Stage.OS

PRODUCTION SUITE

Stage.Rack

RACK & PANEL SCHEDULE

# New musical · UK tour

Harbour Theatre, Bristol — Example Audio Hire

Drawn by **Sam Okafor** Exported **26 September 2026** Racks **4** Panels **5** Looms **3**

*Touring sound racks for the 2026 UK tour. FOH, amps, RF and comms.*

# FOH rack

FOH position · 16U

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Lives at FOH next to the desk. Fibre and multis to stage from the rear panel.

| FRONT | | REAR |
|---|---|---|
| Furman P-1800 — mains in | 1 | Furman PL-8C — mains distro (rear) |
| DiGiCo Orange Box — MADI ↔ Dante<br>Orange Box | 2 | |
| | 3 | |
| Lake LM 44 — system EQ | 4 | |
| Lake LM 26 — fills & delays | 5 | |
| GigaCore 16t — Dante primary | 6 | |
| Netgear M4250 — control / comms | 7 | |
| RMio64-D — MADI to Dante | 8 | |
| RackMac mini — QLab<br>RackMac mini (2024+) | 9 | |
| | 10 | |
| HelixNet main station | 11 | |
| Drawer — adapters, spare fibre | 12 | |
| FOH tie-line panel | 13 | |
| Furman M-8x2 — rear distro | 14 | |
| 2U blank | 15 | Stage multipin panel |
| | 16 | |

## PANEL WORK

### FOH tie-line panel 16-way D-type




| # | Label | Connector |
|---|---|---|
| 1 | FOH L | XLR 3-pole Male (solder) |
| 2 | FOH R | XLR 3-pole Male (solder) |
| 3 | Sub | XLR 3-pole Male (solder) |
| 4 | Fill L | XLR 3-pole Male (solder) |
| 5 | Fill R | XLR 3-pole Male (solder) |
| 6 | Delay 1 | XLR 3-pole Male (solder) |
| 7 | Delay 2 | XLR 3-pole Male (solder) |
| 8 | Spare out | XLR 3-pole Male (solder) |
| 9 | Ret 1 | XLR 3-pole Female (solder) |
| 10 | Ret 2 | XLR 3-pole Female (solder) |
| 11 | Ret 3 | XLR 3-pole Female (solder) |
| 12 | Ret 4 | XLR 3-pole Female (solder) |
| 13 | Talkback | XLR 3-pole Female (solder) |
| 14 | Dante A | etherCON CAT6 IDC |
| 15 | Dante B | etherCON CAT6 IDC |
| 16 | — | D-Blank Insert |

Front of FOH rack. Outputs top row, returns bottom.

### Stage multipin panel Wiggle panel · 2U

| # | Label | Connector | Goes to |
|---|---|---|---|
| 1 | Stage L multi | 19-pair Female → XLR3M tails | Stage L box |
| 2 | Stage R multi | 19-pair Female → XLR3M tails | Stage R box |
| 3 | Returns | 11-pair Male → XLR3F tails | Monitor world |
| 4 top | Net A / B | etherCON CAT6 IDC | Stage switch |
| 4 bottom | Net A / B | etherCON CAT6 IDC | |
| 5 top | Fibre A / B | opticalCON DUO 2-fibre Chassis | Stage L box |
| 5 bottom | Fibre A / B | opticalCON DUO 2-fibre Chassis | |
| 6 top | Mains in / thru | powerCON TRUE1 Chassis | |
| 6 bottom | Mains in / thru | powerCON TRUE1 Chassis | |

Rear of the FOH rack: multis to stage.

## CAPTIVE LOOMS

### FOH → Stage L box → Stage L stagebox

40 m. Runs under the auditorium floor trap.

| # | Connector | Label |
|---|---|---|
| 1 | opticalCON DUO 2-fibre | Fibre A |
| 2 | opticalCON DUO 2-fibre | Fibre B |
| 3 | RJ45 Cat5e/Cat6 Patch | Dante A |
| 4 | RJ45 Cat5e/Cat6 Patch | Dante B |
| 5 | XLR 3-pole Male (solder) | Ret 1 |
| 6 | XLR 3-pole Male (solder) | Ret 2 |
| 7 | XLR 3-pole Male (solder) | Ret 3 |
| 8 | XLR 3-pole Male (solder) | Ret 4 |
| 9 | XLR 4-pole Female | Comms |
| 10 | IEC C13/C14 (Kettle Lead) | Mains to box |

### FOH → Amp rack 1 → Amp rack 1

| # | Connector | Label |
|---|---|---|
| 1 | RJ45 Cat5e/Cat6 Patch | Dante A |
| 2 | RJ45 Cat5e/Cat6 Patch | Dante B |
| 3 | XLR 3-pole Male (solder) | Analogue L |
| 4 | XLR 3-pole Male (solder) | Analogue R |
| 5 | XLR 3-pole Male (solder) | Analogue Sub |

