



INEC, KILLARNEY, IRELAND

®

TECHNICAL SPECIFICATION

MAIN THEATRE STAGE

- Proscenium Stage - Flat
- Proscenium Opening - 15m
- Distance between side balconies - 32m
- Depth from Pros. to upstage bar - 6m
- Stage Depth - 8m
- Forestage depth - 2m
(this can be extended up to 6m by adding on 4m of staging sections)
- Width of backstage area - 19m
- Depth of backstage (crossover) area - 2m
- Gallery floor, height from stage - 6.7m
- Wing width from onstage gallery rail - 16.2m
- Max wing width - SL - 8m
- SR - 8m (with staging in-fill)
- Prompt corner - SL
- Maximum scenery working height - 5.5m
- Grid steel height - 12.3m
- No. of motorised flying bars - 6
- Max. load per flying bar - 250Kg
- Width of motorised flying bar - 16m
- No. of overstage 52cm box trusses - 3
(these can be set as required)
- No. of F.O.H 52cm box trusses - 1
(more available by moving overstage trusses)
- Trusses pick up on 3 points, with 1 tonne CM Lodestar chain hoists
- Houselights controlled from prompt corner, control room, or through lighting desk
- Main Auditorium contains an Induction Loop system for the hard of hearing *(covers area up to second floor balcony)*
- A show relay microphone is installed in the auditorium, which feeds into both the induction loop system, and also the dressing room show relay
- Auditorium can be divided with the use of pre-designed cloths and trusses. These can be set for specific requirements, set-up charge
- Get-in doors - Stage Right
(ability for standard 40ft truck to reverse in)
- Lift access to front of house balconies
(note, this is only a passenger lift)

DRESSING ROOMS

2 Large dressing rooms are available, situated under the stage. Toilet and shower facilities in each.

A paging system is installed between prompt corner and dressing rooms, this allows show relay, and paging calls. Paging calls operate on a volume over-ride. Phone point fitted in each dressing room.

STAGE CURTAINS

- 1 of Fibre Optic star cloth, full width of stage, tied off to gallery handrail
- 3 section to total 18m wide by 6.5m drop Fibre Optic Starcloth
- 1 of 6.5m drop, by 16m wide Full Stage Black
- 1 of 6.5m drop, by 16m wide off White Cyclorama per day if used
- 1 of 6m drop, by 16m wide black gauze
- 4 of 1.5m drop, by 16m wide black Truss Borders
- 3 per side adjustable side masking, pivoting on tracks, full depth
- Motorised (single speed) velour house tabs (Red with blue band approx. 500mm from bottom)
- A large selection of Black Wool Serge cloths for masking off areas of the auditorium
- Small amount of stage weights available

LIGHTING SPECIFICATION

- 12 of ETC Source 4 EA Pars
- 12 of 6 Way I.W.B's, fitted with ETC Source 4 EA Pars
- 12 of ETC Source 4 15/30 Zoom profiles
- 6 of ETC Source 4 26 Deg. Profiles
- 4 of ETC Source 4 36 Deg. Profiles
- 3 of ETC Source 4 50 Deg. Profiles
- 10 of Strand Cantata F 1200W Fresnels
- 8 of Thomas 500W, 4-way Cyc. Lights
- 4 of Thomas 500W floods
- 2 of Vision MSR1200 Followspots, normal position in the control room
- 2 of Clay Paky Goldenscan HPE
- 8 of Robe 575XT Wash
- 6 of Elation Design Spot 300e
- 6 of Coemar Prospot 250 LX
- 6 of Robe Colourmix 240at
- The foyer of the Convention Centre has 2 squares of 6m x 5.3m stainless steel 48mm O.D tubing set into centre 2 sections of roof. 13A sockets are installed

CONTROL & DIMMING

- Avolites Pearl 2008
- Strand 520i lighting desk (250 intensity & 250 attribute - D54 or DMX512 output)
- Zero 88 Lightmaster 1200 12/24 channel, DMX512 lighting desk
- Zero 88 LeapFrog 24/48 patchable channels + 24 moving lights, DMX512 lighting desk
- 72 of 3KW Robert Juliat, Tivoli dimmers for stage lighting
- 12 circuits patchable to 36 outlets, 24 onstage terminated to 16A CEEform
- 12 in rear auditorium roof, terminated to 2 x Socapex outlets
- Twin 10A 3-pin IEC outlets per patch
- All other 3KW circuits terminate to Socapex outlet boxes, situated around the stage and auditorium
- 72 of ETC Sensor 15A dimmers for stage lighting (not available at present)
- 24 of 5KW Robert Juliat, Tivoli dimmers for stage lighting
- All 5KW circuits terminate to 32A CEEform connectors, situated around the stage and auditorium
- 2 of 6-way Betapack dimmers, outputs on twin 16A CEEform, DMX512 control
- Opto-isolated DMX system with inputs in control room, front balcony and on-stage
- Outputs are situated at each of the 2 front of house truss positions, dimmer room, SR gallery, and on-stage next to the 3-Phase power outlet
- All connections are via 5-pin XLR
- 24 of 3KW Robert Juliat, Tivoli dimmers for architectural lighting
- 2 of Light Processor DMX distros
- 63amp 3-phase 10-way distro on 16amp outs
- 32amp 3-phase 12 way distro on 16amp outs

