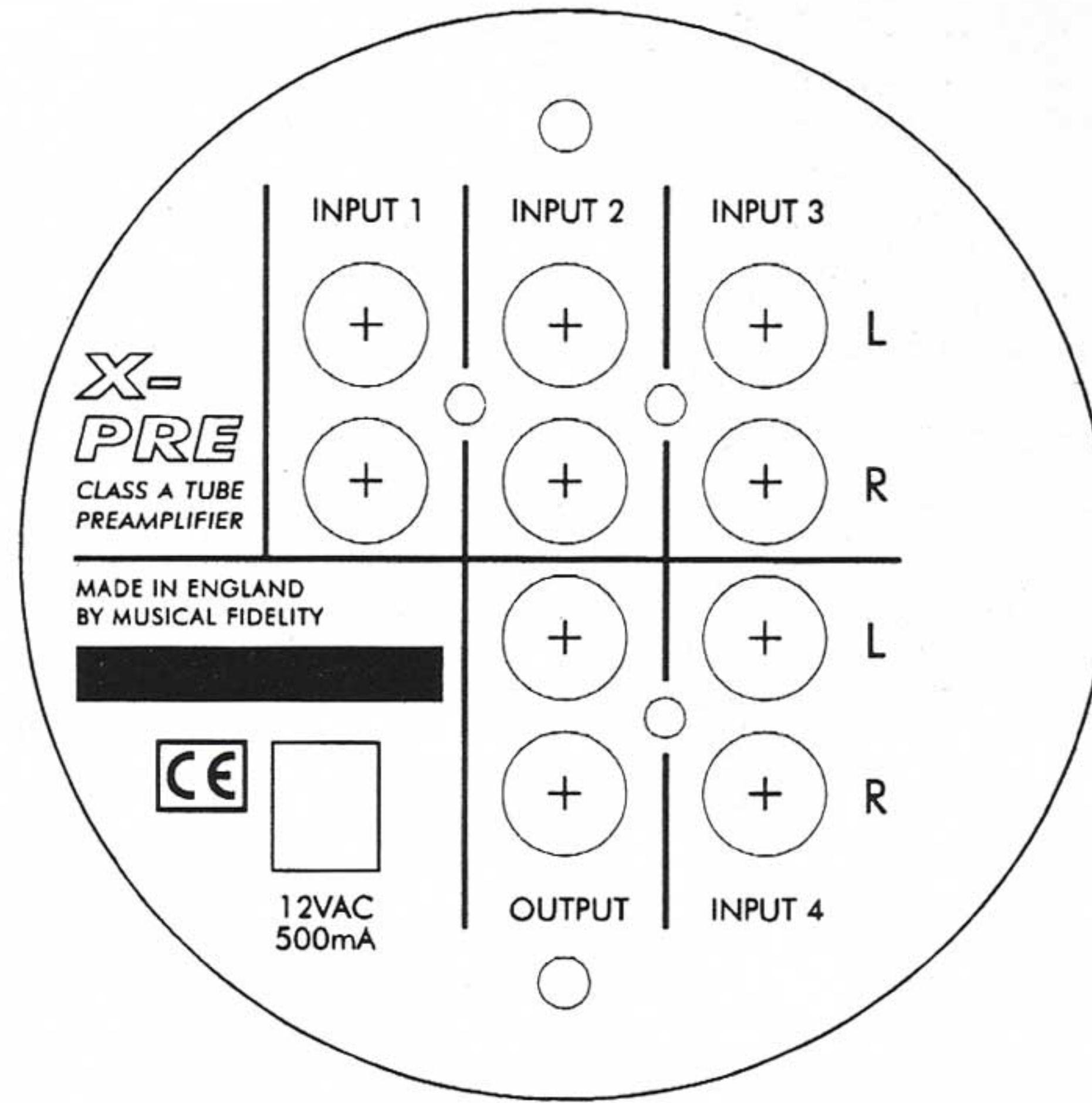
“I’d need to be very convinced to want to spend more. So don’t listen with your eyes, allowing its low selling price to convince you it can’t be any good!

The X-PRE offers those among us with champagne tastes a chance to imbibe at beer-budget prices.”

Hi-Fi News and Record Review

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Features

Benefits

Class A single ended triode tube design

High end valve preamplifier sound quality rivaling the very best components

Circuit topology based on the now legendary X-10D

Like the X10-D the X-PRE improves the sound quality of many line level components in addition to performing as a very high quality preamp

Minimalist elegant design, 4 inputs and volume control

Maintains maximum signal fidelity by only including truly useful facilities

External mains transformer

Improves the already excellent signal to noise ratio for pupil dilating clarity!

Very high quality output stage with low output impedance

Gives both excellent and consistent sound quality with a wide range of amplifiers

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X-PSU

X-Series Upgrade Power Supply

Outputs	Four @ 12Vac 20VA
Dimensions	110 x 110 x 220mm (W x H x D) Width and height include feet
Weight	2.4 kgs
Standard accessories	IEC mains lead Set of four X-Series power leads

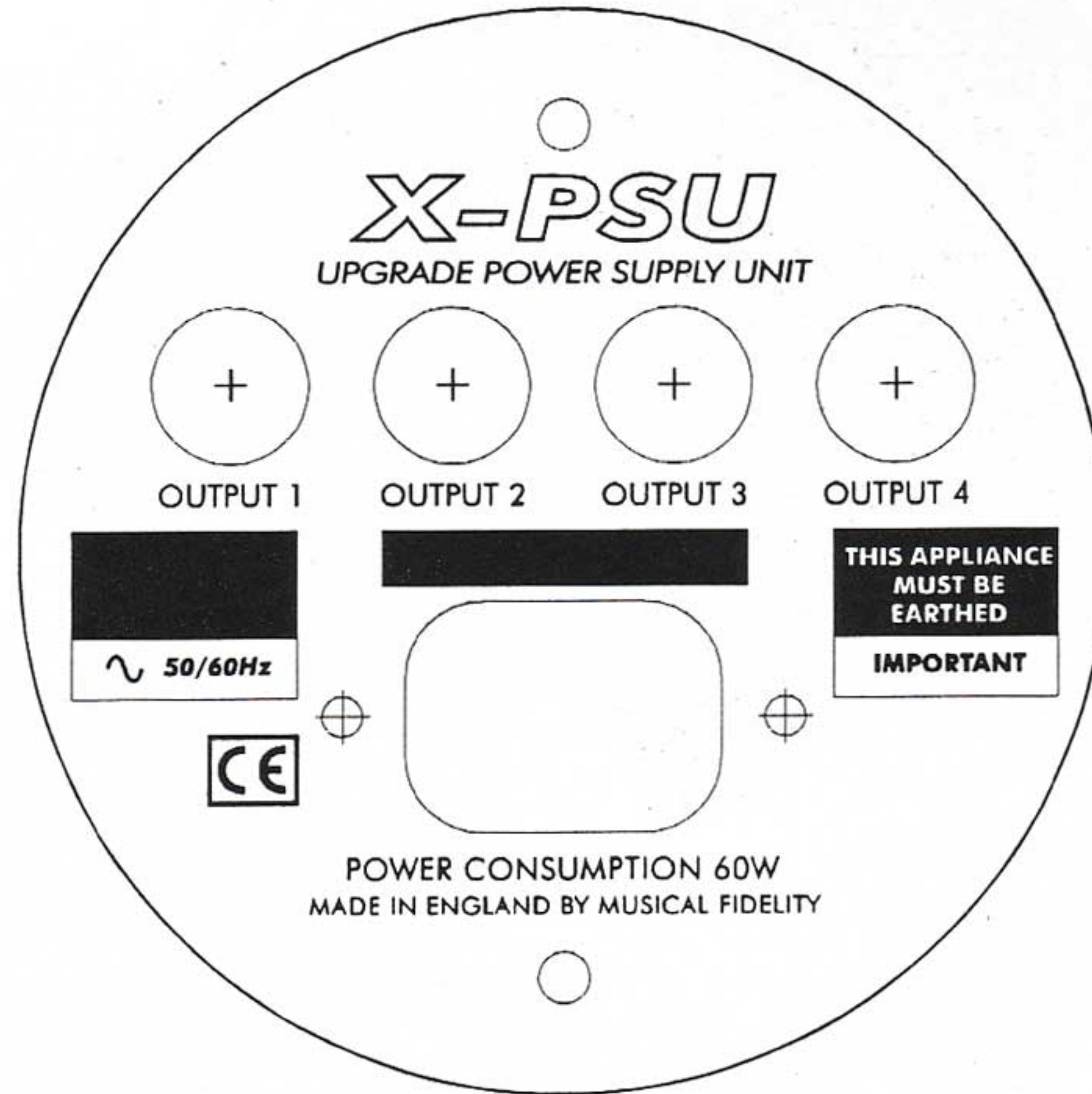
“It definitely improves sound quality. Swap one or more of the plug-top transformers for an X-PSU, and you’ll hear an altogether richer sound. I heard a difference replacing just one transformer; connecting more X-units to the X-PSU enhances the effect still further. Last but not least the X-PSU has a practical benefit: a mains on/off switch for those who’d rather not leave their X components switched on all day...”

