

# Technical equipment IMI Forum

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## Sound

Mixers	
1	Digico SD8 Digirack with 48 inn and 24 out
1	Mackie SR32-4 VLZ PRO (in a storage room)

PA Speakers	
8	Nexo Alpha E Fullrange (4 boxes per side)
2	Nexo Alpha S2 Sub (1 per side)
2	Nexo Ps10 (downfill)
4	Nexo Ps10 (delay, under balcony)
2	Nexo Ps8 (frontfill)

Foldbacks	
6	Nexo Ps15
6	Nexo Ps10
4	Aviom 16 ch personal monitormix

Controllers	
2	Nexo Ps15 (Monitors 1-4)
2	Nexo Ps10 (Monitors 5-8)
2	Nexo NX241 (FOH)
1	XTA DP224 (FOH)
1	Nexo Ps10 (Delay and downfill)
1	Nexo Ps8 (Frontfill)
1	Aviom A-16D Pro (distribution unit)

Amplifiers	
1	Crown Machro-Tech 5002VZ (subs)
2	Camco -Power 10 (FOH topper – separat ch for LF/HF – oppe/nede)
2	Crown Micro-Tech 2400 (Frontfill/downfill, delay under galleri)
3	Crown Micro-Tech 2400 (Foldbacks 1-6)
1	Crown CTS2000 (Foldbacks 7-8)

Outboards	
1	Lexicon PCM91
1	t.c. electronic D-TWO
1	DBX 3231

Playback	
1	Denon DN-1800F (cdplayer, dobbel) On storage
1	Tascam CC222 (kasset/cd recorder/player)
1	Denon DN-M2000R (minidisc recorder/player) On storage

Microphones	
2	AKG C414 B-ULS/SE
6	Shure Beta 87A
1	Shure Beta 52
1	Shure Beta 91
4	Shure Beta 56
4	Shure SM 57
6	Shure SM 58
4	Shure Beta 58
3	Milab VM 44
2	AKG C-451
2	Shure MX421D/C (gooseneck)
1	DPA 4099 (violin clip)
4	Beyer Opus 87 clip-on drum microphone

Wireless	
2	Shure Beta 58 transmitter (UHF-r series)
4	DPA headworn lavalier
4	Shure UHF-r pocket transmitter
6	Shure ULXP reciever
2	UHF-r antenna distribution
2	Shure directional antenna

DI	
4	Klotz D10 (passiv)
6	LA Audio (active)
2	Radial ProD2 passiv stereo DI

80 lines from stage to FOH (50 input, 30 retur).

2 pcs stagemulti à 20 lines.

XLR patch panel with 60 lines to FOH, 32 lines from 4 hatches on stage.

4 hatches in the stage floor with 32 audio sound, 10 speakon, 4 ethernet (aviom) and power.

We have a stagebox containing all cables

## Lights

Lights	
7	Strand Lighting SL 15/32 (profil 600w)
6	ETC Source 4 zoom 15/30 (profil 750w)
20	Strand Lighting Toccata 10/26 (profil, 2500w)
20	Strand Lighting Alto F (fresnell, 2500w)
48	DTS PAR64 (1000w)
10	LDR Inno (horisont)
6	LDR express 18 (colourchangers)

Light controller and dimmers	
1	Avolights Pearl 2004
1	Okero dimmer ( 72 dim circuits, 2,5 kW + 12 direct circuits, 2,5 kW, patch panel 180 lines)
2	Okero 619 6 ch dimmer (ch 73-84)
1	Pulsar DC-PMX-DMX 8 way split

Power lines	
Lines 1-24	Light bridge 1, 24 double power outlets
Lines 25-48	Light bridge 2, 24 double power outlets
Lines 49-72	Light bridge 3, 24 double power power outlets
Lines 73-96	Winch bar 1 over stage, 24 double power outlets
Lines 97-120	Winch bar 2 over stage, 18 double power outlets
Lines 121-138	Winch bar 3 over stage, 18 double power outlets
Lines 139-156	Winch bar 4 over stage, 24 double power outlets
Lines 157-162	Floor up stage right , 6 double power outlet + Harting
Lines 163-168	Floor down stage right, 6 double power outlet + Harting
Lines 169-174	Floor down stage left, 6 double power outlets + Harting
Lines 175-180	Floor up stage left, 6 double power outlets + Harting

