Virtuix

Omni

VIRTUIX OMNI
OWNER'S MANUAL
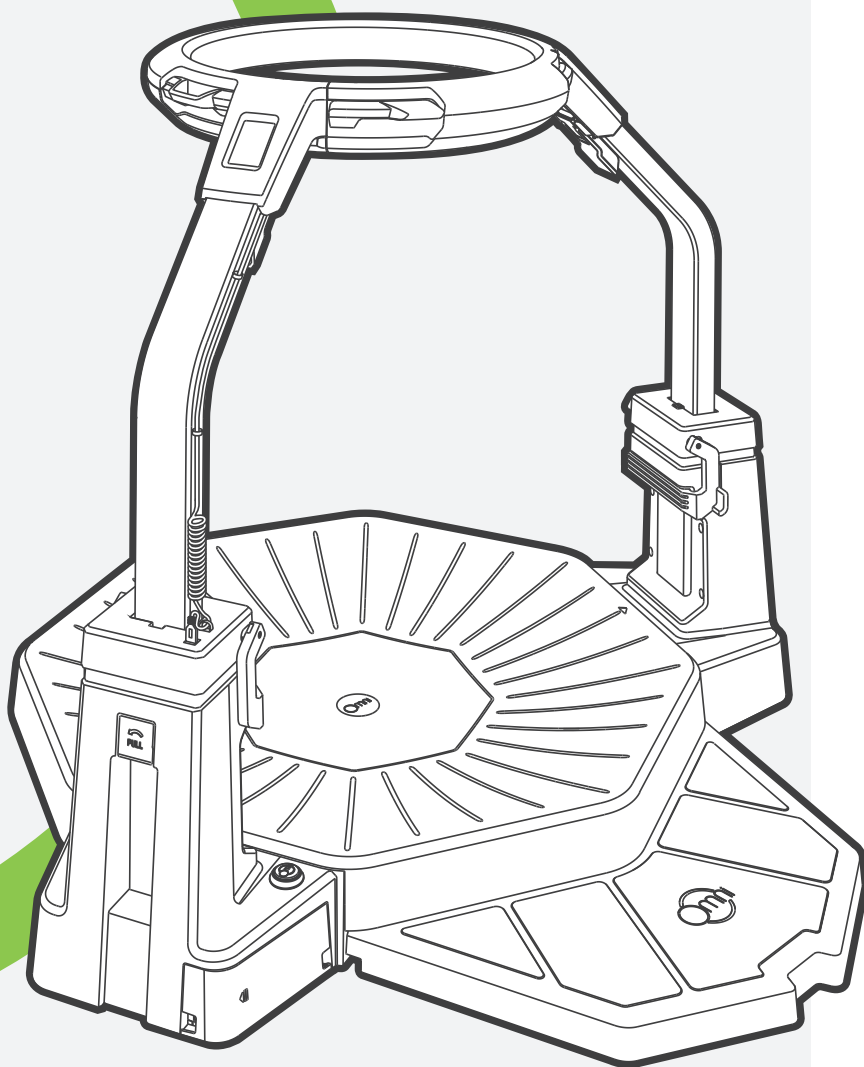
FCC ID: 2AHFN-OMNIV001
2AHFN-PODV001
IC: **21168-OMNIV001**
21168-PODV001

Federal Commission (FCC) statement (USA)

This device meets the FCC requirements for RF exposure in public or uncontrolled environments. This device complies with FCC

part 15 FCC Rules. Operation is subject to the following two conditions: 1. This device may not cause harmful interference and 2. This device must accept any interference received, including interference that may cause undesired operation.

FCC Warning

Changes or modifications not approved by the manufacturer could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for Class B digital device, pursuant to part 15 of the FCC

Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions,

may cause harmful interference to radio communications.

IC Warning

This device complies with Industry Canada license exempt RSS standard(s). Operation is subject to the following two conditions: 1. this device may not cause interference, and 2. this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme avec Industrie Canada RSS standard exempts de licence (s). Son utilisation est soumise à Les deux conditions suivantes: 1. cet appareil ne peut pas provoquer d'interférences et 2. cet appareil doit accepter Toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement du dispositive.