“X marks the spot!”

Hi-Fi Choice

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Features

Mains filtering built in

Four separate outputs

Benefits

Improves sonic fidelity whilst ensuring consistent performance

Powers and upgrades four X-Series units

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X-TONE

Fine Adjustment Tone Control

Bass roll-off frequencies	30Hz/60Hz/120Hz
Treble roll-off frequencies	5kHz/10kHz/15kHz
Maximum boost/cut	$\pm 9\text{dB}$ at rated frequencies above
THD	$< 0.006\%$ 20Hz-20kHz unweighted < 0.003 20Hz-20kHz 'A' weighted
Frequency response (controls flat)	20Hz-20kHz $\pm 0.2\text{dB}$
Crosstalk	$> -85\text{dB}$ separation 20Hz-20kHz
S/N ratio	$> -98\text{dB}$ unweighted $> -112\text{dB}$ 'A' weighted
Dimensions	110 x 110 x 220mm (W x H x D) Width and height include feet
Weight	1.3 kgs
Standard accessories	12V mains adaptor

"...the X-TONE really does work. It has virtually no effect on things when switched out, so the purity of your signal is uncompromised."

"With judicious adjustment you can roll off the extreme highs without dulling treble impact and tonal brilliance. Or boost the deep bass to bolster the bottom end of small speakers without creating boom."

"...its a steal, and probably just what many systems are crying out for if only people knew about it."

"You owe it to your system to investigate!"

Hi-Fi Choice

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Features

High quality audio components and circuitry

Adjustable Bass and Treble roll off frequencies

Carefully chosen Bass and Treble filters aligned to avoid affecting the midrange frequencies

Benefits

Ensures minimal colouration and gives excellent clear sound quality

Allows exact tailoring of frequency response characteristics to suit your particular application

Allows the subtle tailoring of system sound to for instance, adjust for room anomalies, resonances etc. without upsetting the all important midrange tonality, subjectively this preserves the musicality and openness of the source material often lost with other tone control circuits

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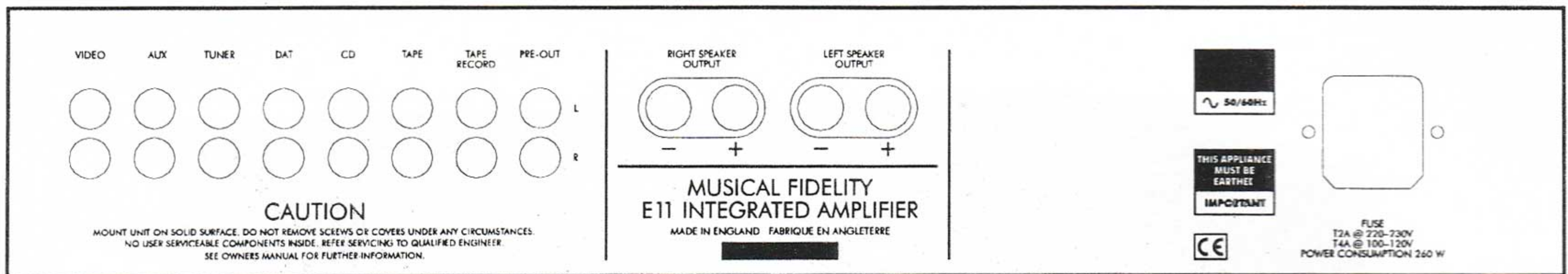


E11 Integrated Amplifier

Power output	60 w !@ atts per channel, 8Ω (18 dBW)
THD	< 0.007% at 1kHz < 0.03% 20Hz - 20kHz at 10W
Frequency response	10Hz-40kHz ± 1dB
Inputs	6 Line
Input sensitivity	200mV
S/N ratio	> -91dB unweighted > -100dB 'A' weighted
Power consumption	260 watts
Dimensions	440 x 95 x 340mm (W x D x H) Height includes feet
Weight	9 kgs
Standard accessories	IEC type mains lead

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E11 Integrated Amplifier

Features

Benefits

Class A/B output stage

Combines the benefits of Class A (smooth sound at average listening levels) with the advantages of Class B (efficient use of power supply)

Active preamp output included

Allows flexible use of the E11 in multi-room or surround sound situations

Two pairs of high current bi-polar power transistors per channel

The E11 easily drives most speakers and can provide large peak currents giving very low distortion under dynamic conditions

Structured internally as separate pre and power amps but packaged in an integrated chassis

Allows optimum design free from intermodulation and other distortions that can occur when these circuits are combined but with the advantage of perfect interconnection between them

Sophisticated PCB layout featuring extended star-earthing system

Minimises amplitude and phase distortion at high frequencies and high currents

Fully discrete preamp and poweramp circuits

No I.C.s are used, all circuitry is designed specifically for its purpose. Constructing the circuits from ground level up allows Musical Fidelity engineers complete freedom to optimise the E11 design for the very best sound quality possible

Tape monitor circuit

Allows off-tape monitoring with three head tape decks, plus insertion of sound processors

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E20 Pre Amplifier

THD	< 0.01%
Frequency response	20Hz - 20kHz \pm 1dB
Inputs	5 Line, 2 Tape, 1 Phono (MM/MC)
Input sensitivities	MM 3mV MC 500 μ V Line 250mV
S/N ratio	Line > -85dB
Power consumption	10 watts
Dimensions	440 x 95 x 340mm (W x H x D) Height includes feet
Weight	5.2 kgs
Standard accessories	Remote control unit Batteries (2 x SUM-4, "AAA", "R03")

"...the Musical Fidelity [E20/E30] combo sounds **big and rich** without succumbing to bloom or boom."

"...there's no shortage of crunch and drive."

"Instruments are natural and distinctive, with excellent timbre and power, and there's good air and ambience in the delivery. Yes the new Elektra two-box is **a fine all rounder.**"

"Add the **gorgeous finish**, the power to drive even tricky speakers, generous input provision and the user-appeal of the dinky remote handset, and the Elektras have plenty going for them."

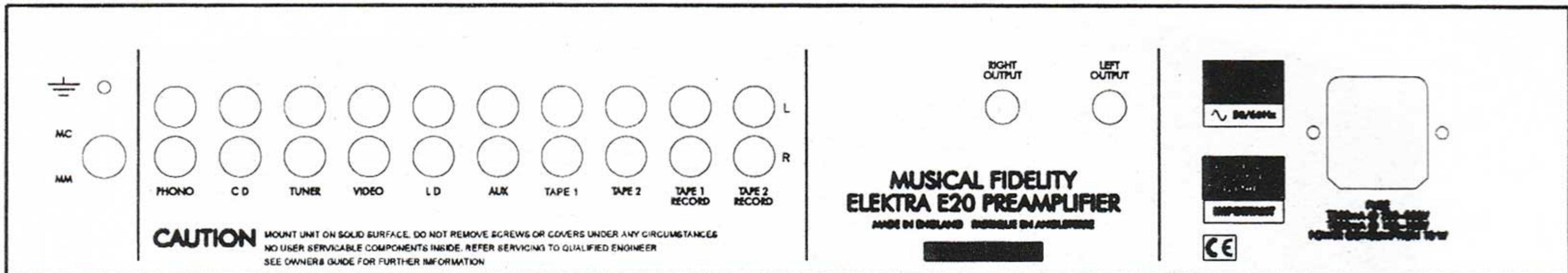
What Hi-fi

"Great stuff, and **great value for money.**"

Hi-Fi News & Record Review

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E20 Pre Amplifier

Features

Large number of inputs enables the connection of phono (MM or MC), CD, Tuner, Video, Laser Disc, Aux and 2 Tape recorders

Switchable tape dubbing

Sophisticated state-of-the-art circuitry

High current Class 'A' headphone power amp

Full remote control operation

High integrity build quality using metal front panel, diecast knobs, gold phono sockets, high quality printed circuit board substrate and high quality electronic components

Benefits

Enough for almost any imaginable system now and in the future

This allows you to listen to one source whilst recording another

Extraordinary sound quality at a competitive price

You will not believe what your headphones are capable of until you hear them driven by the E20's dedicated Class 'A' headphone power amp

Motorised volume control and solid state switching allow remote control whilst maintaining top-notch sound quality

Beautiful sound, beautiful feel, beautiful appearance gives you perceived and real value with longevity

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E30 Power Amplifier

Power output	100 watts per channel, 8 Ω (20 dBW) 160 watts per channel, 4 Ω
THD	typically <0.05%
Frequency response	20Hz - 20kHz \pm 1dB
Input sensitivity	0.775V 33k Ω
Power consumption	400 watts
Dimensions	440 x 95 x 340mm (W x H x D) Height includes feet
Weight	9.5 kgs
Standard accessories	IEC type mains lead

“...the Musical Fidelity [E20/E30] combo sounds **big and rich** without succumbing to bloom or boom.”

