THE FLEECE, BRISTOL

TECHNICAL SPECIFICATION – JULY 2022

OVERVIEW

The Fleece is Bristol's largest independent music venue, with a 450 standing capacity. Having undergone a major transformation and groundbreaking redesign in 2021, including a new stage, PA, lighting and video equipment, we now offer stunning new facilities with a range of innovative technical features and enhanced production options.

Soundchecks may begin at any time. There is currently no daytime noise curfew.

Venue office: +44(0)117 945 0996
Technical Manager: Rich Munday rich@thefleece.co.uk

STAGE

- ★ Width: 7.9 m
- ★ Depth: 4.1 m to backdrop or 4.5 m to back wall
- ★ Height: 1.2 m
- ★ Clearance to ceiling: 2.9 m
- ★ Clearance to lighting rig: 2.4 m
- ★ Fully carpeted
- ★ Modular, moveable drum riser. Height 0.3m
- ★ 0.4 m walkway behind backdrop

See STAGE PLAN for layout.

POWER

- ★ 1 x 16A phase CEEform socket, stage right
- ★ 1 x 32A single phase CEEform socket, stage right
- ★ 1 x 32A three phase CEEform socket, stage right
- ★ 13A stage power outlets; upstage and downstage left, centre & right
- ★ American type B sockets 120V 50Hz; upstage and downstage left & right
- ★ 2 x 16A CEEform sockets on the outside of the building for tour bus power

All RCD protected.

See STAGE PLAN for positions.

PA SYSTEM
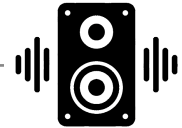
FRONT OF HOUSE
- ★ 2 x KV2 VHD 2.0 3-way mid/hi
- ★ 8 x KV2 VHD 4.18 passive 18" subwoofer
- ★ 2 x KV2 EX12 Active 2-way 12" infill
- ★ 2 x VHD 2000 amplifiers
- ★ 2 x VHD 3200 amplifiers

MONITORS
- ★ 8 x Martin Audio LE1200S bi-amped wedges (one usually assigned to monitor engineer)
- ★ 2 x Martin Audio LE1500 bi-amped wedges for drums
- ★ 2 x Martin Audio DX2 loudspeaker management systems
- ★ 8 x Martin Audio MA2 amplifiers
- ★ 2 x KV2 EX15 1000W full range side fills

FRONT OF HOUSE DESK
- ★ Midas Heritage HD96-24
- ★ 40 stage channels
- ★ 144 input channels
- ★ 16 aux sends to stage
- ★ 120 flexible mix busses
- ★ Midas DL251 stage box positioned below front of house desk, connected to stage via a 40-way analogue multicore
- ★ iPad for remote control of the desk
- ★ Mini-jack for iPod playback

Spotify is our main music source for between-band music; an active account is available for your use.

MONITOR DESK
- ★ Midas PRO2, positioned on mezzanine, stage right
- ★ Midas DL251 stage box (no gain sharing)
- ★ 48 stage channels
- ★ 24 subgroups for onstage mix
- ★ All 40 analog multicore channels are available via splits at the monitor position.
- ★ 5 x analog tie lines are available from FOH to the stage box.

Monitors can be controlled from the FOH desk as a 6-way FOH mix, plus side-fills.

Monitor wedges can be positioned anywhere onstage using the multiple outlets provided.

