



**AUDIO INVENTORY**

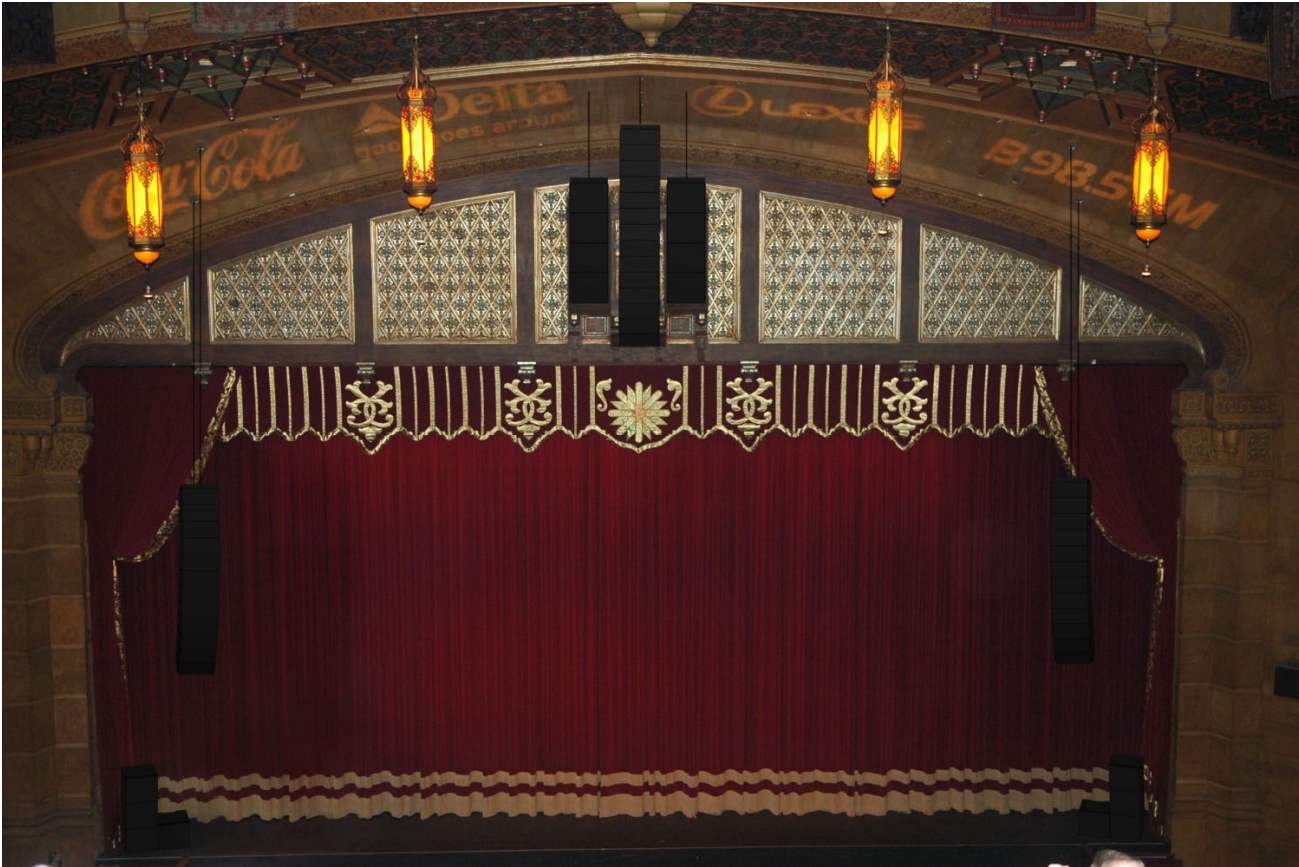
SOUND SYSTEM INVENTORY		
QUANTITY	MAKE AND MODEL	USE
34	D&B V8 Speakers	Mid-High – L/R and Center Arrays
4	D&B V12 Speakers	Mid-High – L/R and Center Arrays
		*both L/R and Center Arrays hang via (2) 1T motors (per hang) and are located 3'8" downstage of the stage edge
8	D&B V-Sub Speakers	Center Array – (4) speakers hang via (1) 1T motor per side of the Center Mid-High Array
8	D&B V-Sub Speakers	Floor supported in L/R stage configuration
4	D&B Y10P Speakers	<i>Available</i> as Front Fill Speakers Positioned evenly across the DS edge of stage
2	D&B V7P Speakers	Outer Fill Speakers
10	D&B Yi7P Speakers	Under Balcony Delay Speakers 2 delay rings of 5 speakers for each ring
4	D&B Yi7P Speakers	Balcony Edge Fill Speakers 2 per side located at the front of balcony seating
4	D&B M4	<i>Available</i> as Stage Foldback System
4	Meyer UPA 2P's	<i>Available</i> as stage monitor wedges
	D&B 30D Amplification	Center, L/R Arrays, Under Balcony Delays, Front Fills, Outer Fills, and Balcony Edge Fills will all be adequately powered
	D&B 80D Amplification	D&B Subwoofers will be adequately powered
1	Motion Labs Install Series	8 Motor Control System for Center and L/R
1	Auvitran ToolBox Roadshow input	8 Analog &/or 8AES3 &/or 64 MADI to Dante
1	Microsoft Surface Pro4 i7 Processor	D&B R-1 platform – Amplification Auvitran AVS monitoring software Dante Network Controller Software
1	Whrilwind Presspower2 / 2in 16out Active Microphone Press Box	2-in/16-out pressbox with transformer isolated outputs and phantom power

