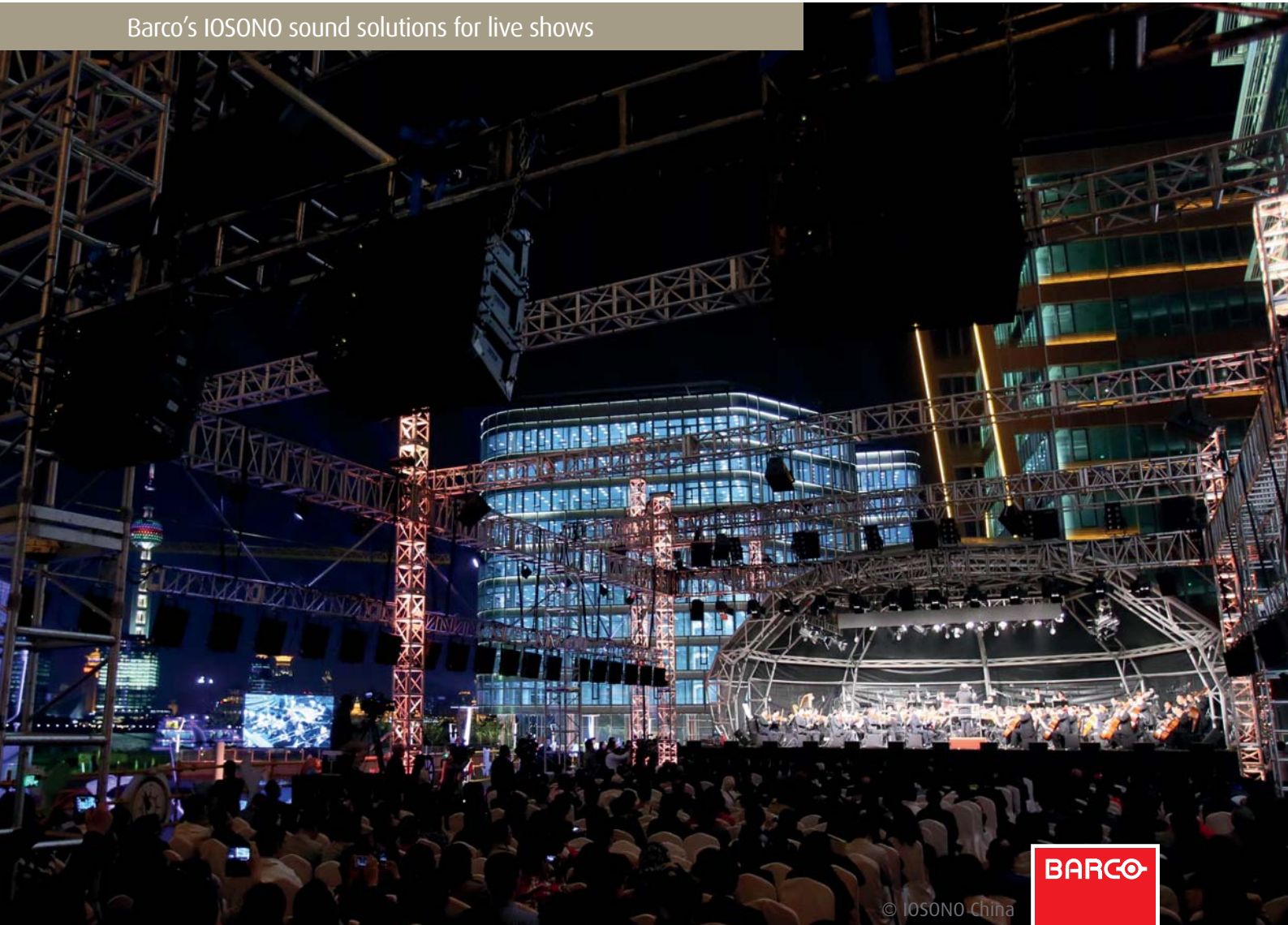


North bund concert

Shanghai, China, October 2013

Barco's IOSONO sound solutions for live shows



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About

The Shanghai Symphony Orchestra, along with support of the Shanghai Municipal and Hongkou District offices, performed China's first IOSONO immersive sound outdoor concert of European and Chinese classical pieces. The waterfront location had a stunning view of the Shanghai skyline and was held on a staging area constructed specifically for this one time event.

A 90 piece orchestra was reinforced using a 86.3 IOSONO wave field synthesis system configured to make every seat in the 650 person audience have a proper spatial presentation. Besides speakers above the orchestra, additional speakers surrounding the audience and overhead added reverberation in this concert hall without walls.

