

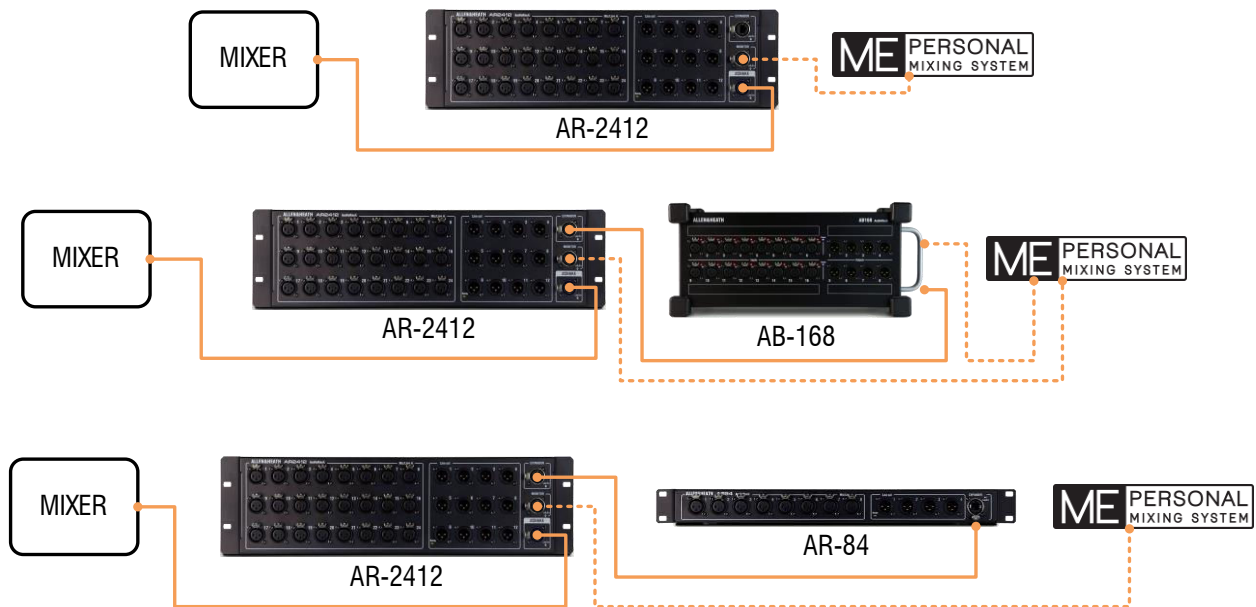
AR2412

Getting Started Guide

The **AR2412** is a 19" rack mountable remote audio unit for all Allen & Heath digital mixing systems compatible with the dSnake protocol. It provides 24 remote controlled mic/line preamps and 12 XLR line outputs.

Using a single network cable, the **AR2412** can be connected directly to the mixer, the expansion port then allows a cascaded (daisy-chain) connection to an **AB168** or **AR84**.

A **ME** personal monitoring system can also be connected to the dedicated **Monitor** port provided or a cascaded **AB168**.



ⓘ A maximum of two dSnake remote units can be connected to each mixer's dSnake port.

The **AR2412** is used to increase the number of I/O sockets in a system and position both sockets and AD/DA conversion close to the source/stage. It will not increase the number of processing channels available in the system and must be connected to a mixer where the audio can be processed and routed.

Compatibility and Cable

The **AR2412** uses the 48kHz dSnake protocol, which is a layer 2, fast ethernet protocol designed for point-to-point connections. This means it can be connected to the dedicated dSnake ports included on the **GLD** and **Qu** systems or used with the intelligent SLink port which can switch to a dSnake mode.

Refer to the latest documentation for your mixer available from www.allen-heath.com for more information on connecting, patching, and controlling the **AR2412** with your system.

Cat5e (or higher) STP (**Shielded Twisted Pair**) cable should be used, with a maximum cable length of 100m (330ft) between each unit. Use of passive couplers to join cables will reduce this distance.

High-quality touring grade cables are available through your A&H dealer. Please see www.allen-heath.com/ahproducts/cat5/ for more details.

Connection, Automatic firmware matching and LED behaviour

When powered, the 'Power On' LED near to the mains power connection will illuminate.

On connection to a mixer, the **AR2412** will automatically check and match its firmware to the mixer model and mixer firmware version.

If an update to firmware is required, it will happen automatically. This may take up to 2 minutes to complete. During an update, the port 'Lnk/Err' LED will flash red and once the update is complete, the **AR2412** will automatically reboot.

When running the correct firmware and connected to a mixer, the 'Lnk/Err' LED next to the dSnake port will flash yellow to show link activity and the 'Ready' LED on the front panel will illuminate.

AR2412 Front Panel Layout



- ① **Input sockets** 24 balanced XLR mic/line inputs. The preamps are built into the **AR2412** and their Gain, Pad and 48V phantom power are controlled remotely from the mixer via the dSNAKE link. Refer to mixer documentation for information on patching these sockets to input channels or other destinations in the system.
- ② **Output sockets** 12 balanced XLR outputs operating at nominal +4dBu line level. Refer to mixer documentation for information on patching output signals to these sockets.
- ③ **dSNAKE port** EtherCon/RJ45 socket to connect directly to the mixer. This carries inputs, outputs and **ME/monitor** sends to and from the **AR2412** as well as preamp control and system status messages.
- ④ **EXPANDER port** EtherCon/RJ45 socket to connect a **ME/monitor** system.
- ⑤ **EXPANDER port** EtherCon/RJ45 socket to connect an **AB168**, an **AR84** or a **ME/monitor** system.

ⓘ EtherCon locking connectors are recommended to prevent damage to cables or ports and avoid accidental disconnection.

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 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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