

## MX-VYNL Fully balanced phono stage



The ultimate in analogue listening.

The MX-VYNL is a very high performance, fully balanced, highly accurate phono MM/MC cartridge amplifier in a beautifully designed and executed casework.

The unit features two completely separate, independently selectable cartridge inputs, balanced as well as single ended. This allows choice between two different turntables if required.

Selectable gain is provided to allow for different cartridge sensitivities and to suit any equipment. Cartridge type and loading is selected by front selector wheel for optimum cartridge performance.

## Safety instructions



*Warning of a hazard for the user, the unit or possible misuse.*



*Important notice.*



*AC outlet voltages vary from country to country. Before connecting to the mains, make sure that the voltage in your area meets the voltage requirements printed on the power supply.*

*The power supply is used to connect/disconnect the unit from the mains. Make sure that the power supply is easily accessible at all times. Never handle the device or the power supply while your hands are wet or damp. Avoid letting liquids enter the device or the power supply. Never place any item containing liquid, such as a flower vase on or near the device. Never spill any liquid on the device or the power supply. Never place any naked flame sources, such as lighted candles on or near the device. The product shall not be used in damp or wet locations, next to a bathtub, sink, swimming pool or any other similar conditions.*



*Never connect or disconnect power supply to or from the unit whilst the power supply is connected to the mains. Never use any other power supply than the one supplied with the unit.*

*Take care to connect the left and right channels correctly. The right channel is usually marked red, the left channel white.*

# MUSICAL FIDELITY

## MX-VYNL fully balanced phono stage

### FRONT VIEW



### REAR VIEW



BALANCED/RCA Input switch  
RCA inputs RIGHT & LEFT

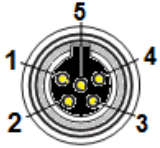
RCA outputs RIGHT & LEFT

Power IN  
12VDC 500mA

### XLR SOCKET PINOUTS

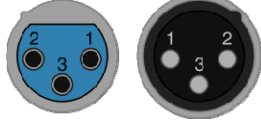
**XLR Balanced input connections:**

Pin:	Function:
1	+ Left in
2	- Left in
3	- Right in
4	+ Right in
5	0V common



**XLR Balanced output connections:**  
EIA Standard RS-297-A

Pin:	Function:
1	Ground (cable shielding)
2	Normal polarity ("hot" or "+")
3	Inverted polarity ("cold" or "-")



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### Balanced XLR and unbalanced RCA outputs

A preamplifier can be connected to the output sockets. Use balanced inputs and outputs where available. The outputs (RCA or balanced) are designed to be connected to any suitable matching LINE LEVEL input on following pre/amplifier. Most line level inputs including those labelled for different purposes (e.g. "TAPE" or "TUNER") are normally suitable. Do NOT connect to any PHONO or MIC level inputs as this will result in over amplification, distortion, and possible damage to speakers/power amplifiers.

### Phono inputs

Phono MM or MC cartridges can be connected to the XLR (balanced) or RCA (single ended) inputs.

The XLR Balanced input is a "Mini XLR" 5 pin type which carries hot and cold signals for both left and right channels direct from the cartridge as well as an internal 0V for reference. If required, this 0V connection can be used, for example to connect tonearm/head shell assembly to aid screening. It must not be connected to any part of the motor circuitry. See P. 3 for wiring. Balanced input requires access to all 4 separate cartridge wires.

The RCA input uses standard RCA sockets, use good quality 100% screened cables, ground and signal connections at both ends for best results. Keep such cables as short as possible and away from mains, speaker cables and any other possible sources of interference.



**Do not attempt to adapt turntable RCA outputs into this device's BALANCED input as the outer shield of the cable and/or the turntable connections will pick up and send in surrounding noise causing degraded performance. Only use MX-VYNL balanced input with *fully balanced* turntable outputs. If the turntable only has RCA outputs, use MX-VYNL RCA inputs.**

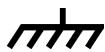
### Connecting to turntable

Make sure the MX-VYNL and subsequent amplification is switched OFF. Connect the required input of the MX-VYNL to output socket on your turntable and select the corresponding input using balanced/RCA input switch on back panel.

