Oman Convention & Exhibition Centre is a multifaceted convention venue that offers flexible and accommodating spaces to suit all sizes of events. Our role is to partner with you to leverage the OCEC facilities and services in achieving a seamless event experience.

The AV Guide serves as a resource and is intended to assist all event stakeholders in planning and achieving successful events to remember. It contains important information about the available OCEC event equipment.

Further information about OCEC event facilities, services and operations, please refer to your OCEC Event Planning contact.

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**WELCOME to OCEC**
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<td>Rigging</td>
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<td>62</td>
<td>Video</td>
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</table>
Sound
We are committed to enhancing the sound experience by providing customized audio solutions. The OCEC portfolio includes large and medium format live array systems as well as a range of low-profile powered loudspeakers for discreet sound reinforcement.

Our digital mixing consoles range from 16 to 96 channels and all include outboard digital Signal Processing and state of the art effects. We also utilize top of the range audio networking for real-time processing solutions for conferencing, broadcast, and live entertainment production.
Loudspeakers & PA Systems

D&B V-Series Line Array Loudspeaker with flyable V-SUBs

- The 3-way passive V8 and V12 line array loudspeakers provide 80° and 120° horizontal dispersion respectively maintained down to 250 Hz.
- The Cardioid V-SUB provides an impressive rejection of energy towards the rear of the cabinet.

<table>
<thead>
<tr>
<th>Description</th>
<th>V8</th>
<th>V12</th>
<th>V-SUB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Components</td>
<td>2 x 10”</td>
<td>2 x 10”</td>
<td>1 x 18”</td>
</tr>
<tr>
<td></td>
<td>1 x 8”</td>
<td>1 x 8”</td>
<td>1 x 12”</td>
</tr>
<tr>
<td></td>
<td>2 x 1.4”</td>
<td>2 x 1.4”</td>
<td></td>
</tr>
<tr>
<td>Dispersion</td>
<td>80°</td>
<td>120°</td>
<td>Cardioid</td>
</tr>
<tr>
<td>Frequency response</td>
<td>67Hz – 18KHz</td>
<td>67Hz – 18KHz</td>
<td>37 – 115Hz</td>
</tr>
<tr>
<td>SPLmax</td>
<td>142 dB</td>
<td>142 dB</td>
<td>137 dB</td>
</tr>
<tr>
<td>Weight</td>
<td>34 kg</td>
<td>34 kg</td>
<td>64 kg</td>
</tr>
<tr>
<td>Dimensions</td>
<td>310 x 700 x 460 mm</td>
<td>310 x 700 x 460 mm</td>
<td>606 x 700 x 728 mm</td>
</tr>
</tbody>
</table>
D&b Y Series Point source loudspeakers with B6 SUBs

Y7P point source loudspeakers offers horizontal dispersion angle of 75° horizontal directivity control down to 500 Hz with two 8” low frequency drivers and a 1.4” compression driver.

<table>
<thead>
<tr>
<th>Description</th>
<th>Y7P</th>
<th>B6</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Components</strong></td>
<td>2 x 8”</td>
<td>18”</td>
</tr>
<tr>
<td></td>
<td>1 x 1.4”</td>
<td></td>
</tr>
<tr>
<td><strong>Dispersion</strong></td>
<td>75° x 40°</td>
<td>Omni directional</td>
</tr>
<tr>
<td><strong>Frequency Response</strong></td>
<td>59Hz – 18KHz</td>
<td>37 – 140 Hz</td>
</tr>
<tr>
<td><strong>SPLmax</strong></td>
<td>137 dB</td>
<td>134 dB</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>18 kg</td>
<td>41 kg</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>580 x 257 x 341 mm</td>
<td>490 x 580 x 700 mm</td>
</tr>
</tbody>
</table>
### JBL VerTec VT4888 Line Array
Loudspeakers with VT4880 Subwoofers

<table>
<thead>
<tr>
<th>Description</th>
<th>VT4888</th>
<th>VT4880</th>
</tr>
</thead>
<tbody>
<tr>
<td>Components</td>
<td>2 x 12”</td>
<td>2 x 18”</td>
</tr>
<tr>
<td></td>
<td>4 x 5.5”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2 x 3”</td>
<td></td>
</tr>
<tr>
<td>Dispersion</td>
<td>90° Horizontal</td>
<td>Inversely proportional to product of array length</td>
</tr>
<tr>
<td>Frequency Response</td>
<td>60Hz – 16 KHz</td>
<td>29 – 120Hz</td>
</tr>
<tr>
<td>SPLmax</td>
<td>136 dB</td>
<td>137 dB</td>
</tr>
<tr>
<td>Weight</td>
<td>51 kg</td>
<td>71 kg</td>
</tr>
<tr>
<td>Dimensions</td>
<td>990.6 x 355.6 x 508 mm</td>
<td>1229 x 493 x 860 mm</td>
</tr>
</tbody>
</table>
### JBL VRX 932 Line Array Loudspeakers with VRX 918 Subwoofers