Thank you for purchasing the Virtuix Omni™.

WARNING

To avoid risk of injury or damage, read and follow all assembly and usage instructions before using the Virtuix Omni products. Do not use the Virtuix Omni products if you are pregnant, intoxicated, epileptic, or recovering from major surgery, illness, or a heart attack. This product is intended for home use by healthy adults between 4'8" (142 cm) and 6'5" (195 cm) tall, and not more than 285 lbs (130 kg). Do not attempt to use the Omni if you do not meet the height/weight requirements, or if you are not healthy enough to engage in moderate to heavy physical exercise.

Exercise can present a health risk. Consult a physician before beginning any exercise program with this equipment. If you feel faint or dizzy, immediately discontinue use of this equipment. Serious bodily injury can occur if this equipment is not assembled or used correctly. Keep others and pets away from equipment when in use. Always make sure all bolts and nuts are securely tightened prior to each use.

1. WELCOME TO THE OMNIVERSE ™

A Revolution Is Underway

Since we first acquired the gift of imagination, our deepest desire has been to physically inhabit our fantasies, transcending, if only for a while, the restrictions imposed on us by the real world. This quest has taken us past many milestones; from the birth of language and the first cave painting to the printed word and the motion picture. In the past few decades, technology has made it possible to interact with our creations in the form of videogames. More recently, head-mounted displays have allowed us to peek inside the virtual world, and feel as though we are finally there - almost.

One barrier has continued to halt that first step into the unknown. How do we escape the physical confines of our crowded spaces, and move naturally, impulsively, without limits? Attempting to impel our virtual avatars with our hands has been proven to break immersion and trigger the nauseating symptoms of simulator sickness. This has led some to question whether true first-person Virtual Reality (VR) can be had at all without drastic compromises.

There is an answer. The Virtuix Omni is a first-of-its-kind omnidirectional treadmill that frees users from passive, seated experiences, unleashing the full potential of virtual reality. Locomotion using a keyboard or gamepad simply pales in comparison once you've tried true, Active VR.

You are about to embark on an incredible journey. Not only are your VR experiences poised to be more enjoyable and immersive, you will also benefit from improved fitness. The Omni is the antidote to our now dangerously sedentary modern lifestyle. Traditional exercise and dieting regimes run contrary to our internal programming and so are difficult to maintain, but our instinctive urge to explore can be harnessed to make healthy movement a pleasure again, and not a chore.

Applications of locomotion in VR stretch far beyond gaming and fitness: education, training, tourism, business and social meetups … the possibilities are limitless. The Omni's immersive technology opens up a new realm of potential, revolutionizing how we live, learn, work and play. The world will never be the same.
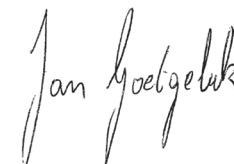
Creating the Omni was a challenging process that required years of research and development. In that time, we have also crafted a special adventure for you to enjoy as you embark on your first voyage into the virtual world. Included with your purchase of the Virtuix Omni, we are proud to present – TRAVR.

Professor Tristan Verstraeten, AKA 'Doc V', will be your guide as you join the fight against the evil society known as Hades. He will begin helping you right away, even from within the pages of this manual!

The lore of TRAVR is intricately tied to the origin of the Virtuix Omni itself, and you may find yourself questioning where fiction ends, and reality begins. From all of us at Virtuix, we thank you for sharing our vision, and bid you safe travels in the Omniverse.

Get ready to enter a new world.

