Tel Aviv Culture Center – Zucker Hall
Specification for Sound and Multimedia Systems

Sound

A system manufactured by L-ACOUSTICS, including**:**

	Description	Qty	Model	Notes
1	Main loudspeakers L-R	16	KIVA 2	8 on each side
2	Sub-speaker, suspended	4	SB15M	2 on each side
3	Sub-speaker, floor mounted	4	SB18	2 on each side
4	Loudspeaker – Front Fill	4	X8	
5	12" monitor loudspeaker	6	X12	
6	Matched amplifiers and processors	3,3	LA8, LA4x	Per guidelines and instructions of the speaker manufacturer
7	15" loudspeaker, amplified	2	JBL PRX800	
8	Digital mixer	1	DiGiCo QUANTUM 225	
9	Stage boxes	1	DiGiCo SD-RACK 64*32	

Bass Guitar Amplifier

MARKBASS bass amplifier head
Model: LITTLE MARK TUBE 800

Two loudspeakers (12") for the amplifier, made by MARKBASS.
Model: NEW YORK 121

Electrical Guitar Amplifier

Tube type amplifier, by FENDER
Model: HOT ROD DLX IV BK

Screening, Projection

- Roll-up screen, dimensions: 800 cm width, 400 cm height
- DCP Projector
- Roll-up screen, dimensions: 550 cm width, 350 cm height
- SONY projector, ANSI 6000, resolution 1920/1080
- Routing system by AMX, controlled by a control system providing for projection from the stage or from a control position as requested by customer.

CCTV

PTZ stage camera, transmitting to a screen located in a green room.

System for Hard of Hearing Persons

4 IR projectors, by SENNHEISER

Internal Communication System

2 CLEAR COM line units

Stage Equipment – Provided only per Prior Coordination*

	Stage Equipment	QTY	Model
1	Dynamic microphone for vocalization	5	SHURE SM58
2	Dynamic microphone for instruments	4	SHURE SM57
3	Dynamic microphone for instruments (parallel to SM57)	4	AUDIX I5
4	External microphone for foot drum (parallel to AKG112)	1	AUDIX D6
5	Dynamic microphone for drums	2	AUDIX D2
6	Condenser microphone	6	AKG C451
7	PZM condenser microphone	1	E 901 SENNHEISER
8	Wireless microphone**	1	SHURE QlXD SM58
9	Wireless Madonna microphone**	1	SHURE WL 184
10	Wireless lapel microphone**	1	MIPRO
11	Wireless microphone***	2	ULXD BETA 58
12	Wireless microphone***	2	ULXD SM58
13	Lapel microphone***	2	TWINPEX
14	Madonna microphone***	2	MTQG
15	In-ear monitor	8	EW IEM GA-A1
16	Active direct connection (DI)	7	BSS 103
17	Active direct connection (DI)	5	PROTEL
18	Stand for regular microphone	15	K&M 210/9
19	Stand for low microphone	4	PROTEL / K&M

*   In the event that additional equipment will be required beyond the above, these will be priced separately.

**   The wireless microphone (8) or the Madonna (9, 10) will be operable, but not both simultaneously.

*** The wireless microphone (11,12) or the Madonna (12, 13) will be operable. It is possible to operate up to 4 units at the same time, and to choose the type of microphone.

Playing Instruments

Concert Level Pleyel Piano

Set of DW Collector Drums

Drummer responsibility: snare, cymbals and drumsticks bag.

- 22 x 18 in Bass Drum
- 10 x 8 in Rack Tom
- 12 x 9 in Rack Tom
- 16 x 14 in Floor Tom
- 1 Single Kick Pedal
- 4 Cymbals Stands
- 1 HI-HAT Stand
- 1 SNARE Stand
- 1 Roc & Soc Drums chair

*** A possibility exists to play background music in the lobby. The customer will be responsible for the playlist.

Charles Bronfman Auditorium
Tel Aviv Culture Center

Tel Aviv Culture Center – Zucker Hall
Lighting Specification

Lighting Services

The auditorium lighting system consists of two lighting arrays:

- A fixed system for the orchestra – provides full flooding of the stage with white light. Spot lights are attached to a truss system and cannot be redirected or removed.
- The lighting system for event consists of a truss system under the orchestra.

GrandMA3 software provides a simulation of the Zucker Hall that enables pre-programming.

Control and Communication System

QTY	Equipment	Location
1	MA3 compact XT	At the main control position
1	4 way artnet to dmx	In the central electricity room
3	2 way artnet to dmx	Truss boxes 1,2,3
1	Managed Gigabit Ethernet switch with 10 - 10/100/1000Mbps Ethercon ports	In the central electricity room
2	DMX splitters	In the central electricity room

Three Control Positions

- Main control position
- Command room position
- Secondary control position on the auditorium floor

Each control position includes the following connections

- 4 DMX 3 connections, male pin
- 1 DMX 3 connection, female pin
- 2 ETHERCON connections
- V220 AMP 16 Israeli electrical connection

Net-based Lighting Communication System

- All communication lines incoming from the control positions reach a patch panel at the main electricity room.
- A single network line from each truss box connects to the patch panel at the main electricity room.
- 6 network lines incoming from the stage connection boxes connect to the patch panel at the main electricity room.
- 2 network lines incoming from the dimmers room connect to the patch panel at the main electricity room.

Lamps Control System Based on an ARTNET Protocol

- All communication lines from the control positions connect to the patch panel at the main electricity room.
- Two DMX lines incoming from each truss box connect to the patch panel at the main electricity room.
- Six DMX lines incoming from the stage connection boxes connect to the patch panel at the main electricity room.
- One DMX line incoming from the dimmers room connect to the patch panel at the main electricity room.

Dimmers

- The dimmers are located in the dimmers room and are controlled by the DMX protocol.
- All the dimmers are 2KW.
- All the dimmers are ended in an Israeli socket:
  - ∴ 12 dimmer lines in truss box No. 1
  - ∴ 12 dimmer lines in truss box No. 2
  - ∴ 12 dimmer lines in truss box No. 3
  - ∴ 8 dimmer lines in the stage level connection boxes.

Stage Electrical System

- An Israeli sockets system of 16 AMP each, switches in the main electricity room.
- 18 sockets in each truss box, total 54 lines.
- 6 sockets in the stage level connection boxes.
- 6 sockets in the main electricity room, for the lighting devices.
- An Israeli sockets system with contacts to the "PowerCON" patch panel in the main electricity room.
- 12 sockets in each truss box – total 36 sockets.

3-Phase Electricity for Lighting

Located in the main electricity room.

- 125 AMP socket
- Two 63 AMP sockets
- Two 32 AMP sockets
- Two 16 AMP sockets

Fixed Lamps on the Grid with no Change Possibility

- Ten spot light units: ROBE PANITE including shutters.
- Twelve spot light units: MOVING LED WASH MARTIN MAC AURA XB
- Eight spot light units: MOVING LED SPOT MARTIN MAC QUANTUM PROFILE

MDG Fog Machine (operating with CO2 pressure)

Lamps and other means not dependent on the grid and that can be used on the stage – installation and removal under production responsibility.

- Four spot light units: MOVING LED SPOT MARTIN RUSH MH 1 PROFILE
- Twelve spot light units: RUSH PAR 2 RGBW + Zoom

*** No spot light stands exist in the auditorium of any type whatsoever.