

TECHNICAL SPECIFICATION

1st June 2005

PLANS & GENERAL LIGHTING RIG

All current plans are attached. A set of notes outlining the focus and patch details of the general lighting rig is also attached. This general rig can be in place in the theatre should you require it, but if you don't, you should still be prepared to restore the rig to the general state as part of your get-out.

THEATRE DIMENSIONS

Access: The Studio Theatre is located on the Second Floor. Access is via the front door of the building and five flights of stairs. The following dimensions are intended to give a rough idea of the restrictions on scenery size. Standard 8' x 4' flats will **not** fit up the stairs; 7'10" x 4' will!

Minimum width of stairs: 1100mm

Height of doorways: 1950mm

Maximum turning circle diameter on stairs: 2400mm

Seating: The Theatre has a capacity of **50** persons. The seating stand can be placed in three alternative positions: **end-on**, with the stage opposite the Studio entrance, **side-on**, with the stage on the right of the Studio entrance and Control Box and **In-The-Round** using the black folding chairs.

Total width of space: 8055mm

Total depth of space: 9910mm

Clearance under roof supports: 2440mm

End-on stage width (neglecting alcove SR): 7595mm

End-on stage depth: 4365mm

Side-on stage width: 9910mm

Side-on stage depth: 4180mm

In-The-Round Varies

Please note that fire regulations prevent any scenery from being within 305mm of the front of the seating stand, which reduces the areas for scenery from those given above.

STAGE

The Studio has black walls and a light wooden floor. The ceiling is panelled in a darker wood. There are black drapes in the alcoves. The floor is easily damaged and expensive to repair; it can not be painted or screwed into.

Stage equipment: 6 x 2380mm x 1220mm black masking flats
6 x 2m stage braces
6 x stage weights
1 x hanging window frame, stained to match the floor
1 x 1.4m step ladder
1 x 1.9m step ladder
tables (various sizes) for use onstage or as props tables
2 x desk lamps for use as working lights
1 x telephone ringer & telephone
2 x practical doorbell

Onstage power is provided by 10 x 13A sockets, all of which are RCD protected. There is no masked backstage area. There is a choice of both backdrops – black or white; please check separately whether there would be anything appropriate to your needs.

COMMUNICATIONS

There is an extensive show relay system with speakers in almost all areas. Backstage calls can be made from the Control Box. Calls to all areas can be made from the Theatre Office. The show relay can be turned down at all points; the calls can not. There is no communication system for within the Studio.

SEATING

The seating stand comprises 5 raked rows of 10 seats (total capacity: 50), with a central aisle, accessed from front or rear. There are also 50 identical folding steel chairs and 5 plastic bucket chairs for use onstage.

DRESSING ROOM

The Dressing Room is located on the First Floor and accommodates 2-6 comfortably. There is hot and cold running water in both the Dressing Room and the (Front Of House) toilets.

LIGHTING

Lighting control: ETC Express 24/48 (with Version 3.03 software), controlling 48 channels (DMX512 protocol): fully programmable. Can also be used as 2-preset 24-way manual desk, a single-preset 48-way manual desk, or a single-preset 24-way manual desk with 24 programmable submasters.

	Jands Event 24 (with Version 3.0 software) - now a fairly old board, but available if really needed.
	1 x DMX input located in the Control Box
	3 x DMX outputs (chained) located: one at the midpoint of each side-bar (end-on) & one at the dimmer rack
Dimmers:	Strand LD90: 24 x 2.5kW dimmers, capable of supporting virtually any kind of load
Non-dims:	3 x 2.5 kW Stage Electrics proprietary DMX non-dims
Patch outlets:	48 x IWB 15A outlets located in main grid 20 x IWB 15A outlets located in side bars (end-on) 8 x 15A stagebox outlets, located in 4 pairs at the corners of the end-on stage
Lighting grid:	Main grid height: 3.2m Side bars (end-on) height: 2.5m Back bar (end-on) height: 2.6m
Houselights:	1 x 5kW Strand Multidim dedicated DMX houselight dimmer, normally configured with the 6 x Par 16s in the lantern stock Working light is provided by a number of fluorescent tubes mounted on the ceiling
Cabling:	7 x grelco (15A double plug) 4 x 13A-15A jumper (plug to socket) 2 x 15A-13A jumper (plug to socket) 1 x 5m DMX cable 4 x 1m DMX cable 3 x DMX-XLR & XLR-DMX converter pairs (for extension via mic cable) 1 x 13A 4-way block (with 5m cable) 1 x 6m 13A extension lead Assorted 15A TRS (0.5m to 10m lengths); enough for own stock
Miscellaneous:	6 x GelStream 100 Scrollers (12-16 colours, DMX controlled) for Preludes (150mm back-plate); pre-loaded with house scrolls 8 x GH60 gobo-holders for Selecon 22/44 or 18/34 (M) 4 x GH06 gobo-holders for Prelude 16/30 & 28/40 (B) 4 x 20-leaf iris for Selecon 22/44 or 18/34 2 x 18-leaf iris for Prelude 16/30 & 28/40 1 x practical pendant fitting

