

FAIRFIELD HALLS



CONCERT HALL

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Address: Fairfield Halls, Park Lane, Croydon, London, CR0 1JD

Main Contacts

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Please note that the information contained within this Tech Spec subject to change. To ensure the smooth running of your event, all technical requirements must be confirmed ahead of your arrival.

Get-In / Access

Via rear loading bay accessible from Barclay Road to lower ground floor of halls.

Access to Concert Hall via goods lift to level 1.

Direct level access from Stage Right level 1.

Lift Dimensions: W1778mm x H2032mm x L4083mm. 2 Tonne SWL.

2 x 16.5m HGVs can be unloaded simultaneously whilst number 3 waits. Loading bay is at 1m to be level with rear of HGV.

4 x Parking spaces **or** 1x parking space + HGV

Dimensions & Staging

Front of main platform to front of choir stalls: 8.8m

Front of stage extension to front of choir stalls: 10.9m

Stage Extension: 2.1m

Dance Floor (Flat Floor) to front of choir stalls: 15.51m

Width (at widest point): 18.7m

Width (at front of choir stalls): 10.7m

Height to rear canopy: 10.5m

Height to flat section of front canopy: 10.4m

Maximum Stage Capacity: 100 persons – No Stage Extension
170 persons – Stage Extension and rows A&B Removed
247 persons – Choir Stalls

Main platform consist of 15 riser units that vary the height auditorium level to 914mm above. Within the main platform 9 of the riser units are divided into 3 rows, the front row can be raised to 1219mm above the auditorium level, row 2 can be raised to 1524mm and row 3 to 1828mm.

Forestage extension requires the removal of 2 rows of seats (79 seats).

For a larger performance area, the front 5 rows can be removed and the whole platform can be dropped to auditorium level.

The choir stalls contains 247 seats.

Please note, the Concert Hall is licensed for seated events only.

Soft Masking:

8 x	4m wide, 9m long black wool serge drapes for masking choir stalls
1 x	18m wide x 3m deep boarder, black wool serge with conduit pocket
2 x	3m wide x 14m long Legs, black wool serge.

Additional Equipment – Please be aware that equipment is shared across the site. Please prearrange equipment hires to confirm availability, POA.

Staging:

6 x	8ft x 4ft Litedeck risers, available with 1ft or 2ft legs
2 x	6ft x 4ft Litedeck risers, available with 1ft or 2ft legs
5 x	Rolls of Harlequin Dance floor – 2m x 10m

Rigging

The House PA is permanently rigged, the two-line arrays can be hidden above the sound canopy behind a motorised door, central speech reinforcement speaker can be lifted out of view.

Motorised Hoists: Steel ladder bar, 250 mm high, top and bottom chord \varnothing 48.3 mm
Bars 5 and 7 to 10 with extension at each side at bottom chord
The ladder bars can be removed, replaced by weights to keep the wire ropes under tension and raised above the canopy so that they are out of sight
Power and data are fed to the bars via cable reelers serving bars 2, 4, 8, 11 and 12. Power and data can be fed to the other bars on a temporary basis.

Choir Curtain: Bar Length: approx. 24 m run, shape follows the shape of the choir area
Position: 200 mm away from choir seating balcony front
Curtain: 10.5 m high (bottom-top) (less at sides above entrances) or folded to 8.2 m height to show balcony front

Additional suspension points can be created throughout the stage and drop through additional openings in the canopy, e.g. for the suspension of chain hoists/

Downstage/ front canopy

Via suspension plates, which can be attached along the up/down-stage beams at roof level.

Plates attached to lower flange of the up/down-stage beams or the upper flange where possible

At the sides suspension plates are not needed and suspension lines (not provided) can be attached directly to the secondary steelwork

SWL: 2150 kg per suspension point only vertical loads accepted, no horizontal loads (to be confirmed by structural engineer)

Upstage/ rear canopy

Via individual suspension/bridles (not provided) on the secondary steelwork in between the permanently installed hoists