⚠️ **A monitor engineer is provided for touring bands. You're welcome to bring your own monitor engineer and use the house system for free. Please advise us when you advance.**

MICROPHONES/DIs

- ★ 10 x Shure SM58
- ★ 3 x Shure SM57
- ★ 2 x Shure Beta 57A
- ★ 3 x Sennheiser E935
- ★ 1 x Audio Technica M80
- ★ 1 x Shure Beta 56A
- ★ 1 x Shure Beta 91
- ★ 1 x AKG D112
- ★ 6 x Sennheiser 604s
- ★ 2 x AKG 451 condensers
- ★ 1 x Samson C02 condenser
- ★ 2 x Shure PG81 condensers
- ★ 3 x PG56 snare/tom microphones
- ★ 1 x PG52 kick drum microphone
- ★ 1 x AKG AR-133 DI box
- ★ 5 x Behringer active stereo DIs
- ★ 2 x Millenium active DIs
- ★ 2 x Millenium DI-E passive DIs
- ★ 2 x KV2 JK1 mono active DI box
- ★ 2 x KV2 JK2 stereo active DI box
- ★ 1 x KV2 JKA acoustic DI box
- ★ 2 x condenser mics for IEM ambient sound and recording

LIGHTING SYSTEM

CONTROL

- ★ 1 x Avolites Pearl Expert (with a pro upgrade)
- ★ 1 x Avolites touch wing
- ★ Titan 15.1
- ★ 3 universes connected: 2 for stage, 1 for auditorium
- ★ 1 spare DMX line to stage is available

⚠️ **There is no in-house lighting designer but we can provide one at cost on request. Otherwise, you're welcome to bring your own lighting designer and use the house system for free. We can also provide the house showfile in advance if required. Please advise us when you advance.**

FIXTURES

- ★ 8 x Infinity iS-200 200W LED Spot
- ★ 3 x Showtec Spectral M800 Q4 Tour
- ★ 12 x Showtec Shark Zoom Wash One
- ★ 4 x Showtec Shark Combi Spot One
- ★ 7 x ADJ Sweeper Beam Quads
- ★ 8 x Cameo Thunderwash 600 RGBW Strobe/Blinders
- ★ 5 x Equinox Triton Beam Moving Heads
- ★ 4 x ADJ Quad Phase HP Moonflowers
- ★ 4 x Laserworld DS-3000 RGB Lasers

HAZER

- ★ Smoke Factory Tour Hazer II

See LIGHTING PATCH LIST & PLANS for fixture positions.

DJ EQUIPMENT
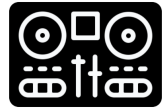
DJ POSITION 1

- ★ Pioneer DJM-900 Nexus mixer
- ★ 2 X Pioneer CDJ-2000 Nexus decks

The decks are set up on a flown DJ table downstage centre. This can be lowered, and the rest of the stage curtained off to enable discreet band clearance/changeover in less than 2 minutes.

The following equipment isn't set up on the DJ table as standard, but is available if required:

- ★ Pioneer DJM-900 NXS2 Serato-enabled mixer
- ★ Pioneer DJM-800 mixer
- ★ 2 X Technics 1210s with cartridges, needles and slipmats
- ★ Serato timecode vinyl

Bands are welcome to use any of our DJ equipment if required.

DJ POSITION 2

There is a secondary DJ position up on the mezzanine, stage right. This is ideal for shows that require a DJ between bands or when the stage is being used for a band during a club night.

VIDEO SYSTEM

OVERVIEW

Our video system is centred around a Blackmagic ATEM 2 M/E switcher running at 1080p 50. It will accept HDMI and SDI inputs/outputs. Video sources and outputs can be positioned anywhere in the venue.

We have Blackmagic Micro Converters available to convert HDMI to SDI and SDI to HDMI, if required.

⚠️ **Note: All video sources must be 1080p 50 fps to work with our switcher**

CONTROL

★ Mac Mini running VDMX into 4 separate outputs as the main video source
★ Blackmagic ATEM 2 M/E Switcher
★ 2 x Blackmagic Hyperdeck Studio 4K pro recorders

When providing video, please use a memory stick or hard drive as the media source. We can accept video in all standard file formats.

SCREENS

★ 2 x Samsung 70" TV screens located either side of the stage
★ 1 x 3m projection screen above the bar

PROJECTION

★ 1 x Epson EB-L1070U 3LCD 7000 Lumen laser projector
★ 2 x Optoma ZH403 4000 Lumen HD laser DLP projector
★ 1 x Acer 7550BD, 3000 Lumen projector

Screens can be linked for projecting immersive surround video onstage.

