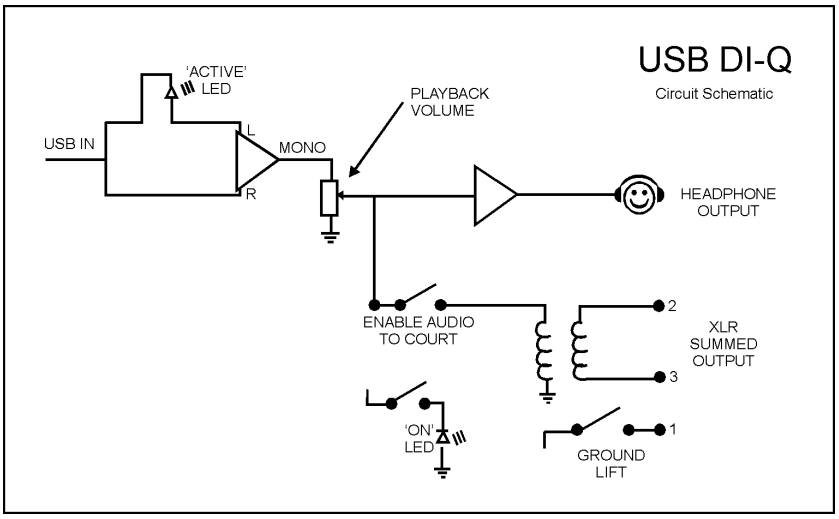
USB DI-Q USB-Analogue Interface

The product:

The **ARX USB DI-Q** is an application specific USB – Analogue interface for interfacing and monitoring the playback of audio files in a courtroom or similar environment.

- The **USB DI-Q** allows the user to monitor and Cue audio files in a closed headphone environment and switch/ enable the audio output to a Public address / sound system as required.
- The **USB DI-Q** installs as a fully compatible 'Plug and Play' generic USB audio device, requiring no special driver program installation on Mac OSX, Windows XP, 7/8/10 and includes a premium quality USB-A to USB-B cable.
- The **USB DI-Q** is housed in a heavy-duty all-steel chassis finished in attractive matt blue textured powdercoat, with hardwearing epoxy screen printing and slip resistant rubber basepad.
- The **USB DI-Q** is ideal for interfacing any USB equipped computer (especially notebook computers) with the balanced inputs of professional sound systems.



Simple to install and to operate:

The simplicity of the setup of the USB DI-Q means that this product can be integrated easily into the existing AV infrastructure of a building.

Once in place, the USB – DI-Q only requires touch button operation so that it can be used easily by non-technical operators.

For more information visit www.arx.com.au or email info@arx.com.au

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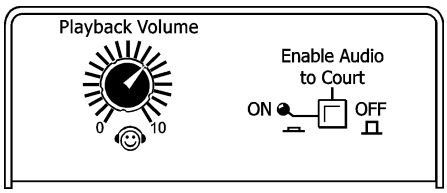
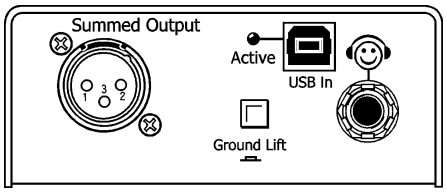


The **front panel** features an overall Playback Volume control for both headphone and XLR outputs and an “enable audio to Court” Switch and indicator LED



The **rear panel** has a Type B USB input socket & LED status LED, Summed (mono) Output XLR with Groundlift switch and a 6.5mm / 1/4" Headphone Output socket.

The development of the USB DI-Q:

Early in 2020 ARX were contacted by a division of the Department of Justice asking if we would be interested in designing an application specific USB Audio interface for use throughout a state court system of approximately 260 courtrooms.

The court systems needed a solution for the monitoring and playback of evidence audio files in court cases. The product would be operated in general by Magistrate's and Judge's associates with no or little technical knowledge, so the functionality and user interface had to be simple.

ARX developed a product proposal based on these requirements and a period of discussing detailed features and specification refinements began.

The first product prototype was then produced and shipped to for testing & evaluation. After some refinement, a second prototype was sent. This unit was signed off as "fit for purpose" and became the USB Q. The first order for 260 units was fulfilled in June 2020.

About ARX Systems: Since 1983 ARX Systems have been designing and manufacturing innovative digital and analog interface and signal processing products for the professional audio industry. With the company headquarters and manufacturing facility based in Melbourne, Australia, ARX Systems have established themselves as a global provider, with representation in all major markets, serving the corporate, broadcast, education, live production, studio, theatre, worship and R&D sectors. Renowned and respected for their unique audio solutions, ARX Systems continue to conceptualise, design and bring to market audio products that lead in performance, features and reliability.

USB-DI Q Specifications

Input Connector USB type B port

Codec 24 bit High Resolution, 44.1 and 48 KHz

Output Impedance 300 Ohms Transformer Balanced

Output Level 0dB max

Output Noise USB - System dependent ISO transformer - Environment sensitive

Power Operating current via USB Port 80mA

Headphone output specs:

Max. output level 300mW @ 32 Ohms

Frequency Response 20–20 KHz ± 0.5 dB

Dynamic range 90dB ‘A’ Weighted

Balanced Output Frequency Response 20 - 20 KHz ±0.5 dB

Output Connectors

1 x Male XLR, wired Pin 2 + Hot, Pin 3 – Cold. Pin 1 Chassis Ground

Construction

All-steel powdercoated chassis, fibreglass PCB, epoxy printing, slip-resistant rubber basepad

System Requirements

Windows PC running Windows XP, 7/8/10 or Mac running OS X or later USB port