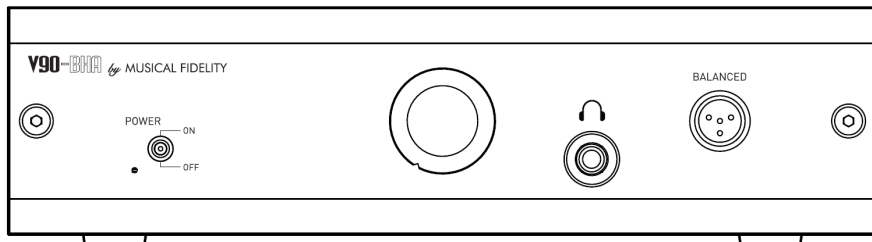


V90-BPA Balanced Headphone Amplifier

Instructions



RCA/Balanced input mode selector

For best results, please select the correct input mode with the RCA/Balanced input selector switch.

For RCA (single-ended) input use, move the switch towards the "RCA" label.

For Balanced (XLR) input use move the switch towards the "Bal" label.

Please note this switch is intended as select-and-forget, and does *not* allow "input selection" - as both XLR and RCA inputs share common input circuitry.

Headphones

Simply plug your choice of headphones into the correct front panel output socket. The amplifier automatically selects mode of operation so no further action is required.

Use

With volume turned down, switch unit on and plug in headphones. Adjust the volume control for a comfortable listening level, sit back and enjoy the music.

These products have been designed so that it may be left on indefinitely, but please note that the mains adaptor may become warm to the touch - this is normal.

Front Panel XLR connections



XLR PIN	TRANSDUCER	CONNECTION
1	LEFT	HOT or +
2	LEFT	COLD or -
3	RIGHT	HOT or +
4	RIGHT	COLD or -

Introduction

Thank you for purchasing the V90-BHA headphone amplifier. We sincerely hope that it will bring you many years of outstanding listening pleasure.

Installation Precautions

Your new V90-BHA is designed and built to provide trouble-free performance, but as with all electronic devices, it is necessary to observe a few precautions:

Do not use the V90-BHA near water. The unit must not be exposed to dripping or splashing and no objects filled with liquids, such as vases, must be placed on the unit.

Keep the V90-BHA away from heat such as radiators. No naked flame sources, such as lighted candles, should be placed on the unit.

Power Supply Note:

Only use *approved* Musical Fidelity DC power supply. The use of other adaptors or supplies could seriously damage the V90-BHA.

This Hi-Fi product has been tested to ensure that its operation is not adversely affected by normal background levels of Radio Frequency Interference (R.F.I.), and that it does not itself generate excessive amounts of interference. However, if a problem persists, please contact your Musical Fidelity agent.

Never open the case of the V90-BHA yourself, as this will invalidate the guarantee.

Place all connecting cables where they are not likely to be walked on or trapped by items placed on them.

The V90-BHA will operate in accordance with its specifications within the following environmental range:

Temperature 5 to 45 degrees Celsius

Humidity 10 to 90% non-condensing

There are no user adjustments inside. Please refer all service work to an authorised Musical Fidelity agent.

Connections

All connections must be made before the mains adaptor is plugged in, and before any amplifier connected is switched on. Always switch off the equipment attached to the V90-BHA before connecting or disconnecting power, changing leads or inputs.

Inputs

Using good quality RCA or XLR balanced leads (not supplied), connect the left and right outputs from a CD player or other audio source to the V90-BHA **INPUT** sockets.

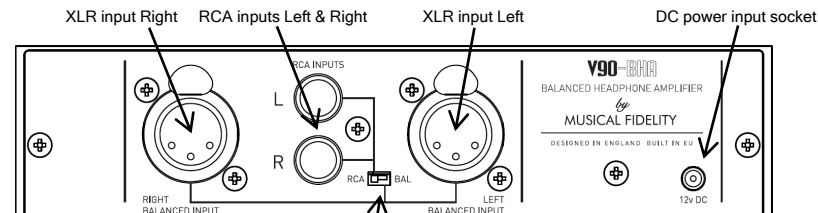
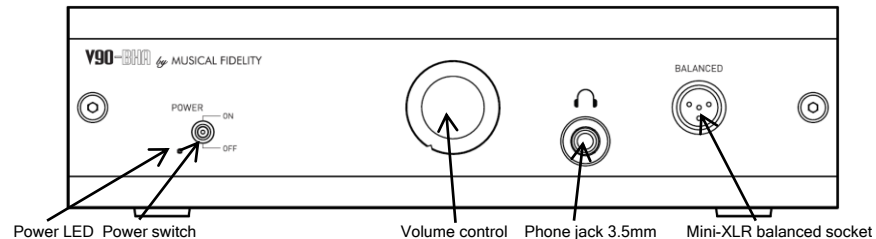
Outputs

