



## M3si Integrated Amplifier

High Performance Integrated Amplifier

The M3si integrated amplifier produces high quality sound, has an extensive range of useful inputs and offers high reliability, compact size and a fair price. With its strong 85 watts per channel, the M3si will drive a huge variety of appropriate loudspeakers. It has inputs for phono (MM), 4 line inputs and USB 'B' up to 24bit 96 kHz.

The M3si's sound is effortless, clear and sweet. It projects wide and deep images and has plenty of power to deliver excellent dynamic range.

The M3si is unconditionally stable and will drive any appropriate loudspeaker with ease.

Although it is Musical Fidelity's lowest price amplifier, it embodies our hallmark values of uncoloured, stress-free sound, outstanding technical performance and great value for money.

### M3si In Brief

- 85WPC
- Excellent technical performance
- Preamp output
- Unconditional stability, will drive any loudspeaker
- Wide range of useful inputs including asynchronous USB and MM phono
- Excellent build quality and convenient size

# MUSICAL FIDELITY



M3si INTEGRATED AMPLIFIER

## SPECIFICATION

### Amplifier

Power output: 85 Watts per channel into 8 Ohms  
THD(+ noise): <0.014 % typical, 20Hz to 20 kHz  
Signal to Noise Ratio: >98dB 'A'-weighted  
Frequency Response: +0, -0.1dB, 10Hz to 20 kHz

### Inputs

4x Line Level RCA / Phono  
1x USB type 'B' connector - Asynchronous  
data stream at up to 24-bit/96kHz  
1x MM Phono input

### Phono Input

Sensitivity (nominal): 3mV (suitable for cartridges  
giving 1.5mV or more including high output  
MC types)  
Signal / noise ratio: >70dB 'A'-weighted  
Input impedance: 50k Ohms  
Frequency response: RIAA/IEC  $\pm$ 1dB, 20Hz to 20 kHz

### General

Dimensions - WxHxD (mm): 440 x 100 x 400  
Weight (unpacked / packed): 9.2 kg/ 13 kg



## M3scd CD Player

High Performance CD Player

**The M3scd has been designed to give outstanding CD reproduction and to be a digital hub.**

In addition to CD it has 3 digital inputs: coax, optical and asynchronous USB. This makes it particularly useful for set top boxes and/or TV sound improvement. The technical performance is excellent; it has very low distortion, extremely low jitter, excellent signal-to-noise ratio, extremely flat frequency response, exemplary linearity and excellent channel separation.

All in all the M3scd gives excellent CD replay and can act as a versatile digital hub at the same time.

**M3scd In Brief**

- CD player and digital hub
- Excellent technical performance
- Very good CD readability
- Multiple digital inputs - coax, optical and asynchronous USB
- Very low jitter
- Excellent build quality and convenient size

# MUSICAL FIDELITY



M3sacd – CD PLAYER

## SPECIFICATION

### Performance

Jitter: <135 picoseconds peak to peak  
Frequency Response: 10Hz to 20 kHz -0.2dB max.  
Signal to Noise Ratio: >117dB  
THD(+ noise): <0.003% 10Hz to 20 kHz  
Linearity: <0.1dB down to -96dB  
Channel Separation: 105dB 20 Hz to 20 kHz

### Hardware

DAC:24 bit Delta-Sigma (bit stream) dual differential 8x over-sampling

### Outputs

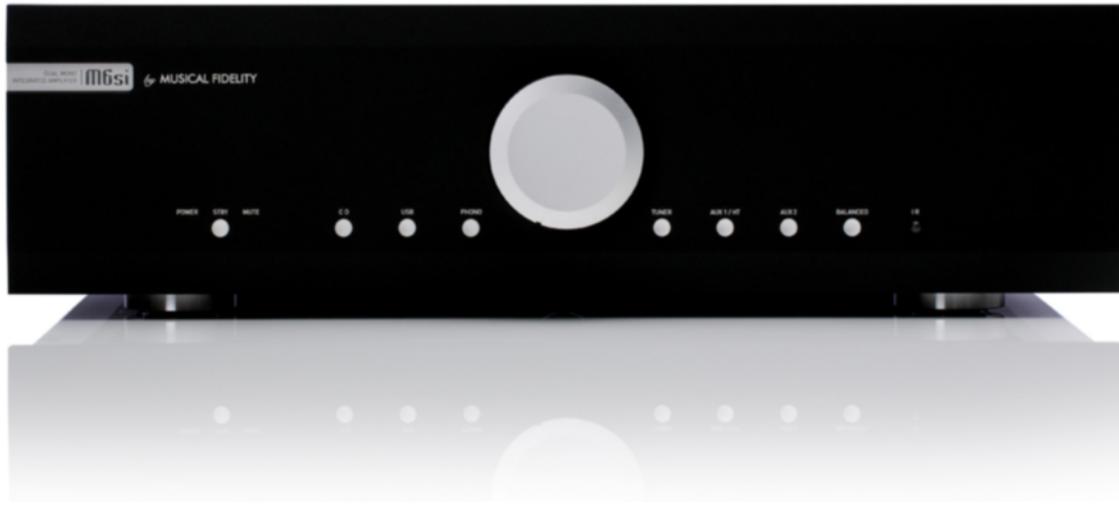
1x line level RCA  
1x RCA coaxial connector (Digital SPDIF)  
1x Toslink optical connector (Digital SPDIF)  
1x Trigger output - 3.5mm (1/8") mono jack +12V DC

