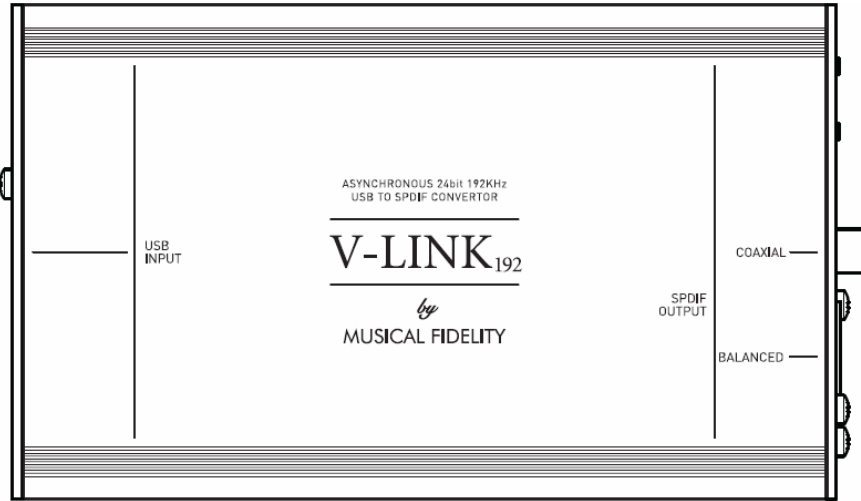


# V-LINK<sub>192</sub> Asynchronous 24bit 192KHz USB to SPDIF Converter

## Instructions



### Introduction

Thank you for purchasing the V-LINK<sub>192</sub> asynchronous 24 bit 192kHz USB to SPDIF converter. This unit is host computer-powered and features galvanic isolation of the digital outputs for optimum noise free digital signal transfer. It is designed for all sample frequencies up to and including 192kHz. This enables high sample rate source material to be reproduced with stunning detail and clarity. We sincerely hope that it will bring you many years of outstanding listening pleasure.

### Installation Precautions

Your new V-LINK<sub>192</sub> 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 V-LINK<sub>192</sub> 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 V-LINK<sub>192</sub> away from heat such as radiators. No naked flame sources, such as lighted candles, should be placed on the unit.

### Power Supply Note:

The V-LINK<sub>192</sub> does not require a power supply; instead it automatically draws a small amount of operating power from the computer USB port it connects to.

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 V-LINK<sub>192</sub> 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 V-LINK<sub>192</sub> 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

#### USB Input

For Windows, it is necessary to install a driver for this unit before connecting the input. Insert the disk into the computer to be used and follow the onscreen guides to setup the driver software. The software will advise when to connect the device.

Apple OSX or later has the necessary functionality built-in, and does not require driver disk.

A good quality USB 2.0 A to B cable is required to connect the unit to the computer.

Further advanced information not included here is available on the disk in the form of a PDF document. To read it, Adobe PDF reader must be installed on the machine.

#### Outputs

Connect the V-LINK<sub>192</sub> output to the digital input of a DAC or other digital media system. It is advisable to have any subsequently connected amplifier turned down or off at this point. Coaxial (RCA) or balanced (XLR) may be used. Files sampled up to and including 192kHz, are supported and the unit has the added advantage of inherent galvanic isolation between computer and hi-fi equipment. This helps avoid ground loops.

#### Power

The unit draws its power requirement from the USB host i.e. the computer to which it is attached. The blue LED will light to confirm the unit is receiving power, and the green LED will be lit once the unit is correctly detected by the computer. A sample rate LED will light to indicate when music is playing, and indicate the current sampling frequency.

#### Use

Turn the volume on amplifier to normal listening levels, sit back and enjoy the music. This product has been designed so it may be left on indefinitely.

**Please note, no sample rate conversion takes place in this unit, lower sample rate files, e.g. CD-originated music are simply passed through at their original sample rate. Other file types such as MP3, WAV, FLAC, AAC, etc are passed through with the same sample rate as stored on the computer.**

### Additional Information

This device has been designed to work with Windows XP (SP3), Windows VISTA, Windows 7, Linux (kernel 2.6.33 or later), and Apple OS X 10.6.4 onwards.

A guide PDF is included if required on the CD. To view the PDF you will need adobe acrobat reader installed. Use explorer to view the contents of the CD ROM and view the additional guide by clicking on the Installing\_VLink file.

