# adc theatre

## Sound Specification

Last updated 20/01/26 by CHTJ

**Microphones & DI Boxes**

| | |
|---|---|
| Shure SM58 | 4 |
| Shure SM57 | 3 |
| Shure Beta 57A | 2 |
| Shure Beta 91A | 1 |
| Beyer M201N(C) | 1 |
| AKG C1000S | 2 |
| AKG C3000 | 6 |
| RODE NT5 | 2 |
| AKG P17 | 2 |
| AKG P4 | 4 |
| AKG P2 | 1 |
| Samson S Convert 2-way Balanced/Unbalanced interface | 1 |
| Stereo DI | 3 |
| Mono DI | 1 |

**Mic Stands**

| | |
|---|---|
| Tall boom mic stands | 13 |
| Short boom mic stands | 2 |
| Round bottom mic stands | 2 |

**Radio Mics**

| | |
|---|---|
| Sennheiser EM300 G3 receiver | 12 |
| Sennheiser EM300 G4 receiver | 4 |
| Sennheiser EW-DX EM 4 DANTE receiver (4ch) | 2 |
| Sennheiser SK300 G3 beltpack transmitter | 12 |
| Sennheiser SK500 G4 beltpack transmitter | 4 |
| Sennheiser EW-DX SK beltpack transmitter | 8 |
| Sennheiser SKM 300-835 G3 handheld transmitter | 2 |

All radio mic receivers are racked as part of the theatre's permanent fixed install and cannot be removed. See separate document on radio microphone frequency licensing, alignment and channel use.

The Theatre has both Sennheiser WSM and Wavemark Wavetool radio mic audio and telemetry monitoring software installed and set-up on a dedicated Mac Mini in the sound box and on an additional two portable iMacs which are available for remote use in the green room or wing.

**Sources**

| | |
|---|---|
| Mac Mini with QLab 5 Audio+Video and Dante Virtual Soundcard | 1 |
| MOTU MIDI AV Timepiece linked to lighting desk and Mac | 1 |
| Technics SL-PS740A CD Player | 1 |

**Control & IO**

| | |
|---|---|
| Yamaha CL3 | 1 |
| Yamaha RIO 3224-D | 2 |

The CL3 can be moved from its normal position in the control box to a rear auditorium mix position. This requires taking seats off sale and *must* be discussed with the Production Manager well in advance of your show going on sale to the public. See the Sound Patch Details document for further information on the theatre's Dante and analogue patch arrangements.

**Amplifiers & Speakers**

| | |
|---|---|
| d&b EPAC single channel | 4 |
| QSC PLD4.2 | 2 |
| d&b Ci90 | 2 |
| d&b Ci-SUB | 2 |
| QSC E10 | 6 |
| t.Box pro Achat 104 | 6 |
| QSC K10 (powered) | 4 |
| t.Box pro Achat 104 A (powered) | 4 |

The d&b and QSC amplifiers are racked as part of the theatre's permanent fixed install and cannot be removed.

The two D&B Ci90 tops and two Ci-SUB subs run through four E-PAC amplifiers and form the main front of house PA. They cannot be moved or unpatched. The QSC amps are each four channels of amplification to give a total of 8 other channels of patchable amplification. Note that the QSC K10 and t.Box pro Achat 104 A speakers are self-powered and so do not need a separate amplifier.

**Music Stands**

| | |
|---|---|
| K&M Orchestra Stands with lights | 12 |
| K&M Conductors Stand with light | 1 |

**Additional Equipment**
Mac Mini in sound box running QLab
Mac Mini in the sound box running Wavetool/WSM
2x iMac serving as Wavetool/WSM remote
Roland stage piano in flight case with stand
Drumkit
EMO Microphone splitter
XLR, speakon and instrument leads of various standardised lengths
Range of various audio adapters

**Effects Library**
The Theatre has a very extensive stock of sound effects which are held on physical CDs in the Technical Office and digitally on the file server accessible from the Production Office computers.