### Inputs

1x RCA coaxial connector SPDIF 32-192 kbps (16-24 bit stereo PCM)  
1x TOSLINK optical connector 32-96 kbps (16-24 bit stereo PCM)  
1x USB type 'B' connector - Asynchronous data stream at up to 24-bit/96kHz  
Trigger in

### General

Dimensions - WxHxD (mm): 440 x 100 x 380  
Weight (unpacked / packed): 6.05 kg / 9.9 kg



## M6si Integrated Amplifier

Audiophile Grade Stereo Integrated Amplifier

**At Musical Fidelity we think of the M6si as being a destination product. The M6si offers such excellent performance, facilities and power that unless you are seeking the most exotic high-end sound quality you would never need another amplifier. We believe it's that good.**

Internally, the M6si is configured as 2 independent monobloc power amps with a separate pre amp. It is, in fact, a pre amp with 2 monobloc power amps that just happen to share the same casework.

The M6si has 220wpc. It has very low distortion, outstanding noise ratio and extremely flat frequency response. Its inputs are phono (MM/MC), 4 line level, 1 balanced XLR and 1 USB 'B' up to 24bit 96kHz asynchronous.

The M6 combination of high power, high current and extraordinary stability means that it can drive any loudspeaker with ease.

In use it is hard to hear any practical difference between the M6si and other much more expensive amplifiers. In proper blind listening comparisons, the M6si performs incredibly well. If we sound rather enthusiastic it's because we are.

We love the M6si and hope that you do too.

### M6si In Brief

- 220WPC
- Excellent technical performance
- Amazing load driving ability, unconditional stability will drive any loudspeaker
- Wide range of useful inputs including asynchronous USB and switchable MM / MC Phono
- Preamp output
- Internally it is a separate preamp with two independent monobloc power amps; effectively a separates system in a box
- Excellent, hunky build quality

# MUSICAL FIDELITY



M6si INTEGRATED AMPLIFIER

## SPECIFICATION

### Amplifier

Power output: 220 Watts per channel into 8 Ohms  
THD (+ noise): <0.007 % typical 20Hz - 20 kHz  
Signal to Noise Ratio: >107dB 'A' - weighted  
Frequency Response: +0, -0.1dB, 10Hz to 20 kHz

### Inputs

4x Line Level RCA  
1x Line Level XLR Balanced  
1x USB type 'B' connector - asynchronous  
data stream at up to 24-bit/96kHz  
1 x switchable phono input  
Trigger in

### Phono Input

Sensitivity: 3mV nominal (MM), 0.4mV nominal (MC)  
Signal / noise ratio: >84dB 'A'-weighted  
Input impedance: 47k Ohms (MM and MC)  
Frequency response: RIAA/IEC  $\pm 0.5$ dB 20Hz-20kHz

### Outputs

Trigger out

### General

Dimensions - WxHxD (mm): 440 x 125 x 400  
Weight (unpacked / packed): 16.6 kg/ 21.3 kg

## MUSICAL FIDELITY



# M6scd CD Player

Audiophile Grade CD Player

**The M6scd is a superb performer. It uses a 32 bit DAC with 192 kHz up-sampling and delivers outstanding technical and musical performance. It also has a range of digital inputs: 2 x coax, 2 x optical and asynchronous USB. This makes it particularly useful for set top boxes and/or TV sound improvement.**

The M6scd is a top notch CD player and digital hub in one beautifully engineered box.