The sound system can be fed using any combination of 8 Analog Audio, 8 AES-3 Digital Audio, or 64 MADI Channels.

There are 7 locations available for clients to interface into the Audio/Video system. (Of the 7 locations listed, 6 of those have Single-Mode Optical Fiber access):

- Lower Audience Mix (Rock and Roll Mix), Upper Audience Mix (Broadway Mix), Downstage Left, Downstage Right, Upstage Left, Upstage Center, and Upstage Right

**D&B ROCK & ROLL CONFIGURATION**



**Left/Right Arrays (Each Side)**

11 D&B Audiotechnik V8 Tops  
 1 D&B Audiotechnik V12 Tops

**Center Array**

12 D&B Audiotechnik V8 Tops  
 2 D&B Audiotechnik V12 Tops

**Center Flown Subwoofers**

8 D&B Audiotechnik V-Subs

**Left/Right Groundstacked Subwoofers (Each Side)**

4 D&B Audiotechnik V-Subs (8 Total)

**Front Fill**

4 D&B Audiotechnik Y10P

**Orchestra Level Widefills**

2 D&B Audiotechnik Y10P

**Under Balcony**

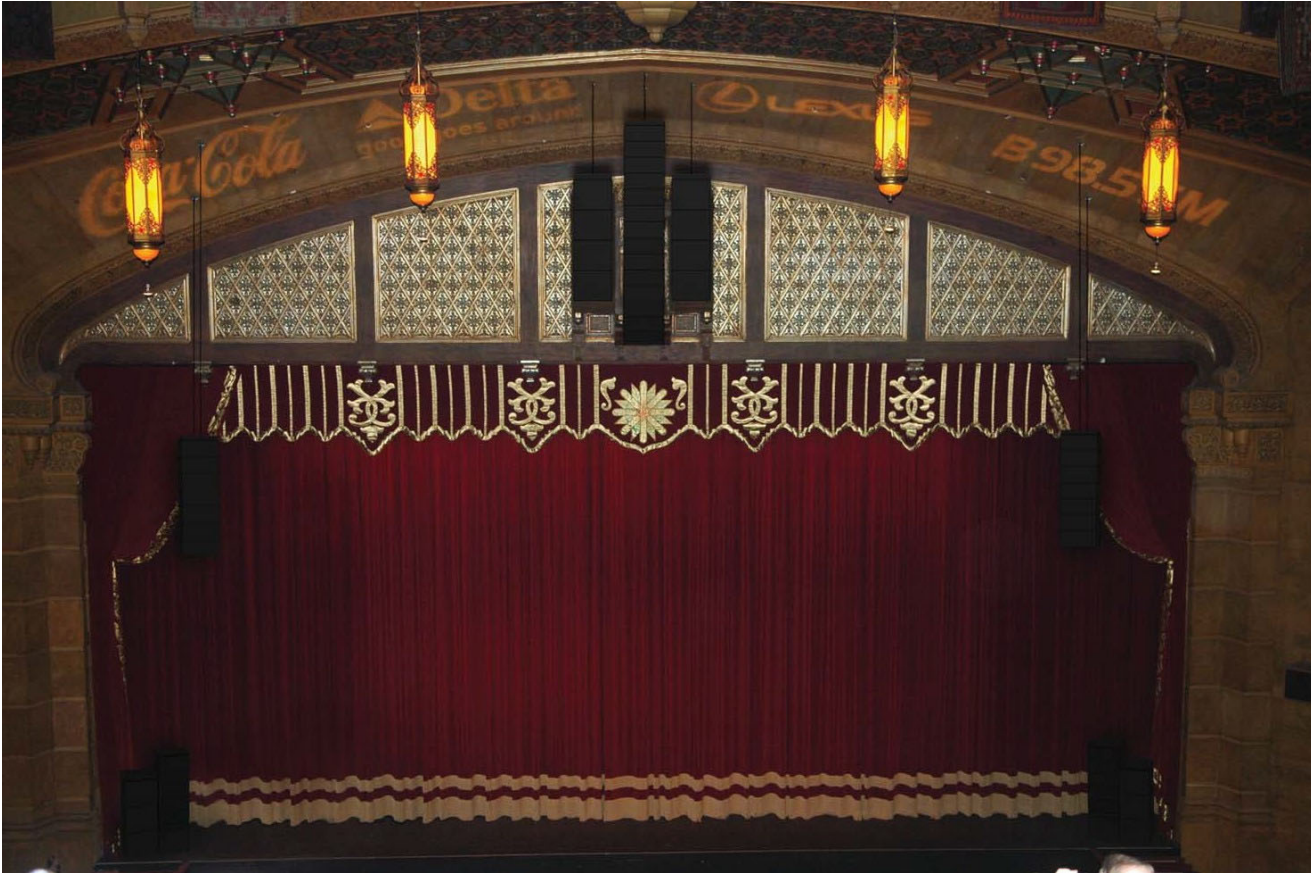
Ring 1: 5 D&B Audiotechnik Y7P

**Balcony Level Widefills**

4 D&B Audiotechnik Y7P

**\*\*Please contact Fox's Production Office for further assistance and details\*\***

## D&B SPLIT CONFIGURATION



### Left/Right Flown Balcony Arrays (Each Side)

7 D&B Audiotechnik V8 Tops

### Center Array

12 D&B Audiotechnik V8 Tops  
2 D&B Audiotechnik V12 Tops

### Left/Right Groundstack Carts (Each Side)

4 D&B Audiotechnik V8 Tops  