“...there’s no shortage of crunch and drive.”

“Instruments are natural and distinctive, with excellent timbre and power, and there’s good air and ambience in the delivery. Yes the new Elektra two-box is **a fine all rounder.**”

“Add the **gorgeous finish**, the power to drive even tricky speakers, generous input provision and the user-appeal of the dinky remote handset, and the Elektras have plenty going for them.”

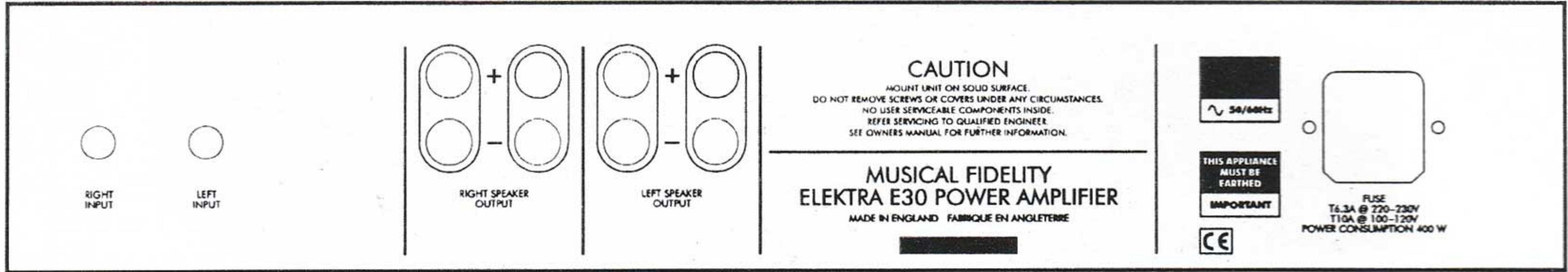
What Hi-fi

“Great stuff, and **great value for money.**”

Hi-Fi News & Record Review

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E30 Power Amplifier

Features	Benefits
Low distortion and low feedback circuitry	<i>Increased sound quality and improved stability</i>
Single PCB with star earth system	<i>Maximises the performance potential of an already advanced circuit</i>
High stability margins	<i>Will drive a wide range of speakers without problems and will have a consistent sound across a wide range of loadings</i>
Two pairs of binding post outputs for each channel	<i>Allows easy bi-wiring</i>
High power output (100W/ch) from Class A/B MOSFET output stage	<i>The E30 remains unstrained and in control even when accurately recreating large scale orchestral pieces or high energy rock music</i>
Gold plated phono and loudspeaker sockets	<i>Do not tarnish and maintains good contact</i>

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E50 Tuner

Tuning range	87.50 MHz - 108.00 MHz 50 kHz steps
Usable sensitivity	mono - 13.5 dBf
50dB quieting sensitivity	mono - 19.9 dBf
	stereo - 42 dBf
Alternate channel selectivity	55dB \pm 400 kHz
Image rejection	60dB approx
IF frequency	10.7 MHz
IF rejection	80dB
Antenna impedance	75 Ohms
THD	0.5% @ 75 kHz deviation
Stereo separation	> 45dB
S/N ratio	mono > -78dB
	stereo > -70dB
Output	1.4 Volts/1K output impedance
Power consumption	10 watts
Dimensions	440 x 95 x 340mm (W x H x D)
	Height includes feet
Weight	5 kgs
Standard accessories	IEC type mains lead

“The performance of this tuner makes it a good match for the E10 amplifier [now replaced by E11] and well worth consideration in its own right.”

Gramophone

“The reception from many transmitters was of near studio quality.”

Luister (Holland)

“Fed with a signal from a decent roof-top aerial the E50 did everything a tuner should...**this thing is terrific with voices.**”

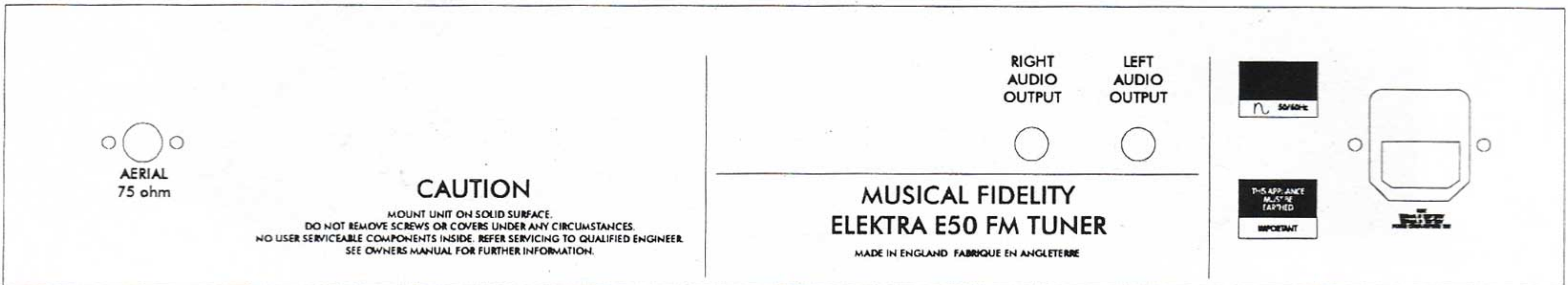
“Even A/B-ing with my treasured Sequerra didn't embarrass the E50.”

“...**the E50 is a killer.**”

Hi-Fi News & Record Review

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E50 Tuner

Features

Benefits

Standard 440mm width

Matches the majority of alternative components

Gold plated phono sockets

Do not tarnish and maintains good contact

High sensitivity and selectivity

Gives you better performance and sound from a wide range of stations

20 channel presets

More than adequate for most situations

Very high quality output stage with low output impedance

Gives both excellent and consistent sound quality with a wide range of amplifiers

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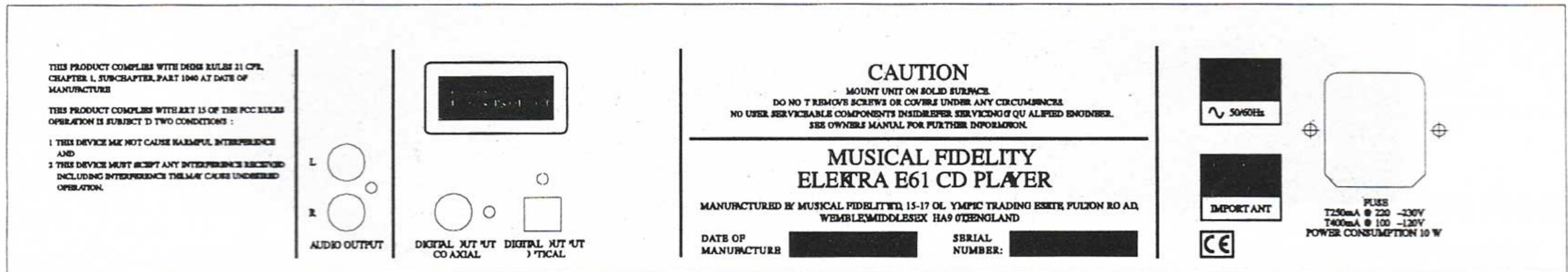


E61 CD Player

Frequency response	20 Hz - 20 kHz \pm 1dB
S/N ratio	> -105dB
Dynamic range	> 95dB (1 kHz)
Harmonic distortion	0.009% (1 kHz)
Wow and flutter	Not measurable (Quartz accuracy)
Channel separation	> 92dB (1 kHz)
Output: analog	2.0V rms
digital	0.5Vp-p/75 ohm (Coaxial)
D/A converter	8-times oversampling
Analog filter	4 pole CHV filter
Pick-up type	2D parallel objective lens drive, 3 beam laser pick-up
Laser type	GaAlAs semiconductor laser
Wavelength	760-805 nm
Power consumption	10 watts
Dimensions	440 x 95 x 340mm (W x H x D) Height includes feet
Weight	5.1 kgs
Standard accessories	Remote control handset 2 x batteries (SUM-4, AAA, R03) IEC type mains lead

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E61 CD Player

<i>Features</i>	<i>Benefits</i>
Remote control	<i>Convenient operation from the listening position</i>
Bitstream converter system	<i>Increased sound quality with smoother response and lower distortion</i>
Standard 440mm width	<i>Matches the majority of alternative components</i>
Random play function	<i>Plays back all tracks on the disc in a random order</i>
Edit function	<i>Allows easy taping of different tracks to best fit tape length</i>
32 track programming	<i>You can listen to the tracks you want in the order you prefer</i>
Optical and coaxial digital outputs	<i>Enables connection of external Digital-to-Analogue converters or digital amplifiers</i>

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A2 Class A Integrated Amplifier

The A2 follows on from our classic A1 model and is made in the same mould offering high end audiophile sound quality comparable to the most expensive amplifiers available with only a limitation on absolute power.

