



Introduction

The Royal Theater of Carré, originally built as a circus theater in 1887, is located in Amsterdam near the river the Amstel. The amphitheater style hall is designed to accommodate approximately 1750 people depending on the seat layout.

Taking into account the vast diversity of the theater's programming, the sound system has been designed to suit as many applications as possible. A maximum sound pressure level of 103dB(A) LEQ 15 in accordance to Dutch law applies, however no limiters are installed to enforce this. A system engineer with in-depth knowledge of the system will be present during build-up, show and break-down.

Proscenium stage and semi-seated setups

In addition to our regular seating plan a semi seated setup is possible. In this setup, all seats in the stalls are removed and the whole stalls floor is lowered to street level to allow for pitches.

Main System

The main system in the theater hall of Carré is L'Acoustics. The system is powered by LA4X and LA8 amplifiers, and managed by the L'Acoustics LA Network manager. In the appendix, you will find a 3D visualization of the system. These are the specs:

Function	Left	Right	Centre	Sends
Main array	12 x KARAI	12 x KARAI		2
Sub SB28			4 x SB28	1
Ground fill	5 x KIVA II + SB15	5 x KIVA II + SB15		2
Outfill up	1 x 115XT HiQ	1 x 115XT HiQ		1
Outfill down X15	1 x X15	1 x X15		1
Delay			5 x ARCS	1
Frontfills			4 x 5XT	1

PA Control and infrastructure

The system can be controlled from various positions in the theater including, but not limited to, FOH, stage left and stage right. Both digital (AES/EBU) and analog signals can be used to control the system. Various control configurations are possible; up to 12 channels can be used to control the PA. The central patchrack is located stage right. Here all the infrastructure comes together and can be used or patched as tie-lines. The following wiring is provided on stage and the FOH position.

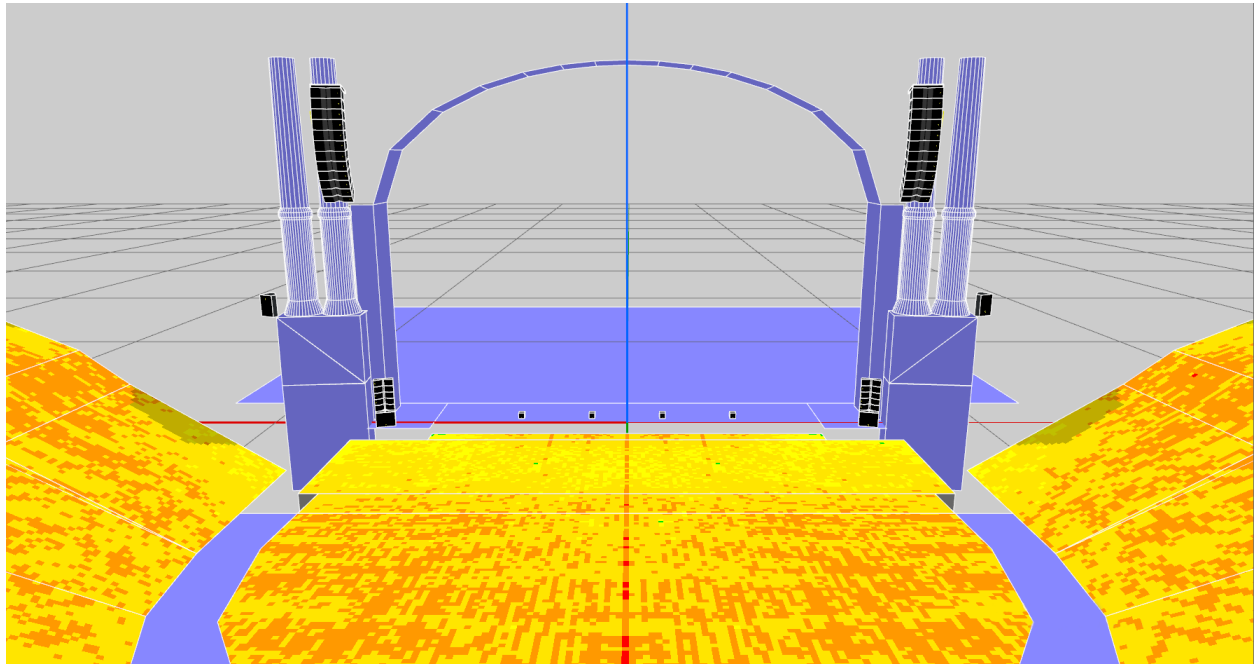
- Audio (12 x analog, 12 x AES)
- Data (4 x CAT5e)

