

Technical Rider**Attention to all Production Managers, Stage Managers, Promoters, Technical Directors and others...**

The following *Technical Rider* is provided by Toxic Audio, Inc. to ensure the best performance possible for the VOX Audio Group. Any changes must be discussed with group management at least 14 days prior to performance. All final technical decisions will be made by Toxic Audio/VOX Audio's Technical Director. Please ensure that you have the latest rider from Toxic Audio. Riders that are older than 30 days may need to be renewed. It is the purchaser's responsibility to provide equipment based on the latest technical rider.

Sound System:

The Sponsor and Venue must make provisions for sound to be mixed from the middle or directly in back of audience. Mix position must be on the floor, not in or under a balcony or perch and not behind glass or any other obstructive object. Technical Director for Toxic Audio MUST have total access to entire system, including Amplifiers and Crossovers. No Peavey, Samson, or other semi-pro gear in the system.

FOH P.A.:

1-LCR or Stereo P.A. for front of house with professional concert mains. Separate 18" subwoofers per side. **Subs to be run off an aux on post.** P.A. must be capable of producing **115dB** of clean, undistorted full range sound with a frequency response of 20 to 20k hertz. No compression over Mains!

- Preferred Speakers for Concert Mains: Myer UPA 1C, Turbo Sound TQ 440 SP, Apogee 5NC, and LAcoustic. *Peavey, Mackie, and Bose are not acceptable.*
- Preferred Subwoofers: EAW SB528z, Turbo Sound TQ-425.
- Preferred Amplifiers: Crest, Crown, and QSC. *Chevin amplifiers are not acceptable.*
- Preferred Crossovers & Processors: XTA, OmniDrive, dbx Driverack

Proprietary systems must be discussed with the Technical Director for Toxic Audio / VOX Audio Group.**FOH Console:**

An analogue 24 Ch (min) Stereo (or LCR) mixer with 4 band semi parametric EQ, hi-pass filters, and 8 aux sends (pre/post assignable per channel). VCA's and mute groups are a plus. Preferable mixers are Allen & Heath ML series, Yamaha PM and MC Series, or Midas Heritage series. If a digital mixer is to be used, we prefer Yamaha brand digital mixers (please NO O1/V's or DM1000's). Monitors will be mixed from front of house console. Channels must be assignable to stereo, mains, or groups. ALL CHANNELS WILL BE USED FOR VOX AUDIO GRUOP ONLY.

Monitors:

A minimum of 4 wedge monitors and 2 side fills for 2 discreet mixes. Monitors must be 2 way, preferably 12" speaker with 2" horn. Power amps capable of pushing 2 discreet mixes. EAW JFX 100', EAW JFX 250's, Meyer PSM-2 or EV X Array preferred.

Etc:

All necessary patch cables will be needed; they must consist of ¼ inch input cables, ¼ inch insert cables, several XLR turnaround barrels or cords, extra XLR mic cables, and enough speaker cable for FOH and Monitors.

One Featherweight Com Headset for communication from FOH to stage crew and in the spot op positions.

All appropriate power, amplification, and crossovers.

In some cases under balcony speakers, or halfway delay speakers may be necessary.

Surround sound is optional.

Microphones:

VOX Audio Group will need 8 (6 vocal, 2 spare) SHURE WIRELESS UHF microphones on separate adjustable frequencies. On the transmitters, 2 SM 58 heads on mics 1 & 2, and 6 Beta 87 heads on mics 3 thru 8. We can also use BETA 58's on all transmitters if available. Please label microphones with numbers 1 through 8. There must be access to the rear of the wireless receiver rack. The outputs from the receivers are to be split, the receivers will be patched to channels

1 – 8 on the mixer, and repeated on channels 17 – 24. See the "Mixer Channel Input List". This is for the purpose of having a separate monitor mix from the house mix. Direct outs cannot be used since we need separate control of each pre-amp.

No other brand of microphone is acceptable.

One wired on/off switchable microphone at the FOH position will be needed for talkback.

Two round base mic stands with appropriate clips on stage.

FOH Rack:

5 Channels (LCR, Monitor Mix 1 & 2) of 1/3 Octave Graphic EQ.

1 Digital Reverb Unit (TC Electronic, Yamaha or Lexicon)

1 T.C. ELECTRONIC M-ONE (this device is specifically required, **no substitutions!**)

1 YAMAHA SPX 2000 OR SPX 990

1 CD Player.

VOX Audio Group uses specific effects only available on the TC Electronic M-One Processor and on the Yamaha SPX. A CD player is not needed specifically for Toxic Audio during corporate engagements where the walk in/out music will be played by a DJ or other sound company.