See *[PROJECTION PLAN](#)* *for positions.*

CAMERA

A Canon N300 PTZ 4K camera is mounted towards the rear of the auditorium
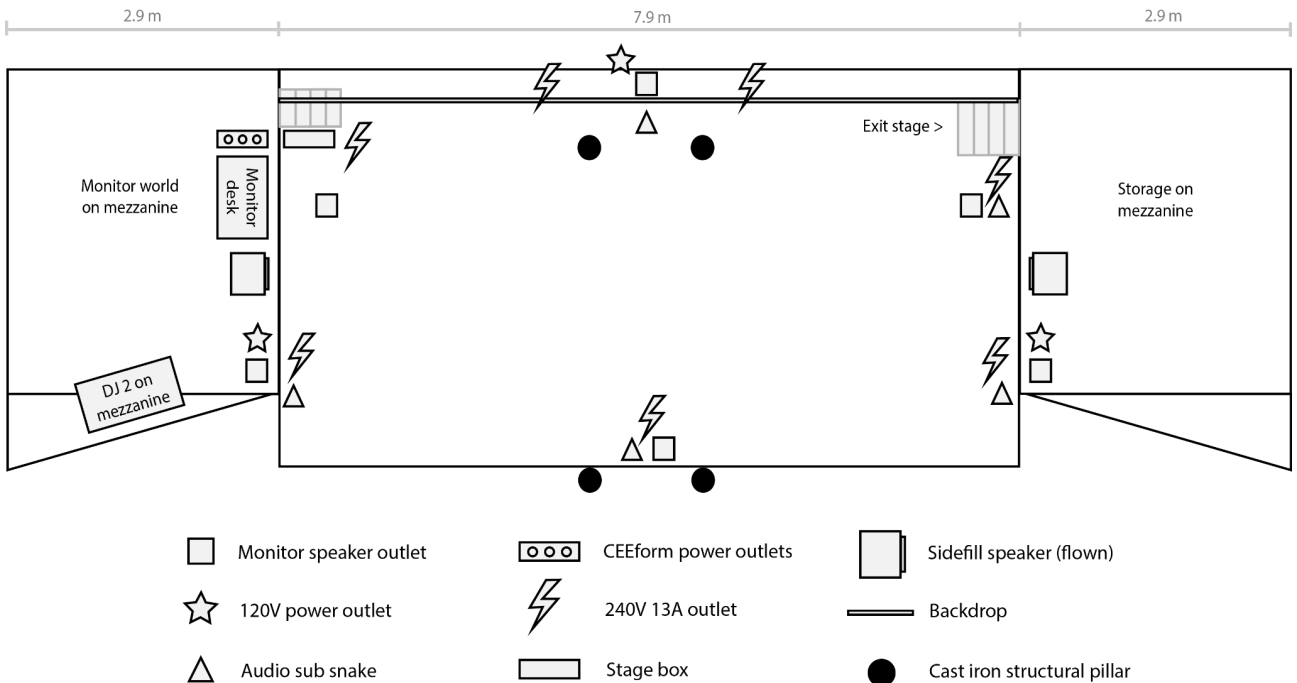
DESK RECORDING SERVICES

A Klark Teknik DN9630 is available for 24-channel multitrack recording to USB.
We can record the show and transfer the tracks to a USB stick for you to keep. Please contact us for prices.

⚠️ **If you would like us to record your show, please advise us when you advance.**

A 45-minute show creates approximately 30GB of .wav audio data for 24 tracks.

A Zoom H6 recorder is available for your use, connected via the matrix out on XLR.

