

Using your Audibox

The **USB-DI-PLUS** is a Direct Injection, or Direct, box. It is a self contained, stand alone stereo unit designed to interface stereo digital audio with professional balanced low impedance inputs. It will convert computer audio signals into professional Balanced ones that are happy to travel down a long lead into a mixing console at the other end. It has many applications for Live Sound, Studio or Broadcast use.

Plug and Play

If you are running a current Windows OS, as soon as you plug the **USB-DI** into a spare USB port on the computer it will be recognised as a **USB Audio Device**, and will be ready straight away. Current Mac OS users should check for USB Audio fixups especially when updating the OS.

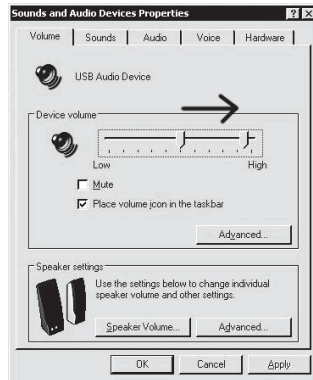
We recommend waiting at least a month or so before updating any Operating System, to make sure that there are no conflicts with your current audio setup.

It is also the generally accepted rule of audio engineers that you should NEVER update anything like hardware or software before an important gig or performance!

IMPORTANT #1

The default volume setting for USB Audio Devices is usually 50% of maximum, as set by the OS (operating system). For our purposes this will be too low, inducing noise and hum as excessive gain may need to be applied to deliver the level required. We suggest increasing this volume setting to 90% or more.

No matter which operating system you are using, once the **USB-DI-PLUS** is installed, go to Control Panel, then Sounds and Audio Devices, then USB Audio Device, then the Volume tab, and move the slider to the right. This will give you the optimum signal to noise ratio.



IMPORTANT #2

Computers are very electrically noisy environments, and USB is a very popular Plug and Play protocol for lots of computers devices.

For fastest and quietest audio operation you **must** plug the **USB-DI-PLUS** into its own USB port, **not a hub**. Experiment on your computer to find the quietest USB port, and keep it only for the **USB-DI-PLUS** - don't have anything else on the same buss.

Otherwise you may get a hissing and clicking noise every time you move the mouse, touch the keyboard, or click on the screen.

IMPORTANT #3

Keep mobile/cellular phones well away (at least 2 metres/8 feet) from the computer and the USB-DI.

The "Dut dut-dah-dut dut-dah-dut dut-dah-dut" sound of a mobile phone connecting is not one that audiences care to hear!

Operating instructions

Input Connections - USB

Connect the USB connector to the **USB-DI-PLUS** and to the USB port on the computer. In a couple of seconds it will be available immediately and the LED on the front of the USB-DI will light up.

Input Connections - Analog

The Dual Mode **USB-DI-PLUS** can also be used as an Analog Direct Box.

Switch the inputs to Analog on the front panel. Connect to **either** the L and R 6.5mm standard jacks or the stereo 3.5mm mini-jack connector.

Output Connections

Connect a balanced microphone lead from each 3 pin XLR connector on the **USB-DI-PLUS** to a pair of input channels on the mixing console. Set the Input Gains on the channels, and Pan the channels Left or Right as required.

In USB mode, to check that the **USB-DI-PLUS** is set up correctly, open your audio software, ensure that USB Audio Device is selected as the default audio device, open a music file and play.

In Analog mode, just turn up the level on your analog source.

That's all there is to it.

The **USB-DI-PLUS VC** out put level can also be adjusted with the volume control on the front panel

Put simply, the **USB-DI-PLUS** is the 2nd Generation USB pro audio interface that Audio Professionals have been waiting for!

Latest information updates are always available on the comprehensive ARX website:

www.arx.com.au

Did you know...

As well as the **USB-DI**, ARX manufacture other products in the unique Audibox range:

The **ISO-Balancer** for balancing unbalanced signals, and also the **ISO De-Balancer**, which will de-balance a signal when required to connect to an unbalanced input.

The **ISO-Later** is a Dual channel Unbalanced to Balanced Low Impedance transformer isolated converter, and the **ISO Splitter** is a transformer isolated 1 input to 2 outputs splitter for splitting 1 input 2 ways in applications where complete Galvanic isolation is required.

Both available in Single Channel or Double Header format.

The **Pro-DI** is an ultra compact Analog Active Direct box, with normal High Impedance input as well as a separate speaker level input for connection to instrument amplifiers.

Other features include -20dB Pad and Audio Ground Lift switches, plus Phantom or DC power options.