With thanks,

Jan and the Virtuix team

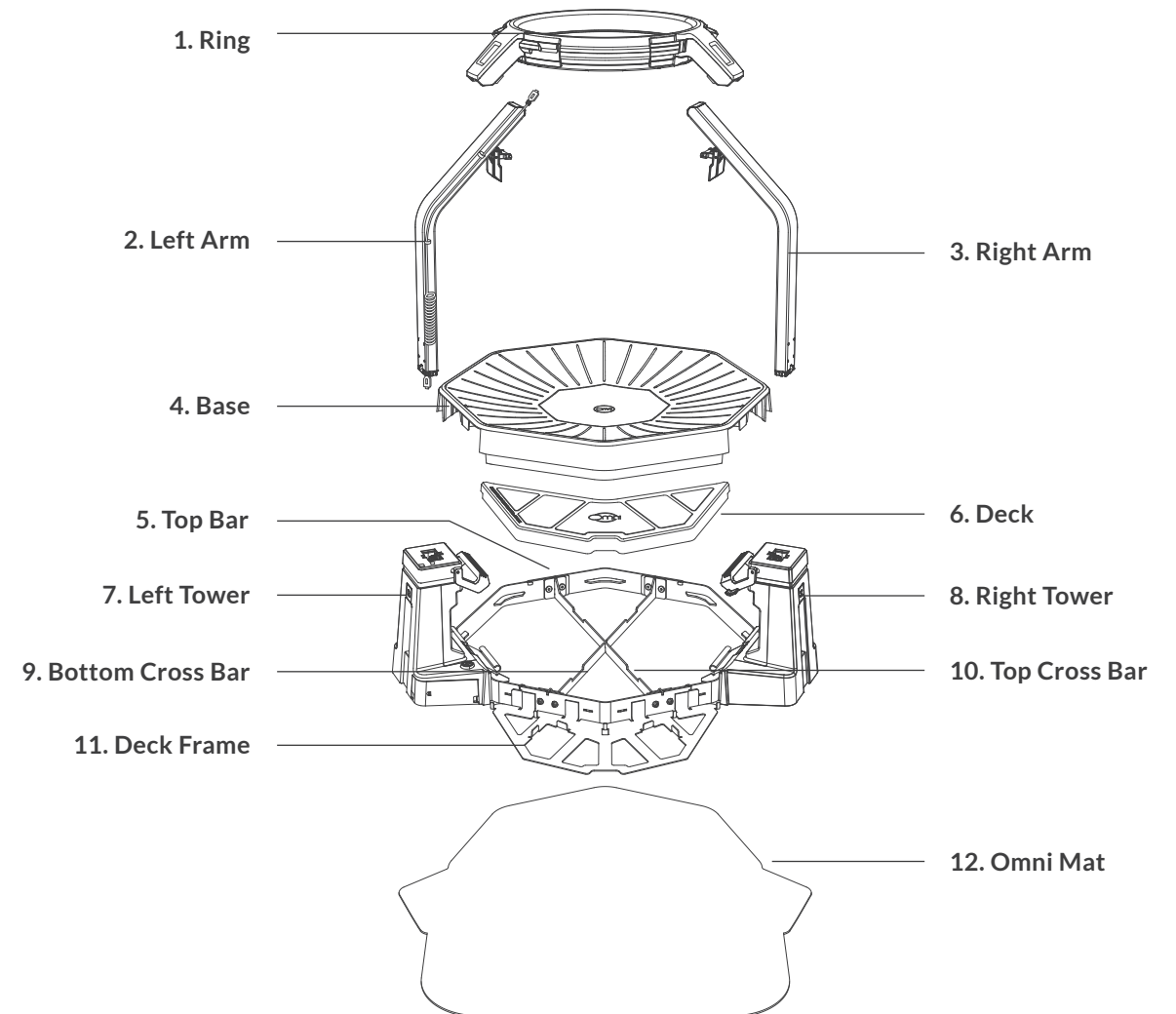# 2. INDEX

3-1. OMNI PARTS LIST

Doc V

Hi there! I'm Professor Tristan Verstraeten, AKA 'Doc V', and I'm here to help you set up your Omni. During the course of my research in the field of quantum physics, I discovered a way to break through the bonds of time and space, allowing for unlimited travel across our world and the ones beyond via the creation of a 'virtual space' – or 'Verse' for short. I've heard people say I named it after myself, but of course I would never do that!

Navigating the Verse requires a special kind of locomotion device, of which you are now the proud owner. If you are interested in learning more about how the Omni came to be, check out the TRAVR chapter at the back of this manual or my lore videos at www.virtuix.com/lore.

