

Technical Specifications

Circus 1

Stage Dimensions

Wall to wall: 15.25m x 11.9m

Stage Proscenium

Minimum: 8.60m x 4.90m
Maximum: 10.60m x 6.10m

Wing widths:

Stage Left
Minimum: 2.39m
Maximum: 3.34m

Stage right
Minimum: 3.34m
Maximum: 2.39m

Forestage/Orchestra pit

Dimension 10.30m x 3.00m

Our orchestra pit rises up to ground level and substitutes as the forefront of our stage when it's not in use. Please note that using this space as either a forestage/orchestra pit renders the pit seats unusable.

Clearance

Height of grid: 10.00m

Floor

Onstage: Black vinyl dance floor
Forestage/Orchestra Pit: Hardwood strip on ply
Auditorium: Hardwood strip on ply

Please note that our stage is not raked.

Loading Facilities & Parking

The loading door for get ins/outs is situated on the stage left wall of the main stage and through our mechanised door in our dock which is at street level.

Get-in doors: 3.7m x 4.5m
Load-in doors: 2.7m x 4.5m

Please note that there is no all-day parking, access to the car park must be booked in advance for get-ins and get outs and is subject to availability during your stay.

Backdrops, Drapes & Scenery

Please ensure any drapes, backdrops or scenery is fire resistant to the appropriate level. Certificates will be required for any plastic or foam based materials.

We reserve the right to carry out controlled flame tests and to disallow the use of materials that in our opinion may not be durably flame retardant.

General requirements for set and scenery

Use of messy materials such as water, soil, foam, snow, confetti etc. should be flagged at the earliest opportunity and will be subject to approval. *Cleaning charges may apply.*

Set, truss and scenery should be self-supporting as it will not be possible to drill/fix to the floor or walls.

Dressing Rooms & Green room

We possess 3 dressing rooms which are outfitted with clothes rails, desks with mirrors and toilets/shower room. We also have a green room which has a sink, plates & cups & a kettle which we urge companies to keep tidy & return after use.

Currently we divide the rooms as follows:

Dressing room 1		Dressing room 2	
Capacity	4	Capacity	6
Allocation	Circus 2	Allocation	Circus 1
Dressing Room 3		Green Room	
Capacity	6	Capacity	5
Allocation	Circus 1	Allocation	Shared

If you require the use of all of the dressing rooms & green room or even more space please don't hesitate to contact us.

Electrical Equipment

All electrical equipment must be in good condition, without any internal cables/copper showing and must be wired in accordance with the current IEE wiring regulations.

Equipment and staff must comply with the Electricity at Work Regulations 1989, particularly in respect to the use and testing of Portable Appliances and certification produced for inspection.

The duty technician may require testing of any equipment that does not appear in good order/shows a Portable appliance certification. A charge for this service may be levied.

Rigging

All riggers must be competent and experienced, and must carry their own insurance.

All work must be carried out to current guidelines and legislation, and any lifting equipment used must have a current test certificate. The duty technician may disallow rigging at his/her discretion.

Counterweight flying

Type:	Single purchase
No. Of fly bars:	43
Length	11.2m
Distance between bars:	20 cm approx.
Maximum load:	5kN (500kg) distributed evenly

FOH Tension Grid

Loading:	1.5kN (150kg) per hanger
Max. weight on bars:	4kN, 400kg distributed evenly
Max. flying height:	9.80m

Stage Floor Loading

The floor loading conforms to BS6399, Part 1. That is a distributed load of 7.5kN or a concentrated load of 4.5kN per sq.m. These loads must not be exceeded.

Orchestra Elevator loading

Static load 7.5kN evenly distributed
Dynamic load 4.5kN per sq.m.

Rigging

All riggers must be competent and experienced, and must carry their own insurance.

All work must be carried out to current guidelines and legislation, and any lifting equipment used must have a current test certificate. The duty technician may disallow rigging at his/her discretion.

Standard Lighting Rig, projector and speaker positions

We maintain a generic rig/hanging positions for our fixtures, projector & speakers and will advise companies on the best way to utilise the space.

If any alterations to the rig are required then time to restore the rig must be factored in.

Failure to do so will infer an additional charge.

Pyrotechnics, Smoke Machines, Naked Flame, COSHH, Lasers

Please provide any details of pyrotechnics, smoke effects or the use of naked flame at least 14 days in advance, so appropriate authorisation may be obtained.

Details of all substances falling under the COSHH regulations which include oil based paints, gas must be provided at least 14 days in advance.

A request for the use of lasers must be sent to the technical manager 28 days in advance, so approval from the Health and Safety Officer may be obtained.

We reserve the right to disallow the use of any pyrotechnics/lasers or effects, if in our opinion they may be unsafe.

Crew

Stratford Circus possesses a pool of casual technicians who may be hired for big load-ins/get-outs. Please contact us for current rates.