Power output	25 watts per channel, 8 Ω (14 dBW) 50 watts per channel, 4 Ω
THD	Typically < 0.005% at 1kHz
Frequency response	10Hz - 20kHz \pm 1dB
Inputs	MM and 5 Line
Input sensitivity	MM 3.5mV 47 k Ω Line 300mV 47 k Ω
S/N ratio	MM > -70dB 'A' weighted Line > -103dB 'A' weighted
Power consumption	180 watts
Dimensions	440 x 95 x 340mm (W x H x D) Height includes feet
Weight	10 kgs
Standard accessories	IEC type mains lead

“Musical Fidelity’s new baby has a **glow and beauty that other amps struggle to achieve.**”

“**...there is something endearingly special about this luscious sounding amplifier..**”

“What helps the A2 stand out from the crowd, however, is its warmth, gracious and refined tonality and its ability to paint sound pictures you can almost reach out and touch. The A2 is truly a chip off the old block; **a genuinely grownup design** that doesn’t need to shout for attention.”

“The A2 also operates deeper into Class A than the old model as attested to by the high heat dissipation.”

“Noise levels are significantly lower than the previous model.”

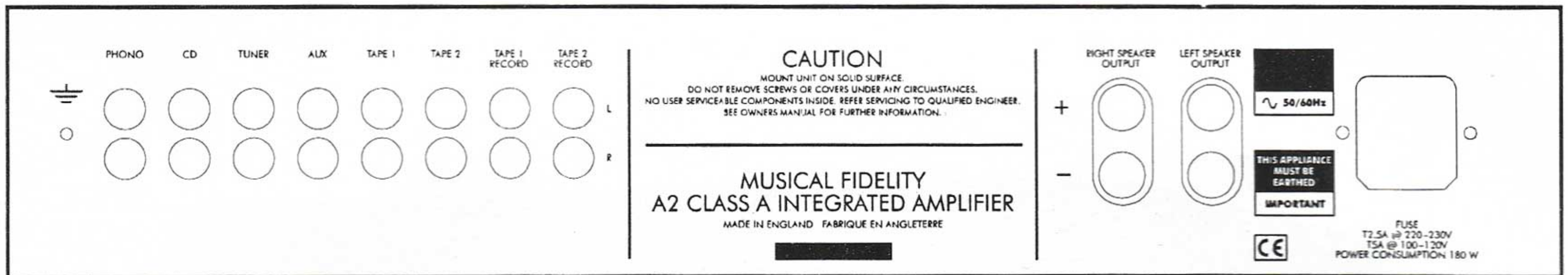
“By comparison with the A1 the extra headroom in the new output stage is plainly audibleespecially with difficult and/or low impedance loads.”

“Most Musical Fidelity amplifiers are recognisable by their full-bodied sound quality, lack of high end harshness or grain, and their generous imagingand the best of breed convey a truly physical sense of presence - and so it is here.”

Hi-Fi News and Record Review (UK)

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“..the A2 is a supremely musical tool. It makes much of good recordings and gives those less than perfect a helping hand. It is also an excellent antidote to the sterility of some amplifying machinery.”

Hi-Fi Choice - Recommended (UK)

“Sonorous, rich and deep with great detail. We compared the A2 with an expensive high-end amplifier, the difference was marginal, and that my friends, is the charm of Musical Fidelity equipment.”

Luister (Holland)

“So what’s so special about the A2? ...the sound is very special, and not at all what most people are used to hearing (suffering?) from inexpensive equipment. In a word, its tubelike .. in another word, musical - the antithesis of lean, analytical, hard, etc.”

“I find the A2’s cosmetics outstanding for the price - this amp, simple as it is, looks expensive.”

“The sound is about as smooth, sweet, full-bodied, rich, liquid as I have ever heard from a solid-state amplifier, at any price.”

Stereophile (USA)

“... massively spacious...the roar of the sax was almost threatening. I was enraptured by the A2.”

“A warm tonal sound, truly the second coming of the A1.”

Stereo Sound (Japan)

“...during listening tests the A2 had a very similar tonal quality to the A1 except that the A2 is richer and more powerful when playing very loud symphonic orchestra music. The A2 produces a very nice string and vocal tone, string music is very smooth and sweet and very tube amplifier like.”

“...in my 300 square foot listening area the A2 produced a very impressive low frequency response.”

“It is hard to believe the A2 is rated at 25W per channel, the performance would have you believe it was 100W per channel.”

“The A2 should be able to drive 90% of the speakers available in the world.”

“In my experience upgrading a long-lived classic design is not easy and I have often found that the old model is better than the new. Musical Fidelity’s A1 is a classic, but after 10 years of hard work in design Musical Fidelity has overcome all the difficulties in making a much better A1.”

“...unquestionably an unsurpassable classic that will lead Musical Fidelity into the 21st century.”

Audiophile (Hong Kong)

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A2 CD Player



Frequency response	20 Hz - 20 kHz \pm 1dB
S/N ratio	> -105dB
Dynamic range	> 95dB (1 kHz)
Harmonic distortion	0.009% (1 kHz)
Wow and flutter	Not measurable (Quartz accuracy)
Channel separation	> 92dB (1 kHz)
Output: analog	2.0V rms
digital	0.5Vp-p/75 ohm (Coaxial)
D/A converter	8-times oversampling
Analog filter	4 pole CHV filter
Pick-up type	2D parallel objective lens drive, 3 beam laser pick-up
Laser type	GaAlAs semiconductor laser
Wavelength	760-805 nm
Power consumption	10 watts
Dimensions	440 x 95 x 340mm (W x H x D) Height includes feet
Weight	5.1 kgs
Standard accessories	Remote control handset 2 x batteries (SUM-4, AAA, R03)

“the A2 CD is among the classiest looking and most elegant players in its price category.”

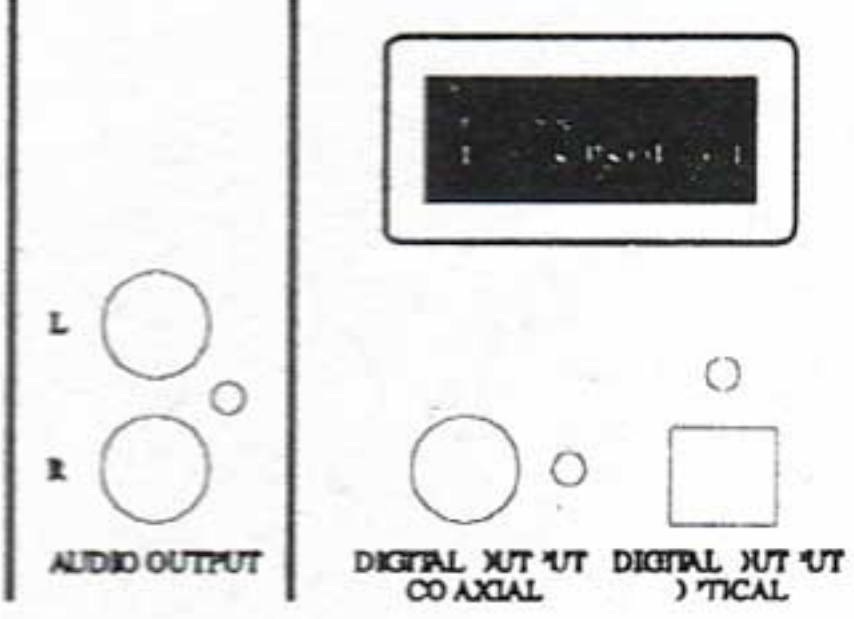
“The player has an infectious and euphonic charm, with more than adequate levels of detail.”

“One hard-bitten and well practised panellist who normally prefers to wield an acid pen even described the A2 CD as, quote, ‘actually quite inspirational’.”

