RAVENNA Network for Multiple Studios with a Shared Live Room
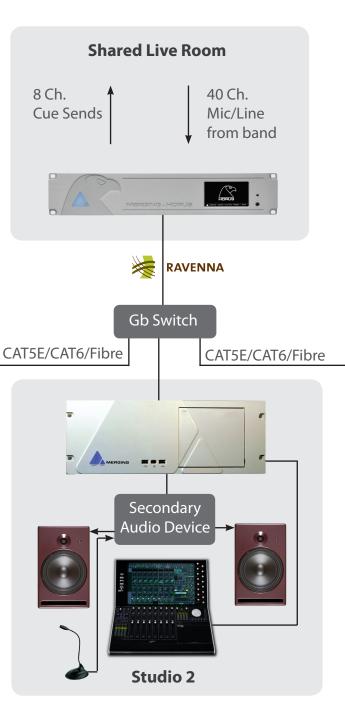
Description

This workflow example shows how best to connect 3 Pyramix suites to a single, shared live room.

The RAVENNA streams pass from the Horus into the Gb LAN switch and can then be accessed by any of the suites. As the control for the Mic-Pre Amps in the Horus is over the same Network connection as the RAVENNA stream, it means that only one cable needs to go to the live room.

In each control room, monitoring is achieved by using the "Secondary Audio Device Router" in Pyramix. This allows a locally connected Audio interface to be used for multichannel monitoring as well as talkback to the musicians in the live room. It does this by bridging the Secondary Audio device into the RAVENNA network so that all of this routing can happen transparently in the Pyramix Monitoring section.

Control over the Pyramix is made with a second network connection to the Tango2 control surface.

It is also important to note that the RAVENNA connection will also allow for signal to be easily and instantly shared from control to control room as well, as any interconnections is possible over the RAVENNA network.

Shared Live Room

8 Ch. Cue Sends

40 Ch. Mic/Line from band

RAVENNA

Gb Switch

CAT5E/CAT6/Fibre   CAT5E/CAT6/Fibre

Live Room Equipment

IOC-HORUS with
- 5xAD8P Premium AD cards with Mic/Line (40 Channels)
- 1xDA8P Premium DA Line Output Card (8 Channels)

Studio Equipment:
- MassCore Pyramix (could be Native as well)
- PSI A215M Near Field Monitors
- Tango2 Control interface using Oasis Protocol
- Talkback Microphone

Secondary Audio Device

Secondary Audio Device

Secondary Audio Device

Studio 1   **Studio 2**   **Studio 3**