For the other supported (non-Windows) operating systems, the computer drivers for the USB input of the V-LINK<sub>192</sub> should install automatically. To check correct installation follow these steps:

#### PC Windows users

Check the computer has picked up the device and is currently using it by clicking: (most Windows versions)

- Start
- Settings
- Control panel
- Sounds and Multimedia
- Audio

Check "Musical Fidelity VLINK" appears under PREFERRED AUDIO DEVICE tab

#### Mac users

Check the computer has picked up the device and is currently using it by clicking: (MAC OS X)

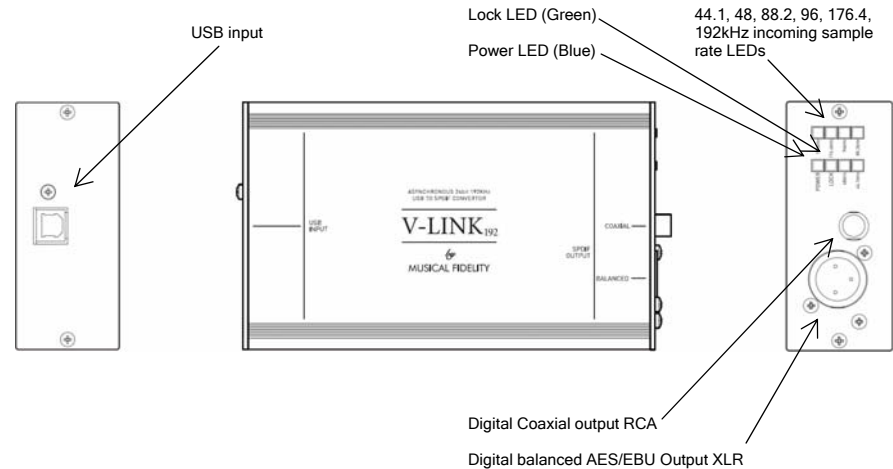
- System preferences
- Hardware
- Sound

Check that "Musical Fidelity VLINK 192" is selected under the OUTPUT tab.

If the computer's warning sounds/chimes are to be played through the DAC, make sure it is selected under the SOUND EFFECTS tab too.

*This device is a high speed serial data processor, and by its nature, requires a very high volume of USB bandwidth. It will benefit greatly from being the only device connected on its USB 'port'. Sharing the same port with other devices may cause unwanted artefacts such as dropouts or temporary loss of signal. This especially includes the use of the DAC on a USB hub/splitter alongside other USB components.*

### Front and back connections



Basic problem-solving with an amplifier is similar to troubleshooting other electrical or electronic equipment. Always check the most obvious possible causes first, such as the following examples:		
Problem	Probable Cause	Remedy
No power	Computer not switched on. USB plug is not fully inserted into rear socket or computer Faulty or disconnected USB socket on computer	Check USB is plugged in. Plug in securely  Check with computer manual/manufacturer that USB socket is enabled/in use.
No sound	Wrong connections between input source and the V-LINK <sub>92</sub>	Check digital/USB input leads are securely connected. Green LOCK LED will light when an active USB host (computer) is detected and ready to use.
No Output	Wrong connections between the V-LINK <sub>92</sub> output and the following component	Check digital output lead connections. Check following DAC or digital receiving equipment is correctly setup and <i>can</i> handle 192kHz 24 bit digital signals.
Dropouts in sound	Digital output lead not properly connected Faulty digital output lead  Shared USB port with another device Computer busy with another application Computer low on resources	Check input lead is fully secured Change or replace lead. Please use a good quality straight-through signal-and-ground phono to phono lead for digital coaxial connections.  Avoid sharing the USB port with other devices. At times an application (program) may intervene, sometimes invisibly e.g. a virus scanner. When this happens, computer resources are temporarily used up, and playback may suffer. This is not a fault. Try running fewer applications. See "additional USB information" section.
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 V-LINK <sub>92</sub> , as this will invalidate the guarantee.		

