

TECHNICAL SPECIFICATION
Sound & Communications

Festival Theatre

Introduction & Orientation

1. PLAYBACK
2. INFRASTRUCTURE
3. AMPLIFICATION & PROCESSING
4. SPEAKERS
5. COMMUNICATIONS
6. INVENTORY
7. RADIO LICENSING

INTRODUCTION AND ORIENTATION

The permanent sound control position is in the stage left side of the control box at the rear of the auditorium. It is an enclosed space with a full-width window open to the auditorium. Lighting and stage management operator positions are located in room adjacent. The sound patch-bay is also housed within the control box.

The current position for visiting companies sound desks (approximately 1.3 metres by 2 metres) is located at rear of auditorium on the stage left side of the control box. Touring amp racks and radio racks may be positioned either in the wings (limited space), upstage area or the scene dock as suitable for the production. Our in house amp racks and speaker patch are kept in an air-conditioned amp room, backstage.

The cable run distances from normal/touring desk positions are;

Gallery	60m/55m
Upstage Left is approx	70m/65m
Scene Dock is approx	90m/85m

Stage Management position may be placed in the Auditorium for rehearsals **by prior arrangement** and is normally located in the control box for performances. Please note - we do not have the facility to position the DSM onstage.

1. PLAYBACK

1.1 *Mixer & Digital Matrixing.*

- 1 Digico SD7T with 2x SD-Racks providing 96 In and 48 Out (analogue)
- 2 Yamaha DME64N Digital Mixing Engines processing for in-house vocal, prosc, sub and surrounds speaker systems.

1.2 *Audio Source*

- 2 Switchable Show Control Computers running QLAB v3.

2. INFRASTRUCTURE

2.1 *Power*

GFP audio facilities panels at various locations with RCD protected audio power, including:

<i>Mixing Position</i>	2 x 13A, 1x 32A
<i>Gallery Level SL</i>	2x 13A, 1x32A
<i>Gallery Level SR</i>	2x 13A, 1x32A
<i>SL Corner</i>	4x 13A, 1 x 63A
<i>SR Corner</i>	4x 13A, 1 x 32A
<i>Substage</i>	4x 13A, 1 x 32A
<i>Gallery Centre</i>	4x 13A, 1x 32A

2.2 *Audio Tie Lines*

- 48 Integrated Audio Tie Lines Desk to Gallery
- 48 Integrated Audio Tie Lines Desk to sub stage
- 96 Integrated Audio Tie Lines Desk to Amp Room
- 24 Integrated Audio Tie Lines Desk to Stage Left
- 24 Integrated Audio Tie Lines Desk to Stage Right
- ~ XLR audio lines available at various locations on stage, FOH and grid.

Multi Tie Lines terminate 'veam' multipin connectors, break out is achieved to XLR tails (desk/SD racks) and 8 way stage boxes.

2.3 *Bantam Patch Bay*

Located in the Control room, providing audio patching between all facilities panels and amp room plus cue light patching.

3. AMPLIFICATION & PROCESSING

House speaker system driven with in-house amps as appropriate. Additional amplification for foldback or FX speakers may be available - charges apply. Please enquire.

4. SPEAKERS

House speaker system listed below. Additional speakers may be available for FX/Foldback. Charges apply, please enquire.

- 4 Meyer UPA-1P - 'Proscenium' Left & Right
- 4 Meyer UPM-1P - 'Proscenium' Side fills Left & Right
- 6 Meyer UM1 - Flown Vocal system, Lower level coverage.
- 5 D&B C6 - Flown Vocal System, Upper level coverage
- 14 EM Acoustics EMS61 - Flown Vocal System, rear and balcony
- 2 Martin WSX Sub Bass - Fixed position auditorium L&R
- 8 JBL Control - 1 Under Balcony Delays
- 20 JBL Control 1 - 'Surround' system

5. COMMUNICATIONS

5.1 *Intercommunication*

Tecpro and ClearCom headset communications system, normally configured as 2 ring intercoms - Stage and Lighting.

Wireless Freespeak II cans system, interfacing with hardwired comms system, available at additional cost.

5.2 *Cue Lights*

16 way red/green cue light system operated from either the control booth or auditorium (*in technical only*) with patchable outlets on-stage, gallery, auditorium doors, sound position, and in the 'Voms'.

5.3 *Back Stage Calls*

Calls can be made from by the DSM from within the Control Box/Auditorium DSM position, from the Stage Management office or from the Stage Door.

5.4 *Front of House Calls*

Pre-recorded F.O.H. calls are operated using a dedicated CD player system operated from the Control Booth by the Lighting operator or touring DSM.

5.5 *Show Relay - Audio*

Backstage Calls and Show Relay are available from a comprehensive speaker system servicing all dressing rooms and back-stage areas.

5.6 *Show Relay - Video - CCTV*

Festival Theatre Video Show Relay is supplied using both colour and infra-red cameras positioned in the Festival Theatre Auditorium. The infra-red feed is permanently available in the Control Booth at the DSM position and via a patch bay and can be distributed back stage as required. TV-based colour relay is available in dressing rooms, Green room, Stage Door and Front of House.

Basic video recording facility for general show archive purposes is available but requires a suitable notice period and will incur a small charge to cover labour costs and materials if applicable.

6 INVENTORY

- XLR - XLR microphone cables, various lengths and quantities.
- NL4 Speaker cable - various lengths and quantities
- 13A power cable - various lengths and quantities
- 6 8 way stage boxes with 'Veam' multipin connector.

We also have a limited number of microphones & mic stands available; charges apply, enquire for more details.

7 RADIO MICROPHONES

CFT own a limited amount of radio mic systems, both body-worn packs and hand held, and some basic, used mic head stock. These must be booked for use as stock and availability is limited. Charges apply.

8 RADIO FREQUENCY LICENSING

We have a limited number of frequencies licensed for use each year. Please contact the Head of Sound in advance if you plan to use radio mics or licensable radio equipment at Chichester Festival Theatre. If planning to use 'free' unlicensed channels, please supply an accurate frequency list so we can ensure the frequency is not being used elsewhere on site at CFT.

If you have any questions regarding the CFT technical specification, please contact the Chichester Festival Theatre Sound Department on 01243 784 437 ext.2183 or email sound@cft.org.uk

9 SITE VISITS

We would strongly recommend you have a site visit prior to your arrival at CFT. The CFT and Minerva studio are very unique spaces with a number of challenges.

CFT has a lot of experience in adapting proscenium based shows to its thrust stage and our staff will be very happy to assist and advise on the best way of adapting your production to fit into our venues.

9.2 **Contacts:**

Stage Door - 01243 784437
Box Office - 01243 781312
Fax- 01243 787288
Brasserie - 01243 782219
Technical- 01243 812921

Theatre Manager - Janet Bakose -	ext 2166
House manager- Ben Geering	ext 2211
Marketing- Lydia Cassidy	ext 2206
Tech Director - Sam Garner-Gibbons -	ext 2156
Head of Stage - Karl Meier-	ext 2205
Head of Sound - Mike Keniger	ext 2183
Head of Lighting- Graham Taylor	ext 8547
Education -	ext 2121