## DALI - Using the DALI translate function of DMX-Workshop

Release v7-7 of DMX-Workshop includes numerous DALI features including the ability to translate Art-Osc DALI messages to physical layer DALI using a USB-to-DALI convertor such as the Artistic Licence daliDongle or the Microchip DALI starter kit.

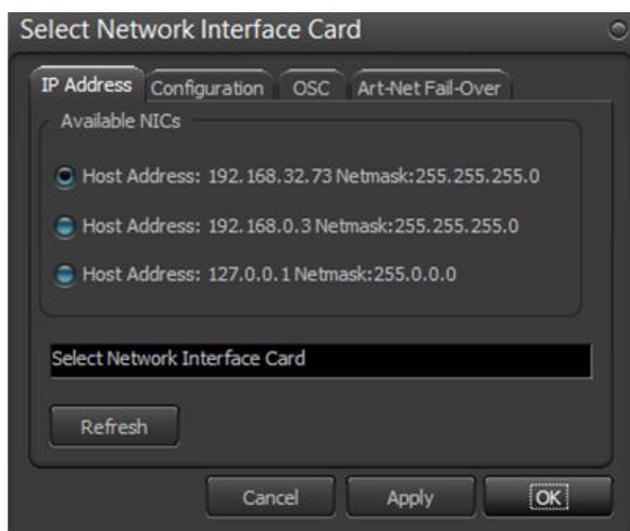Please note that the Tridonic product, DALI-USB (sold through Artistic Licence) is NOT compatible with DMX-Workshop.

This application note walks the user through the process.

### Installation and startup

DMX-Workshop is downloaded from the Artistic Licence web site at this link. The software will run on all versions of Windows from XP to Windows 10. Please note that the PC must be logged on as an administrator when installing DMX-Workshop.
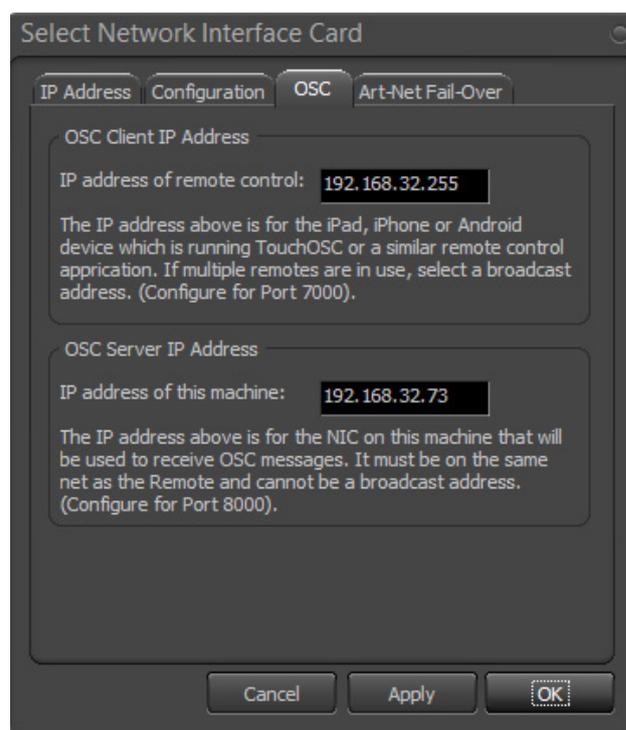
### Setting network address

When DMX-Workshop starts for the first time, or if it detects a change in network settings, the following dialogue is displayed:



The first tab is used to select the IP address of the network card to be used for Art-Net and sACN.



The third tab "OSC" is used to set the IP address for Art-Osc. The client IP should be set to match the IP address of your remote Osc devices such as iPad running TouchOSC or lightJuice DALI4 convertors. This can be a broadcast address – as shown in the example opposite (192.168.32.255).

The server IP must be set to the IP address of a network card on the PC. This is the address to which you should direct the Art-Osc packets to be translated.

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## Translate Art-Osc to USB-DALI:

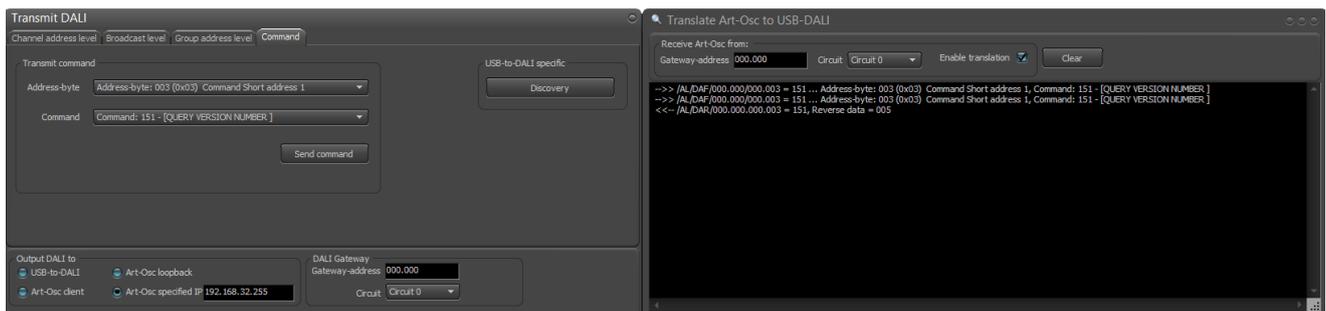The main DALI functions are accessed from the DALI shortcut button.

The Translate DALI dialogue contains a large mimic area that shows real time translation and an upper configuration pane.



The Gateway-address and circuit define the address of the DALI gateway that the translator will emulate.

The mimic area in this example can be seen to show conversion of an Art-Osc forward frame to query version number and a reverse frame responding to the query. The reverse frame is directed to the OSC client address.

The Transmit Dali function can be used as a method of generating the Art-Osc for testing, as shown in the following screen shot:



## Art-Osc Sniffer:

The main DMX-Workshop "network packet dissector" is accessed via the Developer shortcut button. It provides more detailed dissection of Art-Net and Art-Osc packets.

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