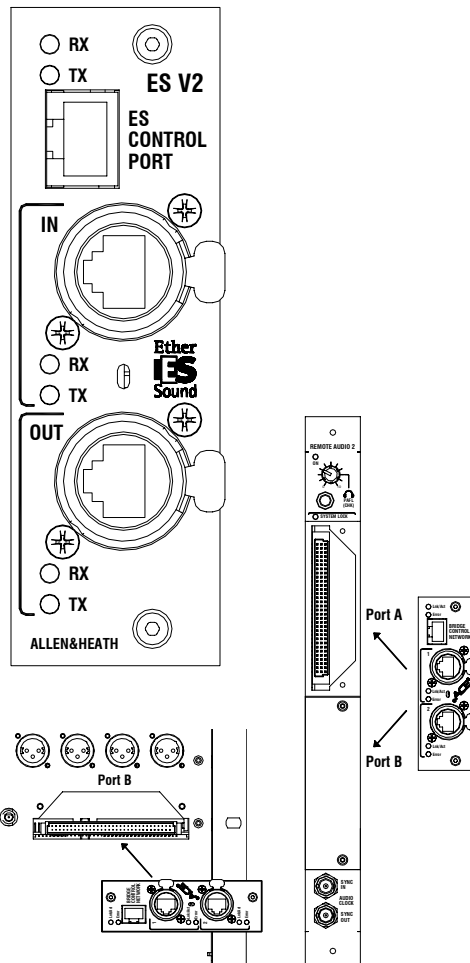


### Instructions

Part number **M-ES-V2-A**



**Note** For firmware **V1.5** this option is not supported in the iLive Surface RAB2 module Port B. The only option supported in this location is the **MMO** module (ADAT, iDR link).

**M-ES-V2** is one of several plug-in card options that may be fitted to the iLive Series. It houses the **Auvitran AVDM** card to provide a multi channel digital audio network that can link iLive MixRacks and Surfaces, transport and split signals between systems and distribute audio around a venue using CAT5 cables.

**Note 1** To fit to the iDR10 and iLive Surfaces, the Remote Audio 2 (**RAB2**) module is required. Systems fitted with the earlier Remote Audio modules may be upgraded by replacing them with RAB2.

**Note 2** **M-ES-V2** is compatible with **EtherSound** built into the earlier iLive system Remote Audio modules. The older **Auvitran AVD** cards can be reused in the newer Remote Audio 2 (**RAB2**) modules by fitting them to a carrier frame kit, part number **M-ES-V1-BASE**. The AVD cards can not be used in the iDR-32 or 48 Port B slot.

**EtherSound** is an industry standard, low latency digital audio networking system using off-the-shelf Ethernet components and invented by **Digigram**. It transports 64 channels of bi-directional audio over CAT5 cable. To find out more about setting up and using EtherSound refer to the Digigram and EtherSound web sites.

**Cables** CAT5E cable up to 100m (330') may be used depending on cable type. Refer to the Digigram web site for approved cable types and their maximum tested lengths. We recommend you use tour grade cable fitted with locking RJ45 connectors. Allen & Heath can supply an 80m drum of **Neutrik** EtherFlex cable fitted with EtherCon connectors, part number **AH7000**.

**RX/TX** Both flash to indicate that the network is linked and active.

**ES CONTROL PORT** Use this port to connect a laptop running the **Auvitran EtherSound Monitor** application. This lets you check and set up the network routing and parameters. For standard operation with iLive it is not usually necessary to access these settings.

**IN** and **OUT** A single cable connects EtherSound between two devices. Connect **OUT** of the master device to **IN** of the slave device. Do not connect two cables. IN and OUT relates to clock master, not audio in and out. The single cable carries both input and output signals (64 channels each way).

### Fitting the card

Make sure the system is switched off. Remove the 2 screws securing the blank panel over Port A (MixRack or Surface) or Port B (MixRack only). Slide the **M-ES-V2** card into the slot and press it firmly into the mating connector. Secure the card in place using the 2 screws. Power the system up. The card is recognised by the system and its status displayed on the Surface screen Status page.

**Assigning the audio** Use the Surface or Editor **OUTPUTS** page to assign sources and destinations for the EtherSound channels.

**CE** This product complies with the European Electromagnetic Compatibility directives 89/336/EEC & 92/31/EEC.

**NOTE:** Any changes or modifications to the equipment not approved by Allen & Heath could void the compliance of the equipment. Whilst we believe the information in this guide to be reliable we do not assume responsibility for inaccuracies. We also reserve the right to make changes in the interest of further product development.

### IMPORTANT :

**▲ Do not install the equipment where it is subject to moisture, heat or vibration.**

**▲ Connect only to the EtherSound port on other equipment.**

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