

## DX HUB

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### Getting Started Guide

The DX Hub is a remote audio expansion hub that can be connected to an Allen & Heath SQ, Avantis, or AHM system, or to a dLive system fitted with a gigaACE card. It provides 4 DX ports to connect to DX Expanders, each port carrying 32x32 channels of 96kHz audio.

One DX32 or up to two DX168/DX164-W/DX012 expanders can be connected to each DX port allowing up to 128 remote inputs / outputs to be added to the system. With dLive, multiple DX Hubs can be used for further expansion or for dual redundancy.

① dLive requires firmware V1.6 or higher and a gigaACE I/O Port card to work with the DX Hub.

① SQ requires firmware V1.2 or higher to work with the DX Hub.

The DX Hub can be used free standing, or up to two units can be installed in a 1U rack space using our optional rack ear kit **FULLU-RK19X**, which can be ordered from your A&H dealer.

### Connections and routing

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Refer to the **DX System Guide** or **SQ SLink Connectivity** documents at [www.allen-heath.com](http://www.allen-heath.com) for details of supported connections and example diagrams.

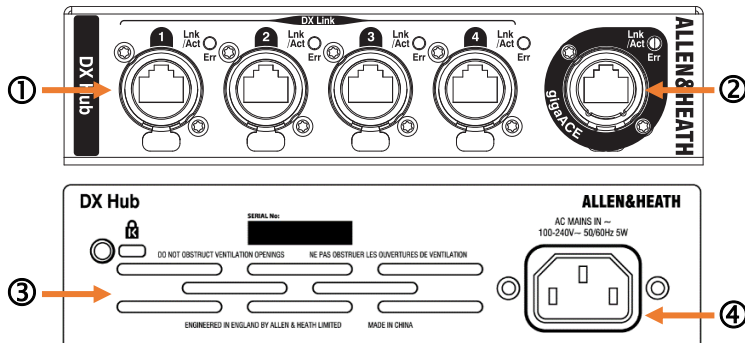
① Use Cat5e or higher STP cables with a maximum length of 100m per connection.

Use the mixer I/O screen or AHM **Assign** screen to patch signals to and from the DX Hub.

Each DX port on the DX Hub has 32x32 available channels:

|             | SLink or I/O Port |
|-------------|-------------------|
| <b>DX 1</b> | 01-32             |
| <b>DX 2</b> | 33-64             |
| <b>DX 3</b> | 65-96             |
| <b>DX 4</b> | 97-128            |

## Front and rear panels



① **DX Link 1-4** Four DX ports each capable of 32x32 channels of 96kHz audio. Each DX socket can be connected to 1 DX32 or up to 2 DX168/DX16-4W/DX012 expanders. A status LED flashes yellow for Link activity and illuminates red to indicate a stream error.

② **gigaACE** For connection to an SQ / Avantis / AHM SLink port, or gigaACE card in a dLive / Avantis system. The gigaACE connection provides 128x128 channels of audio at 96kHz. A status LED flashes yellow for Link activity and illuminates red to indicate a stream error.

③ **Vents** Ensure good ventilation at the rear of the DX Hub. Avoid obstruction of vents while operating. Avoid dirt or liquid ingress.

④ **Power** IEC connector and fuse for the built-in universal voltage power supply unit. This accepts voltages from 100 to 240V AC 50/60Hz. Check that you have received the correct mains lead for your territory.

Read the Safety Instructions Sheet included with the product and the information printed on the panel before operating.

A limited one year manufacturer's warranty applies to this product, the conditions of which can be found at: [www.allen-heath.com/legal](http://www.allen-heath.com/legal)

By using this Allen & Heath product and the software within it you agree to be bound by the terms of the relevant End User Licence Agreement (EULA), a copy of which can be found at: [www.allen-heath.com/legal](http://www.allen-heath.com/legal)

Register your product with Allen & Heath online at: <http://www.allen-heath.com/support/register-product/>

Check the Allen & Heath website for the latest documentation and software updates

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