**Darwen Library Theatre technical specification and equipment list 2020**

**Main PA System**

4 x Court Acoustics LX series mid-high units, 3-way passive (15” Fane bass driver, 1.5” B&C compression driven horn on a 400 x 600 Flare, and a 1” B&C VHF compression driver on slot style flare) 4 x 2x15 nova subs, 2 x Sherman MX200 mono front fills (auditorium setting dependant) 2 x JBL control rear auditorium, stereo (non-delayed for cinema and film playback FX)

**System control and amplification**

1 x DBX Driverack, with custom program 1 x Yamaha Q2031B 31 Band Graphic for FOH EQ 1 x Behringer EP4000 (subs) 1 x Behringer EP2400 (mid-high) 2 x Studiomaster 700D (front fills and stereo surround)

**House mixing console & effects**

1 x Allen & Heath GL2200 (24 Channel) 1 x Yamaha LS9

**Analogue FX / Inserts rack containing:**

1 x Behringer Multicomp Pro, four channel compressor 1 x Behringer Multigate, four channel gate 1 x Digitech Studio S100 Dual engine Reverb 1 x Lexicon MPX500 Reverb with tap delay

**Audio playback**

1 z Sony MDS E-10 Minidisc player 1 x Tascam CD01U CD Player 1 x HHB UDP-89 universal CD Player (CD playback including mp3 on disc and DVD)

**House Multicore & Cabling**

Analogue 24 channel with 8 returns and monitor splits. There is provision to relocate the multicore tails to an alternative mix position at the rear of the auditorium, rather than the control room.

There is a production set of XLR cabling in standard lengths, and various XLR satellite boxes and looms.

 **Microphone, Stands and DI stock**

microphones:

1 x Shure Beta 58 4 x Shure SM58 3 x Shure SM57 4 x General purpose Cardioid Dynamic Vocal microphones 4 x Dynamic instrument microphones with drum rim clamps 2 x General purpose cardioid condenser microphones 1 x Large diaphragm instrument microphone 3 x Audio Technica U83R choir condenser microphones (installed)

Note – Specific preferred microphones and Desks are available for hire by prior arrangement

**Microphone stands:**

2 x Round Base tall boom stands 10 x Tall boom stands 10 x Short booms stands

**Direct Injection Boxes**

6 x Active boxes, with both 1/4” Jack, and unbalanced XLR inputs 3 x IMQ passive boxes

**Monitor System & EQ**

6 x Alto PS4LA (Active bi-amped wedge) 2 x Alto TS115A (Active bi-amped wedge) 1 x powered 15” drum-fill sub. Four inserts of 31 band EQ's (InterM) for monitor sends

There are dedicated power distribution & looms for the monitor system

**Lighting dimming and control**

1 x Zero88 Leapfrog lighting console 1 x Strand 'Golfball' GSX lighting console 1 x DMX splitter with three dedicated DMX lines directly to stage 3 x Strand LD90 dimmer racks, providing 72 channels of hard patched circuits to grid IWB's, FOH IWB's, booms, and stage floor traps.

**Lighting Fixture stock**

Profiles:

4 x ETC Source4 Junior 260 4 x ETC Source4 Junior 360

4 x ETC Source4 Junior 500 12 x Patt 23 (with T26 conversion) Fresnels:

8 x Strand Cantata F (T29 loaded) 8 x Strand Cantata PC (T29 loaded) 8 x Patt 123 (with T26 conversion) 2 x Furse F (T26 loaded)

Parr Cans: 24 x Parr 64 Cans (CP61 loaded)

Moving Lights: 2 x Mac 250 6 x Martin scans

Cyc Washes: 4 x Strand 8 cell battens (3 circuit), covering Back wall / backdrop position

LED uplighting: 8 x LEDJ 7Q5 Quad colour (RBGW) short nose fixtures with double yoke

Miscellaneous: 4 x Parr 36 Pin Spots 1 x 12” mirror ball with rotator 1 x LED star cloth (6x5 metres) with controller 1 x DMX Hazer

**Accessories**

Gel frames for all lantern stock Barn doors for all Strand Cantata stock 2 x Source 4 Irises 12 x Size 'M' Gobo holders for Source4 profiles 4 x Short tripod floor bases (M10 top=hat spigots) All lanterns fitted with 2” pipe clamps and safety chains Venue gel stock contains of standard theatre and regular concert colours

Note: All lantern stock and dimmable outlets are standardised at 15A. The venue carries a standard stock of TRS (Tough Rubber Sheath) cabling, and also a set of 13A &16A mains/hot power and distribution.

**Projection and video playback**

1 x Sanyo Pro Xtrax projector and flying hardware 1 x HHB UDP-89 player for DVD playback 1 x Newhank Pro Blu-Ray player

Portable LCD projector and small self-supporting screen for presentations

**Stage management & Paging**

A bespoke stage managers rack contains an ASL headset base station for communication between stage, the FOH control room and various points around the venue. The paging system allows live stage audio, and show calls to be sent to the bar, green room, and dressing rooms separately. A six channel 'traffic light' style cue light system is implemented and controlled from the stage managers position. A show timing clock, reading light and script shelf complete the rack. Normally resident stage right, the wheeled rack can be relocated stage left if needed