<table>
<thead>
<tr>
<th>Description</th>
<th>VRX932LA-1</th>
<th>VRX918S</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Components</strong></td>
<td>1 x 12&quot;</td>
<td>1 x 18&quot;</td>
</tr>
<tr>
<td>3 x 1.5&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Frequency Response</strong></td>
<td>57Hz – 20KHz</td>
<td>31 – 220Hz</td>
</tr>
<tr>
<td><strong>SPLmax</strong></td>
<td>130 dB</td>
<td>n/a</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>21 kg</td>
<td>37 kg</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>343 x 597 x 376 mm</td>
<td>508 x 597 x 749 mm</td>
</tr>
</tbody>
</table>
# Loudspeakers & PA Systems

## D&B M6 Stage Wedge Monitors

<table>
<thead>
<tr>
<th><strong>Description</strong></th>
<th>M6</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Components</strong></td>
<td>12”/1.3”</td>
</tr>
<tr>
<td><strong>Dispersion</strong></td>
<td>50° x 80° rotatable</td>
</tr>
<tr>
<td><strong>Frequency Response</strong></td>
<td>65 Hz - 17 kHz</td>
</tr>
<tr>
<td><strong>SPLmax</strong></td>
<td>138 dB</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>16 kg</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>332 x 486 x 455 mm</td>
</tr>
</tbody>
</table>
D&b MAX2 Stage Wedge Monitors

**Description**
MAX2

**Components**
15"/1.4"

**Dispersion**
75°

**Frequency Response**
55 Hz - 20 kHz

**SPLmax**
135 dB

**Weight**
23 kg

**Dimensions**
354 x 580 x 496 mm
D&b E8 Low Profile Loudspeakers

Description
E8

Components
8”/1”

Dispersion
90° x 50° rotatable

Frequency Response
62 Hz - 18 kHz

SPLmax
129 dB

Weight
7.3 kg

Dimensions
390 x 232 x 223 mm
## JBL SRX 812P Powered Loudspeakers

### Description
SRX812P

### Components
12”/3”

### Dispersion
90° x 50°

### Frequency Response
48 Hz - 20 kHz

### SPLmax
136 dB

### Weight
26.4 kg

### Dimensions
429 x 415 x 638mm
# Loudspeakers & PA Systems

## JBL EON 610 Powered Loudspeakers

<table>
<thead>
<tr>
<th>Description</th>
<th>EON610</th>
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<tr>
<td><strong>Components</strong></td>
<td>10&quot;/1&quot;</td>
</tr>
<tr>
<td><strong>Dispersion</strong></td>
<td>110° x 60°</td>
</tr>
<tr>
<td><strong>Frequency Response</strong></td>
<td>60Hz – 20kHz</td>
</tr>
<tr>
<td><strong>SPLmax</strong></td>
<td>124 dB</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>11.79 kg</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>558 x 322 x 295 mm</td>
</tr>
</tbody>
</table>
### D&b D80 Amplification

**Description**
D80

**Max output power**
- 4 x 2000 W into 8 ohms
- 4 x 4000 W into 4 ohms

**Output channels**
4

**THD**
THD+N < 0.5%

**Output mode**
- Dual Channel, Mix TOP/SUB
- 2-Way Active

**Sampling rate**
96 kHz / 27 Bit ADC / 24 Bit DAC
Amplification & DSP

**Crown I-Tech HD 4x3500 Amplification**

**Description**
I-Tech HD 4 x 3500

**Max output power**
- 2100 W into 8 ohms
- 4000 W into 4 ohms

**THD**
0.35%

**Output channels**
4
**Digital Audio Consoles**

**Soundcraft Vi7000**

**Features**

- 44 faders
- Up to 128 inputs and 32 mono/stereo busses
- 8 independent Lexicon multi-FX units, BSS DPR901ii™ integration and a BSS graphic EQ on every bus output.
- MIDI, USB, Ethernet, DVI out, Dante/MADI record feed outputs, redundant power supply and other connections.
Digital Audio Consoles

Soundcraft Vi3000

Features

- 36 faders
- 24 mono/stereo busses
- 8 independent Lexicon multi-FX units, BSS DPR901ii™ integration and a BSS graphic EQ on every bus output.
- MIDI, USB, Ethernet, DVI out, Dante/MADI record feed outputs, redundant power supply and other connections.
Digital Audio Consoles