No	Distance from stage edge (TBC)	SWL	Travel	Bar length	speed	Position, type
1	-671 mm	1000 kg, cantilevering ends @ 50kg/m; 225 kg point load below each pick-up	16.1 m	15.92 m	5 m/min, soft start	Attic, Line shaft hoist
2	154 mm	1000 kg, cantilevering ends @ 50kg/m; 225 kg point load below each pick-up	16.1 m	15.92 m	5 m/min, soft start	Attic, Line shaft hoist
3	3863 mm	1000 kg, cantilevering ends @ 50kg/m; 225 kg point load below each pick-up	13.1 m	15.92 m	5 m/min, soft start	Attic, Line shaft hoist
4	4314 mm	1000 kg, cantilevering ends @ 50kg/m; 225 kg point load below each pick-up	13.0 m	15.92 m	5 m/min, soft start	Attic, Line shaft hoist
5	5291 mm	1000 kg, cantilevering ends @ 50kg/m; 225 kg point load below each pick-up	12.9 m	15.30 m + 2 x 0.26	5 m/min, soft start	Attic, Line shaft hoist
6	6122 mm	1000 kg, cantilevering ends @ 50kg/m; 225 kg point load below each pick-up	11.3 m	10.9m	5 m/min, soft start	Ceiling above canopy, Line shaft hoist
7	6861 mm	1000 kg, cantilevering ends @ 50kg/m; 225 kg point load below each pick-up	11.3 m	13.71 m + 2 x 0.26	5 m/min, soft start	Ceiling above canopy, Line shaft hoist
8	7957 mm	1000 kg, cantilevering ends @ 50kg/m; 225 kg point load below each pick-up	11.3 m	12.60 m + 2 x 0.26	5 m/min, soft start	Steelwork ceiling above canopy, pile-wind winch
9	9244 mm	600 kg, cantilevering ends @ 50kg/m; 225 kg point load below each pick-up	11.3 m	11.29 m + 2 x 0.26	5 m/min, soft start	Steelwork ceiling above canopy, pile-wind winch
10	10238 mm	600 kg, cantilevering ends @ 50kg/m; 225 kg point load below each pick-up	11.3 m	10.28 m + 2 x 0.26	5 m/min, soft start	Steelwork ceiling above canopy, pile-wind winch
11	12043 mm	600 kg, cantilevering ends @ 50kg/m; 225 kg point load below each pick-up	11.3 m	9.31 m	5 m/min, soft start	Steelwork ceiling above canopy, pile-wind winch
12	14468 mm	1000 kg, cantilevering ends @ 50kg/m; 225 kg point load below each pick-up	11.3 m	3.72 m	5 m/min, soft start	Steelwork ceiling above canopy, pile-wind winch

Sound

Equipment included with space - Mixer position in centre stalls.

Sound Desk: Digico SD12 with optical and Dante. Digico D-Rack with 32/8 connected by fibre.

(Show file is available upon request)

House PA: Flown left and right arrays; 10 x d&b Q1 per side
Flown left and right subwoofers; 4 x d&b 27A-Sub per side
Flown centre speech array; 3 x d&b Ti10L
Side fills; 1 x d&b E8 per side
Royal Box fills; 2 x d&b E6
Under Balcony fills; 4 x d&b E8
Balcony fills; 4 x d&b E8
Side box fills; 8 x d&b 5S
Deployable Front Fills; 6 x d&b E6
Deployable Choir Stalls Fills; 5 x d&b E6
Deployable Stage Subwoofers; 2 x d&b B2 SUB
d&b power amplifiers for the PA system are installed in the stage right sound rack room.
QSC power amplifiers for surround loudspeakers are installed in the projection room with audio distribution over Q-LAN network.

Flown arrays can be lifted above the canopy.

Comms: 8 x Clearcom Partyline PS-702 with single ear headsets.

Prompt Desk: Installed stage left with GDS Cue Light Control (8 boxes available). Paging microphone, dual channel intercom and dual screens.

Show relay: 1 x Sennheiser Rifle mics supply to BOH paging system. This also feeds in the Sennheiser assisted listening infrared system.

Video Relay: PTZ HD Colour camera mounted on circle front for full stage picture. Monitor built into prompt desk.