RIGGING

- 4 of 16m length, 52cm Vision box truss
- 4 of Vision box truss corner units (1 added to each end of 16m truss for FOH span)
- 18 of 3m lengths Vision triangular truss, used for dividing auditorium, can be used otherwise
- 13 of 1 Tonne CM Lodestar Chain Hoists, model L, c/w beam clamp
- 11 of 1/2 Tonne CM Lodestar Chain Hoists, model F, c/w beam clamps, usually in use for auditorium division
- 1 of 6-way CM controller, c/w remote
- 50 of 2m - 6m round sling spansets
- 10 of 5m, 1 Tonne safety steels
- 50 of 3.25 Tonne bow shackles
- 2 of 7m drop, CM fall arresters
- 2 of 6-way bars, 16A CEEform outlets, Socapex inputs
- 2 of Manfrotto wind-up stands

Please note that the standard truss format is 3 trusses over the stage, and 1 advance truss. This can however be altered if required.

MISCELLANEOUS

- 15 of 30m Socapex extensions
- 10 of 20m Socapex extensions
- 10 of 10m Socapex extensions
- Socapex to 16A CEEform sockets
- 2 of Socapex to 15A sockets
- 2 of 16A CEEform plugs to Socapex
- A selection of 5m, 10m, 20m, and splitters available in 16A CEEforms
- 6 of Gobo holders for Source 4 profiles Gobos are available, please contact us at least 1 week in advance. Custom gobos can also be sourced, but allow at least 2/3 weeks notice.
- 1 Smoke Factory Tour Hazer
- 1 of Uniqine 2 hazer
- 1 of Jem ZR12 smoke machine

AUDIOVISUAL SPECIFICATION

- 2 of PLC-XM100L 5000 ansi lumen, LCD projectors, normally set for rear projection on installed screens
- 1 of 10m x 5.5m front projection screen, flown on bar 1
- 2 of Installed rear projection screens, one either side of stage (4M x 3M)
- 2 of Easirect portable projection screens
- 2 of Unicol telescopic stands for projectors
- 1 of Canon XM1 Digital Camcorder, c/w Manfrotto tripod, fluid motion head
- 1 of Panasonic vision mixer
- 1 of Analogway VHX 470B Scan converter
- 2 of Composite video, distribution amplifiers
- 1 of Data Bay4 Port Multiplier 350mhz video splitter VS-401H
- 1 of 4-1 PC/HDTV Switcher Model CPCD-AR
- A selection of TV's are available
- A selection of VCR's are available
- 4 of 2m long, 15-pin high density 'D' connectors, to 5 BNC's
- Installed cabling allows for CV, and RGBHV operation
- Video cabling installed between control room and stage, balcony position and stage, and stage to each of the video projectors. All cables terminate to MUSA patch in SL corner
- All connections into installed video cabling is done via BNC connectors
- A selection of cables allowing both composite and component video sources to be connected into installed video cabling

SOUND SPECIFICATION

The installed sound system within the Convention Centre

- 32 of Microphone lines from SL mounted wallbox (terminated in female XLR 3-pin connectors) to control room patchbay, then out to HANDD 108-pin connectors in the control room, and at balcony mixing position
- 16 of Tie lines from SL mounted wallbox (terminated in both male, and female XLR 3-pin connectors) to amplifier room patchbay, then out to HANDD 108-pin connectors in the control room, and at balcony mixing position. (8 tie lines dedicated to Crown IQ-USM81)
- Each of the SL mounted wallboxes have paralleled HANDD 108-pin connectors on them, to allow for connection of monitor desk
- 2 of 5m long, 32 way XLR to HANDD 108-pin connector, allowing connection to desk/monitor desk microphone inputs
- 2 of 5m long, 24 way XLR to HANDD 108-pin connector, allowing connection to desk/monitor desk main outputs, aux Outputs etc. or for extra microphone inputs (using gender changer)
- A 4-way cross stage loudspeaker multicore is installed (4 x Speakon NL4's, wired for bi-amped operation)
- 1 of 16 in, 4 out stagebox, 30m long multicore, terminated to XLR connectors
- 2 of 12 in 12m lng multicore terminated to xlr connectors
- 1 of Allen & Heath ML4000 48 channel mixing desk (flightcased, easi-tilt stand)
- 2of XTA GEQ600, dual 31 band (Left, Right, Centre + 1 spare)
- 1 of Crown USM810, 8 in 10 out DSP, this feeds flown left, centre and right, on-stage left and right, front stage fills, and balcony delays

