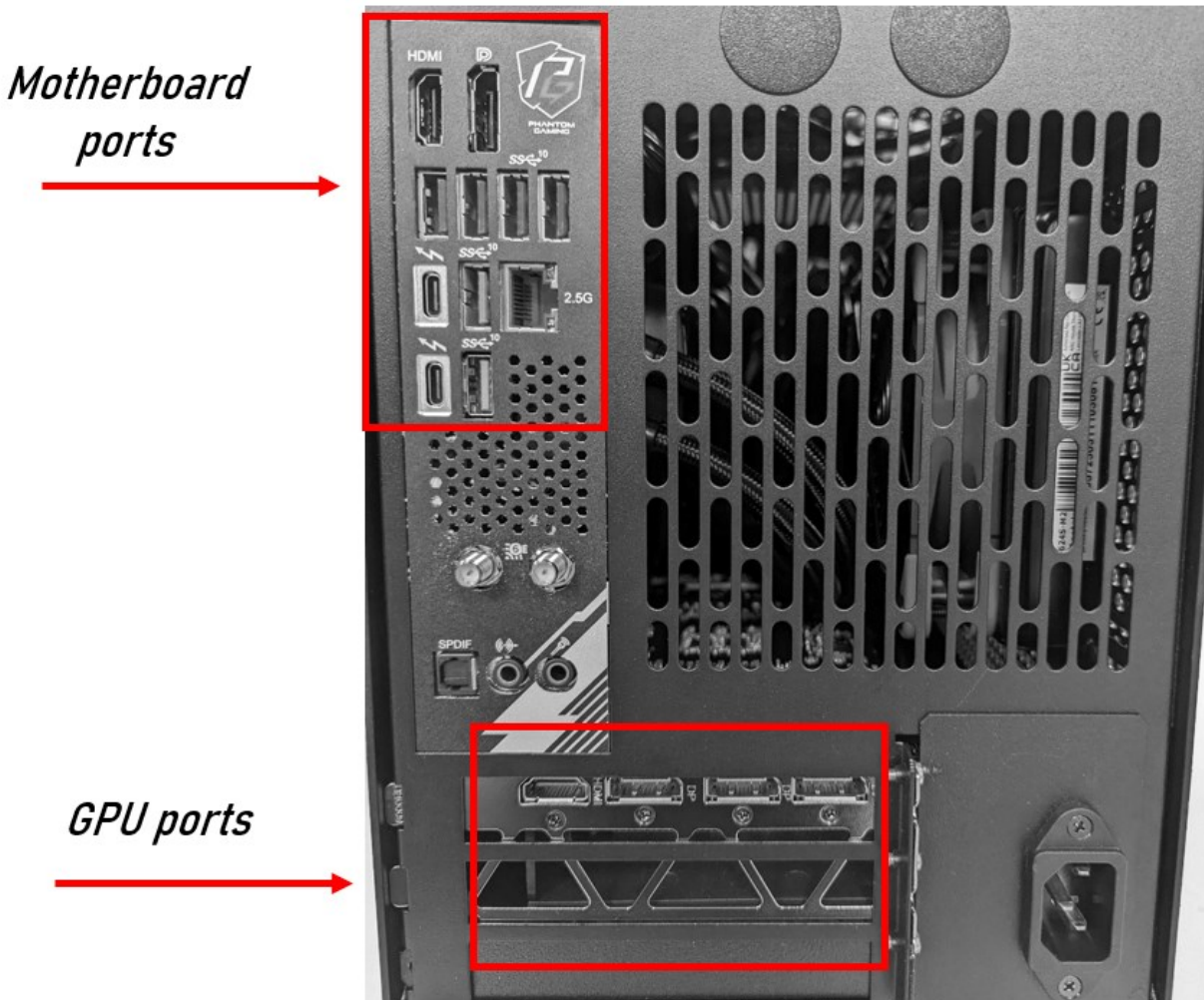# RENDERBEAST

Bundle Quick Start Guide

1. Remove RenderBEAST® PC from case and place in desired location.
   o Plug in the following items to the computer. *See Figure A for generic overview of ports.*
      ▪ Power cord
      ▪ Monitor: Plug the monitor into the graphics card (GPU) and not the motherboard (I/O)
      ▪ Keyboard and Mouse: Plug into the motherboard (may be wired or wireless dongle)
   ▪ Ethernet cable or Wi-Fi antennas (if necessary)

Figure A: Sample RenderBEAST port identification *Note: Each graphics card (GPU) will have unique and different connections. The image below is for a generic overview only and not intended to exactly replicate your custom RenderBEAST configuration.*

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2. Remove Varjo headset, link boxes and power cables from case. *See Figure B for overview of set-up.*
   o Plug in the following items to the computer:
     - 1x DisplayPort from Headset to RenderBEAST (Plug into GPU port)
       - *See Figure B: Cable 5*
     - 1x USB-C from Link Box to RenderBEAST (Plug into motherboard port)
       - *See Figure B: Cable 3*
     - 1x Power from Link Box to the 60W port on Power Brick
       - *See Figure B: Cable 2*
     - 1x USB-C from Headset to Link Box
       - *See Figure B: Cable 4*
   o Plug the controllers into the Power Brick to charge, if necessary
       - See Figure B: Cable 7