1 D&B Audiotechnik V12 Tops

### Center Flown Subwoofers

8 D&B Audiotechnik V-Subs

### Left/Right Groundstack Subwoofers (Each Side)

4 D&B Audiotechnik V-Subs (8 Total)

### Front Fill

4 D&B Audiotechnik Y10P

### Orchestra Level Widefills

2 D&B Audiotechnik V7P

### Under Balcony Fills

Ring 1: 5 D&B Audiotechnik Y7P

Ring 2: 5 D&B Audiotechnik Y7P

### Balcony Level Widefills

4 D&B Audiotechnik



**FOH SOUND AND COMM INVENTORY**

FOH SOUND INVENTORY		
QUANTITY	MAKE AND MODEL	USE AND LOCATION
1	Yamaha PM-7 –RIVAGE	Main Console – FOH Booth <b>SOUND CONSOLE IS A PERMANENT INSTALL IN AN OPEN BOOTH LOCATED AT THE REAR OF THE ORCHESTRA</b>
1	Denon DN-F650R Hard Disc Player	FOH booth
1	Denon DN-D4500, Dual CD & MP3 Player	

FREE SPEAK II		
QUANTITY	MAKE AND MODEL	USE
10	Free Speak II-BP-19	1.9Ghz
<b>*Our Free Speak 2 has a capacity of 25 belt packs* We own 10 belt packs &amp; 8 Antennas</b>		

CLEAR COMM		
QUANTITY	MAKE AND MODEL	USE AND LOCATION
1	Clear Com MS704	4 Channel base Station
1	Clear Com RS702	2 Channel Remote
7	Clear Com RS601	Body Packs
9	Clear Com RS602	Body Packs
5	Clear Com RS501	Body Packs
4	Clear Com RS502	Body Packs
4	Clear Com HS-6	Telephone hand set
16	Clear Com C-C95	Single muff head sets
13	Clear Com CC-260	Double muff head sets
6	Clear Com KB-702GM	2 channel biscuits

