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› HTC Vive Pro Eye Virtual Reality Headset User Manual

**HTC 99HAPT005-00**

# HTC Vive Pro Eye Virtual Reality Headset User Manual

Model: 99HAPT005-00

## INTRODUCTION

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This manual provides essential information for setting up, operating, and maintaining your HTC Vive Pro Eye Virtual Reality Headset. The Vive Pro Eye is designed for professional and commercial applications, offering precision eye tracking, user analytics, and foveated rendering capabilities. Please read this manual thoroughly before using your device.



Image: Front view of the HTC Vive Pro Eye Virtual Reality Headset.

## SETUP

Proper setup is crucial for optimal performance of your Vive Pro Eye headset. Ensure your computer meets the minimum system requirements for VR.

### Package Contents

The HTC Vive Pro Eye Headset package typically includes:

- Vive Pro Eye Headset
- Headset Cable (attached)
- Face Cushion (attached)
- Cleaning Cloth
- Earphone Hole Caps (2)
- Documentation
- Link Box

- Power Adapter
- DisplayPort Cable
- USB 3.0 Cable
- Mounting Pad

## Hardware Connection

1. **Connect the Link Box:** Connect the Link Box to your computer using the provided DisplayPort and USB 3.0 cables. Ensure your USB 3.0 drivers are correctly installed and updated on your PC to avoid connectivity issues.
2. **Connect the Headset:** Plug the headset cable into the Link Box.
3. **Power On:** Connect the power adapter to the Link Box and plug it into a power outlet.
4. **Base Station Setup (if applicable):** If you are using external base stations (sold separately or included in a full system), position them according to the instructions provided with those components to define your play area. Ensure no reflective surfaces are in the play area, as this can interfere with tracking.



Image: Front view of the HTC Vive Pro Eye Headset, showing the integrated sensors.

## Software Installation

Download and install the necessary Vive software and SteamVR from the official HTC Vive website. Follow the on-screen prompts to complete the software setup and room-scale calibration.

## OPERATING INSTRUCTIONS

### Wearing the Headset

Adjust the headset straps and interpupillary distance (IPD) to ensure a comfortable and clear viewing experience. The integrated headphones can be positioned over your ears for immersive audio or moved away if you prefer to hear your surroundings.



Image: Side view of the HTC Vive Pro Eye Headset, highlighting the adjustable strap and integrated headphones.

### Key Features

- **Precision Eye Tracking:** The integrated eye-tracking technology allows for consistent and accurate analysis of eye movements, beneficial for research, training, and creative applications.

- **User Analytics:** Utilize the eye-tracking data to gain insights into user experience within VR environments, including heat mapping and gaze tracking.
- **Foveated Rendering:** This feature optimizes graphical fidelity by rendering the area where your eyes are focused in high detail, reducing the rendering workload on your GPU for improved performance.
- **Integrated Audio:** The headset features built-in speakers that provide high-quality audio. You can adjust their position for either full immersion or awareness of your physical surroundings.

## Brightness Settings

The headset's brightness can be adjusted through the software settings. A "night mode" option is available for reduced brightness, which some users may find more comfortable for extended use or to mitigate visual artifacts like "god rays."

## MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your Vive Pro Eye headset.

### Cleaning

- **Lenses:** Use the provided cleaning cloth or a dry microfiber cloth specifically designed for optical lenses. Wipe gently in a circular motion. Do not use liquid cleaners or abrasive materials, as they can damage the lenses.
- **Headset Exterior:** Wipe the exterior surfaces with a soft, damp cloth. Avoid getting moisture into any openings.
- **Face Cushion:** The face cushion can be removed for cleaning. Refer to the detailed user guide for specific cleaning instructions for the cushion material.

### Storage

Store the headset in a cool, dry place away from direct sunlight. Protect the lenses from scratches by keeping the headset in its original packaging or a dedicated storage case when not in use.

## TROUBLESHOOTING

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If you encounter issues with your Vive Pro Eye headset, refer to the following common solutions.

- **No Power/Headset Not Turning On:**
  - Ensure all cables, especially the power adapter and Link Box connections, are securely plugged in.
  - Verify the Link Box is receiving power.
  - Check for any damage to the cables or Link Box. A faulty Link Box can prevent the headset from powering on.
- **Tracking Issues:**
  - Ensure base stations (if used) are properly mounted and powered.
  - Remove or cover any highly reflective surfaces in your play area (e.g., mirrors, shiny windows), as these can interfere with tracking.
  - Recalibrate your room setup in SteamVR.
  - Ensure there are no obstructions between the headset/controllers and the base stations.
- **Display Problems (Blurry, Screen Door Effect, God Rays):**
  - Adjust the headset's fit and IPD (interpupillary distance) for optimal clarity.

- Clean the lenses carefully with a microfiber cloth.
- For "god rays" or excessive brightness, try enabling "night mode" in software settings.

- **USB 3.0 Connectivity Issues:**

- Ensure your computer's USB 3.0 drivers are up to date.
- Try connecting the USB 3.0 cable to a different USB 3.0 port on your computer.
- Verify that your PC's USB controller is functioning correctly.

- **Software/Driver Conflicts:**

- Ensure all Vive software, SteamVR, and graphics card drivers are updated to their latest versions.
- Restart your computer and the Vive software.

## SPECIFICATIONS

Below are the technical specifications for the HTC Vive Pro Eye Virtual Reality Headset (Model: 99HAPT005-00).

Feature	Detail
Brand	HTC
Model Number	99HAPT005-00
Display Resolution Maximum	2880 x 1600 pixels
Resolution	2880 x 1600 pixels
Screen Size	6 Inches
Display Type	LED
Field Of View	95 Degrees
Sensor Technology	Eye Tracking, Accelerometer, Gyroscope
Connectivity Technology	USB
Connector Type	USB
Compatible Devices	Personal Computer
Operating System	Windows
Specific Uses For Product	Professional training, simulation, research, filmmaking, advertising, creative purposes
Additional Features	Fast Charging, Sweatproof
Color	Black, Blue
GTIN	821793051952
UPC	821793051952

## WARRANTY AND SUPPORT

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For detailed warranty information, please refer to the official documentation included with your product or visit the HTC Vive support website.

If you require technical assistance or have questions regarding your Vive Pro Eye headset, please contact HTC customer support. It is recommended to have your product model number (99HAPT005-00) and proof of purchase available when contacting support.

For user guides and manuals in PDF format, you can refer to the following links:

- [User Guide \(PDF\)](#)
- [User Manual \(PDF\)](#)