### Mains power connection

Connect the low voltage plug from the power supply to the **Power** socket before connecting the power supply to the mains. Make sure unit's on/off switch is in the off position.

### Phono/turntable grounding post



The gold grounding post should only be connected when excessive hum is experienced. Connect the turntable earthing lead to this post if hum is noticed. If hum worsens when the earth post is thus connected, then disconnect immediately and investigate the cause elsewhere.



**Some systems may have more than one direct earth point(s) already involved. This could cause hum problems that may only become apparent on connecting this product. Thus the unit may not be the root cause of hum detected in a system, even if it is the only device that appears to be making the hum apparent.**

There is no harm done if *no* connection is made to this terminal, as it is not always needed anyway, for example, some turntables have their own earthing arrangement.

### Front panel controls



#### To switch on from standby or to standby

The toggle switch on the left side of the front panel turns the unit on or back into standby. The blue LED above the stand-by switch button shows that the unit is switched on.

#### Cartridge/Loading selector wheel

First select whether MC or MM cartridge is being used, then choose the loading closest to that recommended by the cartridge manufacturer. Move wheel so that required loading is closest to the black arrowhead indicator.



Some high output MC cartridges may be used on MM setting. See also gain selector switch below.

As this is a high gain device and at the beginning of the chain, very tiny changes can cause loud noises to be heard from the speakers. It is recommended to make all settings before turning the volume up and to switch the preamp on *before* subsequent connected devices and off *after* them. Changes may be made, with subsequent device volume at minimum, safely too. There are two blank "mute" positions on the wheel. These are a safety feature to prevent accidentally going from lower gain MM directly to higher gain MC and possible speaker damage. They may be freely used as mute positions and no harm will result from using them so.

#### EQ selector

Use to select the low frequency roll-off and is set according to taste and/or recording. "IEC" gives a very low bass roll-off (at subsonic frequencies).

#### Gain selector

Use to select desired gain to match output to other sources in use in system.

Switch setting	Sensitivity for 300mV nom.	
	MM	MC
0 dB	5mV	0.8mV
+6dB	2.5mV	0.4mV

#### Warranty

*The manufacturer accepts no responsibility for damage caused by not adhering to these instructions for use. Modification or changes to any part of the product by unauthorized persons release the manufacturer from any liability over and above the lawful rights of the customer.*



Should a problem be encountered which cannot be identified or resolved, please contact point of purchase/dealer for further advice. Only if the problem cannot be resolved there, the unit should be sent to the responsible distributor in your country. Warranty is valid in *country of purchase and for original purchaser only* and is not internationally nor personally transferable.

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### Technical specifications

#### Output

Output voltage	4 Volts RMS single ended from RCA sockets 8 Volts RMS balanced from XLR sockets	
Frequency response:	RIAA $\pm 0.1$ dB IEC $\pm 0.1$ dB	
MM:		
Channel separation:	< -86dB	
SNR A-wtd:	< -101dB	
THD:	< 0.007%	
XLR input:	5mV / 2.5mV selectable 70mV max (23dB headroom)	
MC:		
Channel separation:	< -83dB	
SNR A-wtd:	< -98dB	
THD:	< 0.01%	
XLR input:	0.8mV / 0.4mV selectable 12mV max (24dB headroom)	

#### Connections

Power	Power	1.3mm pin DC power jack
Inputs	Balanced	Mini-XLR
	RCA	1 pair RCA sockets
Outputs	Balanced	XLR male sockets EIA Standard RS-297-A
	RCA	1 pair RCA sockets

#### Power requirement

Outboard power supply:	12V/500mA DC	
Mains voltages	100-240VAC 50-60Hz universal worldwide supply	
Consumption	<0.25 Watts	standby
	<8 Watt maximum (Blue LED lit)	

#### Weight

Unit only, unboxed	1.9 kg	(4 ¼lbs)
In shipping carton	2.4 kg	(5 ¼lbs)

#### Dimensions

Width	220 mm	(8 <sup>2</sup> / <sub>3</sub> " )
Height (including feet)	53 mm	(2" )
Depth (front to back)	215 mm	(8 <sup>1</sup> / <sub>2</sub> " )

#### Standard accessories

Mains adaptor & option plugs  
Manual

Musical Fidelity reserves the right to make improvements which may result in specification or feature changes without notice. E+OE.



