

MAST

Mayflower Studios

TECHNICAL SPECIFICATION

STUDIO 1

OCT 2021

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General Information

Address:

MAST Mayflower Studios
142 - 144 Above Bar Street
Southampton
SO14 7DU

The Loading Bay located at rear of building on **PARK Walk**

Contacts:

Technical & Production			
Andrew Quick	Operations & Production Manager	02382 543604	andrew.quick@mayflower.org.uk
Neil Starke	Technical & Production Manager	07730 560602 02382 543605	neil.starke@mayflower.org.uk
Wendy Francis	Production & Office Administrator	02382 543614	wendy.francis@mayflower.org.uk
Alex Rolfe	Senior Technician	02382 543623	alex.rolfe@mayflower.org.uk
Ben Taylor	Senior Technician	02382 543624	ben.taylor@mayflower.org.uk

Front of House			
Reception	-	02382 543600	-
Collette Hunter	Customer Operations Manager	02382 543606	collette.hunter@mayflower.org.uk

Access: MAST is located on the first floor, access to stage during fit up is via a goods lift. The goods lift is 6m x 3m x 2.8m and travels from the ground floor to both Studio 1 and Studio 2.

Green Room: Located on level 1 with Tea & Coffee making facilities as well as fridge freezer, microwaves & dishwasher.

Dressing Rooms: There are 3 dressing rooms on level 1 for Studio 1, Dressing Room 1 will accommodate 2 people comfortably and is fully accessible with an accessible shower, toilet and sink. Dressing Room 2 will accommodate 3 people comfortably and has its own sink and shower. Dressing Room 3 will accommodate 4 people comfortably and has its own sink and shower. There is an accessible toilet in the corridor between the dressing rooms. There is step free access to the stage from all 3 dressing rooms and they all have audio and video show relay feeds. Additional tables and chairs are available to create further spaces in each of the dressing rooms.

Crew: Available as required; minimum of two crew with at least one Duty Technician is required to operate Studio 1. BECTU/UK Theatre rates.

Stage Door: Please note stage door is unmanned and all access is via the reception front of house.

Access: There is step free access via lifts to all backstage areas
All toilet facilities backstage are also fully accessible.

Policies: House opens thirty minutes prior to curtain up.
Normal performance times are 19.30 evening performance & 14.30 matinee.
Smoking is not permitted in the building, smoking area located in park adjacent to stage door.
No person involved with a production to have consumed alcohol within eight hours prior to starting work.

Parking: There is not any parking facilities at the venue itself, there is however multiple pay & display car parks within a short walking distance of the venue.

DSM Position: Due to the tight wings, our default DSM position is in the control room. Located behind the main seating bank, under the balcony. This position is equipped with both colour and night vision cameras, cue lights and paging system.

STAGE

Format Capacities	
End On	449
In The Round	384
Thrust	467
Traverse	466
Flat Floor (Standing)	600

Loading Capacity

Distributed floor Load 7.5kN/m²

Concentrated floor Load 9.0kN/m² (300mm x 300mm patch)

Stage Dimensions	
Stage depth to back wall	9040mm
Stage depth to furthest US fly bar	7500mm
Stage depth without pit matrix seating	14120mm
Stage Setting Line	US edge of Orchestra Pit Platforms
Proscenium Width	11600mm Max (+ adjustable 520mm returns)
Maximum Proscenium Height (Adjustable)	6100mm
Width Between Fly Floors	11600mm
Stage height (from Auditorium)	780mm max (depending on adjustable pit)
Orchestra Pit depth	780mm max
Height to grid	11000mm
Height to Fly floor Underside	61000mm

Counterweight Flying System

MAST is equipped with 24 x Single Purchase Counterweights at 300mm centres.

Bars are 11m with 800mm bar extensions either end.

