

DX Hub

The DX Hub (DX-HUB) is a remote audio networking hub that can be connected to an Allen & Heath SQ mixer, or dLive system fitted with a gigaACE card. It provides four DX Link ports, each carrying 32x32 channels of 96kHz audio, that can be used to connect to dLive DX expanders.

One DX32 or up to two DX168/DX164-W expanders can be connected to each DX Link port allowing up to 128 remote inputs and 64 remote outputs to be added to the system. With dLive, multiple DX Hub modules 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. Note that V1.2 does not support the DX32 and DX164-W.

Connections and routing

Refer to the **DX System Guide** or **SQ SLink Connectivity** documents at 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 dLive I/O screen to patch signals to and from the DX Hub. Patch to / from the I/O Port fitted with the gigaACE card which connects to the DX Hub.

Use the SQ I/O screen to patch signals to and from the DX Hub. Patch to / from the four SLink tabs, each representing a port on the DX Hub.

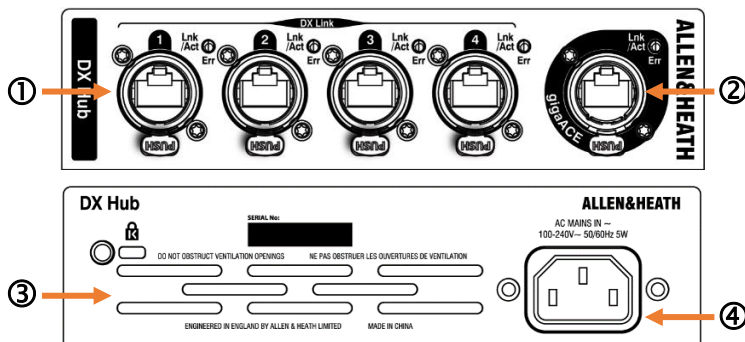
Each DX Link port on the DX Hub has 32x32 available channels:

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

Installation

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.

Front and rear panels



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

② **gigaACE** For connection to an SQ SLink port, or gigaACE card in a dLive 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. Maximum operating temperature 40°C

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

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

Register your DX Hub 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

ALLEN&HEATH

Copyright © 2018 Allen & Heath. All rights reserved.