

## **Knox County Veterans Memorial Theatre Mount Vernon, Ohio**

The Knox Memorial Theatre has undergone a major technical renovation in 2019. The renovation included moving the Front of House position to the main floor, new rigging, drapes, lighting, video and sound system. The new systems are as follows:

### **Audio System:**

The main speaker system is a three-way system with two main line arrays, a front fill, under balcony speakers, front fill speakers and sub woofers. The main console is a Yamaha CL5 console configured with 56 input channels (including the wireless microphones) and can be configured with up to 72 channels. Each channel on the console has two channels of processing and there are up to eight stereo channels of on board effects. Two channel recording to a USB memory stick is possible. There is a Yamaha CL3 console that can be used for on stage monitor console. There are eight Meyer MJF 210 speaker wedges for on stage monitoring. Onstage microphone patching is made at patch boxes: one Down Stage Left, one Up Stage Left, one Down Stage Right and one patch box in the Orchestra Pit. Each patch box has connections for microphones, monitors tie lines and Intercom. The main patch point is at the Stage Manager Rack stage right. There is an ADA eight unit assisted listening system for the hearing impaired. The Audio Video system has an Automated mode to operate two wireless microphones, DVD and Computer input without requiring use of the main audio console. In the Auto mode the system is controlled by means of a Crestron touchscreen.

### **Main System** (All speakers are self powered)

- 12 Meyer Lina Line Array speaker cabinets
- 6 Meyer 750-LFC Sub Woofers
- 1 Meyer UPQ Center fill speaker
- 4 Meyer UPM-1P Front fill speakers
- 4 Meyer UPJ-1P Under balcony speakers
- 2 Galaxy 8X 16 audio processors
- 8 Meyer MJF 210 floor monitors
- 1 Yamaha CL5 Digital audio console
- 1 Yamaha CL3 Digital audio console
- 1 Yamaha RIO 3224 Digital Remote Input/ Output unit
- 1 Yamaha RI8 Digital Remote Input Unit
- 1 Biamp TesiraFORTE DSP for Auto System Operation with DANTE
- 1 Crestron TSW1060 Touch Screen for Auto System Control
- 1 Cisco SG350X 24 Port 3 Layer Switch

### **Wireless Microphones**

- 4 Shure ULXD4Q 4 channel Digital Wireless Receivers (Total of 16 Channels)
- 2 Shure ULXD2/KSM9 Transmitters (with Shure SB900A Rechargeable Batteries)
- 8 Shure ULXD2/B87 Beta 87 Transmitters (with Shure SB900A Rechargeable Batteries)
- 16 Shure ULXD1 Digital Wireless Body Pack Transmitters
- 8 Countryman E6 microphones for wireless transmitters
- 8 Countryman E2 microphones for wireless transmitters
- 4 Countryman I2 instrument microphones for wireless transmitters

### **Wired Microphones**

- 4 Shure Beta 87C Microphones
- 6 Beta 57A Microphones
- 6 Beta 58A Microphones

- 4 MX418C Microphones
- 4 Audio Technica AT4050 Side Address Microphones
- 8 Audio Technica U853W Miniature Cardoid condenser hanging Microphones
- 6 Radial ProD1 Direct Box Passive
- 8 Radial ProD2 2 Channel Direct Box Passive
- 4 Radial J48 Active Direct Box

### **Microphone Stands**

- 8 Atlas MS-12CE Stands
- 8 Atlas TB3664 Tripod and Boom stands
- 4 Atlas TB19340 Tripod & Boom stands
- 4 Atlas MAC-1 MIC stand clamp

### **Intercom**

- 1 Clearcom MS704 Main station 4 channel
- 1 Clearcom KB-702GM Gooseneck microphone for main station
- 7 Clearcom RS-702 Dual listen monaural beltpack
- 5 Clearcom CC400-X4 Double Muff Headset
- 3 Clearcom CC300-X\$ Single Muff Headset
- 4 Clearcom YC-36 Two Channel beltpack adaptor
- 1 Clearcom FSII-BASE-II FreeSpeak Wireless Base Station
- 4 Clearcom FSII-BP19-X4 FreeSpeak Wireless Beltpack
- 1 Clearcom FSII-TCVR-19 Freespeak Active Transceiver Powered

### **Assisted Listening System**

- 1 Listen Technologies LT-800-072 ERF Transmitter Base Station
- 8 Listen Technologies LR-300-072 Portable Digital RF Receiver
- 8 Listen Technologies Ear Speakers
- 4 Listen Technologies Neck Loops

### **Video Projection System**

The video projection system has playback capability for Bluray, DVD and computer inputs. Crestron touchscreen control is available for both video and automatic audio control as needed. There are computer Inputs on Stage Right and at FOH with Crestron Control

- 1 Dalite Lace & Grommet Screen 160" X 284"
- 1 Panasonic PT-RZ12KU Projector with ETD75LE20 Lens

### **Lighting System**

The Lighting system utilizes all LED theatrical fixtures. The fixtures are capable being programmed for multiple colors. The ETC ION XE20dwConsole is capable of multiple universes and cues. Simple scenes of lighting and house lights can be recalled from a touchscreen at the stage manager position.