Power:

Substage:	2 x 63A SPN Cee-Form
	2 x 32A SPN Cee-Form
Stalls:	1 x 32A SPN Cee-Form
Control Rm:	1 x 63A SPN Cee-Form
Grid:	2 x 63A SPN Cee-Form

Additional Equipment - Please be aware microphones, DI Boxes, stands and monitors are shared across the site. Please prearrange equipment hires to confirm availability, POA.

Microphones: 6x Sennheiser EW-100 G4 Radio mic kits - supplied as either handheld, lapel, or headset.

12 x Shure SM58
8 x Shure SM57
6 x Sennheiser E614
3 x AKG PCC-160 Crown PZM Boundary Mics
1 x Sennheiser 504296 E600 Drum Mic Set
6x Audio Technica AT875R Shotgun Mics

DIs: 4 x Behringer ZB015 DI100 Mono Active DI

4 x Behringer ZB111 DI20 2 Channel Active DI
6 x Emo 20-031 E520 Direct Injection Box - 1ch

Misc: 6 x K&M One Hand Clutch Tall telescopic stand with cast iron round base
12 x K&M Tall telescopic boom stand
6 x K&M Short boom stand
Various lengths of XLR

Monitors: 4x Martin Audio CCD-8 active speakers.
8x RCF NX 12-SMA Active Stage Monitors.
1 x RCF SUB 905-AS II 15" Bandpass Active Subwoofer

DJ Kit: 1 x Pioneer DJM750MK2 Pro Mixer - 4ch 32-bit
2 x Pioneer CDJ350K DJ Controller for Rekordbox

Lighting

Equipment included with space.

Control: ETC Gio with 2 screens as primary control.
(Show file is available upon request)
ETC RPU for show tracking / back-up.
1 x ETC Net3 4 Way for touring desk.
2 x ETC Net3 4 Way in dimmer room for DMX patching.

Dimmers: ETC Sensor 3, CEM 3.
89 x 15a (3kw) dimmable circuits (ETR15AFR modules, dimmable / hot power switchable)
7 x 25a (5kw) dimmable circuits (ED25AFR modules, dimmable).

Fixed Lighting: 51 x S4 Pars over the stage within the canopy.
12 x S4 26d Profiles permanently rigged on FOH towers.
28 x ColorSource LED Pars

Power: Substage: 2 x 125A TPN Cee-Form (Also used to power the banners and platforms)
2 x 63A TPN Cee-Form
2 x 32A TPN Cee-Form
2 x 16A TPN Cee-Form
2 x 32A SPN Cee-Form
6 x 16A SPN Cee-Form

Control Rm: 2 x 32A SPN Cee-Form
2 x 32A SPN Cee-Form dedicated followspot power.

Grid: 3 x 63A TPN Cee-Form

Earthing Arrangement: TN-S

Electrical records and certificates may be requested if deemed necessary by Fairfield Halls/BH Live, and use of equipment may be refused if this information cannot be provided, or if equipment or installation is deemed unsafe.

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Loose Lighting: 18 x ETC Source 4 Zoom 15/30.

12 x ETC S4 19d Profiles.

30 x ETC Source 4 Fresnel HPL750.

3 x Box of 6 Chauvet Freedom Flex Uplighters

6 x Admiral Vintage Luminaire – 53cm dia

Followspots: 2 x 2500w RJ Cyrano located either side of the control room.

Effects: 2 x Chauvet Amhaze Stadium Hazers.

AV: Panasonic 8000 lumen laser projector (1920 x 1200) w/flying cradle.