For the latest information on the complete Audibox range, visit our website:

www.arx.com.au/worldwide/audibox.htm

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Manufactured in Australia

INTERNATIONAL LIMITED WARRANTY

ARX Systems (ARX) warrants to the first purchaser of this Audibox™ product that it is free from defects in materials and workmanship under normal use and service. ARX's sole obligation under this warranty shall be to provide, without charge, parts and labour necessary to remedy defects, if any, which appear within twelve (12) months from date of purchase; and to replace faulty parts only (if still available) for two years from purchase to the original purchaser. Original sales receipt will be required.

This is our sole warranty. It does not cover finish or appearance items, nor does it apply if the Audibox™ has been, in ARX's sole judgement:

- Subjected to misuse, abuse, negligence or accident;
- Repaired, worked on, or altered by persons not authorized by ARX,
- Connected, installed, adjusted or used otherwise than in accordance with the instructions supplied by ARX.

This warranty gives you and us specific legal rights, and you may also have other rights which can vary from country to country and state to state.

To obtain warranty service for your Audibox, please contact ARX or the dealer you purchased it from. If it is necessary to return the unit to the factory, they will give you the correct return address to send your unit to. Have your sales receipt showing date of purchase handy, and include a copy of it with your Audibox.

Please pack the unit well - we are not responsible for any damage caused by unsuitable packing during shipment. Send the unit to us pre-paid, by a delivery service like FedEx, UPS, DHL or any other service that can track the shipment. We will return it to you freight paid.

If you have any questions, or any part of this is unclear, please contact ARX Systems as below:

Email : info@arx.com.au

or mail to: PO Box 15, Moorabbin,
Victoria 3189, Australia.

About the USB-DI- PLUS series

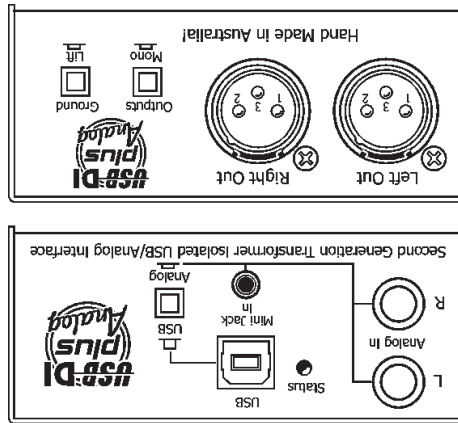
The USB DI Plus is ARX's 'Second Generation' USB DI, and the first with Dual Mode audio interface - Digital and Analog.

In fact, it's "Two DI's in One!"

The USB DI Plus installs as a fully compatible generic "Plug and Play" USB audio device, requiring no special driver program installation, and runs from the USB buss power.

USB-DI PLUS Analog Connections and Controls:

Left and Right 6.5mm Analog inputs, stereo MiniJack inputs, Type B USB input port; Transformer Balanced XLR Outputs. Status LED illuminates when the unit is connected and in use. USB or Analog input switch, Outputs to Mono switch, Audio Ground Lift switch. VC model has Output volume control on front panel.



"The 2nd Generation USB pro audio interface that handles both Digital PLUS Analog signals!"

USB-DI VC Specifications

Input Connector
USB type B port, Analog audio jack connectors

Output Impedance
300 Ohms Transformer Balanced

Output Level
Nominal output level 0dB

Output Noise
USB - System dependent
ISO trans - Environment sensitive

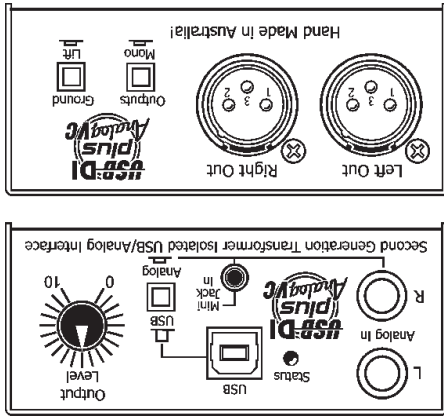
System Requirements
• Windows or Mac running current OS
• USB port
• Audio software

Power
Operating current via USB Port 80mA

Frequency Response
20 - 20 KHz ± 0.5 dB

Construction
All-steel polyurethane painted chassis, fibreglass PCB, epoxy printing, slip-resistant rubber base

Output Connectors
2 x Male XLR, wired Pin 2 + Hot, Pin 3 - Cold, Pin 1 Floating / not connected



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