SOUND SPECIFICATION CONT'D

The installed sound system within the Convention Centre

Flown left and right consists of:

- 1 of Tannoy TDX2 (rebadged XTA DP226)
- 1 of Tannoy TA450 amplifier (HF)
- 1 of Tannoy TA750 amplifier (MF)
- 1 of Tannoy TA1250 amplifier (LF)
- 4 of Tannoy iQ10 Hi/Mid cabinets (2 either side)
- 4 of Tannoy B400 Hornloaded 15" Bass cabinets (2 either side)

Flown centre consists of:

- 1 of Tannoy TX3 controller
- 1 of Crest CA12 amplifier
- 4 of Tannoy T300 Superdual loudspeakers

On-stage left and right consists of:

- 1 of Tannoy TDX2 (rebadged XTA DP226)
- 1 of Tannoy TA450 amplifier (HF)
- 1 of Tannoy TA750 amplifier (MF)
- 1 of Tannoy TA1250 amplifier (LF)
- 1 of Crest CA18 amplifier (subs)
- 4 of Tannoy iQ10 Hi/Mid cabinets (2 either side)
- 4 of Tannoy iQ18B Hornloaded 18" Bass cabinets (2 either side)
- 2 of Tannoy B950 2 x 18" Subs (1 either side)

Front stage fills consists of:

- 1 of Crest CA6 amplifier
- 4 of Tannoy i8 loudspeakers

Balcony delays consists of:

- 1 of Tannoy TX3 controller
- 1 of Crest CA12 amplifier
- 4 of Tannoy T300 Superdual loudspeakers
- *Main system outboard equipment*
- The following are in a 12U flightcase
- 2 of DBX 1046 quad compressor/limiter
- 2 of DBX 1072 quad noise gates
- 1 of Yamaha REV500 multi-reverb unit
- 1 of Yamaha SPX990 multi-effects unit
- 1 of Lexicon MPX500 multi-reverb unit
- The following are in a 16U wheeled flightcase
(along with the 2 x XTA GEQ600's)
- 1 of Denon minidisc player/recorder
- 1 of Denon professional twin tape deck
- 1 of Marantz CD-RW

PORTABLE SYSTEM

This can be added to the on-stage system, or used elsewhere in hotel

- 1 of 40m x 26 in, 6 return multicore on reel
- 1 of Soundcraft Spirit Live 4/2 32 channel mixing desk
- 3 of XTA GEQ600, dual 31 band (1 for left and right, 2 for monitor sends)
- 1 of Tannoy TDX2 (rebadged XTA DP226)
- 1 of Tannoy TA450 amplifier (HF)
- 1 of Tannoy TA750 amplifier (MF)
- 1 of Tannoy TA1250 amplifier (LF)
- 1 of Crest CA18 amplifier (subs)
- 4 of Tannoy iQ10 Hi/Mid cabinets (2 either side)
- 4 of Tannoy iQ18B Hornloaded 18" Bass cabinets (2 either side)
- 2 of Tannoy B950 2 x 18" Subs (1 either side)

Portable system monitors

This can also be used as a small portable system

- 2 of Tannoy TX2 controllers
- 2 of Crest CA6 amplifiers
- 8 of Tannoy T12 loudspeakers

PORTABLE SYSTEM CONTD.

Portable system outboard equipment

- This can also be used with the Convention Centre monitor rig
- 2 of Behringer quad compressor/limiter
- 2 of Behringer quad noise gates
- 1 of Yamaha REV500 multi-reverb unit
- 1 of Alesis Midiverb 4 multi-reverb unit
- 1 of Marantz CD player
- 1 of TLAudio ivory 5021 dual valve compressor
- Tc electronix d2 delay

MONITOR SYSTEM

- 1 of Allen & Heath GL4000, 40 channel mixing desk, 10 mixes + LR (flightcased, easi-tilt stand)
- 6 of DBX 1231, dual 31 band (in 2 x 12U flightcases)
- 6 of XTA DP224 (in 2 x 4U flightcases, one fixed on each amplifier rack 16U flightcase)
- 6 of Tannoy TA 450 amplifier (3 in each 16U wheeled amplifier rack)
- 6 of Tannoy TA 1250 amplifier (3 in each 16U wheeled amplifier rack)
- 15 of Tannoy V15, 15" dual concentric bi-amped wedges

