

Polka Theatre Technical Specifications pack

See separate documents for Main Theatre ground plans and Lighting plans.

Last updated: 02/02/17

MAIN THEATRE

AUDITORIUM:

- 300 seat raked auditorium with four removable seats DSL (Auditorium right) for Wheelchair space.
- Lift access to Auditorium level but not stage level.

STAGE:

- Proscenium arch with large Thrust / front apron and a permanent step mid-stage (See separate ground plans available on separate download.)

DIMENSIONS:

- 3.5m to grid height on step - Sets no higher than 3.4m.
3.8m to grid height downstage of step.
6.7m width Pros to Pros.
6.3m Step to front edge of stage.
11.10m Upstage wall to front edge of stage.
- No fly-tower: please see cross section for heights.
- 5 traps: please see ground plan for positions.
- Get in very restricted through standard double fire exit doors on the rear of the building and upstairs with two turns or through front of building and upstairs with one turn.

- No house tabs – see drapes stock for list of cloths.
- No prompt desk – Stage Management normally situated in Control Box at rear of Auditorium as operator.
- Tech-Pro Comms between DSL & LX/Sound in Control box.
- No cue lights – apart from strobe beacon attached to Comms.

BLACK SERGE LEGS:

1m x 3.5m x2

1.6m x 3.9m x6

1.6m x 3.5m x1

1.8m x 3.6m x1

1m x 3.9m x5

2m x 3.5m x3

2m x 3.4m x1

2m x 3.9m x1

2.5m x 3.85m x4

2m x 3.9m x2

2m x 3.45m x1

2.9m x 3.6m x1

OTHER:

1x large blue gauze.

1x large black gauze.

1x large calico.

1x BP screen.

See next page for MAIN THEATRE CONTROL ROOM

MAIN THEATRE CONTROL ROOM

PLAYBACK SOURCES:

2x Sony MDS-E52 Mini-disc Players.

1x Technics SL-PG3 CD Player.

1x Sony CD Player.

Dell Inspiron 530S 2.3Ghz 3GB ram 250GB running Adobe Audition 2.0, CSC Show Control Full Version 2.5 & SCS Professional for WAV file Show playback – playback outputs with Cakewalk UA-101 10 In/Out USB2 Interface.

Mac Pro Tower 2x 2.4Ghz Quad-core Intel Xeon, 8GB ram, 1TB 7200rpm HD, 2x ATI Radeon HD 5770 1GB, 1x 18x Superdrive, 6x VGA outputs, loaded with Qlab pro-bundle – Cakewalk soundcard has to be used from other machine if for sound use.

MIXING:

Soundcraft Delta SR 24CH (16 Mono/8 Stereo/4 Group/ Mixing desk and PSU.

24-way Fixed Tie-lines to SL breakout box.

AMPLIFICATION:

2x BSS Soundweb 9088 Digital Matrix devices.

2x Crown K1 Amplifiers.

5x Crown K2 Amplifiers.

(Amps are routed to all speakers throughout space / Soundweb settings not to be altered).

MAIN THEATRE FIXED AUDITORIUM SPEAKERS:

6x Tannoy T40 Subs (fixed positions – not to be moved).

8x Tannoy i12 Mid / highs (fixed positions – not to be moved).

2x RCF Subs under seating (fixed positions – not to be moved).

4x Martin Delays/foldback monitors.

4x 330W 15" Active PA Speakers (for placement where desired on stage).

COMMS:

Canford Audio Tech-Pro 2ch Comms station.

7x Canford Audio Tech-Pro DMH 2200 Cans.

6x Canford Audio Tech-Pro BP111 Belt-packs.

OTHER:

1x Ampetronic ILD9 Induction Loop Amp.

6x AKG SR300 Radio Mic Stations.

1x AKG PS300 Aerial Station.

1x Panasonic WJ-AVE55 Vision Mixer.

2x JBL Control 5 Studio Monitors.

1x Denon Monitor Amplifier.

1x Alesius Midiverb 2 Reverb unit.

1x Denon DN990R MD recorder.

1x Denon DN-770R Dual cassette recorder.