Power

Internally Wired Bars over the Stage

No. of IWB bars: 4
Length: 11.2m
No. of circuits per bar: 18 x 15amp circuits

Bridge (above the Proscenium)

Length: 10m
No. of circuits: 18 x 15amp circuits

FOH:

No. of IWB bars: 2
Length: 8m
No. of circuits per bar: 16 x 15amp circuits

Stage Power supply: 12 x 13amp 240v outlets
8 x 16 amp outlets USL
2 x 63 amp single phase outlets
1 x 32 amp three phase outlet

Above the stage power: 2 x 13 amp outlets (USR)
2 x 16 amp outlets (USL)

Temporary Power supply: 1 x 63amp 3-phase socket (SL dock)

Equipment

Lighting

Lighting board: ETC Ion & ETC Universal Fader wing
1024 Outputs
2 DMX-512 ports
20 faders

Dimmers: 12 x Strand Lighting LD90
160 saturated configuration
3 Phase
152 x 2.4kw, 8 x 5kw

Operation: Control room located centre back of 2nd balcony

Luminaires: 10 x Strand SL 10 (GKV, 600w)
38 x Strand SL 15/32 (GKV, 600w)
15 x Strand SL 23/50 (GKV, 600w)
20 x Strand Cantata PC (T/29, 1200w)
6 x Strand Alto PC (CP91, 2500w)
28 x Thomas Par64 (CP62, 1000w)
4 x Strand Iris 3 pole operated (P2/12, 1250w)
2 x DTS Flash 2000L
2 x Strand Coda 500/3 ground-row (K/1, 500w)
4 x Strand Coda 500/1
4 x Floor Par64
8 x Clay Packy LED K10 wash

Miscellaneous: 4 x Manfroto Backlite stands 4' 6" c/w spigots
8 x Strand B size gobo holders
3 x Strand iris

Sound

Mixing Consoles:	Yamaha QL5 32 mono inputs 16 Omni outputs/ 8 Matrix outputs
Stage Box:	1 x Yamaha Rio RI16-8D – 16 in, 8 out 2 x Yamaha Rio RI-8D – 2 x 8 in
Playback:	1 x GeminiCDX2250 CD/MP3 player 1 x iMac running a free licence of Qlab 3
Main System:	4 x Inter-M, MA-500 250W/ch 1 x Inter-M, MA-700 350W/ch 4 x Tannoy Main system i12 4 x Tannoy Small CPA5 4 x HK Projector Subs
Additional System:	1 x DBX Driverack
Communications:	3 x ShowCom Chroma Q 2 x Techpro BP543

AV Equipment

Projector:	Christie DWX 951-Q 850 lumens 1.3 – 1.7 zoom lens
Switcher:	Kramer VP-770 scaler/switcher (HDMI, VGA, RGB or displayport input)

Projection screen

Type:	PVC
Dimensions:	4.3m x 3.5m
Location:	Mid stage on Bar
Type:	Rosco Twin white vinyl cyc
Dimensions:	11m x 7m
Location:	Rear of stage

Additional Equipment

The equipment in this section is shared between this space & Circus 2 therefore they are subject to availability and hire charges are likely to apply.

Sound Equipment

Microphones:	4 x Shure SM58 4 x Shure SM57 2 x Beyer dynamic M201 3 x AKG CGN 99 desk microphones 2 x Audio technica AT815b condenser 1 x Audix DP5A drum microphone kit
Radio Microphones:	6 sennheiser EW300 4 sennheiser EW300 handheld 4 sennheiser EW300 beltpacks 4 sennheiser lapel mics 2 Sennheiser ME 3-ew black headset mics 2 Pulse NE beige headset mics
D.I Boxes:	3 x Behringer Ultra-D120 3 x Behringer Ultra-DI100
Playback & Effects:	1 x Yamaha SPX990 Multi-Effects Processor 1 x Yamaha Q2031B Graphic Equalizer 2 x Drawmer DL241 Dual Auto-Compressors
DJ Desk:	1 x Behringer DDM 4000 Digital DJ desk
Active Speakers:	4 x RCF ART 310A 4 x Mackie SRM 450
Miscellaneous:	12 x microphone stands with clips
DVD Player	1 x Philips DVP3120
Fog Machine	Robe Faze 1000

AV Equipment

Adapters:	1 x Mac miniport-VGA adapter 1 x Mac Miniport-HDMI adapter
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Staging

LiteDeck

Dimensions:	8 x 4 ft
Quantity:	16
Height of legs:	1ft, 2ft or 4ft

Revostage

Dimensions:	2m x 1m
Quantity:	4
Height:	1 ft

Stage hardware

No. of stage braces	4
No. of stage weights	18

Basic masking available

6 no. black, serge hard flats	4500 x 800mm
1 no pair black soft legs	2400 x 7100mm
5 no. pairs black, soft legs	2400 x 6050mm
5 no. cross-stage border	2000 x 12600mm

Cyclorama:	Rosco Twin White vinyl
Dimensions:	11m x 7m

House tabs:	reefer style, red
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Tab Track

Type:	Line operated Halls T90 Anglia with two master carriers
Dimensions:	Black velour tabs 6200 x 7000mm
Location:	fly bar 27

The Control of Noise at Work Regulations 2005

We are required to comply with The Control of Noise at Work regulations 2005 and reserve the right to:

- Monitor the sound pressure levels during an event
- Ask for risk assessments for continuous sound levels which exceed 0.2 Pascal (80dB) & peak sound levels which exceed 112 Pascal (135dB)

Failure to comply may result in a reduction in sound levels.

Management of Health and Safety at Work Regulations 1992

Manual Handling Regulations 1992

Please ensure that your risk assessments under these and associated regulations are submitted to us no more than 14 days before your event.

Please note - we must also insist on the following points:

- Respect that the Duty Technician's decision on any matter regarding Health and Safety or our licensing conditions, is final.
- We reserve the right to disallow the use of any electrical, rigging equipment or substances that in our opinion may be dangerous.
- We reserve the right to charge for facilities, staffing or equipment in excess to those specified in our contract.