

# SHAKESPEARE IN LOVE

FOH: Yamaha DM2000 (Inputs)

Ch.	Label	Short Name	Local In	Source	Routing	Notes
1	Cece	Cece	XLR-1	Shure ULXP	Bus 1, Aux 11, Dir. Out Slot 5-1	Dir. Out to DM1K
2	Katelyn	Kate	XLR-2	Shure ULXP	Bus 1, Aux 11, Dir. Out Slot 5-2	Dir. Out to DM1K
3	Ruby	Ruby	XLR-3	Shure ULXP	Bus 1, Aux 11, Dir. Out Slot 5-3	Dir. Out to DM1K
4	Sam	Sam	XLR-4	Shure ULXP	Bus 1, Aux 11, Dir. Out Slot 5-4	Dir. Out to DM1K
5	Eli	Eli	XLR-5	Shure ULXP	Bus 1, Aux 11, Dir. Out Slot 5-5	Dir. Out to DM1K
6	Spare	SPR	XLR-6	Shure ULXP	Bus 1, Aux 11	
7	VOG 1	VOG1	XLR-7	Shure ULXP (HH)	Bus 5, Aux 3/4	
8	Announcement Mic	VOG2	XLR-8	Shure ULXP (HH)	Bus 1, Dir. Out Slot 5-6	Dir. Out to DM1K
9	Winds L	PrcL	Slot 5-1	iMac DVS-17	Stereo (L), Aux 1/3/12	Stems, Linked to 10
10	Winds R	PrcR	Slot 5-2	iMac DVS-18	Stereo (R), Aux 2/4/12	Stems, Linked to 9
11	Guitars L	GtrL	Slot 5-3	iMac DVS-19	Stereo (L), Aux 1/3/12	Stems, Linked to 12
12	Guitars R	GtrR	Slot 5-4	iMac DVS-20	Stereo (R), Aux 2/4/12	Stems, Linked to 11
13	Strings L	StrL	Slot 5-5	iMac DVS-21	Stereo (L), Aux 1/3/12	Stems, Linked to 14
14	Strings R	StrR	Slot 5-6	iMac DVS-22	Stereo (R), Aux 2/4/12	Stems, Linked to 13
15	Keys L	WndL	Slot 5-7	iMac DVS-23	Stereo (L), Aux 1/3/12	Stems, Linked to 16
16	Keys R	WndR	Slot 5-8	iMac DVS-24	Stereo (R), Aux 2/4/12	Stems, Linked to 15
17	Drums L	KeyL	Slot 5-9	iMac DVS-25	Stereo (L), Aux 1/3/12	Stems, Linked to 18
18	Drums R	KeyR	Slot 5-10	iMac DVS-26	Stereo (R), Aux 2/4/12	Stems, Linked to 17
19	Vox Stem L	VxSL	Slot 5-11	iMac DVS-27	Stereo (L), Aux 11	Stems, Linked to 20
20	Vox Stem R	VxSR	Slot 5-12	iMac DVS-28	Stereo (R), Aux 11	Stems, Linked to 19
21	Vox Verb Return L	VxVL		FX 1 Return (L)	Bus 3/7	Linked to 22
22	Vox Verb Return R	VxVR		FX 1 Return (R)	Bus 4/8	Linked to 21
23	Band Verb Return L	BdVL		FX 2 Return (L)	Bus 3/7	Linked to 24
24	Band Verb Return R	BdVR		FX 2 Return (R)	Bus 4/8	Linked to 23
25	QLab Left	QL	Slot 4-1	iMac DVS-1	Bus 3	
26	QLab Right	QR	Slot 4-2	iMac DVS-2	Bus 4	
27	QLab Center	QC	Slot 4-3	iMac DVS-3	Bus 5	
28	QLab Sub	QSub	Slot 4-4	iMac DVS-4	Bus 6	
29	QLab Surr Left	QSL	Slot 4-5	iMac DVS-5	Bus 7	
30	QLab Surr Right	QSR	Slot 4-6	iMac DVS-6	Bus 8	
31	QLab DSR	QDSR	Slot 4-7	iMac DVS-7	Aux 1	
32	QLab DSL	QDSL	Slot 4-8	iMac DVS-8	Aux 2	
33	QLab USR	QUSR	Slot 4-9	iMac DVS-9	Aux 3	
34	QLab USL	QUSL	Slot 4-10	iMac DVS-10	Aux 4	
35	QLab Aux 1	QAx1	Slot 4-12	iMac DVS-11	Aux 5	
36	QLab Aux 2	QAx2	Slot 4-13	iMac DVS-12	Aux 6	