1x Soundcraft Spirit Notepad Mixer.

1x DI box.

MAIN THEATRE MICROPHONES:

5x AKG V3800 Vocal Mics.

1x AKG C368 EB Rifle Condenser Mic.

1x Sennheiser Rifle Condenser Mic.

2x AKG PT 300 Headset Radio Mics.

1x Sennheiser Lapel Mic.

1x AKG C5900 Handheld Radio Mic.

2x AKG WMS40 Handheld Radio Mics.

2x AKG C1000s Condenser Mics.

Realistic P2M Float Mic.

3x Boom mic stands.

LIGHTING:

- ETC Ion Lighting desk V1.9 with dual monitors. – 2 DMX Universes.
- ETC Radio Riggers remote.
- **72 hardwired 2.5kw dimmer circuits** - Strand EC90 Dimmers --
NO PATCH BAY – all patching via lighting desk
soft-patch.
- 6x Hardwired fixed grid IWB's – see LX plan info plan for details – 72 circuits spread over this. Scaff bars can be moved between IWB's for further LX positions.
- 8 hard power 5 amp Independents – see LX info plan for positions.
- Various effects units available – See Lantern Inventory below in document.

BACKSTAGE:

- Dressing room 1: Seats 3.
- Dressing room 2: Seats 4.
- Unisex shower and toilets.
- Washing Machine / Hotbox & Tumble Dryer available.

See next page for LX inventory.

LX INVENTORY – UPDATED DEC 2017 – PLEASE NOTE MOST ACCURATE INVENTORY SHOULD BE REQUESTED AT TIME OF LIGHTING DESIGN.

ITEM: QUANTITY AVAILABLE: TYPE: OVERALL STOCK:

FRESNELS:

ADB 1k Fresnel	2	Fresnel	2
Starlette 1K Fresnel	8	Fresnel	8
Patt 743 1K Fresnel	12	Fresnel	12
Freble 650w Fresnel	4	Fresnel	4
Minim 500w Fresnel	6	Fresnel	6
Patt 123 500w Fresnel	9	Fresnel	9
Quartet 500w Fresnel	0	Fresnel	12
Freble 650w PC	4	Pebble convex	4

PROFILES:

Source 4 575w fixed	18	Profile	18
Source 4 Lenses	10x 50'	Profile lenses	26
	4x 36'		
	4x 26'		
	8x 19'		
Source 4 Junior 25-50 575w	13	Profile	19
Source 4 Zoom 25-50 575w	4	Profile	4
Freedom 20/40 650w	7	Profile	7
Freedom 28/58 650w	8	Profile	8
Prelude 16-30 500w	2	Profile	2
Patt 23 500w	10 – TRY NOT TO USE	Profile	10
Par 36 Pin-spot 30w	11	Par 36	11

PARS:

Par 64 1K Long nose	12	Parcan	12 (CP60, 61, 62, EXG).
Par 64 1k Short nose	6	Parcan	6
Source 4 Pars 575w	8	Parcan	12 (All lens types).
Par 36 Pinspots 30w	11	Parcan	11
Par 16 Birdies 50-75w	?	Parcan	24

FLOODS:

Coda Floods 500w	15	Flood	18
Selecon Floods 500w	2	Flood	4
Small 150w Floods	9	Flood	9

AUTOMATED FIXTURES:

Rosco IQ Moving mirrors	2	Automated	2
Martin Mac 500 Profiles 575w	2	Automated	2 (Not to be on Foh)
Martin Mac 600 Washes 575w	2	Automated	2 (Not to be on Foh)

Rainbow 8" Pro Scrollers
(Fit 185mm x 185mm Gel holders).

8 Automated

10 (Fit S4 Zoom/S4
Par/Parcans/Starlettes/Freedoms.

SPECIAL EFFECTS LIGHTING:

'M' Size gobo Rotators

2 FX

2

'B' Size gobo Rotators

3 FX

3 NB – 1x 'B' size is fixed speed!

DHA 4 channel Gobo rot controller

2 FX

2

DHA 2 channel Gobo rot controller

1 FX

1

Geni 1500w Linear Strobe

1 FX

1 NB – not dmx controllable –
INDI only, pre-set speed.

Geni 80W box Strobe

2 FX

2 NB – not dmx controllable –
INDI only, pre-set speed.

S4 Zoom Strobe

1 FX

DMX controllable.