STAGE PLAN

▢ Monitor speaker outlet	⊡⊡⊡ CEEform power outlets	▧ Sidefill speaker (flown)
☆ 120V power outlet	⚡ 240V 13A outlet	▭ Backdrop
△ Audio sub snake	▭ Stage box	● Cast iron structural pillar

LIGHTING PATCH LIST & PLANS

UNIVERSE 1 & 2 - ONSTAGE

U	#	Fixture	Channels
1	1	Infinity iS-200 Moving Head Profile	21
1	22	Infinity iS-200 Moving Head Profile	21
1	43	Infinity iS-200 Moving Head Profile	21
1	64	Infinity iS-200 Moving Head Profile	21
1	85	Infinity iS-200 Moving Head Profile	21
1	106	Infinity iS-200 Moving Head Profile	21
1	127	Infinity iS-200 Moving Head Profile	21
1	148	Infinity iS-200 Moving Head Profile	21
1	169	Spectral M800 Q4 Tour LED Flood	15
1	184	Spectral M800 Q4 Tour LED Flood	15
1	199	Spectral M800 Q4 Tour LED Flood	15
1	214	Shark Zoom Wash One	15
1	229	Shark Zoom Wash One	15
1	244	Shark Zoom Wash One	15
1	259	Shark Zoom Wash One	15
1	(274	Shark Zoom Wash One)	15
2	215	Shark Zoom Wash One (floor)	15
2	230	Shark Zoom Wash One (floor)	15
2	245	Shark Zoom Wash One (floor)	15
2	260	Shark Zoom Wash One (floor)	15
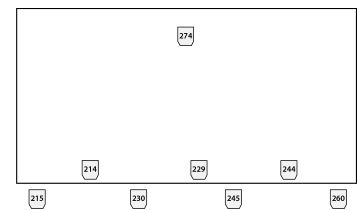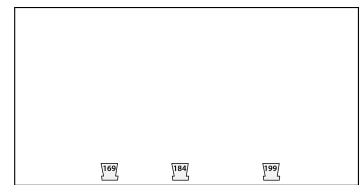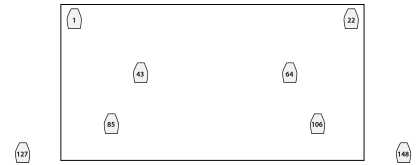
1	289	ADJ Sweeper Beam Quad LED	39
1	328	ADJ Sweeper Beam Quad LED	39
2	137	ADJ Sweeper Beam Quad LED	39
1	367	ADJ Sweeper Beam Quad LED	39
2	176	ADJ Sweeper Beam Quad LED	39
1	406	ADJ Sweeper Beam Quad LED	39
1	445	ADJ Sweeper Beam Quad LED	39
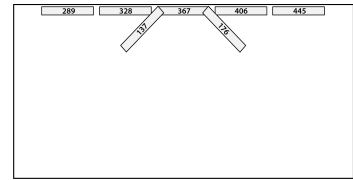
2	1	Cameo Thunderwash 600 RGBW	7
2	8	Cameo Thunderwash 600 RGBW	7
2	15	Cameo Thunderwash 600 RGBW	7
2	22	Cameo Thunderwash 600 RGBW	7
2	29	Cameo Thunderwash 600 RGBW	7
2	36	Cameo Thunderwash 600 RGBW	7
2	43	Cameo Thunderwash 600 RGBW	7
2	50	Cameo Thunderwash 600 RGBW	7
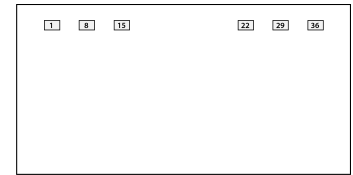
2	57	Showtec Shark Combi Spot One	20
2	77	Showtec Shark Combi Spot One	20
2	97	Showtec Shark Combi Spot One	20
2	117	Showtec Shark Combi Spot One	20
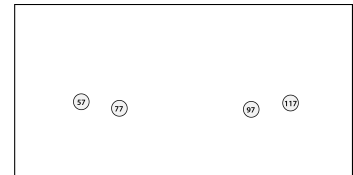
|			
2	275	Laserworld DS-3000 RGB Laser	34
2	309	Laserworld DS-3000 RGB Laser	34
2	343	Laserworld DS-3000 RGB Laser	34
2	377	Laserworld DS-3000 RGB Laser	34
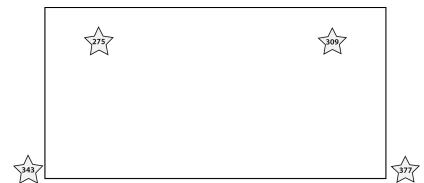
1	484	Smoke Factory Tour Hazer II	2

