

# SQ MADI Option Card

**M-SQ-MADI-A** is one of several audio networking options that can be fitted to an Allen & Heath SQ mixer. It provides 64x64ch of 48/96kHz AES MADI (AES10) over coaxial BNC.

- ❗ SQ MADI requires SQ Firmware V1.5.2 or later.
- ❗ To avoid damage to the BNC sockets, plug and unplug any cable with care and make sure the cables are terminated with standard BNC connectors (IEC 60169-8).

## Fitting the card

1. Switch the system off.
2. Use a Torx T8 driver to remove the 2 screws securing the I/O Port blank panel to the SQ mixer.
3. Slide the card into the slot and press it firmly into the mating connector.
4. Refit the 2 screws to secure the card.

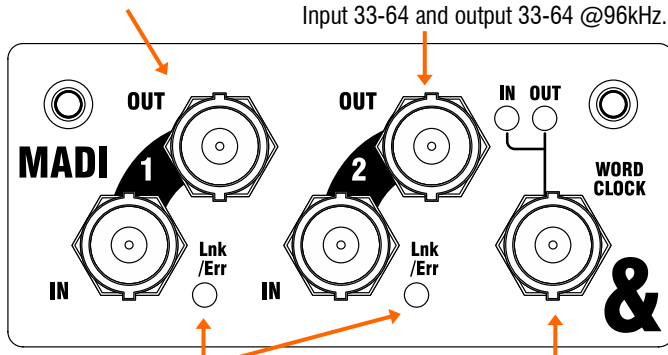
## Front panel

### Link 1

BNC connectors for 75ohm coaxial cables up to 150m. It gives access to:  
Input 1-64, output 1-64 @48kHz  
Input 1-32, output 1-32 @96kHz

### Link 2

Can be configured as a Link 1 redundant connection or as a second MADI port. With Redundancy off, it gives access to:  
Output 1-64 @48kHz.  
Input 33-64 and output 33-64 @96kHz.



**Lnk/Err** flashes yellow to indicate network activity. Illuminates red when a connection or data error is detected.

**Word clock** Configurable as Word clock input or output. The LED indicates current mode.

## Card setup and patching signals

Synchronising the SQ to a MADI clock source is a two-step process:

1. Select the clock source for the mixer in the **Setup / Audio / Audio Sync** screen. Typically, this is set to internal, but select I/O Port to sync to the fitted option card.
2. Select the clock source for the MADI card in the **Setup / Audio / I/O Port** screen. Either the wordclock input or a link input can be chosen.

Use the **Setup / Audio / I/O Port** screen to set the sample rate, sync source and redundancy mode for the MADI card.

Use the SQ **I/O** screen to patch signals to or from the I/O Port.

- ① For more information on SQ setup and functions please refer to the latest SQ Firmware Reference Guide available for download from [www.allen-heath.com](http://www.allen-heath.com).

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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