#### M6scd In Brief

- CD player and digital hub
- Excellent technical performance
- Great CD readability
- Multiple digital inputs – 2 x coax, 2 x optical, and asynchronous USB
- Very low jitter
- Excellent, hunky build quality

# MUSICAL FIDELITY



M6sCD CD PLAYER

## SPECIFICATION

### Performance

Jitter: <135 picoseconds peak to peak  
Frequency Response: 10Hz to 20 kHz -0.2dB max.  
Signal to Noise Ratio: >117dB  
THD(+ noise): <0.003% 10Hz to 20 kHz  
Linearity: <0.1dB down to -96dB  
Channel Separation: 105dB 20 Hz to 20 kHz

### Hardware

DAC: 32 bit Delta-Sigma (bit stream) dual differential 8x over-sampling

### Outputs

1x line level RCA  
1x line level Balanced XLR  
1x RCA coaxial connector (Digital SPDIF)  
1x Toslink optical connector (Digital SPDIF)  
Trigger out

### Inputs

2x RCA coaxial connector SPDIF 32-192 kbps (16-24 bit stereo PCM)  
2x TOSLINK optical connector 32-96 kbps (16-24 bit stereo PCM)  
1x USB type 'B' connector - Asynchronous data stream at up to 24-bit/96kHz  
Trigger in

### General

Dimensions - WxHxD (mm): 440 x 125 x 385  
Weight (unpacked / packed): 11.2 kg / 15.5 kg





## M6500i Integrated Amplifier

Audiophile Grade Stereo Integrated Amplifier

**The M6500i is a very high performance, high powered super integrated amplifier. Twenty-five years ago, the Musical Fidelity A1000 started the complete super integrated amplifier genre. Over the last two and half decades we have continued to refine our original concept.**

The M6500i offers a comfortable 500 watts per channel, incredible load driving ability, outstanding technical performance and solidly engineered build quality. This remarkable integrated amp will drive any loudspeaker virtually

perfectly and to its maximum potential.

It has five inputs: 4 x line and 1 x balanced XLR.

Listening to the M6500i is a sensuous experience. It produces an effortless, silky sound with huge dynamics. The sound stage is broad and deep. Even if you aren't in the market for an amplifier at this level, you should listen to it to better understand why it is generating such enthusiasm.

### M6500i In Brief

- 500WPC
- Fantastic technical performance
- Amazing load driving ability, will drive any loudspeaker with ease
- Five inputs - Balanced XLR, CD, Tuner, Aux / HT, Tape
- Preamp and fixed line outputs
- Home Theatre bypass
- Internally it is a separate preamp with two independent monobloc power amps; effectively a separates system in a box
- Excellent, he-man build quality

# MUSICAL FIDELITY



M6500i Integrated Amplifier

## SPECIFICATION

### Amplifier

Power output: 500 Watts per channel into 8 Ohms (27dBW)  
THD(+ noise): <0.01% typical, 20Hz to 20 kHz  
Signal to Noise Ratio: >100dB 'A'-weighted  
Frequency Response: +0, -0.1dB, 10Hz to 20 kHz

### Inputs

4 x line level RCA / phono (1 with home theatre bypass)

### Outputs

1 x RCA pre out  
1 x RCA fixed out

### General

Dimensions - WxHxD (mm): 440 x 160 x 460  
Weight (unpacked / packed): 30kg/ 35kg

# MUSICAL FIDELITY



## M8 Pre-amplifier

### Ultra High Performance Balanced Pre-Amplifier

**The M8 is a pre-amplifier without limits. From its performance to its connectivity, via quality fit and finish, the M8 makes a superlative centrepiece for almost any system.**

The M8 has a wide array of inputs including a low noise MM/MC phono stage, 2 balanced inputs (1 with home theatre bypass option), 3 line inputs (one with home theatre bypass option) and a fully configured tape in/out loop.

The M8 Pre-amp has very high input overload margins. This means that it has a completely stress free sound. The outputs are very low impedance and high current so that it can drive virtually any power amp in existence through any length cable (balanced or single ended).

Technical measurements are testament to the M8's exceptional engineering: from ultra-low distortion to virtually perfect frequency response, and ultra low noise.