KK Wheel motors

2 FX

Fit S4 Zoom, S4, Freedoms.

KK discs available:

Rain

2 FX

2

Water

2 FX

2

Patt 252 Projectors 1K

2 FX

2 – Large units – bear position in
mind.

252 discs available:

Clouds

2 FX

2

Snow

1 FX

1

Fire

2 FX

2

Blank

2 FX

2

Yoyo

1 FX

1

Tubular Ripple

0 FX

1

Small mirror balls with motor

3 FX

3

SMOKE AND UV EFFECTS:

Antari Smoke machine

2 FX

2 NB – not dmx.

Source Smoke machine

1 FX

1 NB – not dmx / key fob
remote.

Scotty Smoke machine

1 FX

1 NB – mains only – not dmx.

Tiny Fogger

1 FX

1

Unique 1 Hazer

1 FX

1 NB - dmx controllable.

Antari VF1 – Fazer (Hazer)

1 FX

1 NB – Adventure Theatre only –
not dmx controllable.

Antari Bubble machine

0 FX

2 – not dmx – single heads.

Euro-lite Fragrance machine

1 FX

1 – Adventure Theatre only –
not dmx.

UV Fluorescent tubes 4' long +
fitting.

9 FX

9

UV Canons 300w per unit

2 FX

2

HOUSE SCROLLER COLOURS (27 FRAMES):

0 ROSCO 00	CLEAR
1 ROSCO 07	PALE YELLOW
2 ROSCO 09	PALE AMBER
3 ROSCO 15	DEEP STRAW
4 ROSCO 19	FIRE
5 ROSCO 21	GOLDEN AMBER
6 ROSCO 26	LIGHT RED
7 ROSCO 36	MEDIUM PINK
8 ROSCO 339	BROADWAY
9 ROSCO 48	ROSE PURPLE
10 ROSCO 56	GYPSY LAVENDER
11 ROSCO 58	DEEP LAVENDER
12 ROSCO 63	PALE BLUE
13 ROSCO 81	URBAN BLUE
14 ROSCO 85	DEEP BLUE
15 ROSCO 388	GASLIGHT GREEN
16 ROSCO 90	DARK GREEN
17 ROSCO 95	MEDIUM BLUE
18 ROSCO 43	DEEP PINK
19 ROSCO 55	LILAC
20 ROSCO 317	APRICOT
21 LEE HT 197	ALICE BLUE
22 ROSCO E 200	DOUBLE CT
23 ROSCO E 201	FULL CT BLUE
24 ROSCO E 202	HALF CT BLUE
25 ROSCO E 205	HALF CT ORANGE
26 LEE 728	STEEL GREEN

See next page for Adventure Theatre specifications.

Adventure Theatre

AUDITORIUM:

- Studio space - maximum capacity 80 depending on show.
- Banked seating at rear for adults with carpeted area to front for children.

STAGE & SPACE DIMENSIONS:

- Parquet floored performance Area 5.40m wide by 3.70m deep at side edges – expanding to 4.10m on the centre line.
- Height: 3.70m.
- Height to underside of grid 3.20m
- Overall space length: 9.40m
- Overall space width: 5.60m
- 4x Mini Tr-lite LX bars are 3m in length and spaced at 2m intervals.

LOAD IN:

- Load in from Bridges Road Mews at rear of Theatre.
- Please note load in is through standard double emergency doors.

LIGHTING EQUIPMENT:

- ETC Express Lighting desk and flat-screen.
- ETC Riggers remote.
- 24-ways of dimming using –
4x Beta-pack 3 / 6-way 10 amp DMX Dimmers onto 4x 2m tri-lite truss.
- 1x Wybron Forerunner PSU – for Rosco moving mirrors and Scrollers.
- 4x 10 metre socapex feeds to rig – 6 ch per bar.
- 12x 500w Quartet Fresnels.
- 4x Source 4 Junior Profiles 25-50d.