Communication

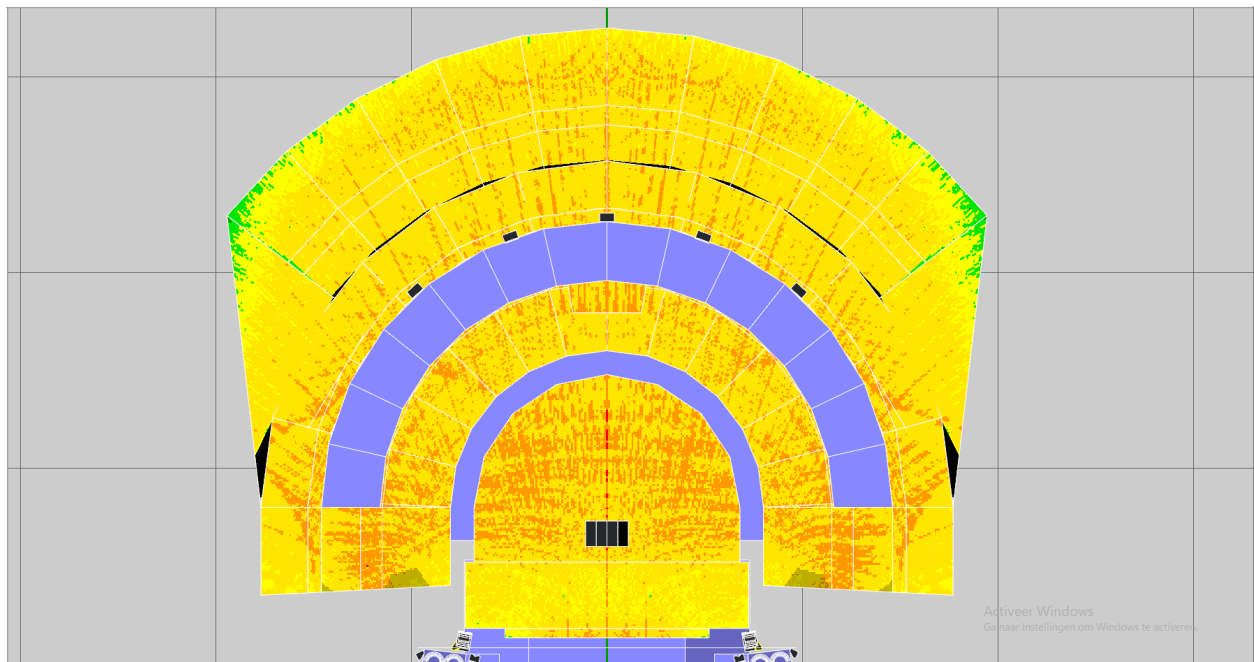
Both wireless and wired intercom systems are available and interconnected. 7 Clear-Com wireless belt packs are available for guest use and numerous wired intercom positions and belt packs are disposable.

Appendix

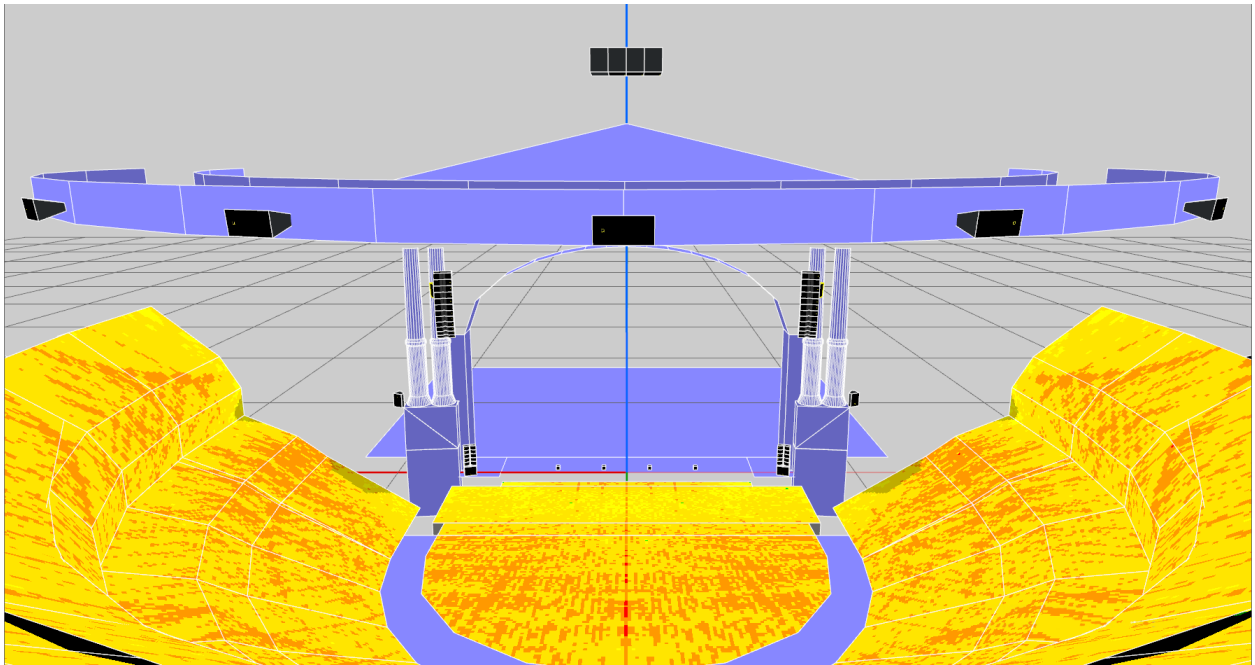
Full view (proscenium stage)



Top view



Delay view



Top view (Sub)