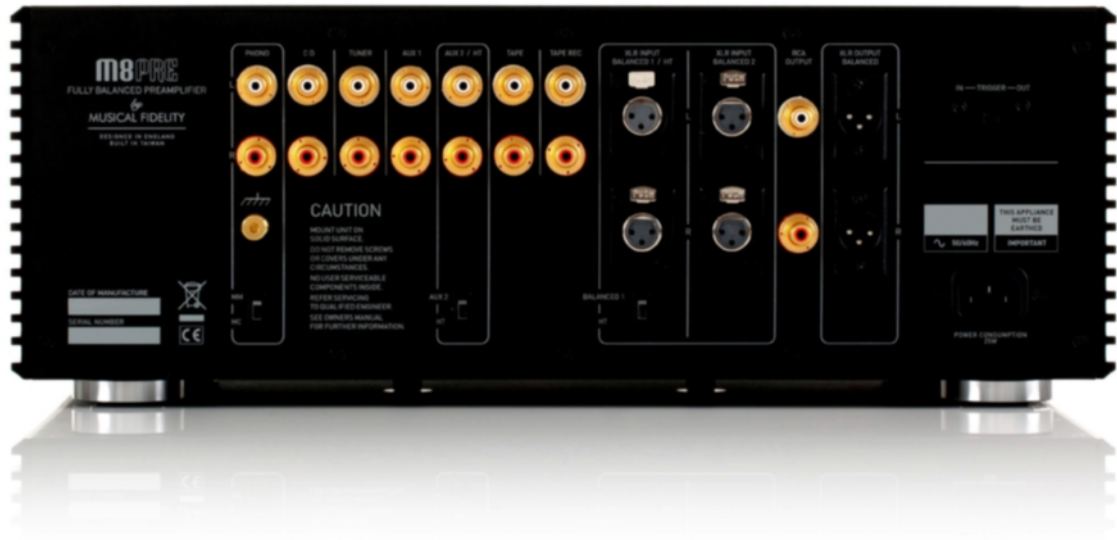
The M8's will drive any power amplifier over any length of cable. Although, obviously, it's perfect partner is a pair of M8-700m monobloc amplifiers.

Listening to the M8 Pre with the M8-700m monobloc is quite an experience. The music is reproduced with no stress, no colouration and sense of relaxation and transparency that are music to the ears and balm to the soul.

#### M8 Pre-amplifier In Brief

- Genuinely fully balanced preamp
- Eight versatile inputs – 1 XLR Balanced, switchable MM/MC Phono, CD, Tuner, Aux 1, Aux 2, Tape
- Single ended and balanced outputs as well as a fixed output for tape record
- Home theatre bypass available in both single ended and balanced inputs
- Outstanding cutting edge performance
- Amazing load driving ability, will easily drive any power amplifier with any cable of almost any length
- Excellent design, he-man build quality

# MUSICAL FIDELITY



M8 PRE-AMPLIFIER

## SPECIFICATION

### Pre-Amplifier

THD(+ noise) - single ended: <0.005%  
THD(+ noise) - XLR Balanced: <0.004%  
Signal to Noise Ratio: >118dB 'A'-weighted  
Frequency Response: +0, -1dB, 5Hz to 100 kHz

### Inputs

Inputs 2 x XLR balanced line level  
(1 with home theatre bypass)  
5 x RCA / phono line level  
(1 with home theatre bypass)  
Trigger in

### Outputs

1 x RCA pre out  
1 x XLR balanced pre out  
1 x RCA fixed out  
Trigger out

### General

Dimensions - WxHxD (mm): 440 x 162 x 400  
Weight (unpacked / packed): 17 kg / 23 kg

## MUSICAL FIDELITY



# M8-700m Monobloc Power Amplifier

Ultra High Performance High Power Monobloc Power Amplifier

**The new M8-700m monobloc power amp is fully balanced, and offers a staggering 700 watts per monobloc, with stellar sound quality and technical performance.**

The M8-700m has extremely low distortion, typically 0.001% at 1 kHz. At 20 kHz distortion is still below 0.005%. Distortion at 50 kHz (a ridiculous and unreasonable measurement, but revealing of the total amplifier performance nonetheless) is 0.02%. At 100 kHz, it is about 0.06%. These extraordinary measurements, and the extremely low high-frequency distortion, are highly significant sonically.

The noise ratio of the M8-700m is extremely low at -120 dB A-weighted.

The M8-700m has huge power reserves, producing 700 watts RMS into 8 ohms and just on 1300 watts into 4 ohms. It is an absolute powerhouse.

The power, low distortion and the extremely low noise contribute to its fabulous, effortless sound.

### Sound quality and design

The M8-700m is extremely powerful and dynamic. The sound is sweet, clear and uncoloured. Dynamics are massive and are delivered with instantaneous speed, both starting and stopping.

The M8-700m sound stage is huge, wide and deep. It creates large amounts of air and space, and is holographic in its presentation.

Similar in size and design package to the M6 500i, the M8-700m offers a compelling combination of fully balanced circuitry, extraordinary technical performance, exquisite sound, intelligent packaging and value for money makes a compelling case.

