

THE TRIPLE DOOR AUDIO/VISUAL SPECIFICATIONS

Front of House Console:

Yamaha Rivage PM5 Digital Mixing System including:

- DSP-RX-EX engine providing up to 120 inputs, 48 mix buses, 24 matrices and 24 DCAs
- CS5 digital mixing control surface with 3 15" capacitive touch screens and 38 faders
- 64 microphone inputs
- 32 line level outputs
- 144x144 digital outputs/inputs to a Dante Network, distributed to several places around the building through our custom Ethernet Cat6/Cat7 patch network
- 24 copper tie lines between the mix position and stage and CAT7 routing around the theater Musicquarium and VIP Suites. Virtually any input/output scenario imaginable can be accommodated



Input channel processing: 4-band parametric EQ with variable HPF, noise gate, compressor/limiter, 8 insert slots and delay

Output channel processing: 6-band parametric EQ, compressor/limiter, delay

Internal DSP: Very powerful, dynamically dedicated to bus send and insert effects system that include Emulations of Rupert Neve Device from the Portico line and vintage selections, Eventide devices ported from the original code directly from Eventide, Rev-X Reverbs, tap delay, vintage-style compressors and tape deck simulations of names like UA 1176, LA2A, LA3A, Studer, and Sony/MCI

Outboard DSP: Waves Extreme Digigrid System, to provide hundreds of Waves plugin effects via an outboard, network attached server with a Waves Digigrid card native in console mix engine.

Monitor Mixes:

All input channels split to 2 layers of discrete channels so monitors have EQ and dynamics and complete control independent of the FOH mix

Front of House Amplifiers:

6 Crown I Tech 4x3500 amplifiers

Front of House Speaker System:

- 8 x JBL Vertec 4888 Line-Array Full-Range Loudspeakers with JBL V5 tuning, provided by crown internal DSP and controlled by a JBL Performance Manager
- 4 x JBL CS4464 Custom Shop Cinema Series Dual 18" Sub-woofers complimented by Crown DSP and Performance manager as well
- 7 x JBL UCF2521 Custom Shop Front-Fill Full-Range Loudspeakers (stage lip), 2 x JBL Control25av Front-Fill Full-Range Loudspeakers (proscenium wall)
- 4 x JBL CMS28 Custom Shop Full-Range Loudspeakers (delayed fills) processed by BSS Blu160 London SoundWeb Network DSP

Monitor System:

- 9 x JBL TTM129 Bi-Amplified Loudspeakers with a 12" woofer and 2" driver
- 1 x JBL Self-Powered 18" Subwoofer
- 5 x Crown DriveCore DCi4|1250N Network-Controlled Amplifiers



Mic Split and Distribution:

Custom Whirlwind Medusa 3-way isolated split with outputs and full fanouts for 56 channels from 4 input boxes of 12 channels each, evenly placed around the stage and 8 inputs in the racks for patching our house wireless systems and access to the FOH and stage tielines (see next)

Another Whirlwind Medusa sub snake box with XLR outputs for tying in outbound signals to stage such as active speakers or artist IEMs that need to live onstage.

Recording System:

Nuendo Live and Adobe Audition CC access the Dante network with a Focusrite RedNet PCIeNX 128/128 interface and another PC with Dante Virtual Soundcard 64z64 software

With a robust Dante network infrastructure, we can also accommodate guest Dante gear, for playback or recording. This system also provides a well implemented Virtual soundcheck capability, seamlessly switchable between Live inputs and playback.

****Multitrack recording services are available at an extra charge of \$300 per show. Please bring a portable hard drive with the capacity to hold the entirety of your recorded tracks at a resolution of 24 bit 96k uncompressed. We can upload to the cloud and email you a link to download them from later but this is a longer download as these are large files****

Live recording services are extended with built in stereo room mics (Shure VP88). Extra mic channels as necessary, make sure every nuance of sound is recorded accurately and with high end mics. We'll plan and work out the logistics of delivering a recording that is the best it can be with respect to monitor placement and alternative use of your IEMs to keep the recording as clean and free of monitor bleed as possible. Dual redundant recording systems ensure a high success rate of recording even in adverse technical conditions.

A Stereo recording from the console that includes the room mics can easily be made for \$20 per show per band/artist. Please arrange for these services in advance with Scott and Curt so we can provide you with the absolute best recording of your show with the least amount of unwarranted stress.

Microphones:

Vocal: (6) Sennheiser e935, (6) Sennheiser e835, (1) Sennheiser e965, (1) Sennheiser e901, (2) Sennheiser e902, (4) Sennheiser e904, (2) Sennheiser e905, (4) Sennheiser e906, (2) Sennheiser e914, (5) Sennheiser e614, (1) Sennheiser e602, (6) Sennheiser e604, (2) Sennheiser e609, (2) Audio-Technica AT3035, (3) Audio-Technica ATM350 clip-on condensers, (1) Electro-Voice N/D 868, (3) Shure SM57, (1) Shure Beta 91, (1) Shure VP-88

Direct (DI Boxes): (4) Countryman Type 85 Active, (2) Radial Pro-DI 2 Dual Passive, (2) Schertler piano soundboard pickups
Wireless: (3) Sennheiser ew500 G3 receivers, (3) Sennheiser SKM500-935 Handheld transmitters, (2) Sennheiser SK500 Bodypack transmitters, (2) Sennheiser MKE-2 lavalier microphone

Visual System:

Rental Projector available upon request in advance.
4:3 aspect ratio
1 x 16' – 12' Front Projection Screen (installed center stage just upstage of curtain)

Suite Sound Systems:

Individual JBL SMS1 Sound Zone Music System installed in each of the four suites with individual volume control. Each Suite is individually tuned, processed by BSS London SoundWeb Blu160 systems and digitally distributed with Blu Link network audio over IP. Each suite sound source is selectable between the stage (theater) mix and an auxiliary source TBD