WORLD'S MOST INTELLIGENT VR HEADSET[3]

HP REVERB G2 OMNICEPT EDITION

+ EYE TRACKING

+ HEART RATE

+ FACE CAMERA

SMOKY HILL
EDUCATION
Service Center

Twotrees®

HP

SOFTWARE DEVELOPMENT UNLEASHED

Must be paired with an HP Reverb G2 Omnicept Edition VR headset

CORE	ACADEMIC	DEVELOPER	ENTERPRISE
Sensor data SDK for HP Reverb G2 Omnicept Edition	*Complete HP Omnicept SDK for students and educators*	*Complete HP Omnicept SDK for VR application developers*	*Complete HP Omnicept SDK for integration into enterprise internal solutions*
Free access to raw data including eye tracking, pupillometry, PPG sensor, and face expression **No Cognitive Load or HP Spatial Audio**	Free access to raw data and the inference engine SDK **(Cognitive Load) for educational use**	Access to sensor data and inference engine SDK (Cognitive Load) **for 2% revenue share**	Access to raw data and inference engine SDK (Cognitive Load) **for one-time developer and annual or monthly run-time licenses**
Available across **68 countries**	Available in **select countries***	Available in **select countries***	Available in **select countries***
Free to download	**30 Day Trial**[7]	**30 Day Trial**[7]	**30 Day Trial**[7]
Online self support	Online self support	Online Gold Priority	Online Gold Priority (with Enterprise Service Pack)

*Select Countries: USA, Canada, UK, Germany, France, Italy, Spain, Netherlands, and Australia

VR READY

24/7 RELIABILITY + GLOBAL AVAILABILITY

Twotrees®

Head-mounted displays (HMD)	Mobiles	Desktops	Displays

NEW IN 2020
HP Reverb G2

HP Reverb G2 VR Headset

HP Reverb G2 Omnicept Edition

TETHERED EXPERIENCES

HP Zbook Fury 15

HP ZBook Fury 17

HP ZBook Create & Studio

HP Z2 Tower

HP Z4

HP Z6

HP Z8

ENTRY → → **PERFORMANCE**

HP Z24nf Display

HP Z27n Display

HP Z38c Display

Tethered HMDs deliver **consistent and reliable experiences** driven by high performance graphics, powering interactive, realistic immersion.

Get the performance of a desktop with the **freedom** of a laptop.

Security features for data, device, and identity include HP Sure Sense and a self-healing BIOS.

Reliability for mission critical environments, with a choice of Intel® Xeon® processors and ECC memory for added stability.

Manageability solutions help reduce complexity and PC lifecycle cost, including the HP Manageability Integration Kit.

HP Z Displays offer **consistent color** and perfect performance. Choose from a wide selection of factory calibrated displays that deliver reliable color consistency and versatile connectivity options.

Contact Casey Schunn for more information - cschunn@twotrees.com - 316-634-4315

Overview

HP Reverb G2 Virtual Reality Headset

Introduction

Realistic visuals. Immersive soundscapes. Superb tracking and performance. Developed in collaboration with Valve and Microsoft, our breakthrough headset delivers a more immersive experience.[1] Ergonomically designed for comfort. Optimized for compatibility. Introducing the new standard in VR.

Important note: HP Reverb G2 Virtual Reality Headset is not recommended for children under the age of 13. All users should read the HP Reverb G2 Virtual Reality Headset 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 May 2019 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: https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA7-6063ENW

[1] Compared to HP Reverb G1 HMD.

Key Features and Benefits

- Get more clarity over the previous gen with new lenses designed by Valve. And, interpupillary distance (IPD) adjustment allows you to adapt with the width of lenses – so you get a perfect fit.
- With four cameras and internal sensors for position detection, you can now track more of your arm movement. Jump right into virtual reality without additional peripherals.
- Immerse yourself in ultra sharp visuals with mura-free, 2160 x 2160 LCD panels per eye and full RGB stripe.
- Looking for access across all VR content? With compatibility across both SteamVR & Windows Mixed Reality,[1] access to everything VR is within reach. All with quick & painless setup.
- Connecting directly to the headset, our new and improved 6 meter cable is thinner, lighter and longer than ever, allowing for more room to move freely.
- With a smaller and more ergonomic design, our controllers are more natural and comfortable to hold onto. