



TECHNICAL SPECIFICATIONS

Technical Manager: Tom Watt

tom.watt@islington.gov.uk

Tel: 020 7527 4245

Venue PA (Cabinets)

- 12 x Nova Acoustics AT2 Line Array (main left and right array)
- 6 x Nova Acoustics BA6 Line Array (centre cluster)
- 4 x Nova Acoustics BA6 Line Array (stage level lip fill)
- 6 x Nova Acoustics NB1 Sub, centrally ground stacked in front of stage within crowd barrier.

Venue PA (Control)

- Midas Pro 2 64 channel 27 bus digital audio system. KT DN9650 network bridge (available at extra cost for recording use) – AES50 and KT MAD1 network module 64 in, 64 out. Digital recording options available by arrangement and at an extra charge.
- 3 x Digital Professional Grade Cat5e (ethercon) cable from FOH to stage (for Midas running redundancy or other CAT5e based digital multicore systems) – routed from stage to centre rear mix platform
- Touring control can be accommodated most easily via existing Cat5e if using a digital system, or by bringing in an analogue multi system. Stage line system boxes are dedicated and normalised to the analogue split/system brains which are partly housed at high level above the stage so can't be used with visiting sound boards. If touring control or monitor console, please discuss with venue in advance.

Venue PA (Drive)

- 2 x Nova Acoustics HD8000 Controller
- 12 x Nova Acoustics X2000 Power Amplifier

The venue PA (which may not be substituted for any other system) is designed to comply with the venue licence and has been calibrated to this effect. There is no hard limiting/compression below 102dB(A) leq as measured at FOH and averaged over one minute, but the system is designed to operate at an average of 100dB(A) leq. Engineers will be required to mix at 100dB(A) leq over a one minute average.

Line System with Analogue Split

Custom SSE Audio Line system including:

- 48 x XLR input, 16 x XLR Output
- 3 x VDM 150 Output
- 4 x EtherCon Input
- 2 x Powercon output.

Stage monitoring system

- 1 x Allen & Heath i-Live (T112 surface) with IDR 48-channel mix rack
- 10 x Martin Audio LE1200 Monitors (10 plus listen wedge)
- 14 x mono mixes via BSS Soundweb 9088iis digital processor units (maximum 12 wedges to include listen wedge plus stereo side fill)
- 1 x side fill system comprising 4 x Nova E18 sub units; and 2 x Nova EH15, 15-inch, 2-way horn loaded coaxial speakers driven by 2 x Nova Acoustics X2000 Power Amplifiers.
- 2 x Martin Audio F12+ Monitors
- 5 x Nova Acoustics X2000 Power Amplifier (driving Martin LE1200 monitors, listen wedge is driven by a spare channel of identical X2000 amplifier from PA drive)
- 1 x MA1.6s Martin Audio 2 Channel Power Amp (drives F12 pair)
- 1 x Nova Acoustics BA18 Drum Sub driven by 1 x EV Q1212 2 Channel Power Amp

Microphones and Accessories

- 4 x Shure Beta 58
- 7 x Shure SM 58
- 3 x Shure Beta 57
- 4 x Shure SM 57
- 1 x AKG C451B
- 2 x AKG C414 XLS (matched pair)
- 1 x Sennheiser MD421
- 1 x Shure Beta 91A
- 1 x Shure Beta 52A
- 1 x Audix D6 Kick
- 2 x Sennheiser E606
- 4 x Sennheiser E904
- 2 x Audix i5
- 2 x AKG P170 Microphone (matched pair)
- 15 x Tall Boom Microphone Stands
- 12 x Short Boom Microphone Stands
- Van Damme microphone cables and stage boxes.

DI boxes (11 mono DI channels available)

- 2 x Radial J48 active
- 2 x BSS AR133 active
- 1 x Klark Teknik DN100 active
- 1 x Radial PROD2 stereo passive
- 1 x Radial PROD1 mono passive
- 3 x Behringer Ultra-Di 100 active

DJ system

- 1 x Pioneer DJM800 DJ mixer
- 2 x Pioneer CDJ 1000 MkIII.

Lighting control

- Avolites Quartz with side wing
- 4 x Zero 88 DMX 6-way Dimmer Pack
- 2 x Single DMX universes available. One belongs to the house rig and a second is available between FOH and stage for visiting systems. There is a spare Cat5e should anyone need to run DMX over this.

Lighting fixtures (see plot for more info)

- 4 x Martin Mac 301
- 4 x Robe Colorspot 575 AT
- 4 x 2 Cell Molefay
- 4 x Selecon 650w Fresnal with Barndoor
- 9 x Selecon Pacific Profile 45°-75° degrees
- 12 x PAR 64 1000w
- 7 x Chauvet LED Slim PAR PRO (3 of which optional)

Visual system

- 1x Mitsubishi FL7000U Widescreen Projector (XGA 5000ansi)
- 1 x EiKi LC-XG250L 4000 lumens projector (provides back-up but smaller image)
- 1 x Motorised projection screen at rear of stage, image dimensions approximately 4m x 3m depending on source specification
- 1 x Kramer VP-728 8 input digital scaler/switcher,
- 1 x Kramer VP-729 9 input digital scaler/switcher, portable for use with visiting system inputs and for transmission to projection system via installed spare CAT5e from FOH

Power

- FOH Power is 32A single phase distributed into RCD protected 2 x 16A and 2 x 13A sockets.
- The building, including the adjacent Town Hall, uses a 400A per phase intake head. Power available in addition to that hard wired for main PA, FOH and stage lighting rig currently consists of:
 - 1 x 5-pin CEE 63A 3 phase supply located on stage – no distribution or protection supplied, hirer must supply along with competent operator. Please note phase 1 is strictly for audio only; lights can use phase 2 and 3.
 - 1 x 3-pin CEE 32A single phase supply located on stage intended for simple temporary lighting packages – no distribution supplied. Local RCBO protection is in the local distribution board. This supply is on phase 2.

Miscellaneous

- Three-way wired stage comms system between FOH, stage and control room/production office
- 4 x stage riser sections are available for drums/keys etc, each at 2m(w) x 1m(d) 1ft high
- Stage dimensions: 10m(w) x 6m(d) x 1.4m(h). Useable area for sight lines is 7m(w) x 5m(d). Stage access is stage left only
- Rear stage door clearance dimensions (for loading in large items to stage via Town Hall ramp) 1.9m(h) x 1.56m(w)
- Our rear stage backdrop bar is on a winch, and can accommodate a maximum banner width of 7.6m and a drop of up to 7.8m
- The site has a shared licence in place for Ch38 radio microphones which can be brought in and used without additional licensing.