

SPECTRUM

Technical Rider & Stage Plan

Thank you for your interest in booking Spectrum! This document contains details about our set as well as all of our technical requirements.

General Info

Set Duration: Up to 30 min, with ~5 - 10 second song transitions.
Company: 2 Performers
Contact: Ray Li
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Primary Equipment: Virtual Reality Tracking Device (HTC VIVE)
CASIO 88-Key MIDI Keyboard
HP Phoenix Desktop Tower
Roland Octa-Capture Audio Interface

Overview

The key component of our performance is a pair of motion tracked gloves, which are powered by an HTC VIVE virtual reality tracking device. The gloves and device will be operated from our own desktop computer which we will bring. We will provide everything required to run the VR setup, however it will require sufficient operating room. The virtual reality setup requires a minimum space of 6.5' x 5', and the computer will need to be present on stage as well. The MIDI keyboard will be connected to the computer, and we will run all sound using our own audio interface, which will be mounted together with the computer in a cart. This audio interface will provide our primary output.

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Requirements

POWER

- **120V AC Power Outlet:** At least a single outlet is required - we will have our computer and VR devices pre-connected to a power strip in order to be able to run off of a single outlet, but multiple outlets are preferred for convenience.

SOUND

- **Stereo Output:** A single stereo out channel - we can provide stereo output in any of the following formats:
 - 1 1/8 inch stereo jack output (male or female)
 - 2 1/4 inch mono jack outputs (male or female)
 - 2 XLR male outputs
 - 2 RCA male outputs
- **PA Microphone:** A single PA microphone connected to the house speakers (not for vocals, only for addressing the audience).
- **Stage Monitors:** Two stage monitors, on either side of the stage - one in front of each performer, and ideally with the full stereo out going to each.

VIDEO

- **Display Medium (Projection Screen/LED Wall/LCD Display):** A display medium to project accompanying visuals - we have visuals that will display a view of the gestures and motions being performed, and will be synchronized to the music.
- **Video Out:** Either DisplayPort or HDMI output to connect our video stream to the display.

LIGHTS

- We generally prefer for the house and stage lights to be as dim as possible - the gloves will be adorned with NeoPixel LED strips, and these light strips will be synchronized to accompany the projected visuals and music.

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Stage

Figure 1 - Stage Plan

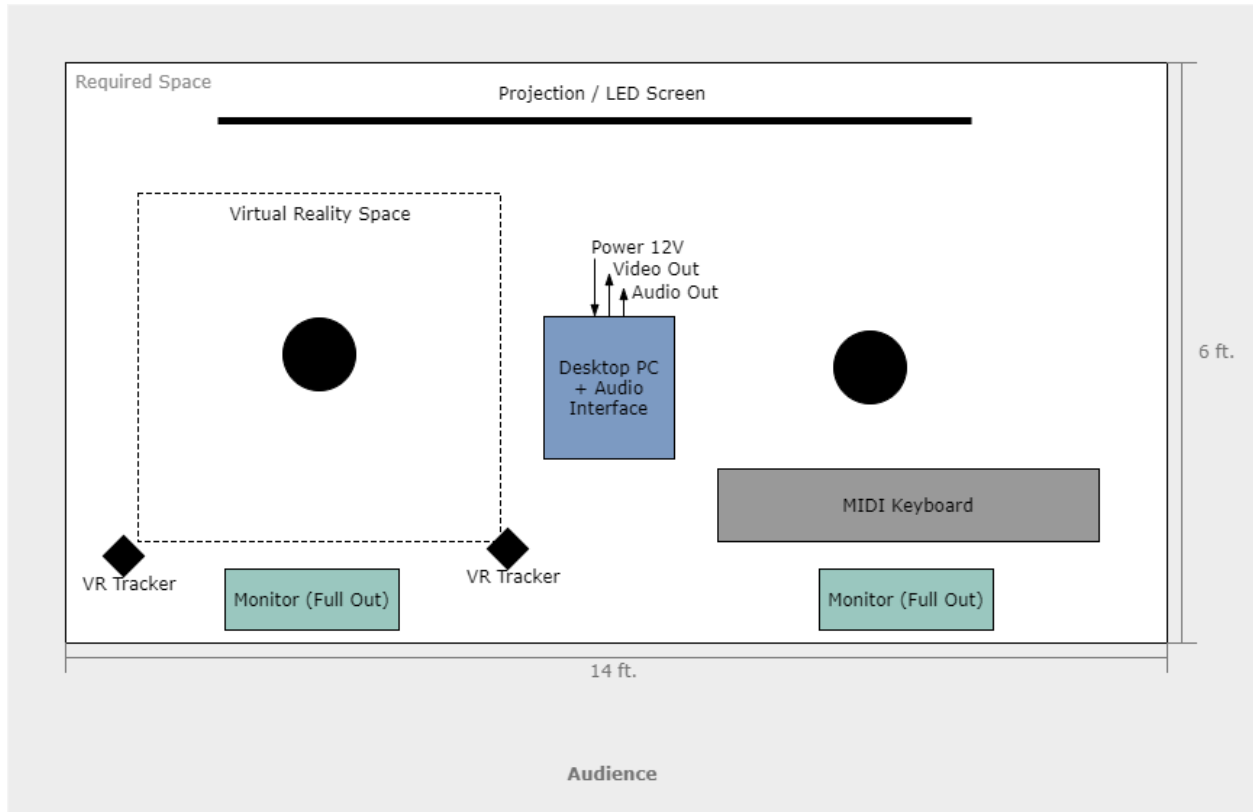


Figure 2 - Example Stage Setup