Best Buy - Hi-Fi Choice

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<p>THIS PRODUCT COMPLIES WITH DIRECTIVE 89/332/EEC, CHAPTER 1, SUBCHAPTER, PART 1996 AT DATE OF MANUFACTURE</p> <p>THIS PRODUCT COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO TWO CONDITIONS:</p> <ol style="list-style-type: none">1. THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE AND2. THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRABLE OPERATION.		<p>CAUTION</p> <p>DO NOT REMOVE SCREWS OR COVER UNDER ANY CIRCUMSTANCES. NO USER SERVICEABLE COMPONENTS INSIDE. REFER SERVICE TO QUALIFIED ENGINEER. SEE OWNER'S MANUAL FOR FURTHER INFORMATION.</p> <p>MUSICAL FIDELITY A2 CD PLAYER</p> <p>MANUFACTURED BY MUSICAL FIDELITY, 15-17 OL. OLYMPIC TRADING ESTATE, FULHAM ROAD, WEMBLEY, MIDDLESEX, HA9 0TE, ENGLAND</p> <p>DATE OF MANUFACTURE: [REDACTED] SERIAL NUMBER: [REDACTED]</p>	<p>5000Hz</p> <p>IMPORTANT</p> <p>CE</p> <p>FUSE T250mA @ 250V T400mA @ 100V POWER CONSUMPTION 10 W</p>
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A2 CD Player

Features

Benefits

Selected mechanisms and printed circuit boards

Top level sonic performance and consistency

Sophisticated low jitter reclocking circuit

Greatly improved sound quality, imaging and tonality

High quality Class A low impedance output stage

High quality consistent sound with great presence and authority

Remote control

Convenient operation from the listening position

Bitstream converter system

Increased sound quality with smoother response and lower distortion

Standard 440mm width

Matches the majority of alternative components

Random play function

Plays back all tracks on the disc in a random order

Edit function

Allows easy taping of different tracks to best fit tape length

32 track programming

You can listen to the tracks you want in the order you prefer

Optical and coaxial digital outputs

Enables connection of external Digital-to-Analogue converters or digital amplifiers

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A220 Class A Integrated Amplifier

The A220 is a new development of the A2 concept with a higher power output giving increased dynamic and drive abilities.

Power output	50 watts per channel, 8 Ω (17 dBW) 100 watts per channel, 4 Ω
THD	< 0.01% at 1kHz
Frequency response	10Hz - 20kHz \pm 1dB
Inputs	MM Phono, 5 Line
Input sensitivity MM phono	3.5mV 47 k Ω
Input sensitivity line inputs	300mV 47 k Ω
S/N ratio line inputs	> -77dB unweighted > -88dB 'A' weighted
S/N ratio MM phono	> -65dB unweighted > -73dB 'A' weighted
Power consumption	350 watts
Dimensions	440 x 120 x 360mm (W x H x D) Height includes feet, depth includes terminals
Weight	12 kgs
Standard accessories	IEC type mains lead

“...there is no doubt about the visual unity or flair of the design, or the exemplary standard of fit and finish. There is minute attention to detail, such as the complete elimination of fixing screws when viewed from normal angles, and the use of self-indicating LED markers in the rotary controls.”

“...this is an excellent product with bags of civilised power and authority...”

“Highly recommended.”

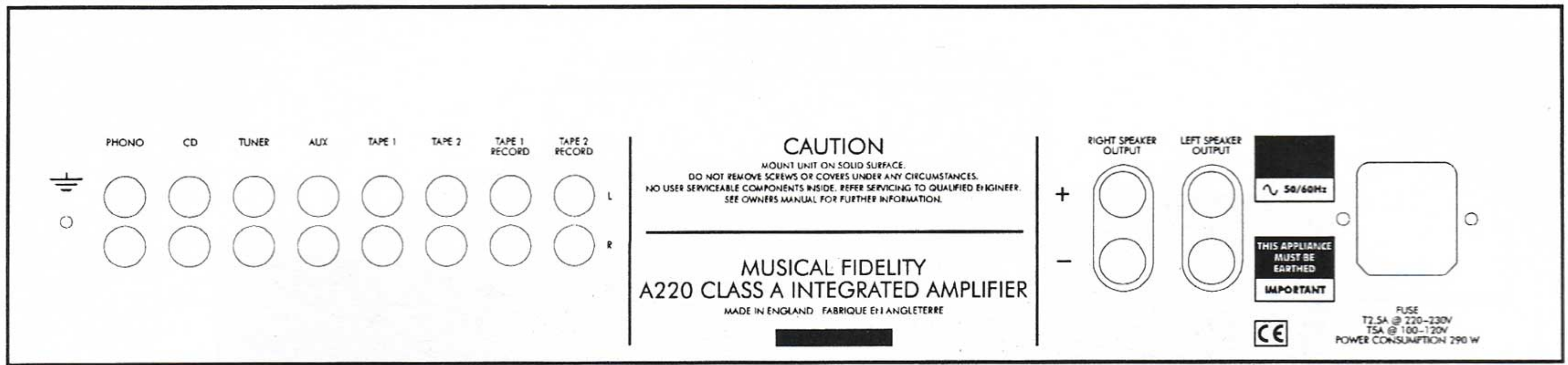
Hifi-Choice

“The A220 is musically convincing from the first notes. Its sound has authority and mass. The tonal balance is perfect, soft as silk highs with solid controlled bass. The sound stage is especially perfect. Voices stay at their right size, exactly placed.”

Hi-Fi & Video Test (Japan)

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A220 Class A Integrated Amplifier

<i>Features</i>	<i>Benefits</i>
Class A output stage	<i>This gives the highest quality sound available</i>
Two pairs of output transistors per channel	<i>Excellent load driving characteristics, consistent performance with a wide range of loudspeakers, high reliability</i>
Sophisticated fully symmetrical circuit	<i>Ensures the music is amplified perfectly under all circumstances</i>
Massive stability margins	<i>The A220 is stable into any load whether capacitive, inductive or resistive. You can depend on the A220 to faithfully reproduce any signal into any loudspeaker</i>
High current delivery	<i>The A220 is rated at 50 watts into 8 ohms and will comfortably deliver 100 watts into 4 ohms</i>
Very large heatsink	<i>Allows Class A operation without excessive heat</i>
Sophisticated printed circuit board layout with great attention paid to earthing and supply eddy currents	<i>Absolutely consistent sound, stability, reliability and longevity. It also means rock solid imaging</i>

“The A220 does so much right - especially in its sweetly engaging musicality - that I can heartily recommend it.”

Fi Magazine

“The A220 paints a generously-proportioned acoustic space, with plenty of depth and width, and a palpable sense of presence.”

“One area where the A220 is particularly impressive, I would suggest, is in its lack of artifice. It is completely lacking in grain or glare, and the music flows with all the organic grace and naturalness of a mountain stream, and with much of the freshness this implies.”

Hi-Fi News and Record Review

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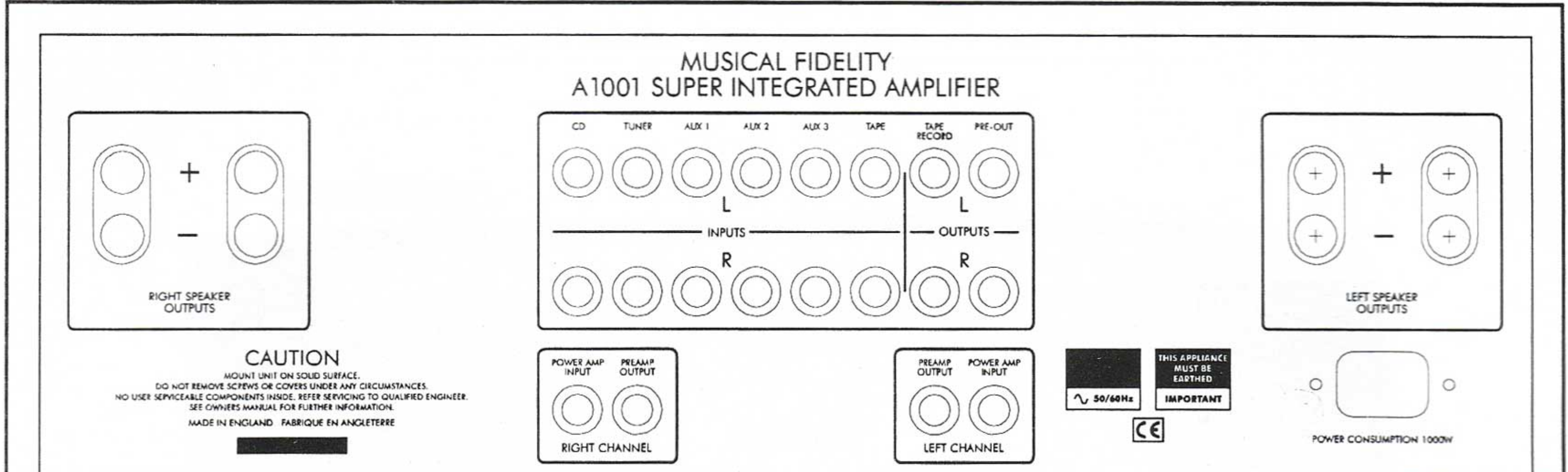