# SHAKESPEARE IN LOVE

Ch.	Label	Short Name	Local In	Source	Routing	Notes
48	Measurement Mic 1	MM1	XLR-23	Earthworks M30	Direct Out (Slot 5-15)	
49	Measurement Mic 2	MM2	XLR-24	Earthworks M30	Direct Out (Slot 5-16)	
50	Measurement Return	MR	Slot 5-16	iMac DVS-32		Signal Generator

**NOTES:**

1. If the Local-In is specified, the Source specifies the digital patch or microphone that the signal is coming from.

# SHAKESPEARE IN LOVE

FOH: Yamaha DM2000 (Outputs)

Ch.	Label	Short Name	Local Out	Destination	Notes
<b>Bus 1</b>	Vox EQ Bus	VxEQ	-	Matrix 2, 3	Graphic EQ Inserted
<b>Bus 2</b>					
<b>Bus 3</b>	Left	Left		Matrix 1L	
<b>Bus 4</b>	Right	Rigt		Matrix 1R	
<b>Bus 5</b>	Center	Cent	-	Matrix 2	
<b>Bus 6</b>	Sub	Subs	Slot 4-4	Core A-4	
<b>Bus 7</b>	Surr L	SurL	Slot 4-5	Core A-5	
<b>Bus 8</b>	Surr R	SurR	Slot 4-6	Core A-6	
<b>Aux 1</b>	DSR	DSR	Slot 4-7	Core A-7	Fixed
<b>Aux 2</b>	DSL	DSL	Slot 4-8	Core A-8	Fixed
<b>Aux 3</b>	USR	USR	Slot 4-9	Core A-9	Fixed
<b>Aux 4</b>	USL	USL	Slot 4-10	Core A-10	Fixed
<b>Aux 5</b>	Playback Aux 1	Aux1	Slot 4-12	Core A-12	Fixed
<b>Aux 6</b>	Playback Aux 2	Aux2	Slot 4-13	Core A-13	Fixed
<b>Aux 7</b>					
<b>Aux 8</b>					
<b>Aux 9</b>					
<b>Aux 10</b>					
<b>Aux 11</b>	Vox Verb	VoxV		FX 1	Var, Hall Reverb, Return Ch. 21-22
<b>Aux 12</b>	Band Verb	BndV		FX 2	Var, Plate Reverb, Return Ch. 23-24
<b>Matrix 1</b>	Proscenium Mains	Main	Slot 4-1/2	Core A-1/2	
<b>Matrix 2</b>	Center	Cent	Slot 4-3	Core A-3	
<b>Matrix 3</b>	Front Fills	FF	Slot 4-11	Core A-11	
<b>Matrix 4</b>					
<b>Stereo (LR)</b>	Band/Trax	Band	Slot 5-7/8	Matrix 1/Stream DM1K	

**NOTES:**

1. If the Local-Out is specified, the Destination specifies the digital patch that the signal should be sent to.
2. If the Local-Out is *not* specified, the Destination specifies a bus or other channel on the console internally.
3. Stereo LR should be sent to both Matrix 1 inside the console, as well as Slot 5-7/8 to be sent to the stream console.

STREAM CONSOLE: Yamaha DM1000 (Inputs)

Ch.	Label	Short Name	Local In	Source	Routing	Notes
1	Soprano	Sop	Slot 1-1	DM2K Slot 5-1	STEREO, Bus 1	
2	Alto 1	Alt1	Slot 1-2	DM2K Slot 5-2	STEREO, Bus 1	
3	Alto 2	Alt2	Slot 1-3	DM2K Slot 5-3	STEREO, Bus 1	
4	Tenor	Tenr	Slot 1-4	DM2K Slot 5-4	STEREO, Bus 1	
5	Baritone	Bari	Slot 1-5	DM2K Slot 5-5	STEREO, Bus 1	
6	Annc. Mic	AncM	Slot 1-6	DM2K Slot 5-6	STEREO	
7	Stage L	StgL	XLR-1	Shure KSM141	STEREO (L)	
8	Stage R	StgR	XLR-2	Shure KSM141	STEREO (R)	
9	Band L	BndL	Slot 1-7	DM2K Slot 5-7	STEREO (L), Bus 1	
10	Band R	BndR	Slot 1-8	DM2K Slot 5-8	STEREO (R), Bus 1	
11	Verb L	VrbL		FX 1 Return (Bus 1)	STEREO (L)	
12	Verb R	VrbR		FX 1 Return (Bus 1)	STEREO (R)	
13	SFX L	QL	Slot 1-9	iMac DVS-15	STEREO (L)	
14	SFX R	QR	Slot 1-10	iMac DVS-16	STEREO (R)	
15	House L	HL	XLR-3	Shure SM81	STEREO (L)	
16	House R	HR	XLR-4	Shure SM81	STEREO (R)	

**NOTES:**

1. Production Sound Engineer should work with streaming crew to set up streaming console in Hansen booth.
2. Stream console will have a mixture of inputs from both local XLR's and Dante on Slot 1.
3. If the Local-In is specified, the Source specifies the digital patch or microphone that the signal is coming from.