Standard Zoom lens

Wide lens

11' x 6' screen including front and rear screens

3x 55" Samsung 55" TVs with stands

Clicker and receiver

Perspex Lectern

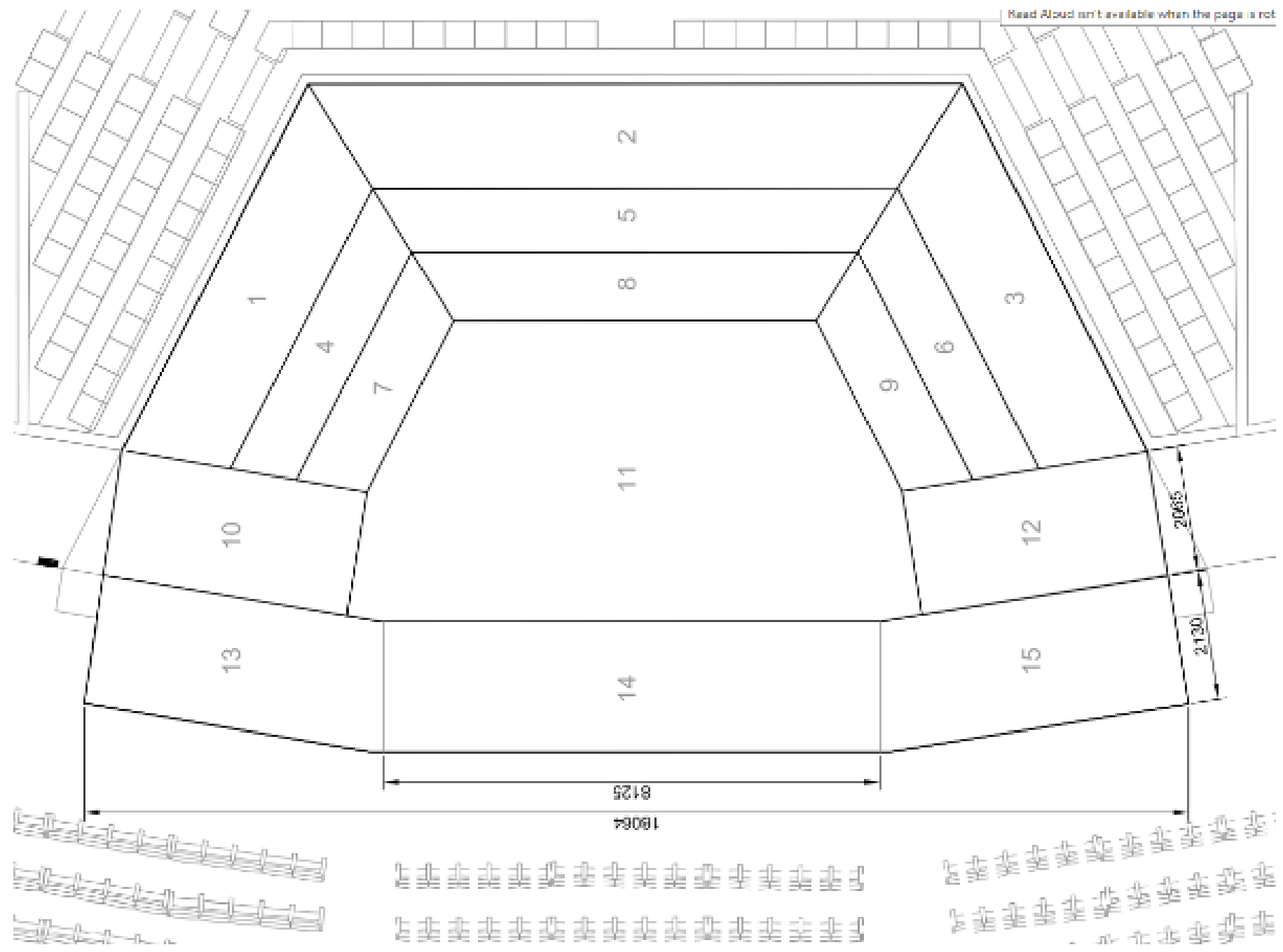
Orchestral

Equipment:

Chairs:	70 x Amadeus Musicians Posture Chair, Black (can be supplemented with black armless banqueting chairs).
Music Stands:	50 x RAT stands Opera Stand 1x RAT stands Opera Conductors Stand
Podium:	1x RAT stands 1m x 1m SpeedDeck Conductor's Rostrum with rail
Piano:	Hire options available upon request.
Organ:	Hire of Harrison and Harrisons Organ available upon request.

We endeavour to ensure that this Technical Specification is kept up to date, current and comprehensive.

We have a network of suppliers that can provide additional equipment when required. If you do require something that has not been detailed in this specification, please do contact us and we will do our best to fulfil your request.





Fixtures 1 – 200 = Dimmer 1 – 200.

Fixture 201 – 228. DMX 201 – 368

ColorSource Par DB Direct

6 Channel Mode