Stands: 1 x extendable (1m to 2m) lighting stand
 5 x bench stands
 2 x bench tripods
 Assorted spigots, clamps, boom arms and scaff

LANTERN STOCK

All lanterns have hook clamp, safety chain and colour frame. The theatre has a reasonable stock of common filters and a very few useful gobos. If you have specific needs for either filters or gobos please check in advance; with sufficient notice we are willing - within reason - to expand our stock to accommodate your requirements. We can also order custom scrolls if required.

Name	No	Type	Power	Beam angle	Frame size	Notes
Selecon 24/44	8	Profile	650W	24 - 44°	125mm x 125mm	All with shutters, 4 irises. M size gobos
Selecon 18/34 lenses	4	Lenses for profile	N/A	18 - 34°	125mm x 125mm	Lenses for use on Selecon profile bodies
Prelude 16/30	2	Profile	650W	16 - 32°	150mm x 150mm	B-size gobos
Prelude 28/40	2	Profile	650W	28 - 40°	150mm x 150mm	B-size gobos
Selecon F	10	Fresnel	650w	8 - 65°	125mm x 125mm	All with barndoors
Prelude F	3	Fresnel	650W	9 - 40°	150mm x 150mm	All with barndoors
Patt 743	6	Fresnel	1000 W	15 - 82°	210mm x 210mm	5 with barndoors
Minim PC	3	PC	500W	7 - 47°	125mm x 125mm	All with barndoors
Selecon PC	10	PC	650w	7 - 65°	125mm x 125mm	All with barndoors
Prelude PC	6	PC	650W	7.5 - 55°	150mm x 150mm	All with barndoors
Par 16	6	Parcan	50W	21° 38° 60°	78mm x 78mm	Different (stock) lamps give 3 different beam angles
Source Four Par	6	Parcan	575W	8° (VNSP) 10° (NSP) 12°x19° (MFL) 16°x33° (WFL)	190mm x 190mm	Different (stock) lenses give 4 different beam angles
Minuette Flood	2	Asymmetric flood	500W		220mm x 230mm	

SOUND

Playback sources: 1 x Sony MDS-JE520 MiniDisc player
1 x Sony MDS-JE530 MiniDisc player with pitch control
1 x Denon DN-600F CD player with pitch control
2 x Denon DRM-540 single cassette deck

Processing: 1 x Lexicon Stereo Effects unit with 16 preset programs
1 x BSS Opal FCS966 constant Q graphic equaliser (stereo)

Reinforcement: 2 x Shure SM58 microphone
1 x Soundcraft Spirit Live 4 12+2:4:2 mixer
1 x Carver PM700 2x225W into 8 ohm stereo amplifier
2 x Martin CT2 speaker (flown)
1 x AKG K240 pair of closed-ear headphones

Stands: 2 x microphone boom stand

Cabling: 1 x 25m multicore with 16 x XLR returns & 8 x A-gauge jack sends
6 x 10m mic cable
2 x 5m mic cable
2 x XLR (f) - 3-pole A-gauge jack cable (2m)
2 x 3-pole A-gauge jack - XLR (m) cable (2m)
12 x phono - 2-pole A-gauge jack cable (2m)
4 x XLR (f) - XLR (f) converter
4 x XLR (m) - XLR (m) converter
4 x XLR (f) - 3-pole A-gauge jack converter
4 x 3-pole A-gauge jack - XLR(m) converter
4 x XLR (f) - 3-pole jack socket converter
4 x 3-pole jack socket - XLR(m) converter
2 x 3-pole A-gauge jack - pair 2-pole jack sockets converter
All necessary cabling to have system permanently wired for easy record and playback, including CD to MD and MD to MD digital copying

We are occasionally able to hire additional equipment (particularly microphones) at a nominal cost from The Oxford Playhouse - please check in advance if there is anything extra you may need. Similarly, the Oxford Playhouse has access to a multitrack hard-disk recording system (ProTools Project 4.1.1) for digital audio editing, again at an additional nominal cost.