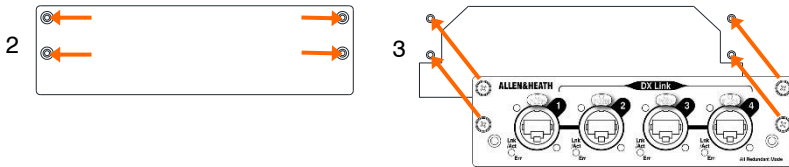# M-DL-DXLINK fitting note

M-DL-DXLINK (DX Link) is one of several audio networking options that can be fitted to an Allen & Heath dLive I/O Port. It provides 4 DX Link ports, each carrying 32x32 channels of 96kHz audio, that can be used to connect to dLive DX expander units in either Parallel or Redundant mode.

ⓘ M-DL-DXLINK requires dLive firmware V1.6 or higher.

Fitting the card

1. Switch the dLive system OFF.
2. Remove the 4 screws securing the I/O Port blank panel to the dLive MixRack or Surface.
3. Slide the card into the slot and press it firmly into the mating connector.
4. Secure the card by tightening the 4 captive thumb screws.

Settings and routing

Use the dLive **I/O** screen to patch signals from or to the I/O Ports.

Use the **MixRack** / **Audio** / **I/O Port** or **Surface** / **Audio** / **I/O Port** screen as appropriate to access redundancy options for the DX Link card. Redundancy can be switched ON or OFF globally per DX Link module.
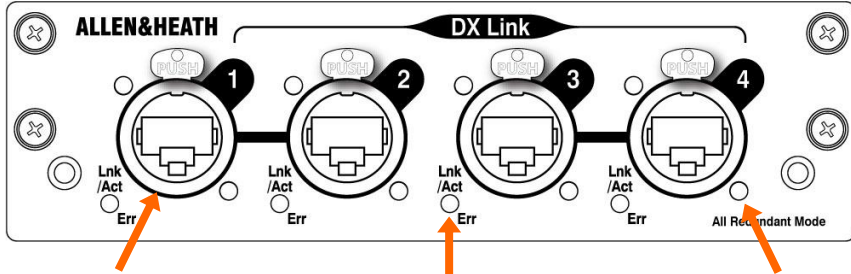
In **Redundant** mode, 1 DX32, DX168 or DX164-W expander can be connected to each pair (1/2 & 3/4) of DX Link ports using 2 Cat5e or higher cables per redundant connection.

In **Parallel** mode, 1 DX32 or up to 2 DX168/DX164-W expanders (in Cascade mode) can be connected to each DX Link port allowing up to 128 remote inputs and 64 remote outputs to be added to the dLive system per DX Link module.

Basic channel mapping is shown below, for more information please refer to the dLive Firmware Reference Guide and the DX System Guide.

Parallel	I/O Port Channels	Redundant	I/O Port Channels
DX Link 1	01-32	**DX Link 1&2**	01-32
DX Link 2	33-64		
DX Link 3	65-96	**DX Link 3&4**	33-64
DX Link 4	97-128		

Front panel

DX Link 1-4
etherCON connectors for Cat5e or higher cables up to 100m.

Lnk/Act LEDs
Flash yellow for Link activity. Illuminates red for stream errors.

All Redundant Mode LED
Illuminates when global redundancy is ON.

CAT5e/CAT6 Cables

Allen & Heath can provide the following recommended cables for use with the DX Link module – contact your A&H dealer for more information:

CAT5e

AH9650-A	100m drum of Etherflex cable with Neutrik EtherCON locking connectors
AH7000-A	80m drum of Etherflex cable with Neutrik EtherCON locking connectors
AH9981-A	50m drum of Etherflex cable with Neutrik EtherCON locking connectors
AH9651-A	20m Etherflex cable with Neutrik EtherCON locking connectors
AH9997-A	2m cable with Neutrik EtherCON locking connectors

CAT6

AH10887-A	100m drum of CAT6 cable with Neutrik EtherCON locking connectors
AH10886-A	80m drum of CAT6 cable with Neutrik EtherCON locking connectors
AH10885-A	50m drum of CAT6 cable with Neutrik EtherCON locking connectors
AH10884-A	20m drum of CAT6 cable with Neutrik EtherCON locking connectors

Allen & Heath Limited, Kernick Industrial Estate, Penryn, Cornwall, TR10 9LU, UK
http://www.allen-heath.com