

TECHNICAL RIDER (6 mixes – 2 IEMs) **THE DIAMONDS' CONCERT SETUP**

(Updated 01/21/19)

Please note that The Diamonds are a four-part harmony vocal group. The house mix should reflect that fact with the vocals comprising approximately 60% of the overall sound and the instrumental music making up 40% of the overall sound. As a whole, the house volume should not be overpowering. With that in mind, the concert setup for **The Diamonds** should include the following:

1. **Vocal microphone and monitor setup.**
 - A. Four (4) wireless (if available) vocal microphones, Shure-Beta58 or equal on four (4) **straight microphone stands (no booms)**, with **round bases**. If wired microphones are used, Shure-Beta58s are preferred.
 - B. Six (6) monitor mixes, setup as follows (see attached ***Stage Plot*** for placement of monitors):
 - i. [Mix #1] - One wireless In-Ear monitor system (he brings his own unit) for the bass vocalist.
 - ii. [Mix #2] - One floor monitor for the lead vocalist.
 - iii. [Mix #3] - One floor monitor for the tenor vocalist.
 - iv. [Mix #4] - One wireless In-Ear monitor system (he brings his own unit) for the baritone vocalist.
 - v. [Mix #5] - One (1) floor monitor for the keyboard player.
 - vi. [Mix #6] - One (1) floor monitor for the drummer
 - C. If possible, an ambient mic for crowd noise.
2. **Keyboard.** If, and ***ONLY*** if, a grand piano is available at the venue at no charge to the purchaser, The Diamonds would like to use it. If a grand piano is not available at the venue, The Diamonds will bring an electric keyboard.
 - A. If a grand piano is available, **suggested** microphone options are: Use two (2) AKG 414's or equal to mic piano or one (1) PZM taped to the top lid of the piano and one (1) condenser mic on the top section of the piano. If the venue has options that work better, that will be fine.
3. **Track playback system:** The Diamonds carry a MacBook Pro for the playback of their performance tracks. This system is self-contained including the three (3) direct boxes needed to attach to the soundboard. The XLR cables needed are ***not*** provided by The Diamonds. The following is a description of the outputs:
 - A. [Channel 1] - Multiple instruments [TRACK] containing a combination of brass, strings, percussion, piano and guitar sounds. (One line out of direct box to soundboard.)
 - B. [Channel 2] - Bass guitar output [BASS]. (One line out of direct box to soundboard.)
 - C. [Channel 3] - Guitar output [GUITAR]. (One line out of direct box to soundboard.)
4. Suggested drum microphone setup (if drum microphones are needed). These are only suggestions. Whatever you have at hand will be just fine.
 - A. Kick mic: AKG D-4
 - B. Snare mic: SM 57
 - C. Hi hat mic: SM 81
 - D. Tom mics: (3) EV ND408D or equal
 - E. Overhead mics: (2) SM 81's
5. **Digital reverb:** Use 2.8 second hall setting and mute during dialogue. This is a suggested setting and will vary depending on the room.
6. **Incidental music:** When appropriate, e.g., before and after the show and during intermission, play 1950s & 60s "nostalgia" music.

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7. Suggested channel strip setup.

Channel #	Instrument	Microphone	Channel #	Instrument	Microphone
1	Kick drum	D-4	11	Track (from (from computer)	Direct
2	Snare drum	SM 57	12	Grand Piano	AK6 414
3	Hi hat	SM 81	13	Grand Piano	AK6 414
4	Rack #1	EV ND408D	14	Elec. piano	Direct/opt.
5	Rack #2	EV ND408D	15	Vox #1	SM 58
6	Tom	EV ND408D	16	Vox #2	SM 58
7	OH left	SM 81	17	Vox #3	SM 58
8	OH right	SM 81	18	Vox #4	SM 58
9	Bass track (from computer)	Direct	19	Ambient mic 1	
10	Guitar track (from computer)	Direct	20	Ambient mic 2	

**If a grand piano is not available channels
 12 & 13 will be open.**

[NOTE: This setup is only a suggestion. Please don't hesitate to modify it for your situation. Comparable substitutions on microphones are fine.]

8. **Lighting:** Adequate lighting system to cover stage; 4 no color pink specials on the front 4 vocals. At least 3 additional washes (red, blue + one other). Lighting should be concentrated on front 4 vocals and kept full a majority of the time. One follow spot is required. One light technician.
9. **Stage Pre-set:** The Diamonds need two 6 foot, banquet style, tables, one in each of the Stage Right and Stage Left wings. In addition, The Diamonds require 4 wooden stools (no chair backs), approximately 24 – 32 inches high to be used on stage during the performance. The dressing room should include a metal clothes rack large enough for 16 men's jackets.
10. The Diamonds **do not** carry their own sound technician. A technician will have to be available to mix both the house sound and the monitors.
11. With all sound and light equipment in place at the designated time, the set up and sound check for The Diamonds should not exceed three (3) hours.

Please refer all questions concerning this rider to: Gary Owens,

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