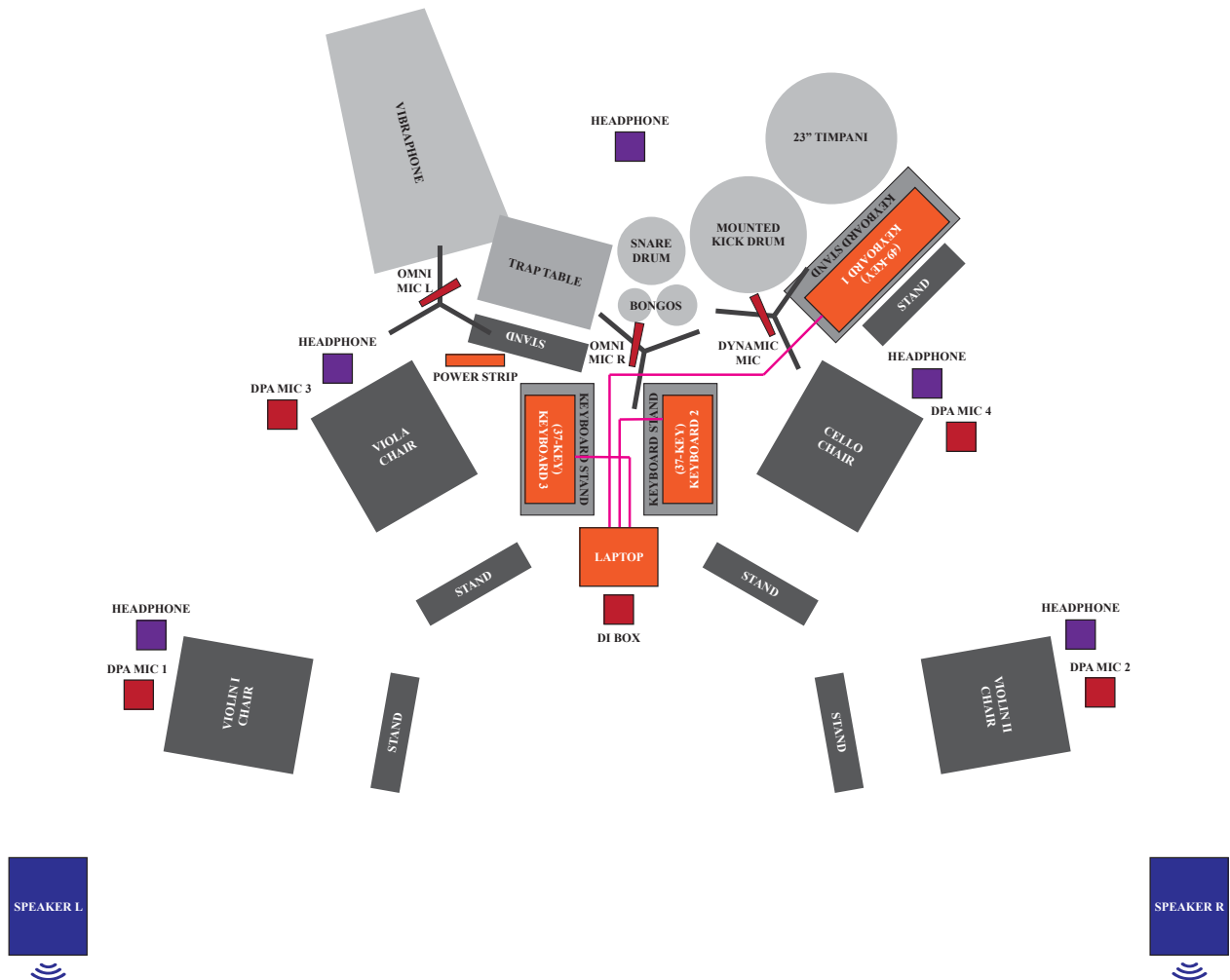


STAGE LAYOUT

VIDEO PROJECTION



AUDIO INPUTS

- | | |
|--|---|
| [1] Violin I – mounted mic | [5] Percussion, Left – omnidirectional condenser mic |
| [2] Violin II – mounted mic | [6] Percussion, Right – omnidirectional condenser mic |
| [3] Viola – mounted mic | [7] Percussion, Harmonica – dynamic mic |
| [4] Cello – mounted mic | |
| [9+10] Synthesizers, Stereo Laptop Output – DI box | |
| [11+12] Laptop/Interface, Audio from Video | |
| [13+14] Laptop/Interface, Click Track | |

OUTPUTS

- [Main Speakers] Channels 1–12
- [Headphone Mix for Performers] All Channels

TECH EQUIPMENT NEEDED

Anything marked in red, can be provided upon request.

Microphones

- [4x] mounted string microphones (DPA or similar)
 - [2x] mounting clips for violin, [1x] clip for viola, [1x] clip for cello
- [2x] omnidirectional (or cardioid, if omni not available) condenser microphones and [1x] dynamic microphone
 - [3x] microphone stands
- [7x] XLR cables to send microphones into stage snake

Synthesizers

- [3x] MIDI controllers
 - [2x] 37-key MIDI controllers and [1x] 49-key MIDI controller
 - [3x] USB-C cables to connect to laptop
- [1x] laptop (“synth laptop”) with patch to convert MIDI into audio
 - The synthesizers should play pulse waves with a 60% duty cycle.
 - An Ableton Live patch is included, if needed
- [1x] stereo DI-box
- [1x] 1/8” male stereo to 2 1/4” male mono cable to send “synth laptop” output to DI-box
- [2x] XLR cables to send DI-box outputs into stage snake
- [1x] power strip to provide power for “synth laptop”, MIDI controllers (if needed), and the headphone amplifier

Video

- [1x] projector
 - Projector would ideally be HD or 4K quality
- [1x] projection screen
 - The screen would ideally have a diagonal between 144–220 inches
 - The bottom of the screen should be about 5–6 feet above the ground, a few feet behind the percussion setup. When that location is not possible, strive to have the screen as closely connected to the ensemble as possible
- [1x] laptop (“video laptop”)
 - [1x] HDMI cable to connect “video laptop” to projector
- [1x] audio interface with at least 3 channels of output
 - 2 outputs for the video’s stereo audio, 1 for the click track
- [3x] 1/4” cables to connect to audio and click track from “video laptop” to mixer

Headphones

- [1x] headphone amplifier with 5 headphone outputs to send monitor mix to musicians
- [5x] in-ear headphones

AMPLIFICATION AND CLICK TRACK NOTES

The video and the ensemble should be equal in terms of balance. And the volume should fill the room, not subtle. All 5 musicians should have a headphone mix that includes the video’s audio and the click track. Including the ensemble’s audio in the headphone mix can also be beneficial.