### M8-700m In Brief

- Fully balanced, monster power 700W per monobloc
- Staggering technical performance
- Huge peak current delivery
- Incredible load driving ability, will drive any loudspeaker with any cable
- Excellent design, he-man build quality

# MUSICAL FIDELITY



M8-700m MONOBLOC POWER AMPLIFIER

## SPECIFICATION

### Performance

Power output: 700 Watts per channel into 8 Ohms (28 dBW)  
THD(+ noise): <0.005% typical  
Signal to Noise Ratio: >120dB  
Frequency Response: +0, -1dB, 10Hz to 80kHz

### Inputs

2x RCA Phono Line Level  
1x Line level XLR Balanced  
1x Trigger input 3.5mm (1/8") mono jack  $\pm 4.5$  to  $\pm 15$ V DC

### General

Dimensions - WxHxD (mm): 440 x 160 x 460  
Weight (unpacked / packed): 30 kg / 35.5 kg

## MUSICAL FIDELITY



# Nu-Vista 800 Integrated Amplifier

Nu-Vista 800 is a superlative, 300 watts per channel super integrated amplifier. It is the only amplifier in the world to use Nuvistor tubes.

**Nuvistor tubes were invented in the 1950s to solve the many shortcomings of conventional tubes. Unlike them, Nuvistor tubes offer very high reliability, low microphony, low noise, consistency from batch to batch, small size, relatively low power consumption and great technical performance.**

Unfortunately just as uses for Nuvistor tubes were being explored, the transistor was invented and it was 'game over' for Nuvistors.

There the matter rested until about fifteen years ago, when Musical Fidelity created the first of its ground-breaking Nu-Vista series. These legendary, limited-edition products sold out in a matter of months. Today, fifteen years later, they command very high second-hand prices because of their beautiful sound, build quality, and longevity

**Nuvistor tubes plus SMD technology = innovation**

Never before in the history of hi-fi have Nuvistor tubes been coupled with state-of-the-art SMD technology and sophisticated modern design techniques. The Nu-Vista 800's technical performance is astonishing.

- More than 300 watts per channel with unconditional stability margins and incredible load driving ability
- Incredibly low distortion over a colossal bandwidth
- Extremely low noise
- Extremely flat frequency response

The Nu-Vista 800 measures like a dream but, more importantly, it sounds incredible. It is silky smooth with enormous transients and an effortless feel that is at once relaxing and involving. Of special note how the Nu-Vista 800 projects images between the loudspeakers so that you can almost touch them.

The new Nu-Vista 800 was a labour of love for Musical Fidelity. We are passionate about what we do and

passionate about Nuvistor tubes. Everyone at Musical Fidelity hopes that you derive as much pleasure listening to the Nu-Vista 800 as we had creating it.

### **Nu-Vista 800 In Brief**

- A work of audio art including the famed Nu-Vista value buffer stage
- Five versatile inputs - Balanced XLR, CD, Tuner, 2 x Auxiliary
- Both fixed line and variable pre outputs
- Home Theatre bypass
- 300WPC+
- Total stability margin, will drive any loudspeaker with ease
- Cutting edge technical performance with the magic of tubes
- Dual mono power amps with separate preamp
- Superb design, Heroic build quality

## MUSICAL FIDELITY



NU-VISTA 800 INTEGRATED AMPLIFIER

## SPECIFICATION

### Amplifier

- Power output: 330 Watts per channel into 8 Ohms
- THD (+ noise): <0.005 % typical 20Hz - 20 kHz
- Signal to Noise Ratio: >107dB 'A' - weighted
- Frequency Response: +0, -0.1dB, 10Hz to 30 kHz

### Inputs

- 4x Line Level RCA / Phono
- 1x Line Level XLR Balanced

### Outputs

- 1 pair line level RCA connectors, constant level Line outputs
- 1 pair line level RCA connectors, preamp outputs for e.g. bi-amping

### General

- Dimensions - WxHxD (mm): 483 x 187\* x 510
- \*212mm on included optional pointed feet
- Weight (unpacked / packed): 39 kg/ 47 kg



## MUSICAL FIDELITY



# MX-DAC Digital-to-Analogue Converter with DSD

Ultra High Performance Digital to Analogue Converter with USB

**After years of patient research and development, we are proud to launch our MX-DAC with DSD. With its technical innovation, superb technical performance and excellent build quality, the new MX DAC offers truly outstanding value for money.**

The MX-DAC is a tremendous performer. It has ultra low distortion, very wide bandwidth and low noise. The technical performance of the MX-DAC is on a par with any other DAC at any price. Jitter is about 12pps, s/n ratio is -116dB ('A' weighted), linearity is +0.2dB at -116dB, stereo separation is -104dB at 1kHz, frequency response is ruler flat and distortion is 0.00025% at 1kHz and 0.0003% at 20kHz. These technical figures are state-of-the-art and show that our implementation is almost perfect, to ensure completely neutral and accurate digital-to-analogue conversion of any digital input.

