



# Technical Specification

Royal Exchange Theatre, St Ann's Square, Manchester, M2 7DH



## Contact

Sean Pritchard

Director of Production

[sean.pritchard@royalexchange.co.uk](mailto:sean.pritchard@royalexchange.co.uk)

Stage Door - 0161 833 9333

### ***Advance information required from visiting companies***

*Technical Rider*

*Ground plan/Elevation/Stage Plot as appropriate*

*Production Schedule/Crew calls*

*Production Risk Assessment*

The Royal Exchange Theatre module is a heptagonal in-the-round setting seating up to 759 people

### **Dimensions in mm (approx. depending on layout)**

Stage Heptagon sides 3500

Max Playing width 8000

Basket Height 6700

### **Capacity Breakdown**

Stage Level 438

First Gallery 168

Second Gallery 153

NB these figures are subject to change depending on seat removals for entrances/exits, Production operating positions, Scenic requirements, etc.



# Technical Specification

Royal Exchange Theatre, St Ann's Square, Manchester, M2 7DH

## Lighting Equipment List

<b>Control</b>	
ETC EOS Ti 4000 output	
Plotting desk in Auditorium	
Portable Net 3 gateways x5	
<b>Dimmers</b>	
346	3kW
38	3kW non-dim
42	6kW

<b>Moving Lights</b>	
7	Solaframe 1000 Hi-CRI
1	Solaframe 3000 High Fidelity (use on centre)
7	Martin TW1 80v wash light (Narrow & Standard Lens Option)
<b>Profiles</b>	
35	ETC Source 4 Lustr 2 (14 x 26°, 7 x 36°, 14 x 25/50 lens plus top hats)
40	ETC Source 4 zoom 15/30
7	ETC Source 4 zoom 25/50
2	ETC Source 4 fixed 10°
7	ETC Source 4 Mini 36°
14	Strand SL Zooms 15/32
18	Robert Juliat RJ714 2.5kW 15/40
10	Patt 23
<b>Fresnels</b>	
14	Strand Alto 2.5kW
1	Arri 2.5kW Compact HMI
21	Strand Patt 743 21
7	Strand Patt 243 2kw
10	Selecon Acclaim 500w
2	Strand Bambino 5Kw
<b>Battens</b>	
14	Lumipix RGBW ProQ12 Tour
<b>Beam Lights</b>	
100	ETC Source 4 par (VNSP, NSP, MFL, WFL)
4	Thomas Par 64 long nose
10	Thomas Par 64 short nose
2	Strand 500w beam lights
2	Aeros
14	Pin Spots
14	ADJ RGBW Saber Spots 10/45 degree
15+	Birdies 12v Black MR16
<b>Floods</b>	
8	Nocturne 1000w



# Technical Specification

Royal Exchange Theatre, St Ann's Square, Manchester, M2 7DH

<b>Smoke/Effects</b>
MDG Atmosphere AtMe
Unique 2.1
Cloud 9 Low Smoke
Viper Smoke Machine
Power Tiny
Tiny Fogger CX
Atomic Strobe 3000
Chauvet LED 150w UV Canon

## Electrical Equipment

In accordance with the Electricity at Work Regulations, all mains powered equipment brought into the Royal Exchange Theatre must be electrically safe. Evidence may be asked for that relevant safety tests have been carried out. A member of RET Production staff may refuse the use of any equipment if they consider it to be unsafe, or in the absence of appropriate certification.



# Technical Specification

Royal Exchange Theatre, St Ann's Square, Manchester, M2 7DH

## Sound Equipment List

Desk	
	Digico SD10T
	Digico RE
	SD Racks x 2 (7 x analogue Input cards, 7 x analogue output cards)
	All Digico elements connected with tour grade fibre optic cable.

Speakers	
7	KV2 EX10 (main system)
1	Meyer 650P (sub rigged in grid pointing straight down)
56	UPM1's (delays and fills)
4	UPA's (FX speakers)
4	MSL's (Hall speakers)
4	USW's
36	JBL Control 1 (18 currently installed as surround fills)
14	JBL Control 52
8	JBL Control 23
6	Tannoy CPA 5 (subs permanently installed below seating rostra on stage level)
2	EV 150's (permanently installed in dome above the theatre)
6	Concert Buttkicker mini

Outboard equipment	
	Qlab V5 supplied from 2 x MacMini M2 c/w Autograph MADI switcher
	Ableton Live 11 Standard, Mainstage 3 with Lexicon PCM Native Reverb Bundle
	Timax 2 (48in / 48out Digital Mixer Matrix, digital delay unit and image/pan spacing)

Microphones	
<b>We have a limited stock of microphones, shared across all performing spaces and projects:</b>	
3	Neuman U87
5	Shure SM58's
1	AKG 414's
1	AKG 214's
4	Neumann KMR 82i
2	AKG D112
1	Neumann KM85i
2	Neumann KM84
2	Crown PCC160
3	AKG SE 300 B with CK91 capsule
18	Contact Microphones
2	Hydrophones
<b>We also stock radio mics and IEM's:</b>	
10	Sony DWX (10 x Body Transmitters)
2	Sennheiser EW G4 (2 x Handheld)
2	Sennheiser EW300IEM G3



# Technical Specification

Royal Exchange Theatre, St Ann's Square, Manchester, M2 7DH

## **Comms**

RET has a GeenGo Comms system comprising of 4 sets of wireless comms and 4 sets of wired comms  
Prompt desk and Cue Lights available by arrangement

## **Wardrobe Facilities**

Maintenance and running facilities are available for use by visiting companies by arrangement –  
please contact Director of Production for details

## **Backstage Facilities**

There are 8 dressing room for an overall capacity of 20 people, all come with access to clothes rails,  
mirrors, wash basins, showers & toilets

A Company Office with free Wi-Fi is available by arrangement

# Technical Specification

Royal Exchange Theatre, St Ann's Square, Manchester, M2 7DH

## Parking and Access

Note that we have no on-site parking

There is a loading bay outside our Stage Door on Cross Street next to our goods lift

Do not use venue address for this - use postcode M2 7AE

What3words reference ///drank.retire.simple

## RET Goods Lift Dimensions

The lift is (mm) 3700 long x 1800 wide x 1950 high