**ADDITIONAL ITEMS**

QUANTITY	MAKE AND MODEL	USE AND LOCATION
2	Galaxy PA5XD	Powered Hot Spot

## FOH SOUND CONSOLE BUNKER



**FOX FOH SOUND -CONSOLE IS PERMANENTLY INSTALLED**



**STAGE VIEW FROM FOH SOUND BUNKER**



**MICROPHONE INVENTORY**

QUANTITY	MAKE AND MODEL	NOTES
1	Audio Technica 4033	
4	AKG 414	3 – B-UL, 1 – B-XLII
1	Barcus Berry 4000 Pick Up	
4	Crown PCC 160	
1	EV RE 20	
2	Realistic PZM	
6	Sennheiser 421-u	
8	Shure SM - 58	
19	Shure SM-57	
1	Shure Beta 57	
3	Shure SM-58 Switched	
	6 channels of UR4 wireless	6 – UR1 body transmitters 6 UR2 hand held with 6 beta 87A and /or 5 SM 58 capsules
6	Countryman Isomax E6	Omni Lavalier
1	AKG C1000S	
1-pair	AKG C451B	Matched set
2	Audio Technica 8533	Hanging Microphone
2	Shure SM 81	
2	Behringer ECM 8000	
6	Whirlwind DI	Passive DI
6	Countryman Type 85 DI	Active DI
1	A.E.S MC 220 DI	Active DI
1	Whirlwind IMP Microphone Combiner	2 X 1 Passive
1	Sennheiser E614 condenser microphones	
2	Shure Beta 87A vocal microphones	
6	Audio-Technical Pro 45 Hanging choir microphones	
3	Whirlwind PCDI interface box	
2	Sennheiser KG/ME 66	Shot Gun Mics
31	Microphone Stands	31 total / 11 Boom Stands



**INTERIOR AUDIO DISTANCES**

BACK OF HOUSE: LIGHTING AND AUDIO POSITION (136' from edge of stage, 12' x 20')  
 BROADWAY MIX POSITION: AUDIO ONLY (124'3" from edge of stage, 8'5 3/4" x 14')  
 CENTER HOUSE MIX POSITION: CONCERTS ONLY (77'10" from edge of stage, 25' wide max 9' 6" deep)  
 OUT TRIM OF THE CENTER CLUSTER: Stage to the bottom 37'6"

FROM	TO	FEET	METERS	MILLISECONDS	DEGREES	Electronic Delay
Cluster	Underbalc Center			51.27		61.27 ms
Cluster	Underbalc Outer			54.08		64.08 ms
Cluster	Front Row Orchestra	42' 7.5"			168	
Cluster	Balcony Rail	54'6"			140	
Cluster	First Dress Row A	78'10"				
Cluster	Second Dress, Row M	116'				
Cluster	Gallery, Row T	136'				
Cluster	Inside Surface of Altecs					
Cluster	Point of Bridge Cluster					
Downstage Corner of Proscenium	Underside of Cluster	53'9"				
Center Downstage	Underside of Cluster	36'7"				
Center Downstage	Balcony Rail	59'8"	18.18	53.25		
Center Downstage	Orchestra Pit Wall	19'2"	5.84	17.14		
Center Downstage	First Row, Orchestra	23'6"	7.16	21		
Center Downstage	Rock-& Roll Mix Position	77'10"	23.72	69.53		
Center Downstage	Rear of House Mix Wall	134'1"	40.87	119.65		
Center Downstage	Rear of House Position	139'6"	42.52	124.68		
Center Downstage	Jackfield of PM-4000	137'2"	41.81	122.59		
Center Downstage	Center of Altecs	48'1"	14.66	42.92		
Center Downstage	Point of Bridge Cluster	61'10"	18.85	55.24		
Center Downstage	Underbalc Center					
Center Downstage	Underbalc Outer					
Balcony Rail	Gallery, Row T	91'10"	27.9	82.07		
Movie Center Mid/High	Underbalc Center					
Movie Center Mid/High	Underbalc Outer					



## FOX THEATRE SURROUND SOUND SPEAKER SYSTEM

26 evenly-spaced speakers around the periphery of the auditorium  
14 Orchestra level  
12 balcony level

Drivers and 70V transformers upgraded spring of 2013.  
New speakers are Great Plains Audio 212-8A, 2-way coaxial with internal passive crossover.  
12" low frequency woofer, aluminum-alloy high frequency diaphragm loaded by a 90° exponential horn.

Power rated at 300 watts continuous band limited (40 Hz – 16 kHz)

Driven by 8 channels of Crown ComTech 1610 amplification, 70V distributed.

Each cabinet has an Altec/ElectroVoice 75-watt 70 V transformer.

Speakers paralleled into 4 separate zones:

House Left (side) – upper and lower  
House Left (rear) – upper and lower  
House Right (rear) – upper and lower  
House Right (side) – upper and lower

Each zone is separately capable of 85db pink noise level, no clipping, at center of auditorium.

Must send 4 separate line-level signals to Fox in-house mixing board to address all zones.