Figure B : Connecting Varjo XR-4 headset

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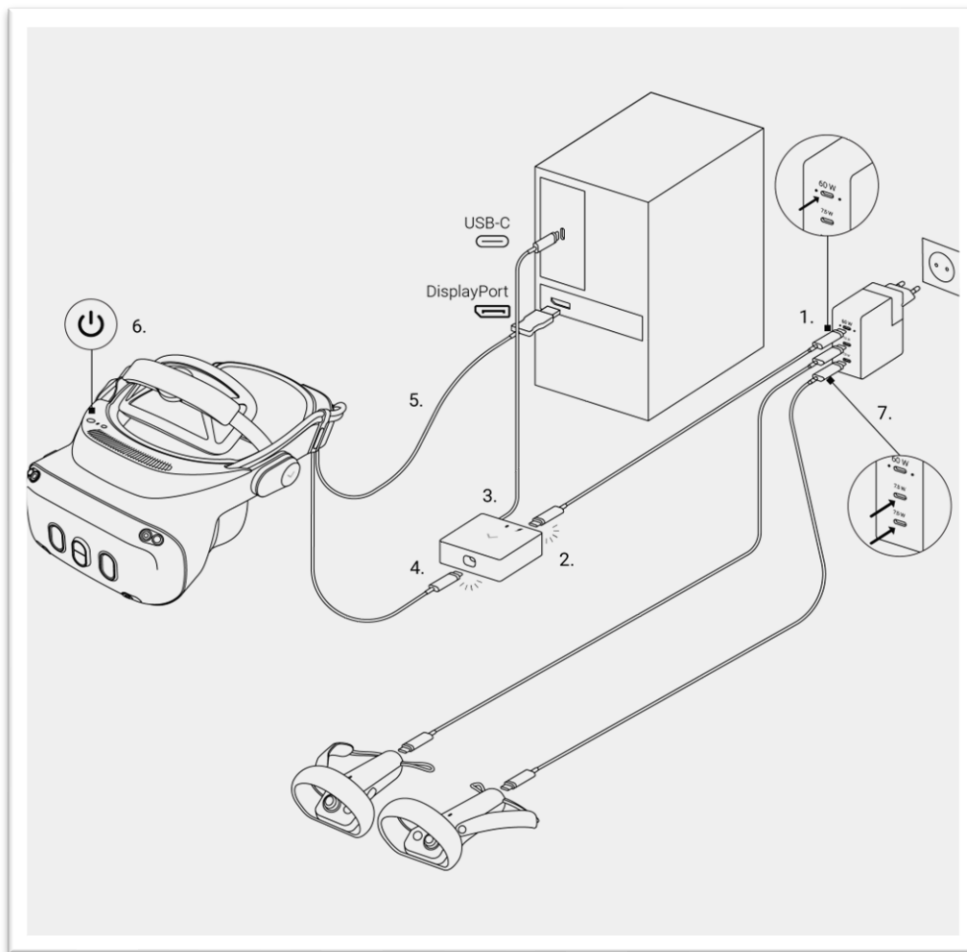
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3. Remove and set up remaining peripherals from case.
    o Setup Vive® Base Stations on tripods (if using SteamVR tracking). *See Figure C for tips on set-up.*
        ▪ *Base Stations can be used with Varjo XR-4 part numbers:*
            • *V0017900*
            • *V0018200*
            • *V0018000*
            • *V0018300*
            • *V0018500*
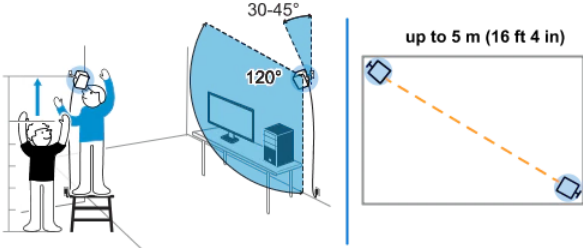   o Turn on wireless keyboard/trackpad/mouse

Figure C: Setting up Base Stations *Note: Base stations also sometimes referred to as "lighthouses".*

Tips for setting up the base stations

Note:

The hardware may be purchased separately from the **Accessories** tab on www.vive.com/product/.

You may set up the base stations in a way that's suitable for your place. For best results, you may follow these recommendations:

• Mount the base stations diagonally and above head height, ideally more than 2 m (6 ft 6 in).

• Secure the base stations in a location where they can't be easily jostled or moved.

• Each base station has a 120-degree field of view, so it's ideal to adjust its angle between 30 and 45 degrees to fully cover your play area.

• For optimal tracking, make sure that the maximum distance between the two base stations is 5 m (16 ft 4 in).

• Avoid setting up in an area with bright light, which may negatively affect the performance of the base stations.

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4. Power on RenderBEAST.
5. Power on the Varjo headset (button on top right of headset).
6. Open Varjo Base software application on RenderBEAST computer.
   o Update your headset firmware if prompted
     ▪ Varjo Base application will automatically check that your headset firmware is up to date.
     ▪ If the firmware is not compatible with the current version of Varjo Base, you will be prompted to update the firmware.
   o Pair your controllers. *Note: First time use only. This step is not necessary after the first time.*
     ▪ Follow the instructions in Varjo Base to pair your controllers.
   o Update controller firmware if prompted.
     ▪ In Varjo Base, go to the Support tab and select Update under Controller firmware update.
     ▪ Follow the instructions on the screen to update the controllers.
     ▪ *Note: Varjo Base will incorrectly show "Update to version 0.xxx" even after firmware has been updated.*
7. Headset is setup and ready to run.

- **OPTIONAL ADDITIONAL SET-UP:** If also installing UltraLeap, 15M cables, etc., be sure to reference the specific set-up documentation included with the corresponding packaging of these optional add-on Varjo features.

- **RAVE Computer support:** For RenderBEAST and set-up questions:
   o Email: support@rave.com
   o Call: 1.800.966.7283

- **Varjo support**: For tips and tricks on Varjo, Varjo Base, and other product updates/usage:
   o Getting Started and Setting Up Your XR-4 Headset
     ▪ https://varjo.com/use-center/get-started/varjo-headsets/setting-up-your-headset/setting-up-xr-4/
       - Alternatively, you can scan the QR code below to access the link above