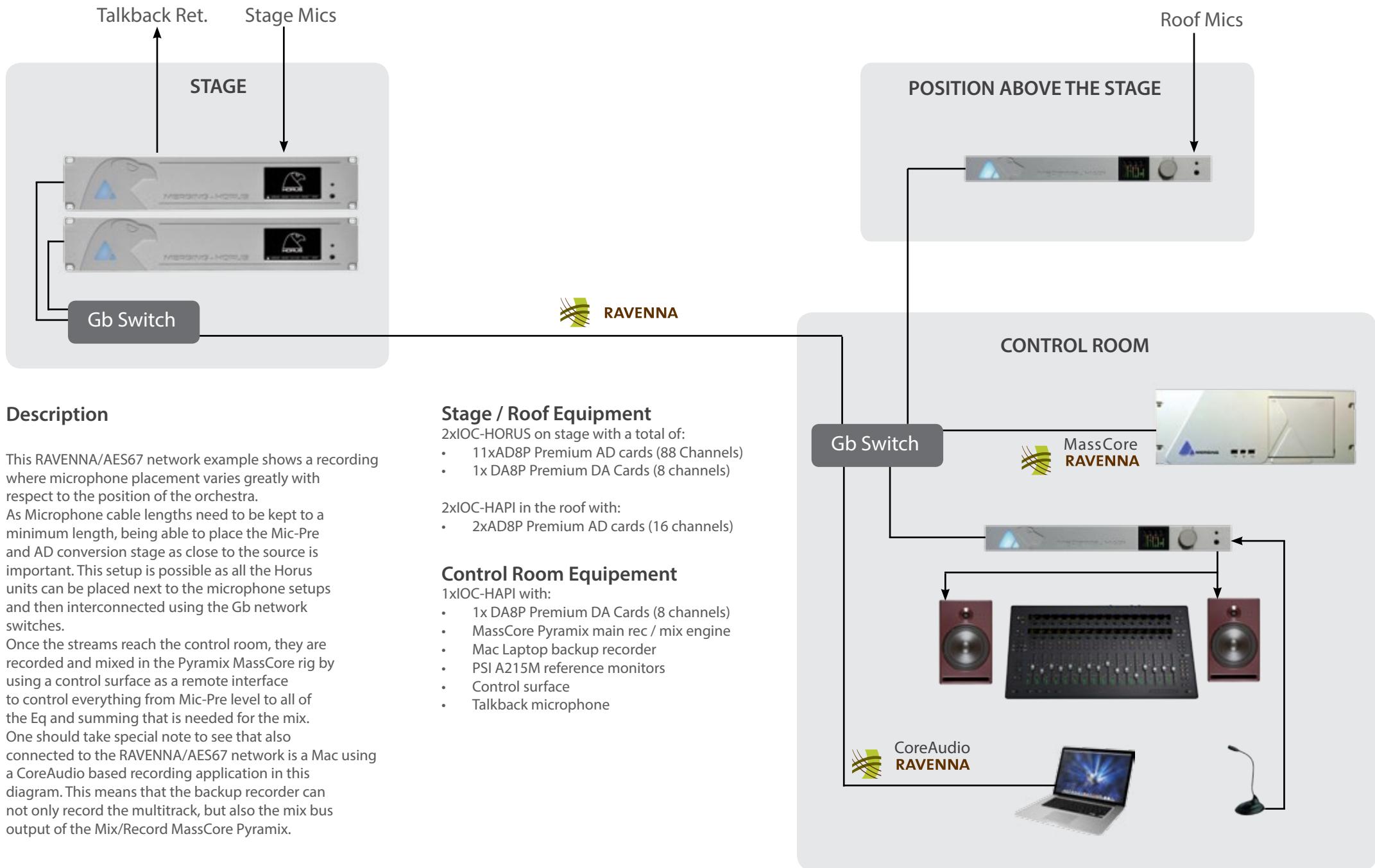


# Solution: RAVENNA Network for Live Performance



## Description

This RAVENNA/AES67 network example shows a recording where microphone placement varies greatly with respect to the position of the orchestra.

As Microphone cable lengths need to be kept to a minimum length, being able to place the Mic-Pre and AD conversion stage as close to the source is important. This setup is possible as all the Horus units can be placed next to the microphone setups and then interconnected using the Gb network switches.

Once the streams reach the control room, they are recorded and mixed in the Pyramix MassCore rig by using a control surface as a remote interface to control everything from Mic-Pre level to all of the Eq and summing that is needed for the mix. One should take special note to see that also connected to the RAVENNA/AES67 network is a Mac using a CoreAudio based recording application in this diagram. This means that the backup recorder can not only record the multitrack, but also the mix bus output of the Mix/Record MassCore Pyramix.

## Stage / Roof Equipment

2xIOE-HORUS on stage with a total of:

- 11xAD8P Premium AD cards (88 Channels)
- 1x DA8P Premium DA Cards (8 channels)

2xIOE-HAPI in the roof with:

- 2xAD8P Premium AD cards (16 channels)

## Control Room Equipment

1xIOE-HAPI with:

- 1x DA8P Premium DA Cards (8 channels)
- MassCore Pyramix main rec / mix engine
- Mac Laptop backup recorder
- PSI A215M reference monitors
- Control surface
- Talkback microphone