Other lanterns are available from overall stock list as detailed above depending on Main Theatre usage – please enquire in advance with Chris Barham – Technical Manager.

- Large amount of Stock gel* available to be requested in advance.

SOUND EQUIPMENT:

- HP Desktop PC (2GB Ram/136GB HD/Intel Celeron 2.20GHz P/Windows Vista - running SCS Professional – M-Audio Delta 44 Soundcard giving 4 individual outputs.
- 1x Mini disk deck.
- 1x CD deck.
- Spirit folio note pad control, 4 mono and 2 stereo channels.
- 4x Yamaha powered speakers with Jack/XLR inputs.

OTHER DETAILS:

- Curtain track all round studio with black curtains** permanently rigged.
- 1 Dressing room available with sink and iron/ironing board – max two person capacity.
- Availability of some colours may be limited.

** Please check with Production Manager Dan Rainsford as this may change.

See next page for Sound Studio Equipment.

ANNEXE MAIN SPACE:

1. Flight-case containing: Soundcraft EPM 6 Mixer.
Crest CPX1500 Amplifier.
Denon DCD-485 CD player.

Out of case:

- 2x Tannoy V6 Loudspeakers.

ANNEXE SOUND STUDIO:

1. Dell Dimension E521 PC - AMD X2 Processor.
DVD Rom / DVD burner.
Soundblaster X-Fi Elite Soundcard.
2GB Ram / 320GB hard-drive.
Software includes: Adobe Audition 2.0, Adobe Premiere, CSC show control
A large A-Z Archive of Sound-effects wavs / mp3's loaded onto this machine.
No BBC effects discs.
2. 2x Yamaha NS-10M Studio Monitors.
3. Sony MDS-B5 Minidisc recorder.
4. Denon DN-981F Minidisc recorder.
5. Denon DN-M1050R Professional MD recorder.
6. EMU – ESI-32 Digital Sampler.
7. Powerbrite PB11.
8. Mackie – Micro Series 1402-VLZ 14 channel Mic/Line mixer.
9. Behringer – Ultramatch Samplerack and Format Converter.
10. Denon Power Amp.
11. Marantz PMD 321 CD Player.
12. Aiwa AD-F450 Single Stereo Cassette recorder.
13. Midi-smart Keyboard.
14. Studio-spares Enhanced Patch bay.
15. Yamaha 36-key PSR-330 keyboard with pedal.
16. Yamaha 52-key Clavinova CLP-650.
17. EMO RKI Rack light.
18. 2x Lit RAT stands.

OTHER AV EQUIPMENT AVAILABLE:

- 4x Data projectors. (2x 1300 / 1x 2200 / 1x 4000 lumens).
- 3x OHP's.
- 2x DVD players.
- 1x VHS VCR.
- 5x Portable CD/Radio's.
- 1x Sony Handycam DCR-VX2000E.
- 1x 12' (3.65 metres) x 9' (2.74 metres) front or rear (BP) Fast-fold projection screen.
- 1x 4' x 4' tripod front projection screen.
- 1x Presentation Laptop/Presentation remote.
- 1x universal Camera Tripod.

See next page for Gobo inventories

**'B' & 'M' SIZE GOBO INVENTORY –
In Red A-Z file box**

TREES/BRANCHES – A FILE:

- 7x B107 Pine Branches
- 3x B404 Tree 4
- 2x B238-235 Bare Branches
- 2x B838 Palm tree
- 14x B117 Vine Leaves
- 1x B238-278 Bare Branches (reversed)
- 6x B110 Tree 6
- 1x B106 Bare Branches 2
- 4x B105 Blossoms
- 3x B100 Tree
- 11x B126 Jungle Leaves
- 2x B551 Winter trees
- 2x B103 Foliage medium
- 1x B109 Blossoms (detail)
- 1x B238-280 Dense Leaves (detail)
- 1x B size Willow Tree
- 1x B Size generic branches
- 3x M103 Foliage Medium
- 1x Standard branches
- 1x B238-273 Flowers
- 6x M119 Small foliage
- 10x B550 Martin Guerre Branches 2

