

# Chelmsford Theatre Studio Technical Specification

Chelmsford Theatre Studio is an intimate black box theatre seating up to 165 and presents a programme of smaller scale professional touring theatre, music productions, dance, and lunchtime concerts. Films and live screenings come to life in the Studio with comfortable seating.

The retractable seating allows for varied seating configurations including standing, cabaret and immersive environments. The space is also available for hire for lectures, conferences and exhibitions. The retractable tiered seating unit seats 140, with an additional 2 front rows available to seat a further 26. In cabaret layout the room can accommodate up to 125.

This information is subject to change and should be used as a reference point, prior to discussions with the Technical Department. Please contact us if you have any questions. All equipment is subject to availability, additional charges may apply, please see the equipment recharge sheet on the website.

Chelmsford Theatre  
Fairfield Road  
Chelmsford  
Essex  
CM1 1JG

Paul Richard  
Technical & Buildings Manager  
[paul.richard@chelmsford.gov.uk](mailto:paul.richard@chelmsford.gov.uk)  
01245 606506

Duty Manager – 07739 929481



### **Building Access and Get-In Arrangements:**

The site is accessible from Fairfield Road, via a security barrier. Access is provided for unloading/loading only. Vehicles must exit using the Coval Lane barrier unless they are over 15 tonnes, in which case they must turn around and exit via Fairfield Road.

- The access door is 1.7m wide x 2m high
- Technical staff will need to supervise reversing of any large vehicles
- You will be able to park alongside the fire exit doors (the first set that you come to) for the purposes of unloading only
- Parking is available in nearby 'Visitor' parking spaces, or the Fairfield Road car park (access via Coval Lane)
- A door code will be given to you by your Duty Stage Technician for backstage access

### **Dressing Rooms and Backstage Facilities:**

- 2 dressing rooms with adjoining door, each with 2 sinks and accommodating 12 persons per room
- The backstage corridor has a show relay video monitor screen
- Dressing rooms receive show relay and backstage calls
- Shower and toilet facilities are located along the backstage corridor

### **Auditorium Layouts and capacity.**

- Overall size of the room with seating retracted 11x11.5m (36ft x 37ft)
- With tiered seating at 140 capacity, the maximum performance area is 11x5m (36x 16')
- With tiered seating and additional rows of seats, the capacity is 166, the maximum performance area is 11x3m (36x10')
- This is available as bare wooden floor or with fitted Harlequin cascade black dance floor

### **Staging:**

- Staging can be used but may restrict use of front two rows of seats or cabaret capacity
- Staging is 2x1m RATStand Stage 4 aluminium deck with 2ft legs as standard.
- There are 2 pairs of soft black masking. As standard one is tracked at the rear, and one covers the side walls of the stage.
- Screwing or bolting into the stage is NOT permitted
- Please note there are no permanent tabs at the front of the stage, but swipe and 2-part tab tracks are available.

### **Access Equipment and Working at Height:**

- Access to the grid is via a Zarges three part ladder or an A-Frame step ladder
- The tallescope may be used if the seating has been retracted and it is available
- The lighting grid is 4.87m high (16ft)

Visitors are allowed to work at height under the supervision and at the discretion of the Duty Stage Technician. Our Risk Assessments and Normal Operating Procedures are available on request.

### **Lighting:**

- The standard operating position for all performances is in the control room at the rear of the seating bank

### Control

- ETC Ion XE20 lighting desk with 1 touchscreen
- ETC remote app on an iPad

### Dimming and Universes

- 106 dimmer circuits from Light Processor Dimension dimmers
- (90 hardwired to 15a sockets, 12 hard patchable to 4 socapex outlets, DMX LED houselights and projection screen wash)
- DMX circuits are available in the lighting rig and are patched in the control room via a splitter unit
- All intelligent fixtures will appear on universe 2

### Power

- All theatrical lighting uses 15-amp plugs and sockets
- Some 13 and 16 amp sockets are available from facility panels located around the theatre
- 1 x 63 amp single phase CEE form socket is available USR

### Lantern Stock

The venue operates a standard LX rig. This is a multipurpose LX rig designed to provide front wash light, 3 colour wash using parcans and backlight and several specials. Your individual lighting requirements can be arranged for you in advance or on the day of your arrival on provision of a detailed venue specific lighting plan. Please contact us if required.