**Soundcraft Vi6**

**Features**

- 32 input faders plus 12-fader master section
- 96 mono inputs into 35 Outputs. Pairs of mono inputs can be linked to create stereo channels.
- 24 insert send/return pairs can be configured (using available I/O) and assigned to any of the 96 inputs or 35 output channels.
- 32 Grp/Aux/Matrix, plus main LCR Mix and LR Solo busses
Digital Audio Consoles

Soundcraft Si Performer

Features

- 32 mono mic inputs and 8 line inputs
- 20 sub-group / aux busses
- 4 FX busses
Digital Audio Consoles

Soundcraft Si Expression

Features

- 16 mono mic inputs and 4 line inputs
- 20 sub-group / aux busses
- 4 FX busses
**Shure AXT400 Wireless Microphone System**

**Features**

- Expansive tuning bandwidth of up to 228 MHz—equal to 4 transmitter bands.

- Interference Detection & Avoidance automatically detects interference and moves signal to a clear, compatible channel in a fraction of a second.

- Ensures seamless, uninterrupted audio for mission-critical transmitters in extreme RF settings.
Wireless Systems

Shure QLXD Wireless Microphone System

Features

- Digital wireless receiver combines professional features with streamlined set-up and operation. Features include Automatic Channel scan, Networked Channel Scan, digital predictive switching, and AES 256 encryption for security.
Wireless Systems

Shure PSM1000 Wireless In-Ear System

Features

- Networkable, full-rack, dual-channel wireless transmitter used in conjunction with the P10R Wireless Bodypack Receiver as part of the PSM® 1000 Personal Monitor System.

- 72 MHz to 80 MHz tuning bandwidth, networked remote control via Wireless Workbench® software.
Wireless Systems

Sennheiser 2000 Wireless System

Features

- Up to 75 MHz switching bandwidth.
- 20 fixed frequency bands with up to 64 compatible presets.
- Frequency setting in 25 kHz steps.
Microphones

We offer a large selection of microphones fitted to the size and type of events. Our inventory includes but is not limited to the following:

- Lectern microphones
- Handheld dynamic and condenser microphones
- Lavalier microphones
- Headset microphones
- Assorted large and small diaphragm instrument microphones
- Shotgun microphones
- Multi-pattern condenser microphones
Amongst our large and varied stock, we have equipment to suit every type of event for use in playback, recording, postproduction and signal distribution.
Event Communication

Clear-com HME DX210 Wireless Intercom

The system enables up to four synchronized co-located base stations to be used together for a total of 44 user devices with up to 16 in hands-free, full-duplex mode. Wired intercom input/output interfaces make DX210 compatible with existing 2-wire partyline or 4-wire matrix systems provided by Clear-Com or RTS.
Clear-com FreeSpeak II Digital Wireless intercom

FreeSpeak II is a five-channel, full-duplex wireless intercom solution, ideal for large-scale, complex designs or specialized applications—requiring team members to be untethered and talking in independent channels of communication.

After years of field experience and refinement, FreeSpeak II has become the de facto standard for wireless intercom operation in the 1.9GHz and 2.4GHz band across various markets. The exceptional RF performance and reliable connections across the system give users the peace of mind they need for staying connected at every major event, programming, stage performance, critical or mass area operation.
Overview

All of OCEC’s lighting fixtures are from world leaders in LED lighting technology with energy efficiency and quality at heart, which provide great flexibility when designing lighting installations. The latest in lighting console technology also allows us to leverage the building’s infrastructure in providing unparalleled lighting solutions.
ARRI L10-C – LED Fresnel