- 2 Canto Astro 500 Followspots
  - 1 ETC ION XE20 Control Console with 12,288 Outputs/ Parameter
- 20 ETC D60 Lustr Wash fixtures
- 53 ETC Source 4 LED Light engines with a selection of Lens tubes that includes:
  - 15 Source4 15-30 Degree Zoom Lens tube
  - 26 Source4 25-50 Degree Zoom lens tube
  - 6 Source4 5° Lens tube
  - 10 Source4 10° Lens tube
  - 4 Source4 14°
- 6 AC Lighting Colorforce 72 border lights.

## Rigging and Drapes

The Memorial has twenty-four line sets including the main drape. The main drape, the four electrics and the two traveller tracks are motorized utilizing ETC EXO900 systems.

There are six motorized pipes utilizing ETC FlyPipe systems (weight capacity of 350#) and the rest of the pipes are on a re-rigged hemp systems. Attached is a preliminary chart of the line sets and their positions.

*(It's not totally correct, we have swapped the position of line set 2 & 3 to be more functional.)*

- EQUIPMENT SCHEDULE -				
ITEM	TYPE		DISTANCE FROM PROSCENIUM	NOTES
00	GRAND BORDER	FIXED	-0'-6"	FIXED
0	FIRE CURTAIN	EXISTING	2 1/2"	EXISTING
1	GRAND DRAPE	PRODIGY EXO900	1'-0"	PIPE BATTEN 1 1/2" Sch. 40 x 36'-0" Lg. TRAVELER #68 TRACK DRAPER 16'6" X 19'6" WIDE
2	No. 1 ELECTRIC	PRODIGY EXO900	2'-4"	PIPE BATTEN 1 1/2" Sch. 40 x 36'-0" Lg.
3	SCENERY BATTEN	HEMP	3'-4"	PIPE BATTEN 1 1/2" Sch. 40 x 36'-0" Lg.
4	No. 1 LEG	HEMP	4'-4"	PIPE BATTEN 1 1/2" Sch. 40 x 36'-0" Lg. LEGS 18' X 5' WIDE
5	PICTURE SCREEN	FLY PIPE	5'-4"	ETC. FLY PIPE x 36'-0" Lg.
6	No. 2 BORDER	HEMP	6'-4"	PIPE BATTEN 1 1/2" Sch. 40 x 36'-0" Lg. BORDER 5' X 36'WIDE
7	No. 2 LEG	HEMP	7'-4"	PIPE BATTEN 1 1/2" Sch. 40 x 36'-0" Lg. LEGS 18' X 5' WIDE
8	No. 2 ELECTRIC	PRODIGY EXO900	8'-4"	PIPE BATTEN 1 1/2" Sch. 40 x 36'-0" Lg.
9	SCENERY BATTEN	FLY PIPE	9'-4"	ETC. FLY PIPE x 36'-0" Lg.
10	SCENERY BATTEN	FLY PIPE	10'-4"	ETC. FLY PIPE x 36'-0" Lg.
11	MID STAGE TRAVELLER	PRODIGY EXO900	11'-4"	PIPE BATTEN 1 1/2" Sch. 40 x 36'-0" Lg. TRAVELER #68 TRACK DRAPER 16'6" X 19'6" WIDE
12	SCENERY BATTEN	FLY PIPE	12'-4"	ETC. FLY PIPE x 36'-0" Lg.
13	No. 3 BORDER	HEMP	13'-4"	PIPE BATTEN 1 1/2" Sch. 40 x 36'-0" Lg. BORDER 5' X 36'WIDE
14	No. 3 LEG	HEMP	14'-4"	PIPE BATTEN 1 1/2" Sch. 40 x 36'-0" Lg. LEGS 18' X 5' WIDE
15	No. 3 ELECTRIC	PRODIGY EXO900	15'-4"	PIPE BATTEN 1 1/2" Sch. 40 x 36'-0" Lg.
16	SCENERY BATTEN	HEMP	16'-4"	PIPE BATTEN 1 1/2" Sch. 40 x 36'-0" Lg.
17	SCENERY BATTEN	FLY PIPE	17'-4"	ETC. FLY PIPE x 36'-0" Lg.
18	No. 3 BORDER	HEMP	18'-4"	PIPE BATTEN 1 1/2" Sch. 40 x 36'-0" Lg. BORDER 5' X 36'WIDE
19	STAGE TRAVELLER	PRODIGY EXO900	19'-4"	PIPE BATTEN 1 1/2" Sch. 40 x 36'-0" Lg. TRAVELER #68 TRACK DRAPER 16'6" X 19'6" WIDE
20	SCENERY BATTEN	FLY PIPE	20'-4"	ETC. FLY PIPE x 36'-0" Lg.
21	No. 4 ELECTRIC	PRODIGY EXO900	21'-4"	PIPE BATTEN 1 1/2" Sch. 40 x 36'-0" Lg.
22	SCRIM	HEMP	22'-4"	PIPE BATTEN 1 1/2" Sch. 40 x 36'-0" Lg.
23	CYCLORAMA	HEMP	23'-4"	PIPE BATTEN 1 1/2" Sch. 40 x 36'-0" Lg. CYC 17' X 36'WIDE

## Piano

The Knox Memorial Theatre has a 1957 nine foot Steinway Model D concert grand piano