The MX DAC has inputs for: 2 x coax (up to 24bit 192 kHz PCM), 2 x optical (up to 24bit 96 kHz PCM) and asynchronous USB up to 24bit 192 kHz PCM as well as DSD 64 and DSD 128.

Also, all inputs whether from coax, optical or USB, are processed in the DSD domain. This desirable feature gives a warmth and humanity to the sound that simple digital conversion doesn't achieve.

The MX DAC has both single ended and balanced outputs.

The new MX range has beautiful aesthetics and wonderful build quality. The front panel and housing are both from exclusive custom-made extrusions using mil-spec aluminium.

### MX-DAC in brief

- Superlative state of the art performance with ultra-flat frequency response
- Able to process DSD64 and DSD128 formats as well as PCM up to 192kHz / 24bit
- Multiple digital inputs – 2 x coax, 2 x optical, and asynchronous USB
- All inputs processed and converted in DSD domain
- Very low noise
- Extremely low distortion
- Outstanding linearity
- Outstanding channel separation
- Beautiful aesthetics and build quality

# MUSICAL FIDELITY



MX-DAC Digital-to-Analogue Converter with DSD

## SPECIFICATION

### DAC Structure

Sample rate converter: SRC4392 up-sampling data to 192kHz

Digital to Analogue converter: PCM1795 32 bit / 192kHz Multi-bit Sigma-Delta type

### Performance

Output Voltage: 2 Volts RMS single-ended (RCA)

Output Voltage: 4 Volts RMS balanced (XLR)

PCM THD: <0.002%

PCM THD (+ noise): <0.003%

DSD THD: <0.003%

DSD THD (+ noise): <0.006%

PCM Frequency Response: -3dB, 2Hz to 90kHz

PCM Frequency Response: -3dB, 2Hz to 40kHz

Channel Separation: -110dB

### Capabilities

Coaxial Inputs: S/PDIF up to 24 bit / 192kHz

Optical Inputs: S/PDIF up to 24 bit / 192kHz

### Inputs

2x RCA coaxial connector SPDIF 32-192 kbps (16-24 bit stereo PCM)

2x TOSLINK optical connector 32-192 kbps (16-24 bit stereo PCM)

1x USB type 'B' connector

Asynchronous data stream at up to 24-bit/192kHz PCM as well as DSD64 and DSD128

(Determined by source file/computer settings)

### Outputs

1x line level RCA (single-ended)

1x XLR Male sockets (balanced) to EIA RS-297-A

### General

Dimensions - WxHxD (mm): 220 x 53 x 215

Weight (unpacked / packed): 1.9Kg / 2.4Kg

Power Consumption: <0.25 Watts standby, <1 Watt max.

### Supplied Accessories

1x 5v / 2A DC power supply (90-250VAC universal worldwide supply)

Windows driver CD

User manual

## MUSICAL FIDELITY



# MX-HPA Balanced Headphone Amplifier

Ultra High Performance Headphone Amplifier

**Years of experience in making high quality headphone amps have been distilled into the design of the MX-HPA. As a result, this fully-balanced headphone amp offers an awe-inspiring listening experience.**

The MX-HPA's technical performance is stunning. Typically, distortion from 20 Hz to 40 kHz is less than 0.005%. Signal-to-noise ratio is better than 120dB ('A' weighted). Frequency response is ruler flat from 10 Hz to 20 kHz (-0.1dB).

The MX-HPA is capable of a short-term peak of 10 watts (for one cycle) and has two gain positions: 18dB (8X) and 24dB (15X). Inputs are either balanced or single-ended. The MX-HPA will automatically convert single-ended inputs to balanced. The MX-HPA is genuinely fully balanced from beginning to end.

### MX-HPA In Brief

- Fully balanced, studio design, purist headphone amplifier
- Incredible technical performance
- Will drive any headphone with ease
- Wide bandwidth: 10Hz-40kHz at +0, -3dB
- Very low noise
- Very low distortion: < 0.003%, 20Hz to 20kHz
- Outstanding channel separation
- Powerful, muscular, output into 32 ohms
- Beautiful aesthetics and build quality

# MUSICAL FIDELITY



MX-HPA BALANCED HEADPHONE AMPLIFIER

## SPECIFICATION

### Output

Power 1.8 Watts per channel into 8 Ohms (27dBW)  
Maximum output voltage 19 Volts RMS, 20Hz to 20 kHz  
Onset of clipping (54 Volts peak-to-peak) balanced

### Line input

THD+N >0.005% typical, 20Hz to 20 kHz  
Signal / noise ratio >120dB 'A'-weighted  
Input impedance 50k Ohms  
Frequency response +0, -0.1dB, 10Hz to 20 kHz  
Gain, LO position (volume max) 18dB (8x)  
Gain, HI position (volume max) 24dB (15x)