Max SWL per bar – 350kg UDL

Drapes, Flattage & Floor	
Drapes	
Border – 11m x 3m	5
Half Black – 11m x 5.5m	1
Full Black – 12m x 9m	1
Split Black – 6m x 5.5m	1
White Cyclorama – 10.6m x 5.8m	1
Soft Legs – 2m x 6m – 6.2m	10
Flattage	
Hard Masking Flats – 1.2m x 6.1m	12
Cinema Screen Ground Row – 10m x 1.25m	1
Floor	
Dark Grey Dance Floor – 12.4m x 2m – 2.2mm Thick	4

Access Equipment

1 x Genie AWP 40s – Max working height 12.29m

1 x Genie Runabout GR15 – Max working height 6.52m

1 x 14 Rung Zarges

1 x 12 Rung Zarges

4 x Stepladders

Power

USL:

2 x 63A 3 Phase *One Reserved for clean sound power

1 x 125A 3 Phase

Around The Stage:

13A Technical Power

13A Clean Sound Power

LIGHTING

Control & Dimming	
ETC GIO (4096 Parameters and 2048 Parameters)	2
ETC PUCK (Run as backup)	1
ETC Nodes (2 Port)	11
ETC Show Control Gateway	1
ETC SENSOR 3 Thru Power	188
ETC SENSOR 3 RELAY	4

Please Note: We are a 16A house, all dimmer outlets are terminated in 16A, we hold a very limited stock of 15A adapters. We also have no traditional 5pin DMX outlets, we are networked based and have a stock of ETC 2 Port Nodes.

Lantern Stock		
Profiles	ETC Source 4 15-30 Zoom (750w)	24
	ETC Source 4 25-50 Zoom (750w)	12
	ETC Source 4 Fixed 19° (575w)	4
	ETC Source 4 Fixed 26° (575w)	4
	ETC Source 4 Fixed 36° (575w)	12
	ETC Source 4 Fixed 50° (575w)	12
Fresnel's	SELECON RAMA (1200W)	24
	SELECON ARENA (2500W)	4
Pars	ETC Source 4 PAR (VNSP, NSP, MFL & WFL Available)	34
	PAR64 Floor Cans (Chrome)	12

Additional lens Stock	
10°	4
36°	2
Lustr Cyc Adaptors	18

** Additional Equipment **		
LED	ETC Lustr 2 – Lenses to be borrowed from conventional stock	18
	CHAUVET ColourDash Quad 18 LED PAR	10
Effects	Martin Atomic 3000 Strobe	2
	UV Cannon	2
	Molefay- 16 Cell MR16	2
	Mirrorball (500mm)	2
	Mirrorball (1000mm)	1
	Chauvet Funfetti Cannons	2
	Bubble Machines	2
Atmospherics	Look Solutions Unique Hazer 2.1	4
	Look Solutions Viper 2.1	1
	Look Solutions Viper NT	1
	Look Solutions Power Tiny	1
** Subject To An Additional Hire Fee & Availability **		

Accessories	
<p>We Hold A Limited Stock Of The Following Items:</p> <p>Gobo Holders Iris's 250mm Boom Arms 500mm Boom Arms 1000mm Boom Arms 1000mm Better Boom Arms Tank Trap Fixed Tank Trap Wheeled</p>	
Top Hat Stock	
Source 4 Fixed 75mm	2
Source 4 Fixed 125mm	11
Source 4 Fixed 10° / Par 64	6
Source 4 Zoom / Par	12
Gobo's	
A gobo inventory is available with the quantity and sizes of the in house gobos	

SOUND

Control & Playback	
DiGiCo SD9 – Stealth Core 2 (9.2.9)	1
DiGiCo D-Rack – Installed Permanently in Amp Room	1
DiGiCo D-Rack – Floating	2
DiGiCo Orange Box – MADI & Dante Cards Installed	1
Dual Redundant QLab Rack – MADI based	1

Amplifiers	
Installed	
EM Acoustics AQ10	2
EM Acoustics AQ3	2
Portable Amp Rack	
EM Acoustics DQ20	1
EM Acoustics AQ3	1

Speakers		
Fixed FOH System		
EM Acoustics EMS129	Stalls Bleachers L&R	2
EM Acoustics EMS126	Circle L&R	2
EM Acoustics EMS81X	Stalls Pit L&R	2
EM Acoustics EMS115	Subs	2
EM Acoustics EMS51	Surrounds	16
EM Acoustics EMS51	Circle Slips Fill	2
EM Acoustics HALO-C	Centre Hang	6
Additional Boxes		
EM Acoustics EMS81X		2
EM Acoustics EMS51		4
EM Acoustics MSE218		2
EM Acoustics MI2 Monitor Wedge		4
Meyer Sound UPM		4