# SHAKESPEARE IN LOVE

## DSP Routing, Amplifier, & Speaker Patches

Source	DSP IN	Label	Amp #	Amp Ch.	Patch Panel	Patch #	Speaker	Purpose	Notes
DM2K Slot 4-1	A-1	Main L	1	A/B			Renkus-Heinz PNX151-T9/A	Main Left	Bi-amped
DM2K Slot 4-2	A-2	Main R	1	C/D			Renkus-Heinz PNX151-T9/A	Main Right	Bi-amped
DM2K Slot 4-3	A-3	Center	1	E-H			Renkus-Heinz PNX151-T9/A (3)	Center Cluster	Split (in&out), Bi-amped
DM2K Slot 4-4	A-4	Subs	2	A-C			Renkus-Heinz PNX212-SUB (3)	Subs	L,R,C
DM2K Slot 4-5	A-5	Surround L	3	A	S2-3	F5	Renkus-Heinz PNX61	Surround Left A	
			3	B	S2-2	F3	Renkus-Heinz PNX61	Surround Left B	
			3	C	S2-11	G9	Renkus-Heinz PNX61	Surround Left C	
			3	D	S2-9	G5	Renkus-Heinz PNX61	Surround Left D	
			3	E	S2-17	H9	Renkus-Heinz PNX61	Surround Left E	
			3	F	S2-19	J1	Renkus-Heinz PNX61	Surround Left F	
DM2K Slot 4-6	A-6	Surround R	4	A	S2-6	F11	Renkus-Heinz PNX61	Surround Right A	
			4	B	S2-7	G2	Renkus-Heinz PNX61	Surround Right B	
			4	C	S2-14	H3	Renkus-Heinz PNX61	Surround Right C	
			4	D	S2-16	H7	Renkus-Heinz PNX61	Surround Right D	
			4	E	S2-22	J7	Renkus-Heinz PNX61	Surround Right E	
			4	F	S2-20	J3	Renkus-Heinz PNX61	Surround Right F	
DM2K Slot 4-7	A-7	DSR	5	A/B	S1-2	D3	Renkus-Heinz PNX121-T9/A	DSR	
DM2K Slot 4-8	A-8	DSL	5	C/D	S1-10	D6	Renkus-Heinz PNX121-T9/A	DSL	
DM2K Slot 4-9	A-9	USR	5	E/F	S1-3	C11	Renkus-Heinz PNX121-T9/A	USR	
DM2K Slot 4-10	A-10	USL	5	G/H	S1-9	C9	Renkus-Heinz PNX121-T9/A	USL	
DM2K Slot 4-11	A-11	Front-Fills	2	D	SL-1	E1	Renkus-Heinz TX61	FF Left	
			2	E	SL-3	E3	Renkus-Heinz TX61	FF Mid-Left	
			2	F	SL-4	E4	Renkus-Heinz TX61	FF Mid-Right	
			2	G	SL-6	E6	Renkus-Heinz TX61	FF Right	

**NOTE:** Production Sound Engineer / Sound crew responsible for identifying and recording patch panel ID's and patch #'s.





# SHAKESPEARE IN LOVE

## RF Allocation

RF#	Label	Performer Name	Element	Transmitter	Wireless System	Band	Frequency (MHz)	Hair Color	Element Color	Notes
1	Soprano	Cecelia Jaskell	Countryman B3	Shure ULX1	Shure ULXP4	J1		Red/Auburn	Tan	
2	Alto 1	Katelyn Martini	Countryman B3	Shure ULX1	Shure ULXP4	J1		Blonde	Tan	
3	Alto 2	Ruby Foster	Countryman B3	Shure ULX1	Shure ULXP4	J1		Black	Cocoa	
4	Tenor 1	Sam Cartwright	Countryman B3	Shure ULX1	Shure ULXP4	J1		Brown	Tan	
5	Tenor 2	Eli Hopkins	Countryman B3	Shure ULX1	Shure ULXP4	J1		Brown	Tan	
6	SPARE	SPARE		Shure ULX1	Shure ULXP4	J1		-	-	
7	Dir. VOG			Shure ULX Handheld	Shure ULXP4	J1				Kristine
8	VOG 2			Shure ULX Handheld	Shure ULXP4	J1				

### NOTES:

1. Production Sound Engineer is responsible for allocation of frequencies to all devices that use wireless radio technologies, using trusted software such as Shure Wireless Workbench 6, to verify that frequencies in use are in compliance with FCC regulations for Wireless Microphones.