### Connections

Line level inputs  
1 pair line level XLR (balanced) connectors  
1 pairs line level RCA connectors  
Headphone outputs  
1 pair 3-pin XLR/1/4" stereo Jack combined sockets

### Power requirement

Mains voltages 90-250VAC 50-60Hz universal worldwide supply  
Consumption >0.25 Watts standby (Orange LED lit)  
15 Watts maximum (Blue LED lit, full power output)

### General

Dimensions - WxHxD (mm): 220 (8<sup>2</sup>/<sub>3</sub>" ) x 53 (2") x 240 mm (9<sup>1</sup>/<sub>2</sub>" )  
Weight (unpacked / packed): 2.2 kg (5 lbs) / 3.7 kg (8<sup>1</sup>/<sub>4</sub> lbs)

## MUSICAL FIDELITY



# V90-DAC Digital to Analogue Converter

High Performance Digital to Analogue Converter with USB

**Our aim with the V90-DAC was, on balance, to make the best DAC in the world without breaking the bank.**

Examine any high-end DAC, and the first thing you see is massive casework. As far as we are aware, this contributes nothing to its technical or sonic performance. Take the top off, and in most cases you will find a complex layout that suggests performance. However, further analysis will show that the real work of signal handling and data conversion is done by a dozen or so components. The rest is decoration, designed to suggest competence. These observations formed the basis for the V90-DAC concept.

We wanted to build the best DAC in the world, but to sell it at a fair price. Using state-of-the-art design techniques and components, we set out to design a DAC to produce top-notch technical performance

– housed in a modest, reasonably priced package.

The V90-DAC has a balance of measurements: distortion, noise, linearity, bandwidth, and phase, which in their totality are not significantly bettered by any product at any price.

If you hunt around, you may find the occasional DAC that claims to have slightly better performance than the V90-DAC in one area or another, but in totality will not exceed it. There are plenty of competitors shouting about their new, wonderful version of the emperor's new clothes, but they offer little or nothing in real performance to back up their claims. Just lots of talk about subjective this or that, but all of it is just a matter of opinion.

The V90-DAC is a matter of fact. Its technical and sonic performance is superlative.

There are better DACs but they may cost twenty or thirty times more.

Buying the V90-DAC is your personal statement of independence from overhyped claims.

### **V90-DAC D/A converter in brief**

- Exceptional technical performance combined with value for money
- Multiple digital inputs – coax, 2 x optical and asynchronous USB
- Low output impedance
- 32bit DAC
- 24bit 192kHz re-clocking and up-sampling on all inputs
- Extended linearity
- Outstanding channel separation
- Beautiful, considered build quality

# MUSICAL FIDELITY



V90-DAC DIGITAL TO ANALOGUE CONVERTER

## SPECIFICATION

### Performance

Jitter: <12 picoseconds peak to peak  
THD(+ noise): <0.004% 20Hz to 20 kHz  
Frequency Response: +0, -0.1dB, 20Hz to 20 kHz  
Crosstalk: -104dB, 20Hz to 20 kHz  
Signal / Noise ratio: -117dB, 20Hz to 20 kHz

### Inputs

1x RCA coaxial connector SPDIF 32-192 kbps  
(16-24 bit stereo PCM)  
2x TOSLINK optical connector 32-96 kbps  
(16-24 bit stereo PCM)  
1x USB type 'B' connector -  
Asynchronous data stream at up to 24-bit/96kHz  
(Determined by source file/computer settings)

### Outputs

1x line level RCA (phono)

### General

Dimensions - WxHxD (mm): 170 x 47 x 102  
Weight (unpacked / packed): 600g / 1.1 kg

### Supplied Accessories

1x 12v 500mA DC power supply

## MUSICAL FIDELITY



# V90-LPS Phono Stage

High Performance Phono

**The V90-LPS is a modestly priced, very high performance MM/MC phono stage with superb technical performance.**

In our opinion, there are five critical areas where a phono stage must achieve excellence:

1. RIAA correction
2. Correction above 20 kHz
3. Low distortion
4. Low noise
5. Good overload margin

The V90-LPS has extremely accurate RIAA correction and that extends up to 80 kHz and beyond. That may sound extreme, but there is a good deal of information above 20 kHz that needs correction. If it isn't corrected, it will show itself as ringing and overshoot.

The V90-LPS's distortion is very low. Noise ratio is extremely low and all but inaudible.

Overload margin is easily adequate for any current cartridge.

All in all, the V90-LPS accomplishes everything necessary for a phono stage.