This equipment is shared between theatres and may not be available.

10 x Source 4 Junior 25/50 zoom profiles (575w)
8 x Chauvet EVE-E 25/50 zoom profiles (LED)
18 x Strand Quartet Fresnels (650w)
14 x Strand Quartet PCs (650w)
4 x Chauvet Ovation 425 Fresnels (LED)
12 x Parcan 64s (CP62 lamps as standard, CP61 and CP60 available on request)
4 x Chauvet Quad Pars (LED)
4 x ProLights JetSpot 4z moving spots* (LED)
4 x Clay Paky Mini B moving washes* (LED)
2 x Robert Juliet Cricket Follow Spots *

### FX

1 x Martin Magnum Pro 2000 fog machine
1 x Look Solution Unique 2 hazer

### **Sound:**

- The standard operating position for all performances is in the control room at the rear of the seating bank
- The control room has sliding windows
- For cabaret style seating, a sound desk can also be set up at floor level. This must be agreed before the show goes on sale as it requires the removal of seats from sale

### Control and playback

- Yamaha QL1 digital sound desk with iPad remote
- Yamaha TIO 16/8 stage box, multiple RIO stage boxes may be available if not required in the main house
- 1 x Tascam CD/MD player, more may be available on request
- QLAB 4 sound and video on a Mac mini. This outputs via Dante Virtual soundcard.

### **Speakers**

FOH	3 x EM Acoustic EMS-101X
SUB	1 x EM Acoustic EMS-115
FRONT FILLS	2 x EM Acoustic I-2
MONITORS	4 x KV2 EX10

### **Amps**

3 x Lab Gruppen IPD2400
-------------------------

### Microphones

4 x Sennheiser ew300 G3 belt pack radio mics
1 x Sennheiser ew300 G3 handheld radio mics

The following equipment is shared between theatres and may not be available

14 x Shure SM58
6 x Shure SM57
1 x Audio Technica ATR30
1 x AKG D 190E
5 x AKG PCC160 tap mics
6 x Sennheiser ME66 rifle mics
2 x AKG C451E with CK7 heads
6 x Clock Audio C600
4 x Sennheiser Evolution 604 drum mics
1 x AKG D112 bass drum mic
3 x AKG CHM99 Choir Mics
2 x Audio Technica AT2050
1 x AKG CK98
1 x Yoga DM-868
1 x NJP 'retro microphone'
10 x BSS AR-133 Active DI boxes

Assorted microphone stands, music stands, multicores and stage boxes, mic and speaker cables are available as required.

### Pianos

We have a Yamaha U1X which can be booked in advance, tuning can be arranged at your cost. We can also hire grand pianos with the hire cost will be passed on.

### **Audio Visual:**

#### Projectors

- Barco DP2K-12C digital projector

This projector can be used for cinema or presentations. Due to the noise, the windows must be kept closed. It is not suitable for live performances.

- 1 x portable Christie D13WU-HS 12500 lumen, with unicol, subject to availability
- Lenses available: 0.84-1.02, 1.2-1.5, 1.5-2.0

#### Infrastructure

- Dolby digital 5.1 film cinema system
- LANSAT Cinema Server
- Panasonic Blu-Ray player (also used for DVD and static image)
- VGA or HDMI via cat5e connections in control room or at stage level
- HDMI, DVI, and component connections in control room via a Barco ACS-2048 switcher

## **Communications:**

### Calls and Show Relay

- Cloud 8 zone venue mixer show relay controller
- Yamaha P4050 power amp for show relay
- Cloud FOH and BOH calls system including microphone

### Comms

- 1 x Tecpro dual circuit power supply
- 4 x Tecpro BP511 belt packs with single muff fixed mic headsets

Comms points are available in the control room and 4 locations onstage

## **Accessible Performances:**

- A Sennheiser infra-red system is installed in the theatre. It can be used for show relay enhanced listening and audio description when available. Headsets can be pre-booked at box office and technicians will be made aware when the system is to be used by customers.
- The Studio does not have any permanent provision for the signing or captioning of performances, but suitable arrangements can be made as required. Please contact us should your performance wish to use such facility.

We aim to make your time at the venue as enjoyable as possible.

Let's work together to put on a great production.

Many thanks, Chelmsford Theatre Technical Dept.