

V E S E R I U M

Technical Rider & Stage Plan

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

General Info

Set Duration: Up to 1 hour
Company: 2 Performers
Contact: Ray Li
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Primary Equipment: Virtual Reality Tracking Device (HTC VIVE)
Two sets of Vesperium Gloves & LED Suits
Lenovo PC Monitor
HP Phoenix Desktop Tower
Roland Octa-Capture Audio Interface

Overview

The key component of our performance are our two motion control LED suits & gloves, which are powered by an HTC VIVE virtual reality tracking device. The gloves and the VR 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. Our virtual reality setup requires a minimum space of 12' x 8', and the computer will need to be present on stage as well. We will run all sound using our own audio interface, which is mounted on a custom-built rig, along with the desktop computer. This audio interface will provide our primary output.

Setup

We generally require access to the venue and performance space at least 2 hours ahead of our scheduled performance, to set up the computer, the virtual reality environment, and the software that powers our performance. The software and virtual reality system require some initialization time, so we will need set up & boot up our desktop computer ahead of time, and it will need to remain running until our scheduled performance. Additionally, our LED suits are physically connected to the computer via USB cable, which means we require ~2 minutes directly before our performance to plug ourselves in and perform final ready checks, which may have some impact on set transitions.

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Requirements

POWER

- **120V AC Power Outlet:** At least a single outlet is required – we will have enough cables and power strips 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
- **A/V System:** Minimum of two 18" subwoofers.
- **PA Microphone:** A single PA microphone connected to the house speakers (not for vocals, only for addressing the audience).
- **Stage Monitors:** Our ideal set up involves two stage monitors, on either side of the stage – one in front of each performer, preferably with full stereo out going to each.

VIDEO

- **Display Medium (Projection Screen/LED Wall/LCD Display):** A display medium to show accompanying visuals – we have visuals that show our interaction with the virtual instruments. These visuals are generated in real-time and as such they must come directly from our computer on stage.
- **Video Out:** Either **DisplayPort** or **HDMI** output to connect our video stream to the display medium.

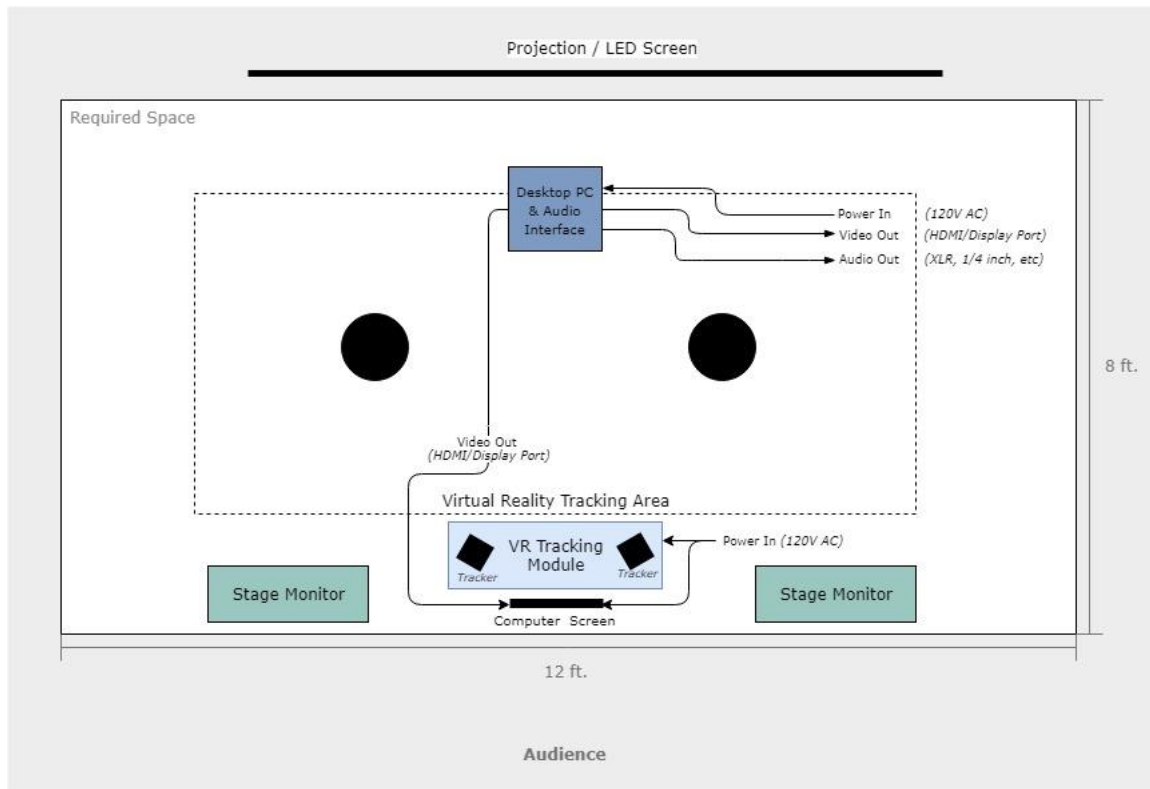
LIGHTS

- For the most impactful performance, house & stage lights must be capable of going dim or fully off, to aid visibility of the visuals and the LED suits. We can also do outdoor events, but are unable to perform in direct sunlight, as the sun interferes with our motion-tracking mechanism.

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Stage

Figure 1 - Stage Plan



ADDITIONAL NOTES

- **VR Tracking Module:** A small rectangular box measuring 3 ft x 6 in x 6 in sits on the floor in front of us.
- **Computer screen:** A computer screen measuring 17 in tall and 22 in wide lies behind the VR Tracking Module. The computer screen provides feedback and performance cues, so it is important for us to have an unobstructed view of the screen at all times. Fog, or other effects, may interfere with our ability to perform.