Specifications:	Input	Up to 24 Bit	Up to 192kHz	USB stream
	Output impedance	50Ω		SPDIF stream
	Power requirement	5V DC	160mA max	(Drawn from host computer's USB socket)
Compatibility	Apple Macintosh	Apple OS X 10.6.4 and later		
	IBM PC or compatible	Windows: "XP" (Service Pack 3), "Vista", and "7" Linux Kernel 2.6.33 or later		
Connections	Digital input (USB)	1 USB 2.0 type 'B'		
	Digital outputs (SPDIF)	1 RCA socket (coaxial) galvanically isolated 1 XLR male (balanced) galvanically isolated		
Dimensions	Length	170mm	6 7/8"	including terminals
	Width	95mm	3 7/8"	
	Height	40mm	1 5/8"	including "feet"
Weight	Unit alone	350g	12 1/4 oz	
	Unit packed in carton	400g	14 1/4 oz	
Accessories (supplied)	Leaflet	V-LINK <sub>192</sub>	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



<p><b>DISPOSAL</b> 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.</p>	<p><b>AFVAL</b> 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.</p>
<p><b>DISPOSITION</b> 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.</p>	<p><b>HÄVITÄMINEN</b> Yrüksäätua jätessäätua 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 kestävällä tavalla. Ota yhteyttä laitteen myyjään tai Pirkanmaan Ympäristökeskukseen lähinään kierrätyskeskuksen löytämiseksi.</p>
<p><b>DISPOSAL</b> 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.</p>	<p><b>AFSKAFNING</b> 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 genbragt på en miljørigtig måde. Kontakt venligst de lokale myndigheder eller din forhandler for oplysning om nærmeste tilgængelige opsamlingssted for elektronikaflad.</p>
<p><b>RIFIUTI</b> L'etichetta del cassonetto barrato riportata 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.</p>	<p><b>ΔΙΑΔΙΚΑΣΙΑ ΑΠΟΡΡΙΨΗΣ</b> ΤΟ ΣΗΜΑ ΜΕ ΤΟΝ ΔΙΑΓΕΓΡΑΜΜΕΝΟ ΤΡΟΧΗΛΑΤΟ ΚΑΔΟ ΑΠΟΡΡΙΨΑΤΟΝ ΣΤΗΝ ΠΙΣΩ ΟΨΗ ΤΟΥ ΜΗΧΑΝΗΜΑΤΟΣ ΔΗΛΩΝΕΙ ΟΤΙ ΤΟ ΠΡΟΙΟΝ ΑΥΤΟ ΔΕΝ ΠΡΕΠΕΙ ΝΑ ΔΙΑΧΕΙΡΙΣΘΕΙ ΣΑΝ ΣΥΝΗΘΙΣΜΕΝΟ ΟΙΚΙΑΚΟ ΑΠΟΒΛΗΤΟ. ΠΡΟΣ ΑΠΟΦΥΓΗ ΕΝΔΕΧΟΜΕΝΗΣ ΕΠΙΒΑΡΥΝΣΗΣ ΤΟΥ ΠΕΡΙΒΑΛΛΟΝΤΟΣ, ΞΕΧΟΡΙΣΤΕ ΤΟ ΠΡΟΙΟΝ ΑΠΟ ΤΑ ΆΛΛΑ ΑΠΟΡΡΙΨΑΤΑ ΩΣΤΕ ΝΑ ΕΞΑΦΑΝΙΣΘΕΙ Η ΑΝΑΚΥΚΛΩΣΗ ΤΟΥ ΜΕ ΤΟΝ ΠΡΕΠΟΝΤΑ ΤΡΟΠΟ. ΠΑΡΑΚΑΛΟΥΜΕ ΝΑ ΕΠΙΚΟΙΝΩΗΣΕΤΕ ΜΕ ΤΗΝ ΤΟΠΙΚΗ ΥΠΗΡΕΣΙΑ ΑΝΑΚΥΚΛΩΣΗΣ Η ΜΕ ΤΟ ΚΑΤΑΣΤΗΜΑ ΑΓΟΡΑΣ ΓΙΑ ΠΕΡΙΣΣΟΤΕΡΕΣ ΛΕΠΤΟΜΕΡΕΙΕΣ.</p>
<p><b>FACHGERECHTE ENTSORGUNG</b> Das auf der Geräterückseite angebrachte Label deutet darauf hin, dass das Produkt nicht mit konventionellem Hauskehricht 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.</p>	<p>Das auf der Geräterückseite angebrachte Label deutet darauf hin, dass das Produkt nicht mit konventionellem Hauskehricht 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.</p>

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