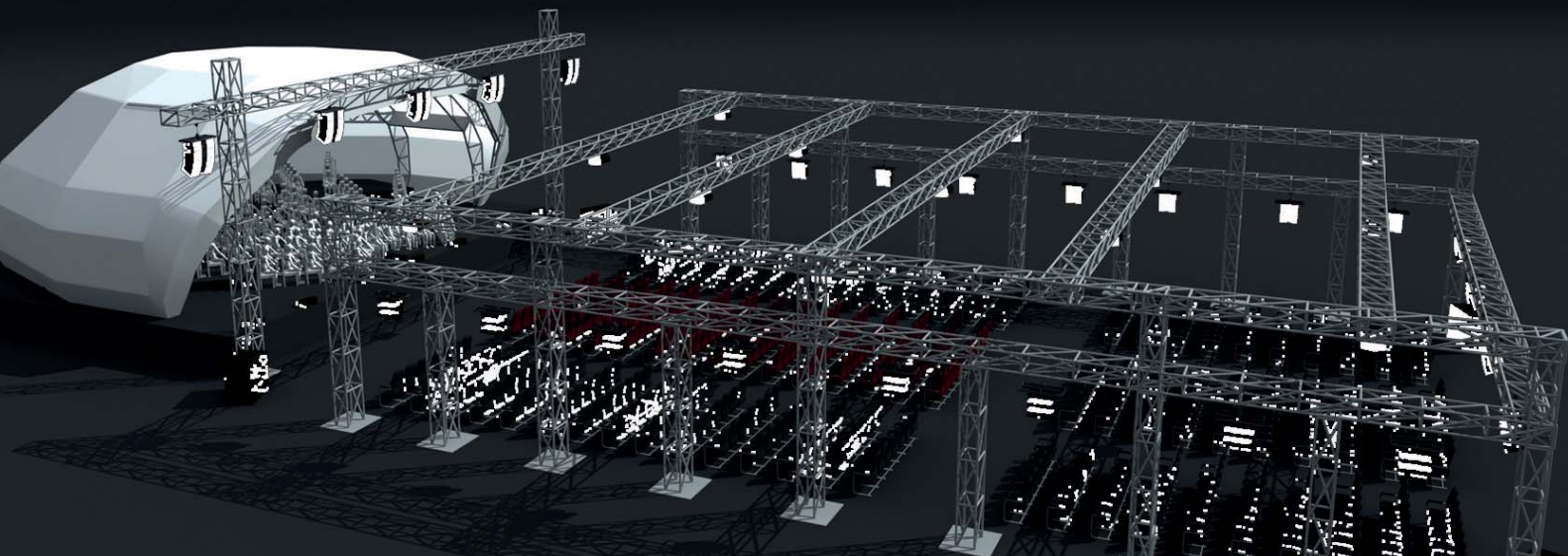
Technical specification

Stage area (WxD): 15m x 15m
Listening area (WxD): 17m x 40m

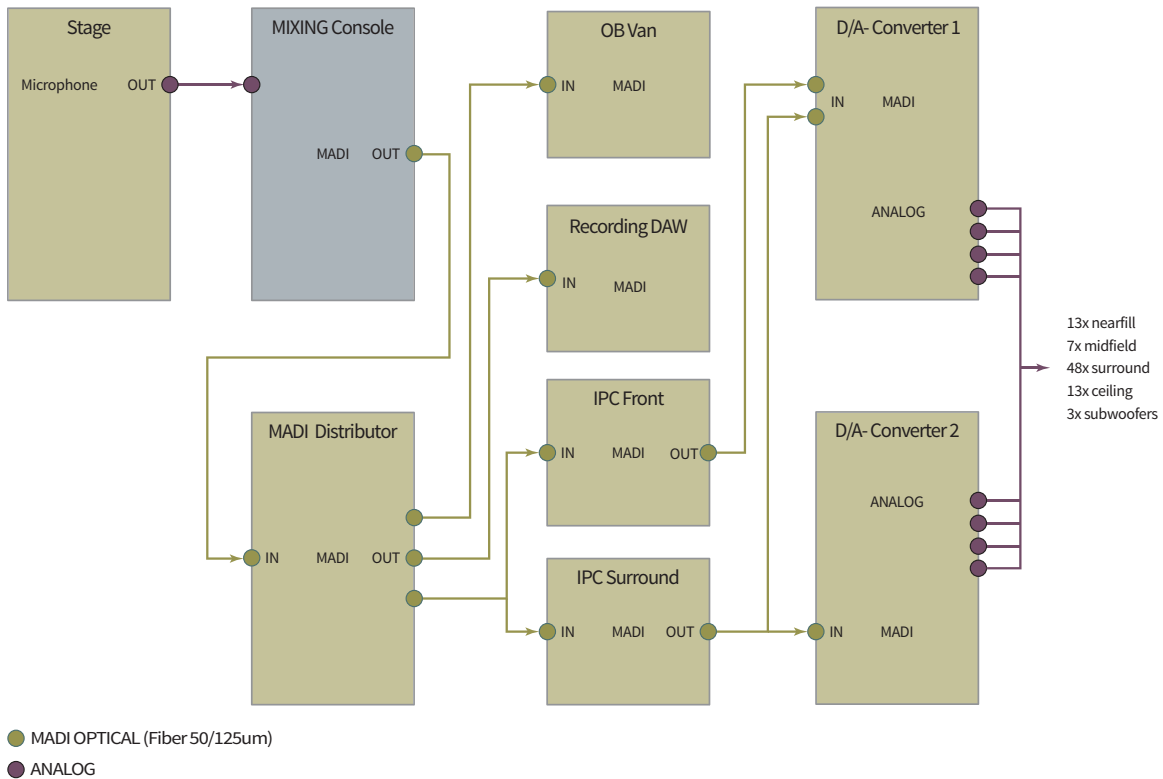
Processor: 2x IOSONO Spatial Audio Processor IPC100

- 7 main array**
type: meyersound M'elodies
- 11 near fills**
type: meyersound Mina
- 51 speakers in a U-shape**
type left/right: meyersound UPA-1P type rear: meyersound M'elodies
- 15 ceiling speakers**
type: meyersound UP1-1P
- 8 subwoofers array**
type: meyersound LFC-1000

Simple system sketch



Signal flow chart



Impressions



Watch the whole video: <http://bitly/shanghai-video>

Special feature

- reverberation simulation
- real time WFS
- ceiling speakers
- audience size: 650
- broadcasted on Shanghai Art Channel



„It’s hard to hold outdoor concerts, for there are many risks, like the weather. But this concert turned out great and the sound quality was excellent.“

Liu Wenguo

Director of China Shanghai International Arts Festival



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