DMX Distribution	
Lines 1-2	Connection for light controller FOH
Line 3-4	Tilkobling for lysbord sal
Line 5	Connection for light controller Stage
Line 6-8	Light bridges, 1 line for each
Line 9-12	Light bars (LX 1- LX 4 ) on stage, 1 line for each
Line 13-16	Floorboxes, 1 line for each box

DMX channels house lights	
462 - 470	House
486 + 510 - 511	Under balcony
487 - 489	Balcony

The house has a standard lighting rig. The rig shall be rigged back to standard after each production

There is a DMX-distribusjonsnet based on a simple DMX patch panel in the dimming room.  
The patch panel is made of 5 pin XLR connectors and also has a 8-way DMX split.

There is 84 dim circuits, each 13A/2,5kW

These can be patched to power lines distributed on the winches onstage, the light bridges, and at the floor stage left and right.

The dimming room is in the third floor, stage right.

The dimmer is equipped with 12 direct circuits for use with moving lights and smoke mashines.

## Video

Videequipment	
2	Epson EMP-830 (3000 ansilumen projector)
2	4:3 lerret
1	For.A VPS-300P Visionmixer (8ch component/yc/composite videomix with keying)
3	JVC GY-HD100 (HDV/DV camcorder with component/composite out)
1	JVC BR-DV3000U (HDV/DV VTR)
2	Miller Ds20 tripodstand (with wheels, zoom and focus handles)
1	Miller Ds30 tripodstativ (with wheels, zoom and focus handles)

1	Kramer Vp727 (8ch scaler, VGA, component, yc, composite SD/HD)
1	ClearCom basestation. 2 channels
7	ClearCom/ASL beltpack with headset
6	JVC monitors
6	Multicables for cameras (3 x coax (BNC), 4 x XLR, Power)
1	Mac Power G5 editing

Video and text playback	
1	Mac Pro Intel (ProPresenter software) m 24" Eizo
1	Extron MVX 44 (VGA matrix. 4 in/4 out)
2	Kramer VP501xl (VGA-YC converters)
1	Matrox VGA dual screen (splits 2048 x768 down to 2 screens with 1024x768)

The computer is mounted in a shelf at the FOH position. Input 3 and 4 is free so that guests can hook up their own computers. All inputs of the matrix can be routed to all of the outputs.

## VGA Matrix

Inngang	Utgang
1: Dual screen 1 (slides, video)	1: Kramer VGA-YC converter 1 – to ch 8 on visionmixer.
2: Dual screen 2 (only text)	2: Kramer VGA-YC converter 2 – til Keyinput visionmixer.
3: Free	3: to Kramer Vp727 via TR 2
4: Free	4: Free

The house has multicables for camera at three locations: FOH, stage right and under the stage. We also have three extra multicables for video. We have three lines each with five coax (BNC) from FOH to Technical Room (video room), marked TR1-TR3. We also have a line with five BNC – TR4 – from a hatch downstage right. There is also ten coax lines (BNC) from FOH to under the stage.

## Stage

Winch over stage	
Bar 1	Cape
Bar 2	Lights LX 1
Bar 3	Legs
Bar 4	Free
Bar 5	Lights LX 2
Bar 6	Cape
Bar 7	Legs

Bar 8	Lights LX 3
Bar 9	Free
Bar 10	Legs
Bar 11	Lights LX 4

### Max load:

The whole bar: 400 kg  
 At the wire: 75 kg  
 Between wires: 50 kg  
 At end: 35 kg

There is three light bridges over the audience area. See lighplot for details.

### Stage measurements:

STAGE: 190 m2  
 HEIGHT: 100 cm  
 HEIGHT from stage floor – ceiling: 655 cm  
 WIDTH: 2342 cm  
 DEPTH: 970 cm

### Hydraulic lifts:

A scissor lift is located down stage right.  
 A mobile Genie AWP-305 pole lift is located stage right.

### Power

3x 3x63A 400V CEE power outlets in third floor stage right. One of them powers two house dimmers  
 2x 3x32A 400V CEE power outlets onstage. Upstage left and right.  
 2x 1x16A 230V Shuco power outlets distributed in the four hatches onstage.

There is no 63A/32A power cables in house.