A1001 Class A Super Integrated Amplifier

Power output	200 watts per channel, 8 Ω (23 dBW) 400 watts per channel, 4 Ω
Frequency response	10 Hz - 30kHz \pm 1dB
THD	< 0.06% 20Hz - 20kHz to full rated power < 0.003% 1kHz to full rated power
S/N ratio	> -91dB unweighted > -96dB 'A' weighted
Channel separation	typically > -70dB
Inputs	6 Line
Input sensitivity	300mV
Power consumption	1000 watts (maximum)
Dimensions	475 x 164 x 540mm (W x H x D) Height includes feet, depth includes terminals and volume knob
Weight	30 kgs
Standard accessories	IEC type mains lead Remote control handset 2 x batteries (AA, SUM-3, CR6)

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A1001 Class A Super Integrated Amplifier

Features

Benefits

High bias Class A/B operation

Gives the best sound quality due to constant current operation and reduced power supply noise modulation

Structured as completely separate preamp and dual monobloc power amplifiers in a single box

Provides the best of both worlds with the advantages of separated components but with perfect interconnection between them and without the need for potentially sound degrading interconnect cables

Three separate fully magnetically shielded mains transformers

Pre and Power amps all have their own supplies for reduced intermodulation giving solid imaging and a palpable bass response

Preamp and power amp sections are connected by removable links on the back panel

Allows the easy insertion of surround sound processors etc.

Additional second preamp output

Extra flexibility for use with surround sound systems, bi-amping or multi-room etc.

Fully discrete preamp design utilising high current pre-driver transistors

Pure Class A preamp circuit for very low distortion and the smooth, open sound characteristic of this type of operation

Full remote control

Armchair convenience

High power, high current output stage using 5 pairs of output transistors per channel

200 watts per channel (400 watts per channel into 4 ohms) with massive peak current capability gives the A1001 the ability to drive any speaker with ease and ensures exceptionally low distortion under transient or dynamic conditions

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F16 Bi-Mode Power Amplifier

Output power	Class A mode - 50 watts, 8Ω (17 dBW) High Power mode - 200 watts, 8Ω (23 dBW)
THD	< 0.05%
S/N ratio	> -92dB
Frequency response	20Hz - 20kHz ± 1dB
Input sensitivity	775 mV
Power consumption	Class A mode - 300 watts High Power mode - 700 watts
Dimensions	482 x 188 x 380 mm (W x H x D) Height includes feet
Weight	29 kgs
Standard accessories	IEC type mains lead

“Crank this combo [F16/F25] and it creates enough low-end welly to lay waste the living room, dismantle the double glazing and leave you whimpering behind the sofa like a whipped dog. Whether its Wagner’s *Ride of the Valkyries* on vinyl or Underworld’s *Born Slippy* on CD, kettle drums kick your chest in and basslines rattle your bones.”

“Yet **the control here is awesome**, and the scale and separation stun. From growling orchestral basses to subterranean synth lines, tones and timbres are tremendous, the amps revealing textures you never knew were there.”

“...if you’ve a deepish drawer of dosh and like dynamics delivered deadpan with plenty of poker faced power, then **the Musical Fidelity is F’in marvellous.**”

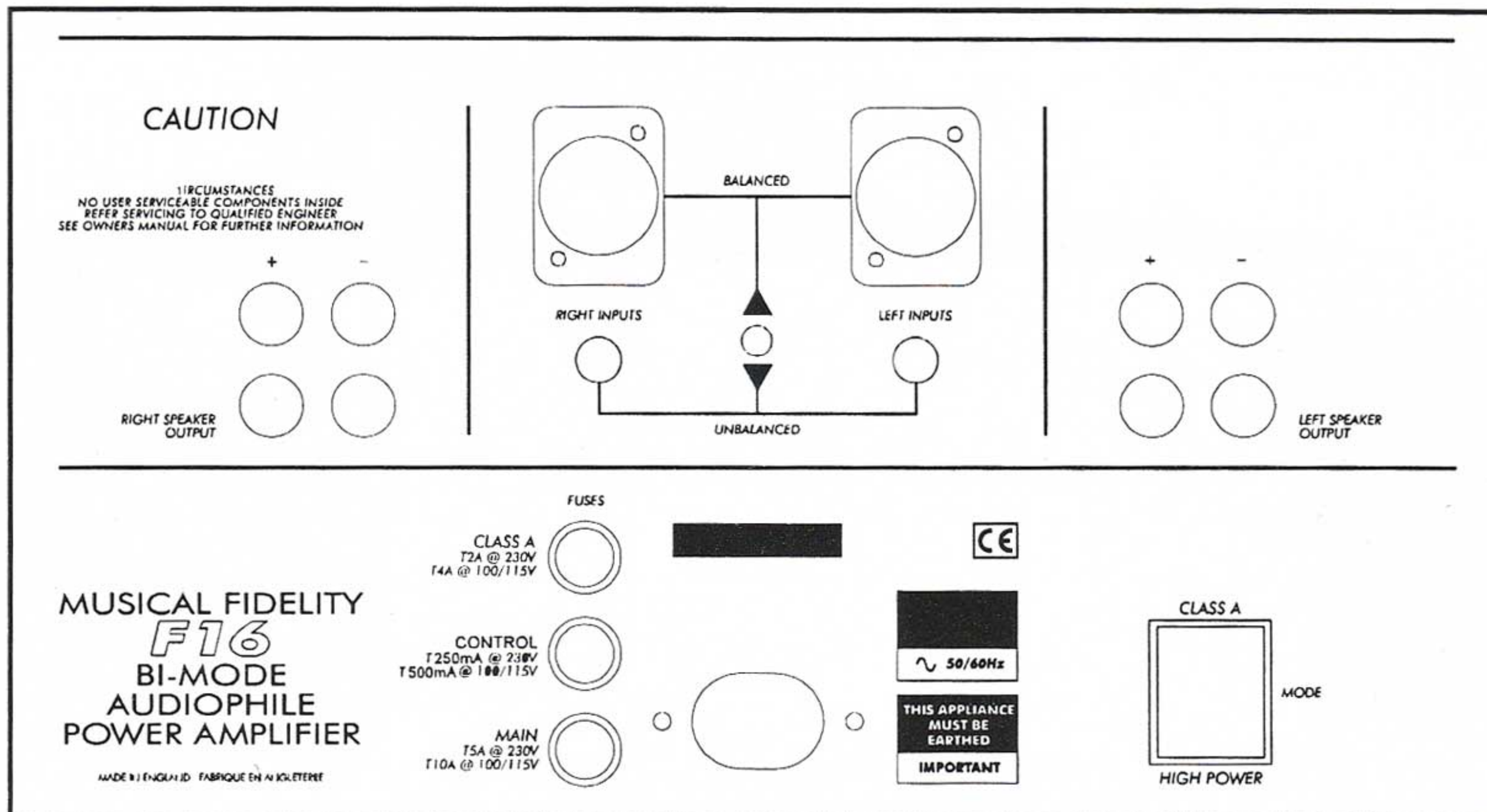
What Hi-fi

“...while the combination isn’t cheap [F16/F25], it does represent real value for money.”

