

# RAVENNA Network For Mix/Record and Live transmission of multichannel performance

## Stage Equipment

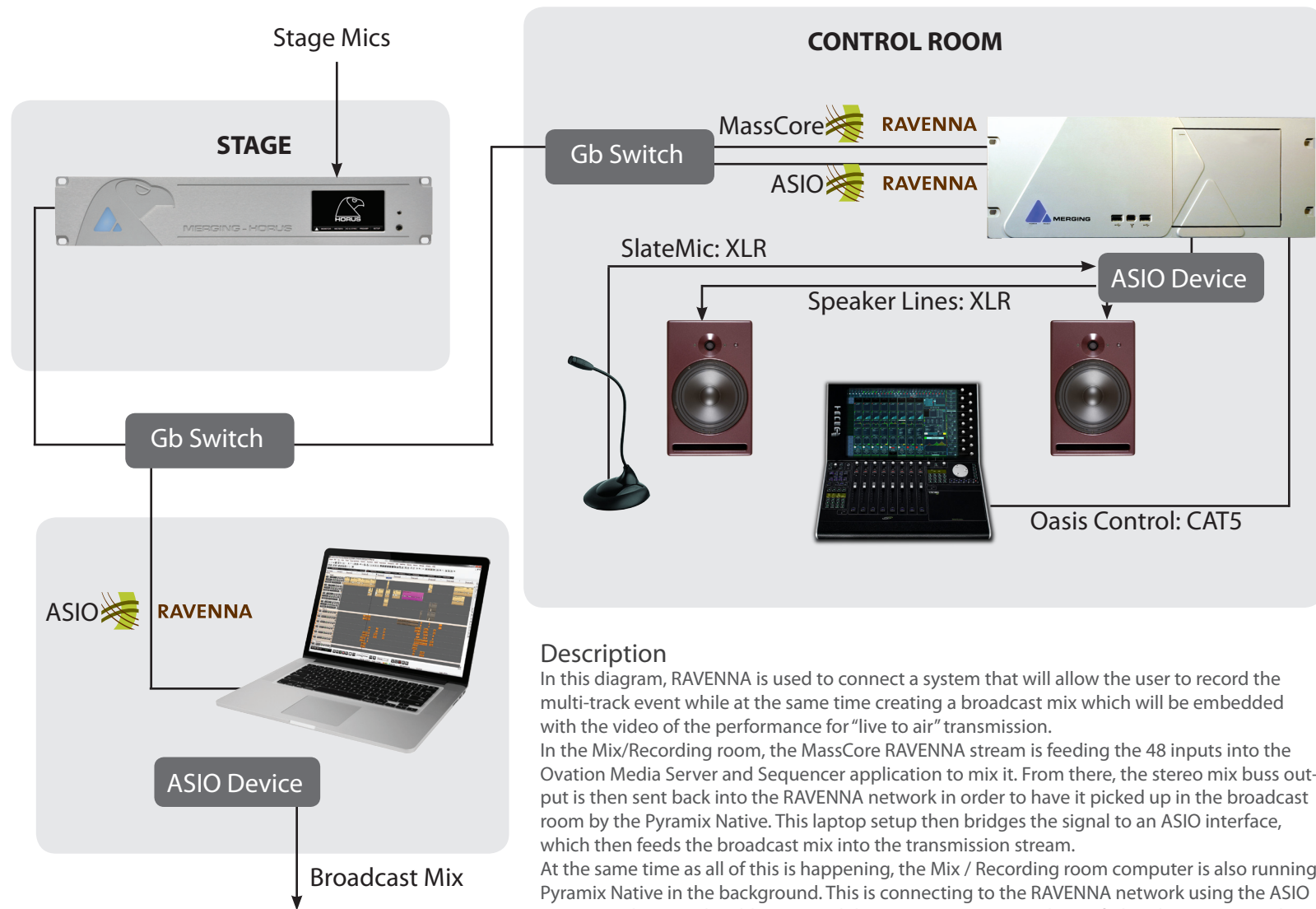
- 1xIOC-HORUS with a total of
- 6xAD8P Premium AD cards (48 Channels)
  - 1x DA8 Standard DA card (swap out card for one of the AD cards to provide a 40/8 configuration if needed)

## Mix/Recording Room

- MassCore Ovation Mix / Payout Engine
- Pyramix Native Recorder on same computer
- PSI A215M reference monitors
- Tango2 Control surface
- Secondary Audio Device over USB/PCIe
- Talkback Microphone

## Broadcast Room

- Pyramix Native Music Pack
- MacAir Running Window7 64bit/Bootcamp
  - ASIO RAVENNA Driver
  - Secondary ASIO Device (USB)



## Description

In this diagram, RAVENNA is used to connect a system that will allow the user to record the multi-track event while at the same time creating a broadcast mix which will be embedded with the video of the performance for "live to air" transmission.

In the Mix/Recording room, the MassCore RAVENNA stream is feeding the 48 inputs into the Ovation Media Server and Sequencer application to mix it. From there, the stereo mix buss output is then sent back into the RAVENNA network in order to have it picked up in the broadcast room by the Pyramix Native. This laptop setup then bridges the signal to an ASIO interface, which then feeds the broadcast mix into the transmission stream.

At the same time as all of this is happening, the Mix / Recording room computer is also running Pyramix Native in the background. This is connecting to the RAVENNA network using the ASIO RAVENNA driver and is able to record the same streams as are being fed to the Ovation without having to create a direct connection between the two applications.

The second GB switch that is in the Mix/Recording room is there for a future expansion where a redundant recorder could be put in place by simply plugging into the switch.