## 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 | *Available* 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 | *Available* as Stage Foldback System |
| 4 | Meyer UPA 2P's | Available 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

**Left/Right Groundstacked Subwoofers (Each Side)**
4 D&B Audiotechnik V-Subs (8 Total)

**Center Array**
12 D&B Audiotechnik V8 Tops
2 D&B Audiotechnik V12 Tops

**Front Fill**
4 D&B Audiotechnik Y10P

**Under Balcony**
Ring 1: 5 D&B Audiotechnik Y7P

**Center Flown Subwoofers**
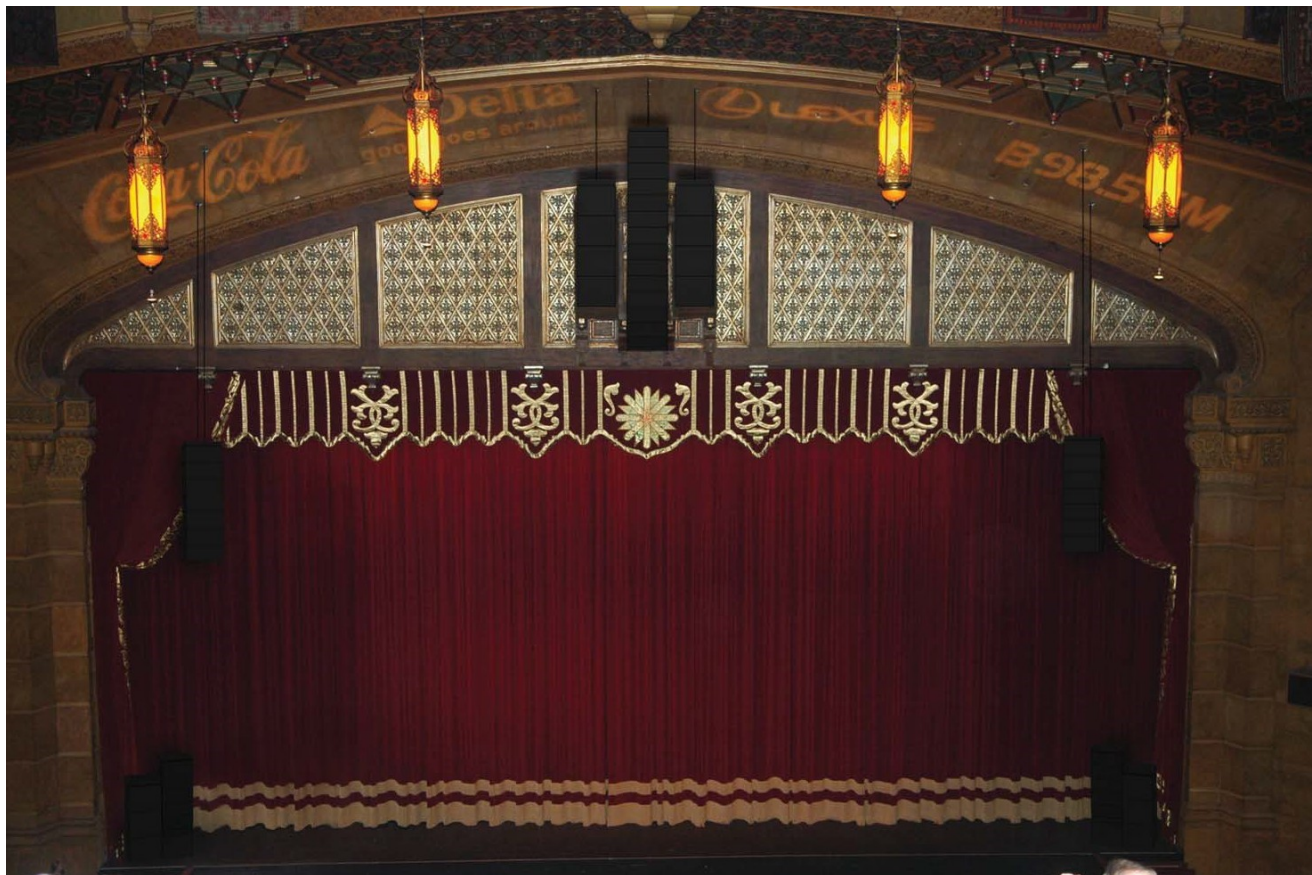8 D&B Audiotechnik V-Subs

**Orchestra Level Widefills**
2 D&B Audiotechnik Y10P

**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 Flowen 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<br>**SOUND CONSOLE IS A PERMANENT INSTALL IN AN OPEN BOOTH LOCATED AT THE REAR OF THE ORCHESTRA** |
| 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 |
| **\*Our Free Speak 2 has a capacity of 25 belt packs\* We own 10 belt packs & 8 Antennas** | | |

| 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 |

## 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 Lavaliere |
| 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 ¾" 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.