Hi-Fi News and Record Review

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F16 Bi-Mode Power Amplifier

Features

Benefits

Unique Bi-Mode operation

Allows user to choose Pure Class A operation (sweet valve-like sound quality) or High Power operation (massive headroom and drive ability)

Low feedback circuit with very large stability margins

Increased sound quality and excellent control and drive

Gold plated phono and loudspeaker sockets

Do not tarnish and will maintain good contact

Two pairs of loudspeaker binding posts per channel

Allows easy bi-wiring

4 pairs of MOSFET output devices per channel

High current design allows easy driving of even "difficult" loudspeaker loads coupled with tremendous authority and weight to the bass response

Separate power supplies for the Bi-Mode control circuitry and the amplifiers themselves

The Bi-Mode control circuit is powered from its own transformer and supply to entirely separate the audio and control circuits

Sophisticated extended star earthing system

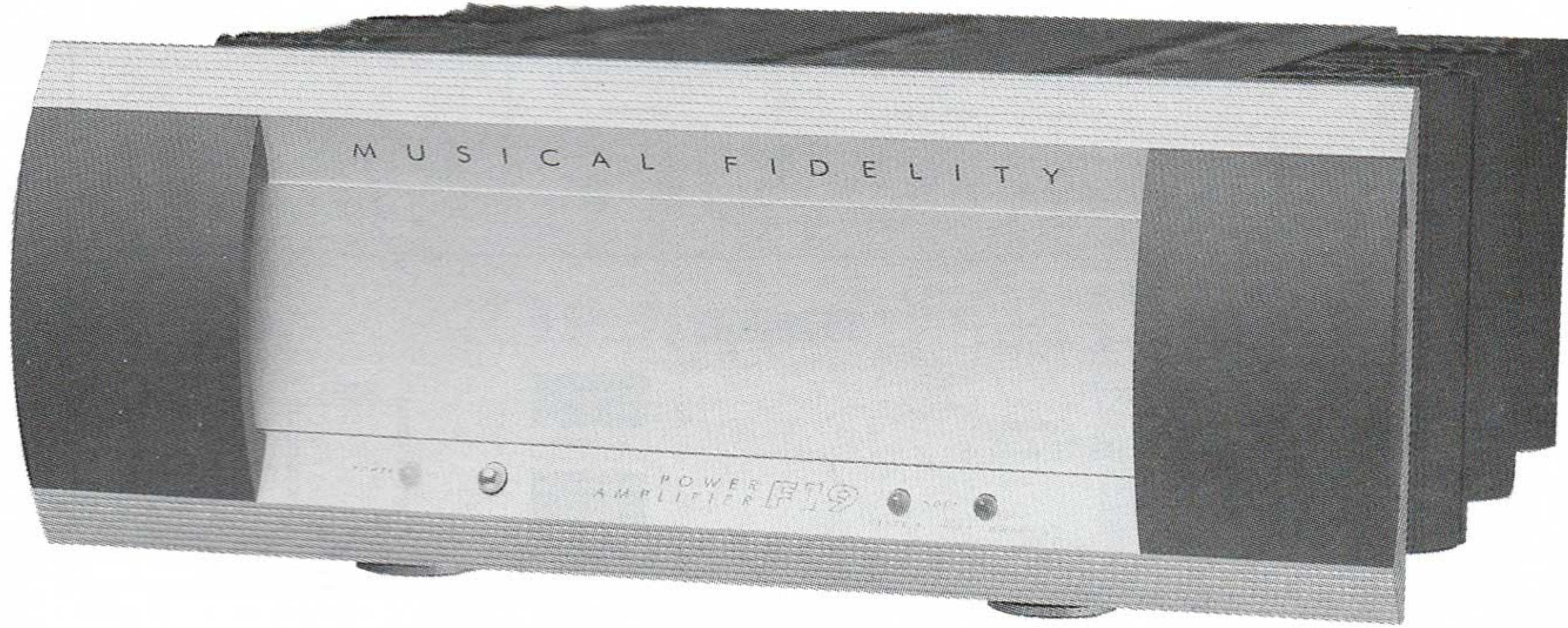
All power supply earth and signal earth currents have separate paths giving very low noise and distortion

Balanced XLR input option

Makes a better electrical connection than standard phono connectors, plus minimises noise pickup on long cable runs

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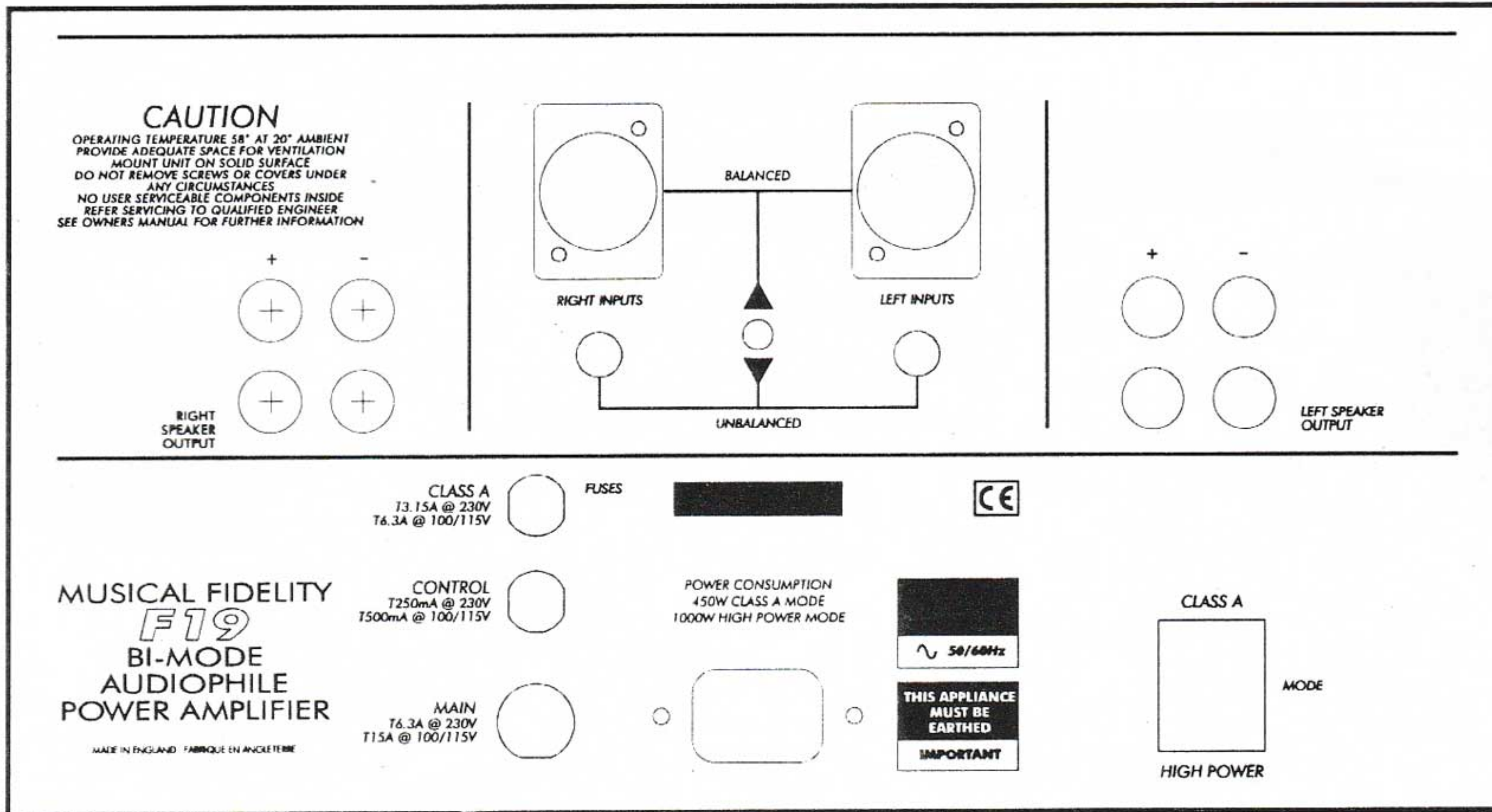


F19 Bi-Mode Power Amplifier

Output power	Class A mode - 75 watts, 8 Ω (19 dBW) High Power mode - 300 watts, 8 Ω (25 dBW)
THD	< 0.05%
S/N ratio	> -92dB
Frequency response	20Hz - 20kHz \pm 1dB
Input sensitivity	775 mV
Power consumption	Class A mode - 450 watts High Power mode - 1000 watts
Dimensions	482 x 188 x 510 mm (W x H x D) Height includes feet
Weight	43 kgs
Standard accessories	IEC type mains lead

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F19 Bi-Mode Power Amplifier

Features

Unique Bi-Mode operation

Low feedback circuit with very large stability margins

Gold plated phono and loudspeaker sockets

Two pairs of loudspeaker binding posts per channel

4 pairs of MOSFET output devices per channel

Separate power supplies for the Bi-Mode control circuitry and the amplifiers themselves

Sophisticated extended star earthing system

Balanced XLR input option

Benefits

Allows user to choose Pure Class A operation (sweet valve-like sound quality) or High Power operation (massive headroom and drive ability)

Increased sound quality and excellent control and drive

Do not tarnish and will maintain good contact

Allow easy bi-wiring

High current design allows easy driving of even "difficult" loudspeaker loads coupled with tremendous authority and weight to the bass response

The Bi-Mode control circuit is powered from its own transformer and supply to entirely separate the audio and control circuits

All power supply earth and signal earth currents have separate paths giving very low noise and distortion

Makes a better electrical connection than standard phono connectors, plus minimises noise pickup on long cable runs

MUSICAL FIDELITY

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F25 Pre Amplifier

Inputs	4 Line, Tape, Phono (MM/MC)	
THD	< 0.01%	
Frequency response	20Hz - 20kHz \pm 1dB	
Input sensitivity Line	200mV	
	Phono	MM 3mV, MC 300 μ V
S/N ratio	Line	> -85dB
	Phono MM	> -75dB
	Phono MC	> -60dB
Tape output	Dependent on input level	
Power consumption	10 watts	
Dimensions	480 x 120 x 340mm (W x H x D)	
	Height includes feet	
Weight	7.5 kgs	
Standard accessories	Remote control unit	
	2 x batteries (SUM-4, AA, R03)	
	IEC type mains lead	

“Crank this combo [F16/F25] and it creates enough low-end welly to lay waste the living room, dismantle the double glazing and leave you whimpering behind the sofa like a whipped dog. Whether its Wagner’s *Ride of the Valkyries* on vinyl or Underworld’s *Born Slippy* on CD, kettle drums kick your chest in and basslines rattle your bones.”