FIREWORKS – B FILE

- 1x B801a Fireworks 5A
- 2x B801b Fireworks 5B
- 2x B801c Fireworks 5C
- 3x B238-267 Fireworks 2
- 3x B238-266 Fireworks 1
- 1x B365c Fireworks 3C
- 1x B800a Fireworks 4A
- 1x B365b Fireworks 3B
- 1x B Explosion

GEOMETRIC SHAPES – C FILE

- 14x M8049 Chessboard
- 1x B396 Geometrics 12

See next page for more –

GRAPHICS AND GRILLS – D FILE

- 3x B508 Slats
- 1x B90 Bars
- 4x M545 Grills 8
- 1x B156 Star A
- 1x M978 Les Mis Grill 2
- 14x B112 Stars 1
- 1x B238-252 Stars 4
- 1x B932 Stars 6
- 1x B388 Stars 5
- 1x B814 Zap

BREAK-UPS – E FILE

- 10x B524 Squares
- 2x M524 Squares
- 7x B501 Linear 3
- 2x B561 Linear 7
- 4x M501 Linear 3
- 5x M410 Ocelot
- 3x B238-288 Web
- 4x B809 Sharp break-up
- 11x B879 Triangle break-up
- 10x M879 Triangle break-up
- 5x B119 Leaf break-up
- 4x B805 Leaf break-up
- 1x B238-285 Sharp break-up
- 1x B811 Soft break-up
- 1x B572 Autumn break-up
- 1x B238-254 Arabesque
- 1x B407 Large dapple
- 3x B238-285 Sharp break-up
- 2x B405 Dapple small
- 1x M447 Leaf Break-up
- 4x B7217 Pick up sticks
- 6x B578 Wiggles
- 1x B913 Brush Strokes
- 2x B953 Forest Floor 2
- 1x B569 Elipses
- 1x B807 Break-up small
- 1x M238-285 Sharp break-up medium

WINDOWS/DOORS/BLINDS – F FILE

- 4x B904 Venetian Blind 2
- 3x B215 Louvre
- 2x B644 Georgian Window
- 1x B802 Complete
- 1x B135 Regency
- 1x B124 Lattice
- 1x B337 Eastern
- 2x B143 French windows
- 1x B7279 Industrial window
- 1x B139 Venetian
- 2x M542 Tropical Window

ROTATION – G FILE

- 1x B74011 Symmetric 11
- 1x B929 Whirl
- 1x B989 Les Mis Whirlpool
- 3x B925 Ratchet
- 5x B238-261 Spiral
- 5x B8116 Football
- 1x B920 Clockface
- 1x B891 Laser Line
- 4x B896 Nebula

TEXT GOBOS – H FILE

- 2x B size 'The Snow Lion'
- 5x B size 'Eternity'
- 2x B size 'Rooftops of the World'
- 2x B size 'Tibet'
- 1x B940 'Happy Birthday'

THE WORLD AROUND US – I FILE

- 1x B818 Fire Escape
- 1x B161 Shield
- 1x B238-286 City Lights
- 2x B size Lions
- 2x B213 Fairy Castle
- 1x B302 Skyline 1
- 1x B size Knight
- 1x B947 Bat
- 1x B size Grasses
- 1x B815 Tower Bridge

- 1x B816 London
- 1x B size Tower
- 1x B817 Meshed water towers 1
- 1x B819 Meshed water towers 2
- 4x B741 Fire escapes

BOUNDARIES AND WILDLIFE – J FILE

- 10x B129 Negative web
- 2x B238-287 Cobblestones
- 2x B950 Dry Stone Wall 1
- 6x B130 Half web

WATER AND SKY – K FILE

- 1x B171 Rainbow A
- 1x B172 Rainbow B
- 1x B173 Rainbow C
- 11x B514 Star Cluster
- 6x B851 Realistic Stars