# Amp rack 1

Stage left, dock side · 22U

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| FRONT | | REAR |
|---|---|---|
| **Furman P-2400 AR — mains**<br>P-2400 AR | 1 | |
| | 2 | |
| **Lake LM 44 — amp feeds** | 3 | |
| **GigaCore 16t — amp network** | 4 | |
| **D80 — L mains 1**<br>D80 | 5 | |
| | 6 | |
| **D80 — L mains 2**<br>D80 | 7 | |
| | 8 | |
| **D80 — R mains 1**<br>D80 | 9 | |
| | 10 | |
| **D80 — R mains 2**<br>D80 | 11 | |
| | 12 | |
| **10D — fills**<br>10D | 13 | |
| | 14 | |
| **10D — delays**<br>10D | 15 | |
| | 16 | |
| **D20 — subs**<br>D20 | 17 | |
| | 18 | |
| **Drawer — NL4 jumpers**<br>R2293-2UK 2U Heavy Duty Rack Drawer | 19 | |
| | 20 | |
| **Amp outputs** | 21 | |
| **1U blank** | 22 | |

## PANEL WORK

### Amp outputs 8-way D-type

| L main 1 | L main 2 | R main 1 | R main 2 | Sub L | Sub R | Fills | Delays |
|---|---|---|---|---|---|---|---|

| # | Label | Connector |
|---|---|---|
| 1 | L main 1 | speakON 4-pole |
| 2 | L main 2 | speakON 4-pole |
| 3 | R main 1 | speakON 4-pole |
| 4 | R main 2 | speakON 4-pole |
| 5 | Sub L | speakON 4-pole |
| 6 | Sub R | speakON 4-pole |
| 7 | Fills | speakON 4-pole |
| 8 | Delays | speakON 4-pole |

NL4 to the PA. 1± mains, 2± subs on the shared runs.

## CAPTIVE LOOMS

### Amp rack 1 → PA L → PA left hang

| # | Connector | Label |
|---|---|---|
| 1 | speakON 4-pole | L main 1 |
| 2 | speakON 4-pole | L main 2 |
| 3 | speakON 4-pole | Sub L |
| 4 | speakON 4-pole | Fill L |
| 5 | RJ45 Cat5e/Cat6 Patch | Amp network |

# RF rack

Stage right, RF world · 16U

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| FRONT | | REAR |
|---|---|---|
| Furman PL-8C — mains | 1 | |
| AXT600 — spectrum manager | 2 | |
| UA845 — antenna distro | 3 | |
| AD4Q — RF 1–4 | 4 | |
| AD4Q — RF 5–8 | 5 | |
| AD4Q — RF 9–12 | 6 | |
| AD4Q — RF 13–16 | 7 | |
| SR 2050 — IEM 1 & 2 | 8 | |
| SR 2050 — IEM 3 & 4 | 9 | |
| L 6000 — charger | 10 | |
| Netgear M4250 — Dante / control | 11 | |
| Drawer — batteries, capsules | 12 | |
| RF antenna panel | 13 | |
| | 14 | |
| 3U blank | 15 | |
| | 16 | |

## PANEL WORK

### RF antenna panel 8-way D-type

Ant A | Ant B | IEM TX 1 | IEM TX 2 | Net A | Net B | Mains | —

| # | Label | Connector |
|---|---|---|
| 1 | Ant A | BNC 75Ω Feedthrough (grounded) |
| 2 | Ant B | BNC 75Ω Feedthrough (grounded) |
| 3 | IEM TX 1 | BNC 75Ω Feedthrough (grounded) |
| 4 | IEM TX 2 | BNC 75Ω Feedthrough (grounded) |
| 5 | Net A | etherCON CAT6 IDC |
| 6 | Net B | etherCON CAT6 IDC |
| 7 | Mains | powerCON TRUE1 Chassis |
| 8 | — | D-Blank Insert |

# Comms rack

Prompt corner · 10U

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Shallow case from stock — check what fits before it goes to the workshop.

| FRONT | | REAR |
|---|---|---|
| **Furman M-8x2 — mains** | 1 | |
| | 2 | |
| **Eclipse HX-Delta — matrix**<br>Eclipse HX-Delta | 3 | |
| | 4 | |
| | 5 | |
| **xMac Studio — show control**<br>xMac Studio | 6 | **PD-915R — rear power strip** |
| | 7 | |
| **FreeSpeak II base** | 8 | |
| **Netgear M4250 — comms network** | 9 | |
| **1U blank** | 10 | |