



# ALLEN HEATH M-DL-GACE ACE Networking Card Instruction Manual

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# ALLEN&HEATH

## ALLEN HEATH M-DL-GACE ACE Networking Card



## Product Information

## Specifications

- Product Name: M-DL-GACE

- Audio Networking Option for Allen & Heath dLive I/O Port
- Provides a 128x128ch 96kHz gigaACE point-to-point link
- Uses proprietary Allen & Heath protocol for Audio and Control transport over Ethernet
- Supports cable redundancy and TCP/IP network control
- Requires touring grade CAT5e (or higher specification) cables up to 100m long
- Requires dLive firmware V1.3 or higher

## Product Usage Instructions

### Fitting the Card

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

### Setting Clock and Patching Signals

Use the dLive I/O screen to patch signals from or to the I/O Ports. Use the MixRack / Audio / Audio Sync screen to select the clock source. Set this to Internal on the master system, or to the relevant I/O Port on all other networked (clock slave) systems. For more information on dLive setup and functions, please refer to the dLive Firmware Reference Guide available for download at [www.allen-heath.com](http://www.allen-heath.com).

## FAQ

### • Q: What type of cables should I use with M-DL-GACE?

A: Use touring grade CAT5e (or higher specification) cables up to 100m long.

### • Q: What firmware version is required for M-DL-GACE?

A: M-DL-GACE requires dLive firmware V1.3 or higher.

### • Q: How do I enable the Control Network Bridge?

A: Before enabling the Control Network Bridge, ensure that all devices on the network have unique, compatible IP addresses within the same subnet.

### • Q: Where can I find the manufacturer's warranty conditions?

A: The conditions of the manufacturer's warranty can be found at [www.allen-heath.com/legal](http://www.allen-heath.com/legal).

### • Q: Does this product comply with European directives?

A: Yes, this product complies with the European Electromagnetic Compatibility directive 2014/30/EU and the European Low Voltage directive 2014/35/EU.

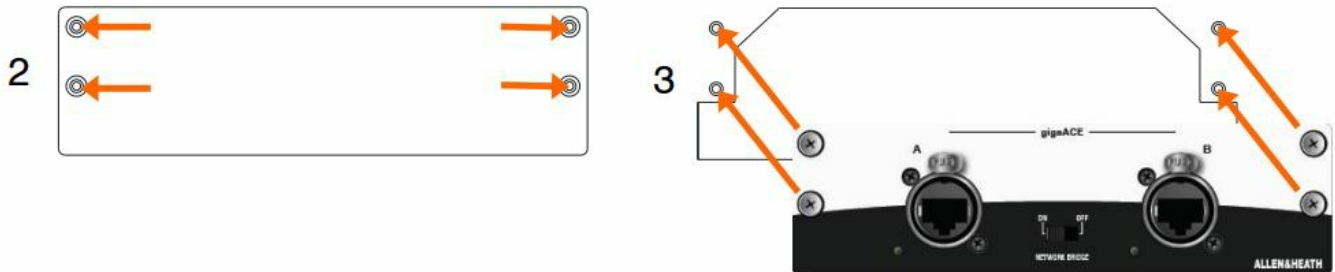
## Introduction

M-DL-GACE is one of several audio networking options that can be fitted to an Allen & Heath dLive I/O Port. It provides a 128x128ch 96kHz gigaACE point-to-point link to another dLive mixing system. gigaACE is a proprietary Allen & Heath protocol for transporting Audio and Control over Ethernet, using standard CAT cables. It allows very low latency, cable redundancy and can tunnel TCP/IP network control over the same connection.

- Use touring grade CAT5e (or higher specification) cables up to 100m long.
- M-DL-GACE requires dLive firmware V1.3 or higher.

## Fitting the card

1. Switch the system off.
2. Remove the 4 screws securing the I/O Port blank panel on the dLive MixRack or Surface.
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- For more information on dLive setup and functions please refer to the dLive Firmware Reference Guide available for download at [www.allen-heath.com](http://www.allen-heath.com)

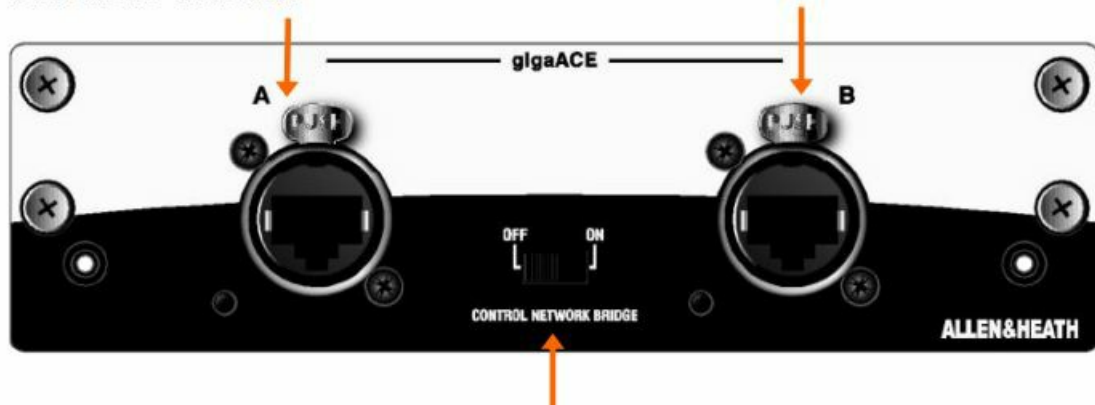
## Front panel

### gigaACE port A

Connect to the gigaACE port on the other device. The Link Status LED flashes yellow to indicate network activity, or lights red when a connection or data error is detected.

### gigaACE port B

Optional redundant backup connection.



### Control Network Bridge

Links the dLive control Network to gigaACE so that dLive control data and third party Ethernet data is tunnelled over the gigaACE connection. For example, switch this On in a digital split setup so that the same laptop running Director can control either the FoH or Monitors system.

- ⓘ Before you enable the Control Network Bridge, make sure all devices on the network have unique, compatible IP addresses within the same subnet.

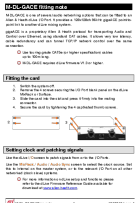
A limited one year manufacturer's warranty applies to this product, the conditions of which can be found at: [www.allen-heath.com/legal](http://www.allen-heath.com/legal).

This product complies with the European Electromagnetic Compatibility directive 2014/30/EU and the European Low Voltage directive 2014/35/EU.

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## Documents / Resources

	<p><a href="#">ALLEN HEATH M-DL-GACE ACE Networking Card</a> [pdf] Instruction Manual M-DL-GACE, M-DL-GACE ACE Networking Card, ACE Networking Card, Networking Card, Card</p>
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## References

- [& Allen & Heath - Heard Everywhere](#)

- [& Allen & Heath - Heard Everywhere](#)
- [& Legal - Allen & Heath](#)
- [User Manual](#)

Manuals+.