**Description**
LED Focusable Fresnel

**Angle**
15 to 50 degree half Peak Angle

**Colour**
Full RGB+W

**Colour Temperature**
2,800k to 10,000k white light

**Dimensions H x W x D**
714 x 502 x 560 (mm)

**Weight**
20 (kg)
ARRI L7-C – LED Fresnel

**Description**
LED Focusable Fresnel

**Angle**
15 to 50 degree half Peak Angle

**Colour**
Full RGB+W

**Colour Temperature**
2,800k to 10,000k white light

**Brightness**
Equivalent brightness to 1000w, 150w consumption

**Weight**
9 (kg)
ARRI S30 – C LED Flood

**Description**
Full Colour LED Flood

**Angle**
115 degree (HPA)

**Colour**
Full RGB+W

**Colour Temperature**
2,800k to 10,000k white light

**Dimensions H x W x D**
499 x 507 x 133 (mm)

**Weight**
9 (kg) including PSU
## Fixtures

**ETC Source 4 Series 2 Lustr LED Profile**

**Description**
LED Profile

**Lens Range**
10°, 19°, 26°, 36° Along with 25/50 and 15/30 Zoom

**Angle**
115 degree (HPA)

**Colour**
7 Colour LED Profile

**Dimensions H x W x D**
631 x 434 x 338 (mm)

**Weight**
8.3 (kg) approx
Fixtures

**Chroma Q Color Force II 12**

**Description**
Cyc, Wash and Effects LED Batten

**Angle**
22 degree BA

**Colour**
4 x RGBA LED

**Dimensions H x W x D**
335 x 190 x 218 (mm)

**Weight**
5 (kg)
Fixtures

Chroma Q Color Force II 72

**Description**
Cyc, Wash and Effects LED Batten

**Angle**
22 degree BA

**Colour**
24 x RGBA LED

**Dimensions H x W x D**
1759 x 165 x 191 (mm)

**Weight**
24 (kg)
Chauvet Color Dash Accent Quad

**Description**
Low profile quad colour accent light

**Angle**
15 degree BA

**Colour**
1 x RGBA LED

**Dimensions H x W x D**
110 x 67 x 172 (mm)

**Weight**
0.8 (kg)
# Fixtures

## Robe LiteWare HO2 Portable Battery Powered Uplighter

<table>
<thead>
<tr>
<th>Description</th>
<th>LiteWare RGBW Battery Uplighter with Wireless DMX</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Angle</strong></td>
<td>22 – 50 degree adjustable Beam angle</td>
</tr>
<tr>
<td><strong>Colour</strong></td>
<td>2 x 40w RGBW LED</td>
</tr>
<tr>
<td><strong>Dimensions H x W x D</strong></td>
<td>353 x 182 x 179 (mm)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>15 (kg)</td>
</tr>
</tbody>
</table>
Fixtures

Robe LiteWare Satellite 2 Portable Battery Powered Uplighter

**Description**
Optional adjustable 1.7m to 2.6m pole

**Angle**
22 – 55 degree Beam angle

**Colour**
2 x 40w RGBW LED on tilting head
Fixtures

Clay Paky Glow Up C RGBW

Description
Battery or mains powered uplighter
Wired or wireless DMX or standalone feature

Angle
15/30 degree manually adjustable beam

Colour
1 x RGBA LED

Dimensions H x W x D
365 x 226 x 226 (mm)

Weight
7.5 (kg), IP65
Fixtures

Prolights Smart Bat Led Uplighter

**Description**
Battery powered
W-DMX Wireless Control
8 – 12 hour life on full charge
4 hour recharge

**Angle**
20-degree tilt angle adjustable

**Colour**
4 x 12w LED
**FIXTURES**

**Studio Due – City Color RGBW LED Flood**

**Description**
3 DMX modes (4,5,9 channels)
Output 560w
IP64 Rating

**Colour**
120 RGB w 16w LED

**Dimensions**
365 x 145 x 640 (mm)

**Weight**
32 (kg)
Follow Spots – Robert Juliat Oz/Alice LED Follow Spots

**Description**
One hand dim, pan and tilt
DMX or local controllable
RDM compatible
Colour changer

**Colour**
600w LED – Cool White

**Angle**
Long throw 7 deg to 14.5 deg or Medium throw 13 deg to 24 deg
Intelligent Lighting

Varilite 2600 Profile

**Description**
- Lower power consumption – approx. 550W
- 19,000 lumens output
- Four blade framing Iris
- Rotating and fixed wheel gobo wheels
- 1 x 3 facet prism
- Variable frost

**Angle**
- 7deg to 48deg zoom range

**Colour**
- CMY and CTO color mixing

**Dimensions**
- 464 x 300 x 715 (mm)

**Weight**
- 32 (kg)
Intelligent Lighting

Varilite 2600 Wash

Description
Lower power consumption – approx. 820W (550W LED engine) 22,000 lumens output
Adjustable beam edge – PC to Fresnel
Beam-shaping framing system

Angle
12 to 63 zoom range

Colour
CMY and CTO color mixing, and 7 fixed color wheel

Dimensions
465 x 300 x 705 (mm)

Weight
30 (kg) approx
Chauvet R1 Wash

Description
4 DMX modes 14,15,19,21 channels
Power 139 w / 0.62A
2300 Lumens output
11 deg to 48 deg zoom

Angle
8 deg to 30deg beam angle

Colour
7 x RGB & W 15w LED

Dimensions
187 x 265 x 354 (mm)

Weight
6 (kg)
Intelligent Lighting

Chauvet R1X Spot

Description
2 modes (16, 19 DMX Channels)
2 x gobo wheels (Wheel 1 Rotating)

Iris
3 Facets prism

Angle
Beam Angle: 14°

Colour
8 + white colour wheel (1 x 170w LED)

Dimensions
282 x 360 x 447 (mm)

Weight
16.3 (kg)
Rigging
Overview

Our Rigging team is equipped with a comprehensive stock of lifting and staging equipment, enabling provision of flexible, bespoke rigging and staging solutions tailored to suit a wide range of event formats.