The Big Omni Package Includes The Following Omni Components:

1. Ring
2. Left Arm
3. Right Arm
4. Base
5. Top Bar
6. Deck
7. Left Tower
8. Right Tower
9. Bottom Cross Bar
10. Top Cross Bar
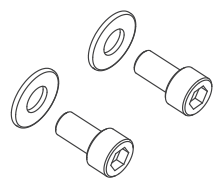11. Deck Frame
12. Omni Mat

⚠ WARNING

To avoid risk of injury or damage, please read and follow all safety, assembly and operational instructions, and observe the usage and conditioning guidelines before using the Virtuix Omni products.
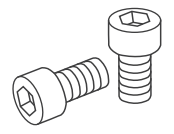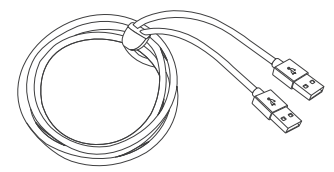
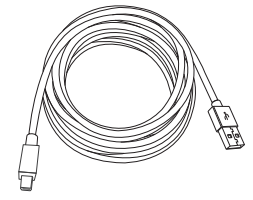# 3-2. OMNI PARTS LIST
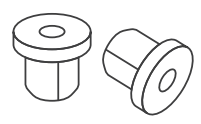
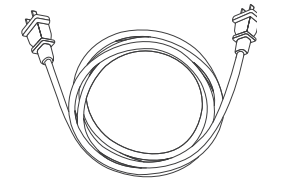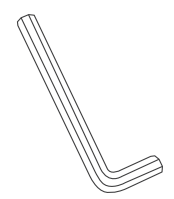**13. D-Shaped Pin x8**

14. Bolt & Washer x8

15. Harness Screws x6

22. USB Hub x1
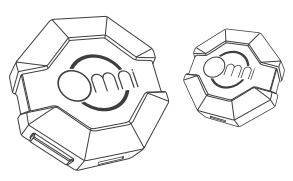
23. 10ft. USB-PC Cable x1

24. Power Cable + Adaptor x1
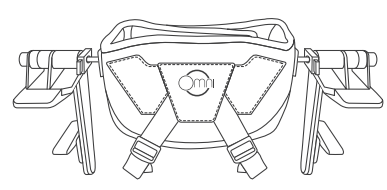
16. Allen Wrench x2

17. Shoe x2

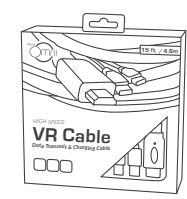**18. Pod x2**

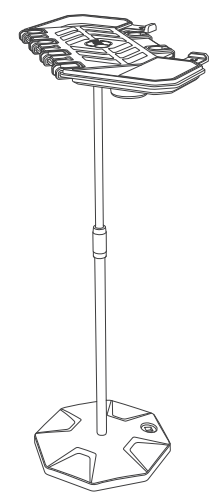## Available Separately From Our Store:

19. Harness Frame x1
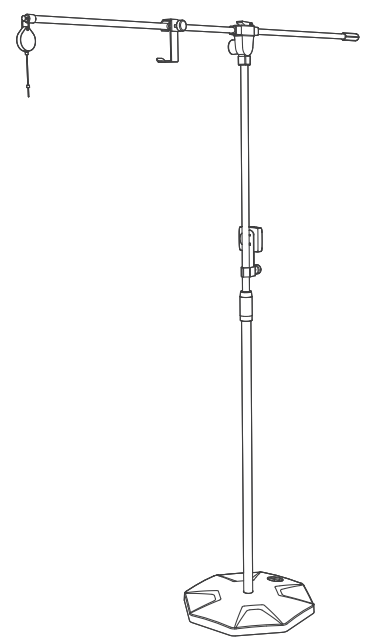
20. Belt and 2x Supports

21. Support-Lock x2

**15ft. HMD Cable**

Rack

Boom

4. BEFORE YOU BEGIN

A. First, let's be sure to download the Omni software and TRAVR experiences, if you haven't already – as this process may take several hours to complete. Visit www.virtuix.com/download to download all files.

