

Technical Specification Sound & Communications

Festival Theatre

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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.

Please note that the use all CFT equipment listed is subject to availability and prior arrangement.

1. **Playback**

1.1 **Mixer & Digital Matrixing.**

1 *Yamaha 01v96 v2

1 *Digico SD7Q-T; 2x SD-Racks providing 96 In and 48 Out (analogue)

1 Digico Orange Box with Dante I/O

2 Yamaha DME64N Digital Mixing Engines - processing in-house vocal, prosc, sub and surround speaker systems.

* please note that we do not have a permanent mixing position and our mixing desks will not always be set up or available.

1.2 **Audio Source**

2 Switchable Show Control Computers running QLAB v4.

2. **Infrastructure**

2.1 **Power**

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

Mixing Position	2 x 13A, 1 x 32A
Gallery Level SL	2x 13A, 1x 32A
Gallery Level SR	2x 13A, 1x 32A
SL Corner	4x 13A, 1 x 63A
SR Corner	4x 13A, 1 x 32A
Substage	4x 13A, 1 x 32A
Gallery Centre	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.

16	EM Acoustics Halo-B - 'Proscenium' Left & Right (8 boxes per side)
2	EM Acoustics EMS-81 - 'Proscenium' Side fills Left & Right
2	EM Acoustics 218 - 'Proscenium' Subs - location set dependent
2	EM Acoustics 215 - 'Proscenium' Subs - location set dependent.
6	EM Acoustics R10 - Flown Vocal system, Lower level coverage.
5	EM Acoustics R10 - Flown Vocal System, Upper level coverage
14	EM Acoustics EMS61 - Flown Vocal System, rear and balcony
12	EM Acoustics EMS51 - Front Fill speakers
8	EM Acoustics EMS-51 - Under Balcony Delays
20	JBL Control 1 - 'Surround' system

5. **Communications**

6.

6.1 **Intercommunication**

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

Wireless Freespeak II comms system, interfacing with hardwired comms system, is available at additional cost, subject to availability.

6.2 **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 auditorium 'Voms' entrances.

6.3 **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.

6.4 **Front of house calls**

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

6.5 **Show relay - audio**

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

6.6 **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 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 6x
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.

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**

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