There are many phono stages that are far more expensive and make extraordinary claims for their performance. In contrast, the modest V90-LPS just gets on with the job of doing everything you could reasonably expect from a phono stage.

If you want top notch performance, and don't care about the alleged conferred status of buying a high-priced product that offers no better performance than the V90-LPS, then we are of a like mind.

### V90-LPS In Brief

- Switchable MM / MC input
- Extremely accurate RIAA extending out to at least 60kHz
- Very low noise (virtually inaudible)
- Very low distortion
- Excellent overload margin
- Excellent channel separation
- Beautiful, considered build quality

# MUSICAL FIDELITY



V90-LPS PHONO STAGE

## SPECIFICATION

### Performance

Input impedance: 47kOhm (MM), 100Ohm (MC)

Input sensitivity: 3.0mV (MM), 400 $\mu$ V (MC) - for 300mV out

Total harmonic distortion: 0.01% (MM/MC) - @ 1kHz, 300mV out

Frequency Response: +0, -0.1dB, 20Hz to 20 kHz

Signal / Noise ratio (A weighted): >80dB (MM), >70dB (MC)

Input overload margin: 15dB (MM), 22dB (MC)

RIAA response: +/- 0.25dB

### Inputs

MM: 1 pair RCA sockets

MC: 1 pair RCA sockets

### Outputs

1 pair RCA sockets

### General

Dimensions - WxHxD (mm): 170 x 47 x 102

Weight (unpacked / packed): 600g / 1.1 kg

### Supplied Accessories

1x 12v 500mA DC power supply



## MUSICAL FIDELITY



# V90-BHA Balanced Headphone Amplifier

## Balanced Headphone Amplifier

**Musical Fidelity is the first headphone maker to bring the sound quality benefits of balanced audio to the consumer headphone market. With the launch of the V90-BHA headphone amplifier and its partner MF-200B headphones, balanced audio technology is no longer only for esoteric products.**

The benefits of balanced connection have long been known in the pro-audio industry, where great efforts are made to minimise noise and interference in the audio chain, particularly with low-level signals.

By using balanced connections, rather than single-ended audio, RF interference on the audio signal is effectively cancelled out, resulting in an exceptionally low noise level and a far more accurate sound.

The V90-BHA offers high input impedance and low output impedance, to allow connection to most sources and the ability to easily drive the vast majority of headphones (from 10 ohms to 600 ohms).

Distortion is very low, typically less than 0.005% across the audio band. The V90-BHA also delivers an outstanding signal-to-noise ratio of better than 109 dB ('A' weighted). The frequency response is 20 Hz to 80 kHz (-1dB).

Inputs include both balanced XLR and single-ended RCA, while outputs include a dedicated four pin Mini XLR balanced connector and a 3.5mm headphone jack output, making the V90-BHA a very versatile headphone amplifier.

The V90-BHA's combination of very low distortion, extremely low noise, flat frequency response and low output impedance gives a smooth, effortless sound quality normally reserved for far more expensive products. The V90-BHA is also designed to effectively run as a dual mono amplifier when in balanced mode, which minimises cross-channel interference and maximises stereo separation.

The V90-BHA features some of Musical Fidelity's finest electronics, in a tiny package that looks great, with a front panel and cover of custom-made extrusions, finished in fine-texture moonstone.

### V90-BHA In Brief

- Outstanding value, fully-balanced headphone amplifier
- Balanced and single-ended inputs (automatically converts single to balanced)
- Great technical performance
- Wide bandwidth: 10Hz-35kHz at +0, -3dB
- Very low noise
- Very low distortion: < 0.005%, 20Hz to 20kHz
- Outstanding channel separation
- Powerful output into 32 ohms
- Beautiful, considered build quality

# MUSICAL FIDELITY



V90-BHA BALANCED HEADPHONE AMPLIFIER

## SPECIFICATION

### Performance

Power: 0.75wpc into 32Ohms  
Output Impedance: 22 Ohms (Suitable for 10-600 Ohm headphones)  
Input Impedance: 25 KOhms  
THD(+ noise): <0.005% typical (20Hz to 20kHz)  
Signal to Noise Ratio: >109dB 'A'-weighted  
Frequency Response: +0, -3dB, <10Hz to 37 kHz

### Inputs

1x pair RCA / Phono Line Level  
1x pair XLR inputs  
1.3mm Power Socket

### Outputs

1x Stereo mini XLR  
1x Stereo Headphone Jack - 3.5mm / 1/8"

### General

Dimensions - WxHxD (mm): 170 x 47 x 117  
Weight (unpacked / packed): 600g / 1.1 kg

### Supplied Accessories

1x 12v 500mA DC power supply