Control systems are network capable, with no limit to the number of simultaneously controlled hoists. Control can be integrated with common media-server systems, enabling extremely dynamic visual effects.
Prolyte Aetos double - brake chain hoists

Description

- 1000kg D8 rated, 500kg D8+
- Incremental Encoder
- 4 m/min chain speed
Kinesys Digihoist Controllers

**Description**

- 8 – channel direct control
- Stackable, self-addressing
- Controllable via Vector Software, using encoders
Track systems

Description

- A selection of Modular Tracking solutions
- Up to 600kg max capacity trolleys
- Various drive solutions, including Kinesys Elevation drive control, via Vector software
LibraCell Load-cells

Description

- Load cell shackle, SWL 3.25t
- Compatible with both Digihoist and Vector systems
- Also usable standalone
Milos M290 Aluminium Trussing

**Description**

- 30 cm x 30 cm Size
- 6-way corner cubes, 0.5m, 1m, 2m, 3m sections
- 3mm wall, allowing high load capacity
Lifting Tackle

Description

Our stock of Lifting tackle is extensive, allowing for extremely flexible rigging solutions. Inclusive with hire of chain-hoists and trussing.
Rigging Points

Description

Across Exhibition Halls, Ballrooms and Theatres we are equipped to provide points for rigging chain-hoists, or dead hung trussing and other rigged elements.
Lycra Sails

Our Sails can provide an especially unique look and feel to your event. They can be easily rigged in almost any venue, and in almost any configuration. They are also white, providing a perfect surface for lighting.

- Square – 1m x 1m, 2m x 2m, 4m x 4m, 6m x 6m
- Rectangle – 2m x 1m, 4m x 2m, 6m x 4m
- Triangle – 2m x 1m, 4m x 2m, 6m x 3m
Banner Rigging

Description

Low-load Banners can be rigged almost anywhere across the exhibition halls and ballrooms. Small gauge steel wire drops, to give a discreet, sleek aesthetic.
Drape

Description

Black wool serge, and white Moulton. 10m drop, with door drapes to 8m. Generally used in the exhibition halls, but solutions can be provided for other spaces.
**Staging**

**Description**

Euro truss Modular Staging system, with steps, handrails and soft velour valance. Heights in 150mm steps from 100mm to 1450mm. Brushed aluminum frame, and matt black non-slip surface.
Overview

Our Video team has the experience to provide small Laptop driven production right through to media server multi display projects and projection mapping.
LightLink LED Wall

**Description**

- 2.6mm pitch
- Max 1300 Nits
- Can be built floor standing, or flown from Rigging
- Can be built flat, or curved (concave)
- Novastar VX6S Processors
Christie Boxer Series
Projectors

Description

- 30,000 Lumen output
- 2K Resolution
- Selection of screen sizes, both rear and front projection
Christie GS Series Projectors

Description

- 6000 Lumen output
- HD Resolution
- Selection of screen sizes, both rear and front projection
**LCD TVs**

**Description**

- Range of sizes, 43” up to 65”
- Can be provided with table-top stand, or Parabola stand
AMX Switchers

Description

- Up to 8-way seamless switching
- Preview capability
**Corio Master Mini Display Manager**

**Description**

- 10 Input, 4 Output
- Versatile display management, providing a cost-effective solution for medium-scale events with multiple media inputs, and multiple displays.
- Able to provide basic effects, e.g. PIP/ basic transitions.
Watchout Media Servers

Description

- Scalable Media server system, able to manage up to 8 Displays simultaneously.
- Provides an extremely versatile, in-depth solution for control of media and displays.
- Allows precise management of event timelines and a comprehensive suite of effects and display options.
High Quality Cameras

Description

- **4K Resolution**
- Versatile connectivity; HDSDI, HDMI, Fiber
We stock a wide range of cabling, scalers and media converters. These provide a range of options to provide signal paths both within and between venues. The center has an extensive fiber backbone, allowing high-bitrate transmission of media across the whole site.
Where The World Meets
2020/21