UNIVERSES 1 & 2 - ONSTAGE PLAN

289	**328**	**367**	**406**	**445**	

1

| 1 | 8 | 15 | 137 | 274 | 176 | 22 | 29 | 36 | 22 |

275

309

43

64

57

77

97

117

85

106

214 169

184 229

199 244

127 343

377 148

215

230

245

260

KEY

⬡ iS-200 moving head   ▭ Thunderwash 600

⊔ M800 flood   ★ DS3000 laser

◯ Shark combi spot   ⬠ Shark zoom wash

▭ ADJ sweeper beam
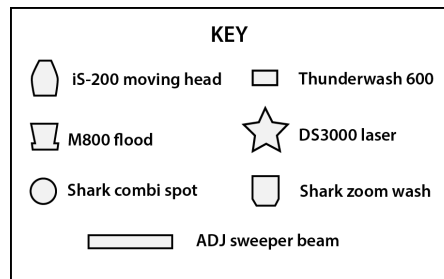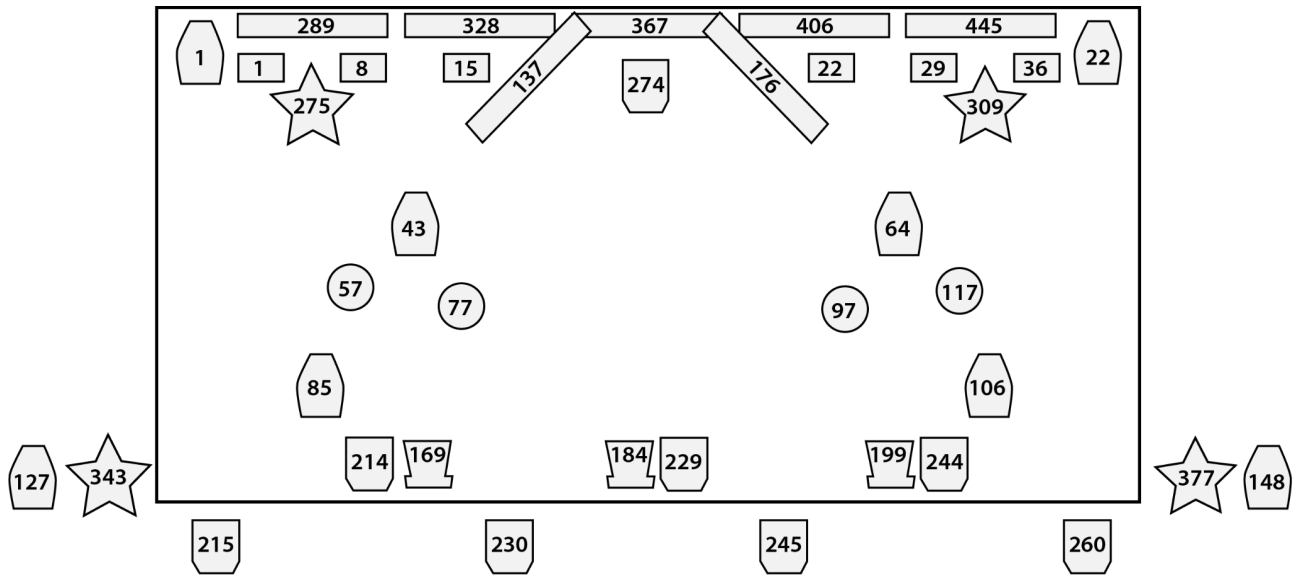
UNIVERSE 3 - AUDITORIUM

