

Overview

HP Reverb Virtual Reality Headset - Professional Edition



Introduction

The HP Reverb Virtual Reality Headset - Professional Edition offers stunning immersive computing with significant ease of setup and use in a cost effective solution. This solution is well suited for Engineering Product Dev and design reviews, AEC (Architecture, Engineering & Construction) reviews, location based entertainment, and MRO (Maintenance, Repair and Overhaul) training use environments.

Take advantage of the complete Windows 10 Mixed Reality and SteamVR ecosystems.

Important note: HP Reverb Virtual Reality Headset - Professional Edition is not recommended for children under the age of 13. All users should read the HP Reverb Virtual Reality Headset - Professional Edition User Guide to reduce the risk of personal injury, discomfort, property damage, and other potential hazards and for important information related to your health and safety when using the headset. Windows Mixed Reality requires Windows 10 October 2018 Update installed on the workstation or PC. Features may require software or other 3rd-party applications to provide the described functionality. To minimize the possibility of experiencing discomfort using a VR application, ensure that the PC system is equipped with the appropriate graphics and CPU for the VR application. For HP workstation VR ready recommended configurations, see:

<http://www8.hp.com/h20195/v2/GetPDF.aspx/4AA6-9646ENW.pdf>

Overview

Key Features and Benefits

- 2160x2160 resolution per eye: Get lost in ultra-sharp visuals with 2160x2160 resolution per eye that takes all your content to a remarkable place.
- Controller and Headset six degrees of freedom: Explore the virtual world around you with six degrees of freedom. Move up, down, back, forth, and side to side in the VR experience.
- Two Motion controllers: Included Bluetooth® connected motion controllers give you accurate tracking of hand and arm movements. Bluetooth® controllers pre synced to headset with built in Bluetooth® for easy out of box setup.
- Wide field of view: Large field of view means deeper immersion. Stun your visual senses with approximately 114-degree field of view with a Windows Mixed Reality Ultra ready PC.
- High refresh rate React quicker and experience it clearer with a 90Hz refresh rate* when paired with recommended workstation specifications
- Integrated motion tracking: Jump right into mixed reality without the hassle of setting up additional peripherals.
- Quick-release cable: Quickly and easily attach and detach the cables running from your PC to the headset.
- Face cushion: Keep the headset clean with face cushions that are easy to clean for repetitive use.
- 2-in-1 cables: Choose the cable length that is best for your VR setup with both 3.5m and 0.6m HMD 2-in-1 cables. The 3.5m cable is ideal to connect to desktop or mobile workstations. The 0.6m cable is ideal for connecting to the HP Z VR Backpack wearable VR PC (Z VR backpack PC sold separately).
- Full support in both the Windows Mixed Reality platform ecosystem and SteamVR ecosystem.

*To enable full 90 Hz performance, a DisplayPort™ 1.3 or later connection is required with the graphics solution provided by the PC.

In The Box

- HP Reverb Virtual Reality Headset - Professional Edition
- 3.5m headset cable for desktop and mobile PC's
- 0.6m headset cable for HP Z VR Backpack wearable VR PC (Z VR backpack PC sold separately)
- 2 motion controllers
- 1 DisplayPort to mini-DisplayPort™ adapter
- Setup document
- 1 year limited warranty

Recommended minimum workstation specifications

Graphics: DX12 capable graphics. NVIDIA® GTX 1080, NVIDIA® Quadro® P5200, AMD Radeon™ Pro WX 8200, equivalent or better

Processor: Intel® Core™ i7, Intel® Xeon® E3-1240 v5, equivalent or better

Memory: 16 GB RAM or more

Video out: DisplayPort™ 1.3

USB ports: 1x USB 3.0

Operating system: Windows 10 October 2018 update or later

Overview

Available Localizations and HP AMO Product Numbers

HP Reverb Virtual Reality Headset - Professional Edition

xxxxx#ABA

xxxxxx#ABB

xxxxx#UUF

Service and Support

1 year standard limited warranty. Optional Care Packs are available to extend your protection beyond the standard limited warranty. For details, visit <http://www.hp.com/go/cpc>.

Technical Specifications



HP Windows Mixed Reality Headset

Screen:	Dual LCD 2.89" diagonal with Pulse Backlight technology
Resolution:	2160 x 2160 pixels per eye (4320 x 2160 pixels combined). RGB sub-pixels
Refresh rate:	90 Hz with recommended system specs
Field of view:	~114 degrees, Fresnel-Aspherical
Tracking:	2 front-facing cameras
Sensors:	Windows Mixed Reality inside/out 6 DOF motion tracking, gyroscope, accelerometer, and magnetometer
Eye adjustments:	63mm +/- 8mm by software control
Connections:	DisplayPort™ 1.3, USB 3.0, stereo 3.5 mm headphone/mic jack
Cables:	One 3.5m 2-in-1 (DisplayPort™ 1.3 + USB 3.0) cable, and one 0.6m 2-in-1 (mini DisplayPort™ 1.3 + USB 3.0) cable. Full size DisplayPort™ to mini DisplayPort™ adapter
Mechanical ID:	Replaceable face cushions.
Dimensions (without straps):	2.17x6.97x3.31 in (55x177x84 mm)
Weight (without cable):	0.95lb (433g)

Technical Specifications



Windows Mixed Reality Controller

Sensors:	Windows Mixed Reality tracking, IMU, active LEDs
Connections:	Bluetooth®
Input:	multifunction touchpad, Menu button, Windows Start button, Grab button, Thumbstick (Teleport & Rotate), Trigger (Select)
Power:	Two AA batteries for each controller (included with solution)
Dimensions (WxDxH)	6 x 4.7 x 4.7 inch (152 x 120 x 120mm)
Weight (w/o cable)	0.38 lb (173g)

Tracked area requirements

Standing / seated:	No minimum space requirements
Room-scale:	2m x 1.5m min., 5m x 5m max.

Summary of Changes

Date of change:	Version History:		Description of change:
	From v1 to v2		

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