Mixer Channel Input List

1 – RF1 (FX Bass) *split to CH 17*

2 – RF 2 (Bass) *split to CH 18*

3 – RF 3 (Alto) *split to CH 19*

4 – RF 4 (Baritone) *split to CH 20*

5 – RF 5 (Soprano) *split to CH 21*

6 – RF 6 (Tenor/VP) *split to CH 22*

7 – RF 7 (Spare SR) *split to CH 23*

8 – RF 8 (Spare SL) *split to CH 24*

9 – Digital Reverb Return L

10 – Digital Reverb Return R

11 – Yamaha SPX Return L

12 – Yamaha SPX Return R

13 – TC Electronic M One Return L

14 - TC Electronic M One Return R

15 – CD Player

16 – Talk Back Microphone

17 – RF1 (FX Bass Monitors) *split Stereo or Main Assign OFF, Aux 1 & 2 on Post*

18 – RF 2 (Bass Monitors) *split Stereo or Main Assign OFF, Aux 1 & 2 on Post*

19 – RF 3 (Alto Monitors) *split Stereo or Main Assign OFF, Aux 1 & 2 on Post*

20 – RF 4 (Baritone Monitors) *split Stereo or Main Assign OFF, Aux 1 & 2 on Post*

21 – RF 5 (Soprano Monitors) *split Stereo or Main Assign OFF, Aux 1 & 2 on Post*

22 – RF 6 (Tenor/VP Monitors) *split Stereo or Main Assign OFF, Aux 1 & 2 on Post*

23 – RF 7 (Spare SR Monitors) *split Stereo or Main Assign OFF, Aux 1 & 2 on Post*

24 – RF 8 (Spare SL Monitors) *split Stereo or Main Assign OFF, Aux 1 & 2 on Post*

Aux 1 Send (Pre) – Monitors (Floor Wedges)

Aux 2 Send (Pre) – Monitors (Side Fills)

Aux 3 Send (Pre) – Digital Reverb

Aux 4 Send (Pre) – Yamaha SPX

Aux 5 Send (Pre) – TC Electronic M-One Left Input

Aux 6 Send (Pre) – TC Electronic M-One Right Input

Aux 7 Send (Post/Pre) – (Optional Surrounds)

Aux 8 Send (Post) – Subwoofers

**Please note that Channel 1 Bass FX Mic will have an effects unit provided by VOX Audio connected at the Shure microphone receiver position, before the split.*

Lighting:

In theatrical settings, the light board should be moved to be operated from the sound FOH mix position as the VOX Audio technical director or Toxic Audio show technician will run both lights and sound. ETC lighting boards are preferred. The lighting board should sit to the right of the sound board, creating an L shape with the mixer.

Please provide two spotlight operators.

Projection:

Toxic Audio uses a laptop with a Power Point presentation at various points through the show. If a computer or laptop can be provided, that is preferred. If not, VOX Audio can provide one with proper notice.

A projector is required with a VGA cable that runs from the FOH position to the projector. If it is not possible to reach the FOH position, a member of the stage crew will have to run the Power Point presentation from an off stage position. A video switcher may be used to convert VGA into whatever input the projector provides.

The projector shall be mounted so that the image fills as much of the cyc as possible keeping within the sightlines of all audience members.

The projected images shall consist primarily of yellow text on a black background.

NOTE: Projection shall be used in all Performing Arts Centers, Theatres and theatrical venues. Projection is not required in corporate situations that take place in hotel ballrooms or meeting rooms.

Staging:

Stage must have a minimum of 16' wide x 12' deep x 8" high playing space, with a minimum 8' height between the stage and ceiling, and a maximum distance of 6' between stage and closest audience member. Stairs should lead from stage left and stage right directly into the audience.

VOX Audio should perform in front of an evenly lit cyc, with the primary colors Red, Green and Blue. If a fourth color is available, no color is preferred. The cyc should not have a scrim in front of it as the cyc will be used for projection as well.

Set and Props:

Please provide the following:

- One 24" – 30" backless non-swivel barstool, preferably black.
- One sturdy easel, preferably black
- Three matching armless chairs, preferably black
- One small table with a top approx. 16" x 20" and approx 24" high, preferably black (*these measurements are estimates are can be flexible*).
- Two prop tables, one backstage left, and one backstage right.