“Yet **the control here is awesome**, and the scale and separation stun. From growling orchestral basses to subterranean synth lines, tones and timbres are tremendous, the amps revealing textures you never knew were there.”

“...if you’ve a deepish drawer of dosh and like dynamics delivered deadpan with plenty of poker faced power, then **the Musical Fidelity is F’in marvellous.**”

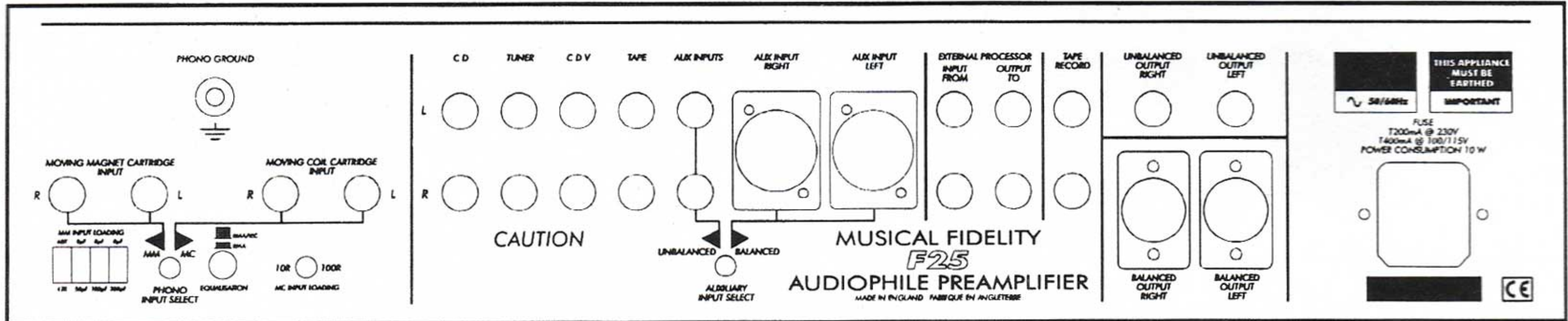
What Hi-fi

“...while the combination isn’t cheap [F16/F25], it does represent real value for money.”

Hi-Fi News and Record Review

MUSICAL FIDELITY

When music matters most



F25 Pre Amplifier

Features

- Full remote control via infra red handset**
- Balanced or single ended output**
- Very high quality phono stage with switchable input impedance**
- Switchable RIAA/IEC curves for phono input**
- High quality Tiffany type gold phono connectors**
- External processor loop**
- Low feedback Class A circuitry**
- Switchable balanced input**

Benefits

- Allows simple control of volume and selection from listening position*
- Allows selection of optimal cable for set-up. Balanced operation improves signal quality over long cable runs*
- Allows use of MM or MC cartridges with switchable resistive and capacitive loading to allow perfect matching to your cartridge*
- Allows choice of original RIAA curve or more recent IEC amendment to tailor the bass response to suit your system*
- Highest sound quality with excellent mechanical contact*
- Allows use of processors such as surround sound units without using up the tape loop or degrading the signal with unnecessary switching*
- Highest possible sound quality as you would expect from the F-series flagship*
- The auxiliary input can be balanced or single-ended for use with high end sources with true balanced outputs*

MUSICAL FIDELITY

When music matters most



FCD CD Player

Frequency response	1Hz - 20kHz \pm 1dB
S/N ratio	> -90dB (1 kHz)
Dynamic range	> -98dB (1 kHz)
Harmonic distortion	< 0.05% (1 kHz)
Wow and flutter	Not measurable (Quartz accuracy)
Channel separation	> 102dB (1 kHz)
Output: analog	1.65V rms
digital	0.5Vp-p/75 ohm (Coaxial)
D/A converter	Bitstream conversion
Digital filter	8-times oversampling, 20-bit digital filter
Analog filter	3rd order Butterworth filter
Analog output	Valve Class A triode
Pick-up type	2D parallel objective lens drive, 3 beam GaAlAs semiconductor laser
Wavelength	780nm
Power consumption	20 watts
Dimensions	482 x 118 x 330mm (W x H x D) Height includes feet
Weight	8.5 kgs
Standard accessories	Remote control unit, Batteries (2 x SUM-4, AAA, R03)

WHAT HI-FI? ★★★★★

"Musical Fidelity's latest CD player is **an absolute gem.**"

"Even from cold the player gives the impression that its a big and powerful-sounding machine with oodles of musical expression and life, but once warm, the sound grows to quite a stunning stature, brimming over with presence and authority."

"You can't help but admire the FCD's sheer unpretentiousness and ability to wring real emotion from whatever is playing."

"No matter what kind of music this player is fed with...the results are consistently involving."

"With all kinds of rock and pop the FCD delivers the drive and transient timing necessary to keep abreast of the music."

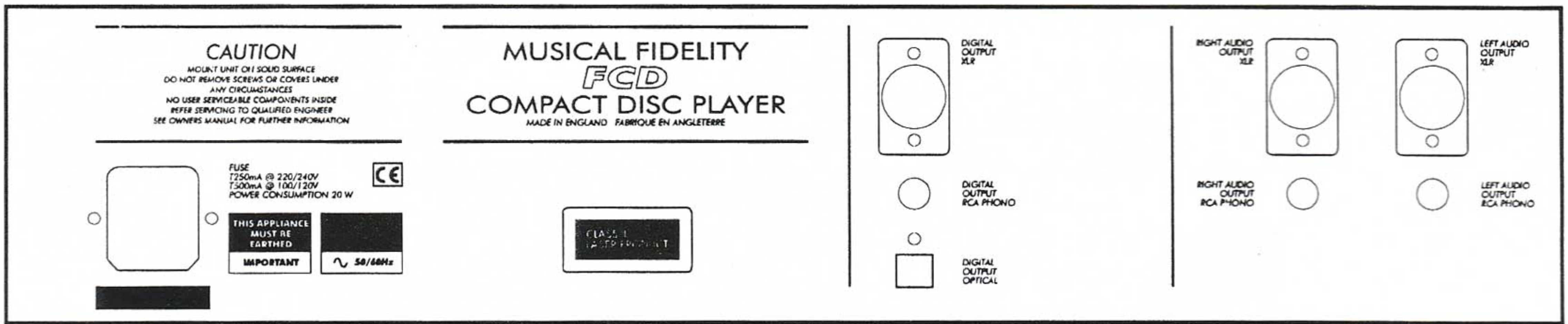
"Its bass is as lean, tight and plentiful as it is clean and convincingly weighty."

"Even tricky classical and jazz recordings receive the same attention to detail and the sort of **emotional involvement that'll keep you listening for hours.**"

What Hi-fi

MUSICAL FIDELITY

When music matters most



FCD CD Player

Features

Benefits

Remote control

Convenient operation from listening position, including output level

Bitstream converter system

Increased sound quality with smoother response and lower distortion

20 bit digital filter

High linearity and low distortion

Gold plated phono sockets

Do not tarnish and will maintain good contact

20 track programming

You can listen to the tracks you want in the order you prefer

Optical and coaxial digital outputs

Enables connection of external Digital-to-Analogue converters or digital amplifiers

Class A valve triode output stage

Adds the inherent benefits of Class A and valves to the digital format

XLR output option

Makes a better electrical connection than standard phono connectors

"Musical Fidelity's recent digital products seem to have been building up to the FCD, which just about has it all."

Hi-Fi News & Record Review

MUSICAL FIDELITY

When music matters most

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All Musical Fidelity units are fully CE compliant

Musical Fidelity reserves the right to make improvements which may result in specification or feature changes without notice. This brochure contains some advance product information. Features and specifications of actual units may vary.