## Mult-R

Ch.	Label	Source	Patch	Destination	Notes
1	Soprano	Shure ULXP4-1	[C202] M-B1	DM2K XLR-1	
2	Alto 1	Shure ULXP4-2	[C202] M-B2	DM2K XLR-2	
3	Alto 2	Shure ULXP4-3	[C202] M-B3	DM2K XLR-3	
4	Tenor 1	Shure ULXP4-4	[C202] M-B4	DM2K XLR-4	
5	Tenor 2	Shure ULXP4-5	[C202] M-B5	DM2K XLR-5	
6	SPARE	Shure ULXP4-6	[C202] M-B6	DM2K XLR-6	
7			[C202] M-B7		
8			[C202] M-B8		

### NOTES:

1. This mult will need to run through the house patching system, into the SVC room, then into the back of the DM2K Console at FOH. Production sound engineer is responsible for determining the path through this line, and recording the specific ports used

### Intercom Schedule (TECH/REHEARSALS)

Department	Position	Com Device	Station	Location	Com Channel	Notes	
<b>Director</b>	Director	Headset	Beltpack	House Center, Row D	A		
<b>Stage Management</b>	SM	Headset	Onstage Station	SM Tech Table	A		
	ASM 1	Headset	Wireless	Wireless			
	ASM 2	Headset	Wireless	Wireless			
<b>Fly Rail</b>	Fly 1	Headset	Wireless	Fly Rail			
	Fly 2	Headset	Wireless	Fly Rail			
<b>Backups</b>	ASM 1	Headset	Beltpack	DSR [C201]			
	ASM 2	Headset	Beltpack	DSL [C202]			
<b>Lighting/Electrics</b>	Designer	Telephone	Beltpack	Lx Tech Table		B	
	Board Op	Headset	Beltpack	Lx Tech Table			
	Mentor	Headset	Beltpack	Behind Lx Tech Table			
<b>Sound</b>	Designer	Telephone	Beltpack	Sx Tech Table	C		
	Asst. Designer	Headset	Beltpack	Sx Tech Table			
	A1	Telephone	Beltpack	FOH @ Mixing Desk			
	A2	Headset	Wireless	Wireless			
	Playback Op	Headset	Beltpack	FOH @ iMac			
	Mentor	Telephone	Beltpack	Behind Sx Tech Table			

### Intercom Schedule (RUN OF SHOW)

Department	Position	Headset	Station	Location	Com Channel	Notes	
<b>Stage Management</b>	SM	Headset	Onstage Station	Control Booth	A		
	ASM 1	Headset	Wireless	Wireless			
	ASM 2	Headset	Wireless	Wireless			
<b>Fly Rail</b>	Fly 1	Headset	Wireless	Fly Rail			
	Fly 2	Headset	Wireless	Fly Rail			
<b>Backups</b>	ASM 1	Headset	Beltpack	DSR [C201]			
	ASM 2	Headset	Beltpack	DSL [C202]			
<b>Lighting/Electrics</b>	Board Op	Headset	Beltpack	Control Booth		B	
<b>Sound</b>	A1	Telephone	Beltpack	FOH @ Mixing Desk		C	
	A2	Headset	Wireless	Wireless			
	Playback Op	Headset	Beltpack	FOH @ iMac			

**NOTES:**

1. PSE to determine patching, routing, and cable runs separately.
2. Please receive approval from Theatre Sound Systems Manager to pull intercom equipment from other theatre, if needed.

## **General Information**

This specification covers the specific audio, video and communication equipment rental need for specified show, and will be used from the specified start-date to the specified end-date.

Sound Supplier is responsible for furnishing all materials and assembly labor necessary to ensure complete, high performance sound and communication systems in excellent working order as specified by the Sound Designer.