Visit Online
www.virtuix.com/download

B. Next, let's charge up your two Omni Pods. Your package includes a USB charging hub. Connect both Pods to the hub, and plug the hub into any available USB port of your PC.

USB Connector
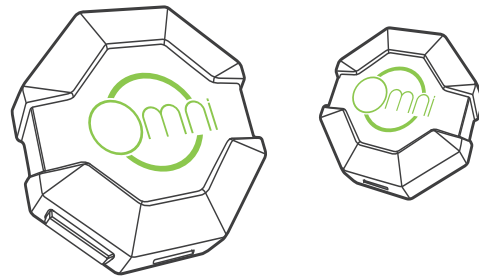
Doc V: "For your convenience, I have created a series of instructional videos that will guide you during your setup and first use of the Omni. If you are near your computer or mobile device, go ahead and load our video page at www.virtuix.com/instructions or simply use the following QR code."

C. Let's make space for your Omni, if you haven't already done so. Use the Omni Mat to designate a space on the floor where you would like your Omni to be. Preferably this should be close to your computer desk so that your keyboard and mouse are within reach. Make sure that items such as TVs, monitors, and lamps are far enough away that you will not risk hitting them with your hands or hand-held controllers while using the Omni.

If you have not purchased our optional Omni Rack (available at www.virtuix.com), we suggest you provide a table near the Omni Mat to hold your gamepad or gun controller, VR peripherals, drinks, etc.

Place the optional Omni Boom near the Omni Mat for management of the HMD cable. If you did not order the optional Omni Boom (available at www.virtuix.com), your PC should be close enough so that you have sufficient slack in your HMD cable. If your HMD cable is not long enough, we can supply a 15ft. extension cable specifically designed for use with the Omni (also available from www.virtuix.com).

Finally, place a chair to the left of the Omni Mat, so you can comfortably put on the Omni Shoes and step onto the Deck before entering the Omni.
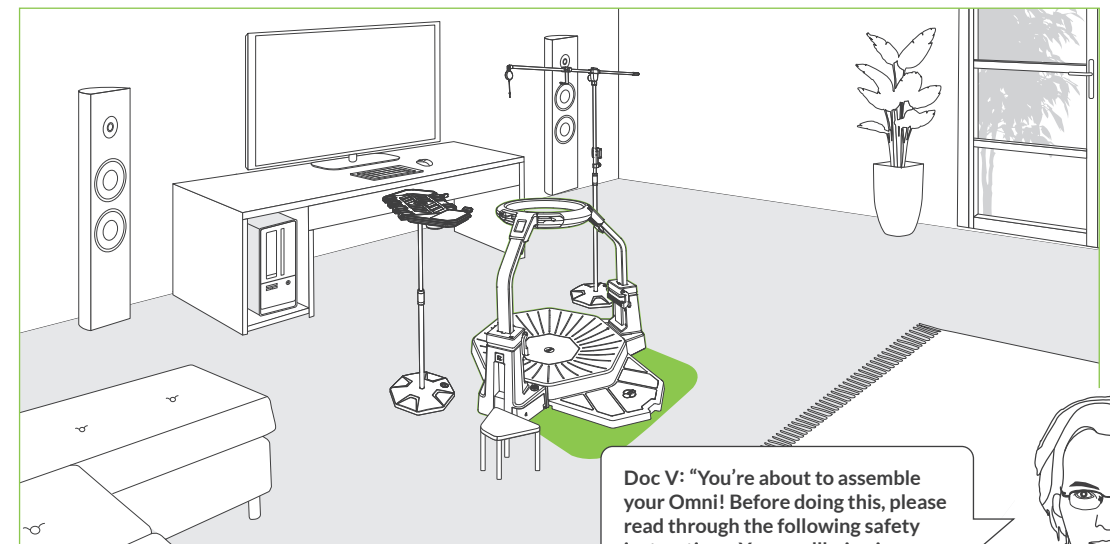
Doc V: "You're about to assemble your Omni! Before doing this, please read through the following safety instructions. Your wellbeing is my primary concern!"