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 II	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	Ear Monitor System	8	G4-A1	
6	12" monitor loudspeaker	6	X12	
7	Matched amplifiers and processors	3,3	LA8, LA4x	Per guidelines and instructions of the speaker manufacturer
8	15" loudspeaker, amplified	2	JBL PRX800	
9	Digital mixer	1	DiGiCo QUANTUM 225	
10	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

Electric 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
- Roll-up screen, dimensions: 550 cm width, 350 cm height
- SONY projector, ANSI 6000, resolution 1920/1080
- Routing system by AMX, controlled by a system that enables projection either from the stage or from a control booth, 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 vocals	5	SHURE SM58
2	Dynamic microphone for instruments	4	SHURE SM57
3	Dynamic microphone for instruments (equivalent to SM57)	4	AUDIX I5
4	Kick drum mic (equivalent 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 headset ("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	TWINPLEX
14	Headset ("Madonna") microphone***	2	MTQG
15	In-ear monitor	8	EW IEM GA-A1
16	Active direct connection (DI)	7	BSS AR-133
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

*   If 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 simultaneously, and to choose the type of microphone.

Playing Instruments

Concert-Level Pleyel Piano

DW Collector Series Drum Set

The drummer is responsible for providing the snare drum, 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 Cymbal Stands
- 1 Hi-Hat Stand
- 1 Snare Stand
- 1 Roc & Soc Drum Throne

*** It is possible to play background music in the lobby. The customer will be responsible for the playlist.

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. Spotlights are attached to a truss system and cannot be adjusted or removed (the spotlights can be controlled from the control panel -MA 2/3).
- A lighting system for events installed on 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 electrical room
3	2-way Artnet to DMX	Truss boxes 1,2,3
1	Managed Gigabit Ethernet switch with 10 - 10/100/1000 Mbps Ethercon ports	In the central electrical room
2	DMX splitters	In the central electrical 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
- 220V / 16A Israeli-standard power outlet

Net-based Lighting Communication System

- All communication lines from the control positions terminate at a patch panel in the main electrical room.
- A single network line from each truss box connects to the patch panel in the main electrical room.
- Six network lines from the stage connection boxes connect to the patch panel in the main electrical room.
- Two network lines from the dimmer room connect to the patch panel in the main electrical room.

Lighting Control System Based on an ARTNET Protocol

- All communication lines from the control positions connect to the patch panel in the main electrical room.
- Two DMX lines from each truss box connect to the patch panel in the main electrical room.
- Six DMX lines from the stage connection boxes connect to the patch panel in the main electrical room.
- One DMX line from the dimmer room connects to the patch panel in the main electrical room.

Dimmers

- The dimmers are located in the dimmer room and are controlled via the DMX protocol.
- All dimmers are rated at 2KW.
- All dimmer outputs terminate in an Israeli-standard power 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

- A system of Israeli-standard 16A sockets with circuit breakers in the main electrical room.
- 18 sockets in each truss box – total of 54 lines.
- 6 sockets in the stage-level connection boxes.
- 6 sockets in the main electrical room, for the lighting equipment.
- An Israeli-standard socket system connected to the PowerCON patch panel in the main electrical room.
- 12 sockets in each truss box – total of 36 sockets.

Three-Phase Power Supply for Lighting

Located in the main electrical room:

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

Fixed Spotlights on the Grid

- 10 x ROBE Painte - including shutters – front
- 12 x Ayrton Diablo - including shutters – back
- 10 x Prolights Astra Wash 19 - including effects – back
- 11 x Martin MAC Aura XB Moving LED Wash – top and side
- 2 x Prolights Sunblast 3000 FC including effects – Audience blinder
- 3 x Martin MAC Quantum Profile - Back audience
- The venue provides an Mdg Atmosphere fog machine with a DMX-controlled fan

Additional Fixtures and Equipment Not Mounted on the Grid – Installation and Dismantling Are The Production's Responsibility

- 5 x Martin MAC Quantum Profile fixtures
- 5 x Prolights Sunblast 3000 FC fixtures

Fog machine – MDG (CO$_2$ pressure-operated). Anther fog or smoke machine is forbidden.

Notes:

The venue does not provide stands for any type of lighting fixture.

It is not permitted to hang accessories or lighting fixtures from the Zucker Hall grid.

Linoleum for the dance stage:

- 5 rolls, eahc 160 cm wide

Total coverage:

- 12 meters length

- 8 meters wide

Two-sided black/white

Laying out and rolling up the linoleum is the responsibility of the customer.

Portable stage dimensions: 10 x 5 meters, height 0.6 meter