Sound Supplier is responsible for furnishing any additional and apparent items not specifically mentioned herein, necessary to meet system requirements as specified, without claim for additional rental payment; it being understood that such additional items do not exceed \$25,000 in total value, nor shall any individual item exceed \$5,000 in value. Such items may include but are not limited to hardware, transformers, adapters, stands, cable, processing devices and other such equipment for proper installation, interface, isolation, or gain structure.

Sound Supplier is responsible for furnishing all material, including additional and apparent items, for the entirety of the show's specified start-dates and end-dates.

Drawings pertaining to this specification shall be considered as part of said specifications and shall be a part of the bidding documents.

Specification schematic drawings are detailed only to the extent necessary to show design intent and signal flow. It is understood and agreed by the Sound Supplier that the work herein described shall be complete in every detail even though every item necessarily involved is not specifically mentioned.

Bidders should examine all drawings and read all noted specifications in order to avoid omissions, duplications, and to ensure a complete job. Discrepancies between drawings and specifications or obvious omissions shall be referred to the Sound Designer for clarification before the bidding. Where discrepancies occur and pre-bid instructions have not been obtained, the contractor agrees to abide by the Sound Designer's decision.

Sound Supplier shall provide system documentation including copies of all relevant drawings, specification sheets, and equipment manuals.

## **Important Dates:**

**Load-In:** March 25, 2023

**Preview:** April 13, 2023

**Calibration:** March 30, 2023

**Opening:** April 14, 2023

**Level-Set:** April 1, 2023

**Closing:** April 22, 2023

**8/10 Tech:** April 8, 2023

**Strike:** April 22, 2023

**Mic Tech:** TBD

**Equipment Return Date:** April 24, 2023

## **Review and Approval of Sound Designer**

All information found on this sound supply order has been reviewed and approved by Sound Designer. Any changes made to order will be promptly updated, as per need and request, and shall not change without approval from Sound Designer (signed and dated).

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

### Mixing Consoles/Digital Processing Equipment

QTY	Make	Model	Descript.
1	Yamaha	DM2000	FOH
1	Yamaha	DM1000	Stream
1	QSC	Q-SYS Core 510i	Digital signal processor (equipped with 2 Dante 32x32 cards)

### Computers/Networking

QTY	Make	Model	Descript.
1	Apple	iMac Pro 27"	Playback Computer FOH
1	HP	Desktop	QSYS Designer
1	Cisco	SG-300	Gigabit Switch (SVC Room)
1	Netgear		8-port Gigabit Switch (tech table)

### Loudspeakers

QTY	Make	Model	Descript.
16	Renkus-Heinz	PNX61	Surrounds & Overheads
4	Renkus-Heinz	TX61	Front-Fills
5	Renkus-Heinz	PNX151T/9A	Mains & Center Cluster
4	Renkus-Heinz	PNX121T/9A	Stage speakers
3	Renkus-Heinz	PNX212-SUB	Subwoofers LCR

### Amplifiers

QTY	Make	Model	Descript.
1	QSC	CXD-8.8Q	
2	QSC	CXD-8.8QN	
2	QSC	CXD-8.4QN	

### Microphones/Wireless/Stands

QTY	Make	Model	Descript.
6	Shure	ULX1	Transmitter packs

QTY	Make	Model	Descript.
6	Shure	ULXP4	Receiver rack units
6	Countryman	B3 (Tan)	
2	Countryman	B3 (Cocoa)	
2	Shure	SM81	House Mics
2	Shure	KSM141	Stage Mics
2	Shure	UA844	Antenna distributors
2	Shure	UA870WB	Directional Antennas

### Rigging Materials

QTY	Make	Model	Descript.
4	-	-	PNX121T/9A C-clamp arms

### Perishables/Consumables

QTY	Make	Model	Descript.
8	iPower Plus	9V	Rechargeable batteries
100	-	-	Sweat Protectors

### Mults/Snakes/Stage-Boxes

QTY	Length (feet)	Type	Notes
1	20	XLRF Box – SOCCO W5	
1	10	XLR Fan–Fan	

### Cabling/Connections

QTY	Length (feet)	Type	Notes
2	100	SO-236	Antenna cables
4	50-100	NL4	Onstage speakers
8	25	XLR	Stream console

QTY	Length (feet)	Type	Notes
1	6	XLR	Director's VOG
2	25	Cat5e/Cat6	Stream console (digital)
2	10	Cat5e/Cat6	Tech table control
		<b>Misc.</b>	
QTY	Make	Model	Descript.

**NOTES:**

1. PSE to specify intercommunications equipment needs separately. Please see INTERCOM SCHEDULE.
2. Updated count for sweat protectors & batteries.