Microphones	
Wireless	
Sennheiser Beltpack Radio Mic (Check availability of mic heads)	14
Sennheiser Handheld Radio Mic	5
Wired	
Shure SM58	5
Shure SM57	8
Shure Beta 52A	1
Sennheiser e604	6
AKG SE300B	4
AKG C747 – with clip and banquet bases	3
AKG 414	3
Audix D6	1
Audix I5	1
AKG C451	3
AKG C518	3
AKG C519	1
BSS AR133 Active DI Box	6
Behringer Ultra DI	4
Electro Voice RE20	1
AKG PCC 160	3
DPA Core 4099	1
** Subject To An Additional Hire Fee & Availability **	

Wireless RX Racks	
Sennheiser G3 – 10 Way (3x ASA + Network Switch + M)	
Sennheiser G3 – 4 Way (2x ASA + Network Switch)	
Sennheiser G3 – 2 Way	
** Subject To An Additional Hire Fee & Availability **	

Accessories	
K&M Tall Boom Mic Stand	16
K&M Short Boom Mic Stand	6
Round Base Straight Mic Stand	2

Communications	
Comms System	
Clearcom MS-702 (Situating In Prompt Desk)	1
Clearcom RS-702 Beltpack	12
Clearcom CC-110 Headset (Single Muff)	12
Clearcom CC-220 Headset (Double Muff)	2
Cue Light System	
GDS 12 - Way Master Station	1
GDS 8 - Way Station	1
GDS Cue Spider	10

Venue Information
<p>Power</p> <ul style="list-style-type: none"> • 63A TPN+E located USL (100mA Earth Leakage Protection) • Distro Available to Single Phase 63A, 32A and 16A
<p>Control Position</p> <ul style="list-style-type: none"> • Auditorium Circle – Rear, Centre • 2000x900mm • Be advised there are a number of steep steps to this position • Room for 3 Racks plus console
<p>Hearing Assistance System</p> <ul style="list-style-type: none"> • Sennheiser SR2050 <ul style="list-style-type: none"> ○ Show Relay – 630.100 ○ AD (When Available) – 630.500 • 15 x EK1039 Receivers

VIDEO

Projectors & Lenses	
Panasonic PT DZ13KE Projector	2
ET-D75LE6 – 0.9 to 1:1:1 (Narrow)	2
ET-D75LE10 – 1.3 to 1:7:1 (Medium)	2
ET-D75LE20 – 1.7 to 2:4:1 (Wide)	2
** Subject To An Additional Hire Fee & Availability **	

Accessories
<p>We Hold A Limited Stock Of The Following Items:</p> <p>HDMI Cable</p> <p>SDI Cable</p> <p>Black Magic HDMI to SDI Converters</p> <p>Black Magic SDI to HDMI Converters</p>

Studio 1 is equipped with the following digital cinema system, Configured for 5.1 audio playback.

The screen is installed on chain hoists situated 4000mm from the down stage edge of the stage.

Cinema System	
<i>Barco DP2K-12 C Digital Cinema Projector with ICMP</i>	1
Datasat AP20 Audio Processor	1
Cine Pro Screen 8000 x 340mm	1
Denon DN-500BD BluRay Player	1
IceCrypt S6600HD Satellite Receiver & Satellite	1

WARDROBE

The laundry is located on level 1, with quick and easy access to the goods lift and Studio 1 dressing rooms.

The laundry facilities are shared between both Studio 1 and Studio 2.

These facilities are available for use during the buildings normal opening hours.

Equipment	
Washing Machine	2
Tumble Dryer	2
Ironing Board + Iron	1
Steamer	1
Spin dryer	1
Dri - Buddy	1

HANGING PLOT



Distance from Setting Line mm	Bar Number	Production Bar Description	Production Weight (kg)
300	1		
600	2		
900	3		
1200	4		
1500	5		
1800	6		
2100	7		
2400	8		
2700	9		
3000	10		
3300	11		
3600	12		
3900	13		
CINEMA SCREEN			
4500	14		
4800	15		
5100	16		
5400	17		
5700	18		
6000	19		
6300	20		
6600	21		
6900	22		
7200	23		
7500	24		

Max SWL per bar – 350kg UDL

Max Point Load Under Suspension Point – 235kg

Max Point Load Between Suspension Points – 80kg

Max UDL Between Suspension Points – 160kg