MICROPHONES / DI'S

- 8 of Shure SM 58 dynamic microphone
- 4 of Shure SM 57 dynamic microphone
- 4 of Shure SM 57 Beta dynamic microphone
- 4 of Sennheiser 845S dynamic microphone
- 1 of AKG Drum Mic Kit (contains D112 Bass Drum Mic, and 4 x C418 clip on mics)
- 1 of Shure PGDMK6 Drum Mic Kit (contains PG52, 3 x PG56, and 2 x PG81mics)
- 3 of AKG C391B condenser microphone
- 4 of AKG HM1000 hanging modules + CK31 cardioid capsules
- 1 of Calibrated test microphone
- 2 of Sennheiser K6P/ME67 Shotgun Microphone
- 8 of Sennheiser EW 500 radio mic receivers
- These are installed in a rack, and are complete with active antenna and antenna distribution
- 8 of Sennheiser EW 500 bodypack transmitters, c/w tie clip microphones (also 2 headworn microphones)
- 5 of Sennheiser EW 500 handheld transmitters
- 3 of Trantec UHF Diversity handheld radio mic systems for use throughout the Convention Centre and Hotels' meeting and function space
- 5 of Passive DI boxes
- 12 of Active DI boxes

OTHER EQUIPMENT

- 2 of Behringer Ultracurve
- 1 of Denon 5-play CD player
- 1 of Denon RDS radio tuner
- 1 of Soundcraft Spirit Folio SX
- 1 of Alesis HD 24 c/w looms. This is a 24 track stand-alone hard drive recorder, using removable hard drives (can use 2 hard drives)
- 6 of Sennheiser HD25 headphones
- 1 of Sonifex 6-way headphone distribution amplifier
- 2 of Sennheiser EW 300 in-ear monitors
- 4 of Ultimate loudspeaker stands
- 4 of K&M loudspeaker poles, adjustable height (used between B400 subs, and T12's)
- 18 of Large boom stands
- 12 of Small boom stands
- 3 of Tabletop stands
- 4 of Tannoy i5AW active loudspeakers, for A/V use
- A large number of microphone cables, loudspeaker cables, pre-made effects looms etc. are available
- 1 of DJ unit, containing DJ mixer (XLR outputs), and a twin CD player, all housed in a flightcase

FOYER SOUND SYSTEMS

- Installed sound systems are available in both the ground floor foyer area and in the first floor foyer area
- Each system is individually controlled from their respective areas with allowance made for connection of local microphones for paging and/or playback sources
- All normal sources for sound systems are housed in the control room rack (Multi-play CD player, and radio tuner)
- All connections to both systems go through the control room patchbay, allowing inputs/outputs from either system to route to/from each other or to/from the main auditorium sound system

COMMUNICATIONS

- TECPRO ring intercom system, stage and auditorium wired for twin ring operation PSU in control room
- 1 of 2 wire to 4 wire interface
- All outlets wired 3-pin XLR male

MAINS SUPPLIES

- 1 of 63A 3-Phase supply - DSL (normally motor supply) terminated in 63A 3-Phase CEEform
 - 1 of 63A 3-Phase supply - USR (normally for Outside Broadcast use) terminated in 63A 3-Phase CEEform
 - 1 of 125A 3-Phase supply - USR (normally temp. dimmer supply) terminated in 125A 3-Phase CEEform, c/w 125A 3-Phase CEEform male connector
 - 1 of 250A 3-Phase Power lock On DSR Fly Floor
- Sound supply is a 125A Single Phase, clean earth, switched in the amplifier room (above prompt corner) and distributed as follows:
- 63A Ceeform DSL
 - 63A Supply in amplifier room
 - 32A Supply to Balcony mixing position
 - 32A Supply to Control Room
 - 1 of 32A 3-Phase supply - Auditorium Right loading bay (normally for seating hoverpad units), terminated in 2 x 16A 3-Phase CEEforms

STAGING AND SEATING

Staging

- 40 of Simplex 2m x 1m interlocking staging sections, with adjustable legs from 0.8m to 1.4m
- A number of legs at 200mm, 400mm & 600mm for the above staging
- 4 of Tetrart 2m x 1m staging sections, height 400mm. Intermediate step also available

Seating

- 200 of Writing tablets for fitting to raked seating
- Seating retractable on the 3 levels of Convention Centre

GENERAL NOTES

- The listings shown should be taken as a reference only for equipment
- Additions and amendments will be made periodically, it is recommended therefore that you contact us with your technical requirements as soon as possible. If we do not have an item of equipment you require, we will endeavour to source it for you at the best rates possible
- Availability of anything on this spec is not guaranteed unless prior agreement is made when booking the venue