## MX-VYNL fully balanced phono stage



### DISPOSAL

The crossed out wheeled bin label that appears on the back panel of the product indicates that the product must not be disposed of as normal household waste. To prevent possible harm to the environment please separate the product from other waste to ensure that it can be recycled in an environmentally safe manner. Please contact local government office or retailer for available collection facilities.



### DISPOSITION

La poubelle sur roulettes barrées X, qui apparaît en logo sur le panneau arrière du produit, indique que celui-ci ne doit pas être traité comme un déchet domestique commun. Afin de protéger l'environnement, ce produit électronique devra être géré séparément et donc recyclé selon les nouvelles normes Européennes Rohs concernant les déchets d'appareils électroniques. Prière de contacter les services concernés gouvernementaux ou votre point de vente pour l'élimination et l'enlèvement de déchets électroniques équipés de composants électroniques.



### DISPOSAL

La etiqueta cruzada hacia fuera del compartimiento que aparece en el panel trasero del producto indica que el producto no se debe reciclarse como basura normal de la casa. Para prevenir daños posible al ambiente separe por favor el producto de otras basura para asegurarse de que puede ser reciclada de una manera ambientalmente segura. Entre en contacto por favor a su oficina gubernamental local o a su minorista para las instalaciones disponibles de la colección.



### RIFIUTI

L'etichetta del cassonetto barrato riportato sul retro dell'apparecchio indica che il prodotto non deve essere smaltito tramite la procedura normale di smaltimento dei rifiuti domestici. Per evitare eventuali danni all'ambiente, separare questo prodotto da altri rifiuti domestici in modo che possa venire riciclato in base alle procedure di rispetto ambientale. Per maggiori dettagli sulle aree di raccolta disponibili, contattate l'ufficio govenativo locale od il rivenditore del prodotto.



### FACHGERECHTE ENTSORGUNG:

Das auf der Geräterückseite angebrachte Label deutet darauf hin, dass das Produkt nicht mit konventionellem Hauskehrichrt entsorgt werden darf. Um Schäden und Verschmutzungen an Umwelt und Mensch zu vermeiden, muss das Produkt fachgerecht entsorgt und von anderem Abfall getrennt werden. Wenden Sie sich bei Fragen hierzu an Ihren Fachhändler oder an eine öffentliche Informationsstelle.



### AFVAL

Het label op de achterzijde van dit apparaat, een afvalbak op wielen met een kruis doorgehaald, geeft aan dat dit apparaat niet samen met gewoon huishoudafval mag worden weggegooid. Om mogelijke schade aan onze leefomgeving te voorkomen dient dit apparaat, gescheiden van gewoon huishoudelijk afval, te worden afgevoerd zodat het op een milieuvriendelijke manier kan worden gerecycled. Neem voor beschikbare inzamelplaatsen contact op met uw gemeentelijke reinigingsdienst of met uw elektronica leverancier.



### HÄVITTÄMINEN

Yliuksattua jäteastiaa kuvaava tarra tuotteen takalevyssä kertoo, että tuotetta ei saa käsitellä normaalina talousjätteenä. Ympäristön suojelemiseksi on tuote pidettävä erillään muusta jätteestä ja se on kierrätettävä ekologisesti kestäväällä tavalla. Ota yhteyttä laitteen myyjään tai Pirkanmaan Ympäristökeskukseen lähimmän kierrätyskeskuksen löytämiseksi.



### AFSKAFNING

Logoet med en skraldespand med kryds over på bagsiden af apparatet indikerer at dette produkt ikke må kasseres som normal husholdningsaffald. For at forebygge mulig skade på miljøet, bedes De separere dette produkt fra andet affald, og sikre at det bliver genbrugt på en miljørigtig måde. Kontakt venligst de lokale myndigheder eller din forhandler for oplysning om nærmeste tilgængelige opsamlingssted for elektronikaffald.



### ΔΙΑΔΙΚΑΣΙΑ ΑΠΟΡΡΙΨΗΣ

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