

TECHNICAL NOTE

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ALL NETWORKED PRODUCTS

DiGiCo NETWORK RECOMMENDATIONS

Networking is an integral part of both DiGiCo and 4REA4 systems. Our products are often the heart of mission-critical real time audio systems and as such, careful consideration must be made on how audio and control over standard IP infrastructure is handled and implemented.

Modern AoIP (Audio over IP) networks deliver high channel count, high resolution, low latency audio as part of integrated console systems, and the performance and reliability of these networks is critical in live applications. These guidelines are designed to ensure that any network implemented as part of a DiGiCo audio system performs to specification and that all risks to performance are mitigated as much as possible.

Whilst DiGiCo products take advantage of standard networking hardware and infrastructure, we strongly recommend that all console-related AoIP and control networking systems are configured as a private, physically separated network and not combined onto a mixed use network. The delivery of audio and control data across a network is time critical, and we cannot guarantee performance or results when mixed with non-audio traffic.

When choosing network switches, you should follow recommendations relating to each specific protocol. If multiple switches are required, you should ensure that all switches are the same make and model.

If wireless control is required, a dedicated wireless access point should be used and connected directly to the console network system.

If you need to implement an audio or control network that falls outside of these guidelines, or need additional technical information on networking within a DiGiCo system, then you should liaise with DiGiCo support or your local DiGiCo representative before implementing the solution.