

## Index

<i>1 Introduction</i>	<i>2</i>
<i>2 Main Loudspeakersystem</i>	<i>2</i>
<i>3 System signal processing and routing</i>	<i>3</i>
<i>5 Intercom</i>	<i>3</i>
<i>6 Appendix</i>	<i>4</i>

## 1 Introduction

In this document you'll find the system specification of the audio installation in the Theater Hall of Royal Theater Carré in Amsterdam.

At this moment the realisation of this project is in progress. It will be a fixed installation, with the main system is left, centre, right in a rail system. This railsystem can move the left- and right array to two different positions: Position 1 is close to the proscenium, position 2 is about 2 meters to the front, above a second stage in the audience. The centre array can be moved from position 1: close to the proscenium pos 2: two meters to the front, pos 3: centre of the hall.

The total audio installation is designed by Ron Zevenhoven, owner of ISO-Audio. This is also your contact for audio-, video- and communication related installations:

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## 2 Main Loudspeakersystem

The main system in the theater hall of Carré is L-Acoustics, designed by certified L-Acoustics engineer, mr. Paul van Baasbank.

In the appendix you'll find 3-D visualisations of the total system. These are the specs:

array left:	12 x	Modular WST line source/KARAI (incl. outfill high performance coaxial 115XT HiQ)
array center:	8 x	Constant curvature WST Line Source/ARCS Wide
array right:	12 x	Modular WST line source/KARAI (incl. outfill high performance coaxial 115XT HiQ)
sub left:	2 x	High-power subwoofer SB28
sub center:	3 x	High power compact subwoofer SB18i (center sub array)
sub right:	2 x	High-power subwoofer SB28
Left stage infill:	1 x	high performance coaxial 115XT HiQ
outfill:	1 x	high performance coaxial 12XT
Right stage infill:	1 x	high performance coaxial 115XT HiQ
outfill:	1 x	high performance coaxial 12XT
Delay Line in two times:	4 x	high performance coaxial 12XT
Frontfills main stage:	4 x	Ultra-compact coaxial enclosure 5XT
Frontfills second stage:	4 x	Ultra-compact coaxial enclosure 5XT

The total system is powered by LA4 and LA8 amplifiers, and are managed by the LA Network manager from L-Acoustics.

### *3 System signal processing and routing*

There are 3 Lake LM44's included in the system, which are available for EQ and routing, to be used by the system engineer.

To connect guest equipment with this system, you have the following input options:

- Analog
- Digital AES/EBU

### *4 Infrastructure audio/video/data*

The central patchrack is located on 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:

