

# Chapel FM Technical Specification

## Studio 3/Radio Theatre

### Sound Specification

**Console:** Behringer X32 with XUF expansion card  
Patched as follows:  
24 mic/line inputs at stage box 1 (1-16) and stage box 2 (17-24) on XLRs  
8 inputs from XUF expansion card connected to Mac Mini (see playback / recording section)  
4 monitor outputs: 1&2 at stage box 1, 3&4 at stage box 2 **on balanced ¼" jack sockets**  
4 FOH outs – L & R front, L & R rear – feeds Behringer CX3400 Super-X Pro Crossover into bi-amped PA  
1 stereo out to broadcast system

#### **Loudspeakers & Amplification:**

2x Mid/Top Speakers (front): The Box Pro Achat 804  
2x Mid/Top Speakers (rear): The Box Pro Achat 404  
2x Subs: The Box Pro Achat 112 Sub  
3x Crown XLi 1500 Power Amplifier (one for fronts, one for rears, one for subs)

#### **Playback/Recording:**

1x Apple Mac Mini with ProTools 11 – 8 channel output via interface to X32  
1x IMG Stageline CD-262 DJ Professional Dual CD Player  
1x Laptop with Blu-Ray & DVD player  
1x Beyerdynamic DT Headphones

**Microphones:** 7x SM-58  
3x SM-57  
4x XM9  
1x XM3  
1x D112  
1x SM7B  
3x NT2-A  
1x AT4033A  
3x M58  
3x C1000S  
3x NT3  
2x MKH-416  
1x ECM-66B  
1x AT-8531

**DI Boxes:** 3x ULTRA-DI DI20  
1x ULTRA-DI DI400P  
2x Sound LAB GO25N  
1x Zdirect DI Box

**Mic Stands:** 12x K&M 21090 tall telescopic boom stands  
4x K&M 25950 short telescopic boom stands  
8x misc lower quality tall stands  
4x misc lower quality short stands

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**Monitors:**

- 2x RFC HD-10A Monitor (active)
- 2x ST audio CD-12p Monitor (active)
- 1x Yamaha Side Fill Monitor (active)

**Backline:**

- 1x Drum kit - shells and hardware, snare, basic set of cymbals & drum stool
- 1x Bass Amp – Fender RUMBLE 75
- 1x Guitar Amp - Fender P295
- 1x Guitar Amp - Marshall MG 30 DFX
- 1x Guitar Amp - Orange CRUSH 35LDX
- 1x Yamaha 88 note keyboard
- 1x Casio 88 note keyboard

### Lighting Specification

- 1x DMX control desk – Zero 88 FLX S24 – Touchscreen colour mixing, 24 faders
- 8x Chauvet COLORdash Par-Quad 18 (RGBA LED washes flown in the rig - see plan)
- 8x Chauvet COLORdash Par-Quad 7 (RGBA LED washes flown in the rig – see plan)
- 4x Chauvet COLORdash Par-Quad 18 (in the store for floor positioning on floor stands)
- 2x Chauvet Intimidator Spot 375Z IRC moving head light with 10-23 degree zoom
- 1x Chauvet Hurrigan Haze 1DX

### AV Specification

**Projection:**

- 1x Panasonic PTEZ570EAWK Projector flown above the desks position in the rig
- 1x 3.5m viewing area electric screen 16:9 at the up-stage position

**Video:**

- 3x remote controllable Datavideo PTC-100 cameras
- 1x Panasonic Remote Camera Controller AW-RP50
- 1x Streaming hardware box
- 1x Hyperdeck studio software
- 1x Roland 40HD vision mixer

### Miscellaneous

**Comms:**

- 1x Tecpro single circuit wired comms system with 1 headset in studio 3, linked to desktop intercom units in studios 1 and 2 and the open space area