CLOUDS – L FILE

- 1x B830 Cumulus
- 1x B831 Stratus
- 1x B164 Cloud 6

WATER AND SKY – M FILE

- 1x B7220 Moon
- 2x B425 Swell
- 2x B903 Reflected water 1

CHURCHES AND HERALDICS – N FILE

- 1x B361e White Stained glass
- 6x B128 Heraldics 4
- 1x B162 Heraldics 1
- 1x B158 Heraldics 7

FIRE AND ICE - PQ FILE

- 6x B238-272 Snowflakes
- 1x B175 Flames 1
- 1x B238-275 Fires/Waves
- 1x B960 Flames 4
- 1x M400 Sun

'A' SIZE GOBO INVENTORY –
'A' Sizes in Grey file box –

BREAK-UP'S - FILE 01

- 5x A238-288 Web
- 11x A117 Vine leaves
- 1x A805 Leaf break-up medium
- 6x A238-285 Shark break-up
- 5x A126 Jungle leaves
- 7x A238-232 Realistic leaves
- 3x A806 Leaf break-up large
- 2x A238-254 Arabesque
- 4x A811 Soft break-up
- 3x A502 Linear 4
- 6x A524 Squares
- 2x A402 Linear 2
- 2x A238-253 Lashes
- 10x A564 Loose weave
- 6x A953 Forest Floor 2
- 1x A595 Bark texture
- 1x A280 Jaws 1
- 3x A238-222 Large break up
- 4x A109 Blossom (detail)
- 1x A78274 Dappled leaves
- 1x A238-279 Foliage medium

WINDOWS/DOORS/BLINDS – FILE 02

- 2x A148 Elizabethan
- 5x A124 Lattice
- 5x A138 "Cats" window
- 2x A139 Venetian
- 1x A350 Tudor
- 1x A135 Regency
- 2x A238-203 Double hung window
- 1x A238 Statesman
- 5x A904 Venetian blind 2
- 5x A215 Louvre
- 3x A569 Elipses
- 2x A912 Squibble
- 1x A809 Small sharp break up
- 2x A8125 Squiggle

GRAPHICS AND GRILLS – FILE 03

- 2x A978 'Les Mis' Grill 2
- 6x A623 Wire

CHURCHES AND HERALDICS – FILE 04

- 2x A207 Heraldics 6
- 1x A162 Heraldics 1
- 1x A856 York Minster
- 2x A145 Rose
- 2x A180 Heraldics 5
- 2x A845 Medieval
- 1x A846 Gothic

BOUNDARIES AND WILDLIFE – FILE 05

- 6x A129 Negative web
- 2x A130 Half web
- 5x A527 Bricks
- 3x A519 Stone wall
- 3x A238-287 Cobblestones

WATER AND SKY - FILE 06

- 11x A514 Star Cluster
- 2x A851 Realistic stars
- 1x A154 Half moon
- 3x A833 Water 1
- 2x A958 Water 4
- 6x A99664 Reflected water 3

CLOUDS – FILE 07

- 8x A165 Clouds 7
- 8x A168 Clouds 10
- 1x A169 Clouds 11
- 1x A600 Alto Cumulus

FIRE AND ICE – FILE 08

- 1x A178 Lightning 1
- 1x A177 Lightning 2
- 1x A238-276 Lightning branch
- 2x A882 Shower
- 2x A176 Flames 2

- 2x A400 Sun

THE WORLD AROUND US – FILE 09

- 1x A309 Broadway 2

ABSTRACT – FILE 10

- 3x A238-283 Antique Rosette

TREES AND FLOWERS – FILE 11

- 5x A100 Tree 2
- 10x A238-235 Bare branches
- 3x A320 Tree 3
- 7x A110 Tree 6
- 3x A533 Floral 4
- 7x A115 Dense branches
- 2x A114 Tree 1
- 3x A404 Tree 4
- 1x A106 Bare branches 2
- 2x A107 Pine Branches
- 2x A238-278 Bare Branches (reversed)
- 2x A101 Tree 5
- 1x A126 Jungle leaves
- 1x A549 'Martin Guerre' Branches 1
- 3x A238-273 Flowers
- 9x A863 Branching leaves (positive)

**For further technical information please contact:
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