Two headphone sockets are available to allow a greater range of headphones to be used without need of adaptors. The balanced socket is for headphones with balanced termination, the 3.5mm Jack is standard for 3.5mm terminated phones.

Note: If connecting into an *existing* system, the V90-BHA can conveniently be connected to the TAPE REC (or similar) outputs of any pre- or integrated amplifier.

Power

Plug the DC connector lead from the power supply unit into the V90-BHA power inlet socket, and plug the adaptor itself into a convenient wall mains outlet. Switch on the unit using front panel POWER switch. The blue LED will light to confirm the unit is ready for use.



Basic problem-solving with an amplifier is similar to troubleshooting other electrical or electronic equipment.		
Problem	Probable Cause	Remedy
No power	Power supply not switched on. Power plug is not fully inserted	Check power supply is plugged in and switched on (blue LED lit) Plug into rear socket securely
No sound - analogue	Wrong connections between input source and the V90-BHA Volume turned right down	Check headphone lead is connected and secure Check INPUTS switch position and audio input lead connections. Check volume is adjusted accordingly. Take care not to turn up too high!
Hum	Audio connector not secure	Insert plug so full contact is made.
If none of these actions affect a cure, please contact the dealer, or an authorised Musical Fidelity service agent. Remember; never open the case of the V90-BHA, as this will invalidate the guarantee.		

Specifications:	Power	>0.75W /channel	into 32 Ohms
	Output devices	24	per channel
	Output impedance	22Ω	Suitable for 10-600Ω 'phones
	THD	<0.005% typical	20Hz-20 kHz
	Signal/noise ratio	>109dB	'A' weighted
	Input impedance	25 KΩ	
	Frequency response	+0, -3dB	<10Hz to 37 kHz
	Power requirement:	12V DC	500mA
Connections:	Line level inputs:	1 pair line level RCA connectors, 1 pair XLR connectors	
	Headphone outputs	1 Stereo Mini XLR 1 Stereo Jack socket 3.5mm, 1/8"	
	Power input	1.3mm DC power socket	
Dimensions:	Length	117mm 4 1/2"	including terminals and volume
	Width	170mm 6 3/4"	
	Height	47mm 1 3/8"	including "feet"
Weight:	Unit alone	600g 1 1/2lbs	
	Total packed carton	1.1Kg 2 1/2lbs	
Accessories (supplied)	Power Supply Unit	12V DC 500mA	1 off
	Leaflet	V90-BHA Instructions	1 off

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

Item disposal information for Europe



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 your local government office or your 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 compartimento que aparece en el panel trasero del producto indica que el producto no se debe reciclar 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 cassetto 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 governativo locale od il rivenditore del prodotto.

FACHGERECHTE ENTSORGUNG:
Das auf der Geräterückseite angebrachte Label deutet darauf hin, dass das Produkt nicht mit konventionellem Hausmüll entsorgt werden darf. Um

AFVAL
Het label op de achterzijde van dit apparaat, een afvalbak op wielen met een kruis doorgeschild, 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.

HÄVITÄMINEN
Yröksätiua jättesätiua kuvaava tarra tuotteen takalevyssä kertoo, että tuotetta ei saa käsitellä normaaliina talousjätteenä. Ympäristön suojelemiseksi on tuote pidettävä erillään muusta jätteestä ja se on kierrätettävä ekologisesti kestävällä 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 ΑΠΟΡΡΙΝΗΣΗΣ
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For warranty, please register product on
<http://www.musicalfidelity.com/register>

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