U	#	Fixture	Channels
3	1	Shark Zoom Wash One	15
3	16	Shark Zoom Wash One	15
3	31	Shark Zoom Wash One	15
3	46	Shark Zoom Wash One	15
3	61	Shark Zoom Wash One	15
3	76	Shark Zoom Wash One	15
3	91	ADJ Quad Phase HP Moonflower	4
3	95	ADJ Quad Phase HP Moonflower	4
3	99	ADJ Quad Phase HP Moonflower	4
3	103	ADJ Quad Phase HP Moonflower	4
3	107	LEDJ Performer 18 Quad Flood	8
3	115	Equinox Triton Beam	4
3	129	Equinox Triton Beam	4
3	143	Equinox Triton Beam	4
3	157	Equinox Triton Beam	4
3	171	Equinox Triton Beam	4

UNIVERSE 3 - AUDITORIUM PLAN

91

95

1

16

31

129

115

143

157

171

46

61

76

107

99

103
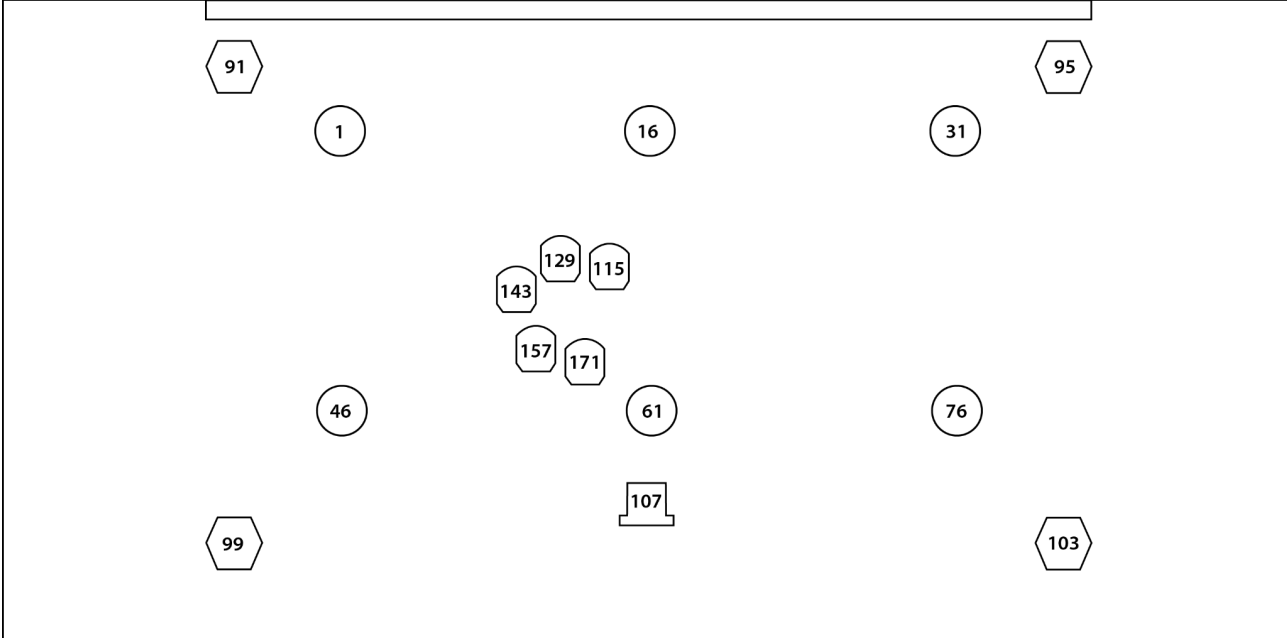
KEY

⬡ ADJ moonflower

⊓ LEDJ quad flood

◯ Shark zoom wash

⬠ Equinox triton beam

PROJECTION PLAN