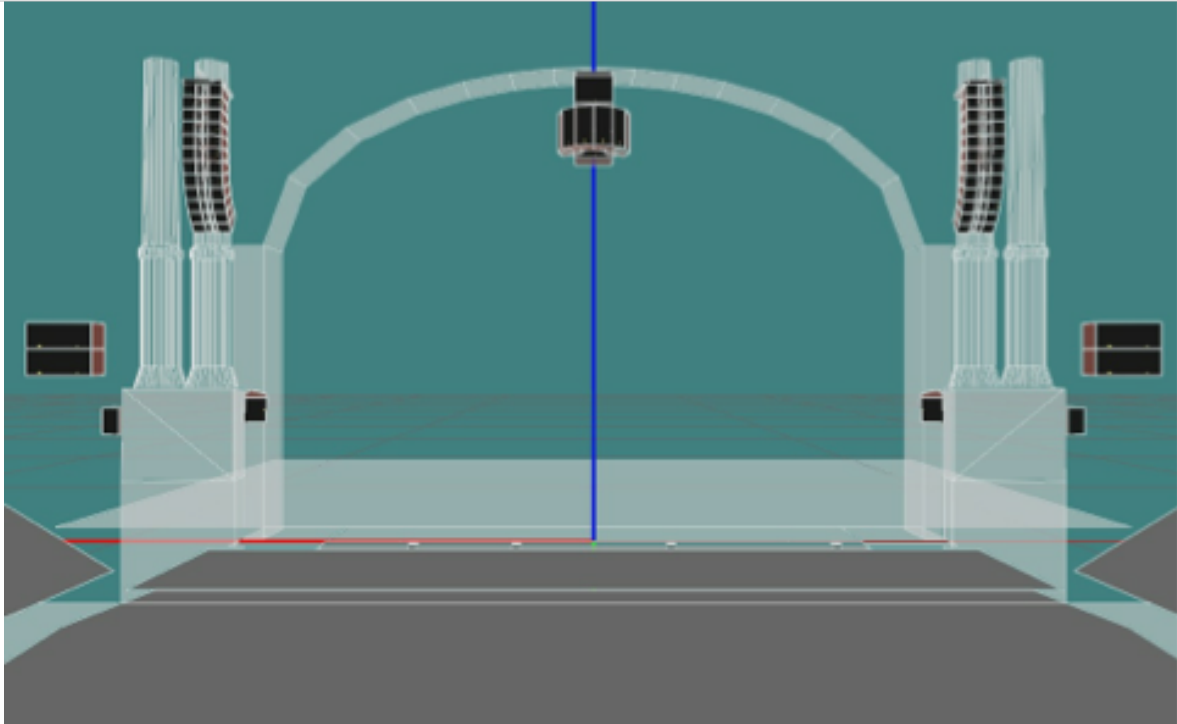
- Audio
- Video
- Data CAT5e

### *5 Intercom*

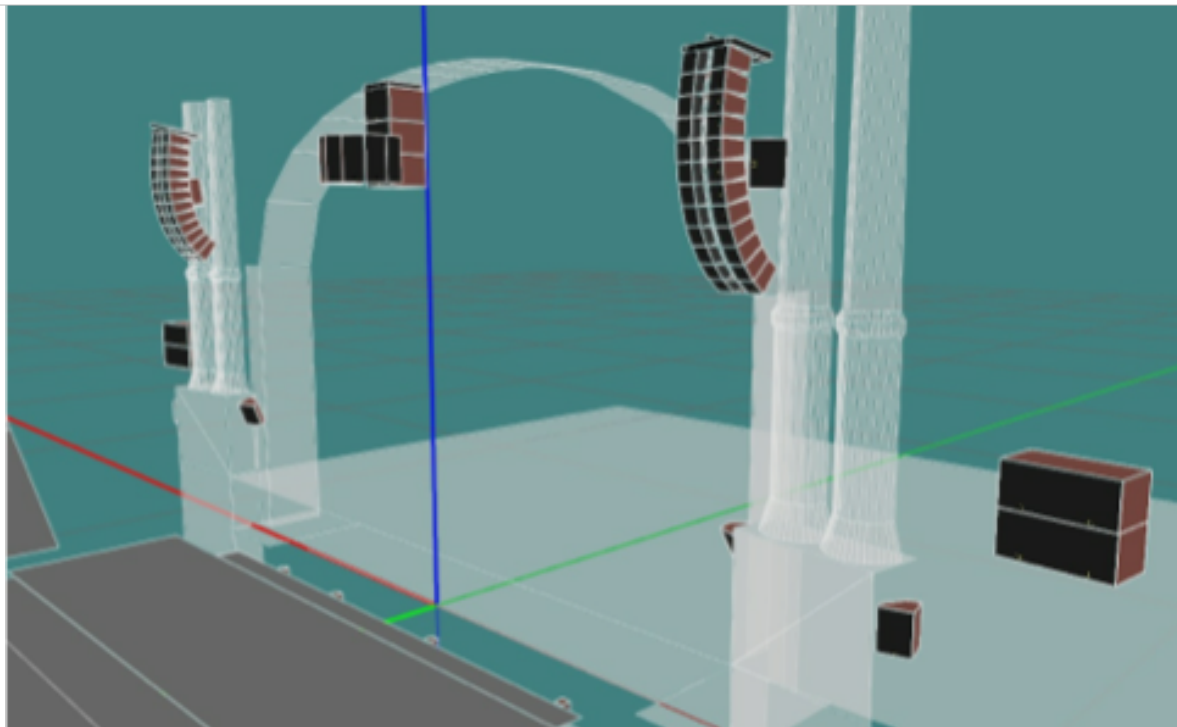
The intercom system is a Clear-Com Partyline system, with a main power supply and the RM-404 Remote Station. The infrastructure has 4 channels ClearCom partylines.

## 6 Appendix

Visualisation L-Acoustics system Frontview



Visualisation L-Acoustics system Proscenium sideview



Visualisation L-Acoustics system 2nd stage sideview

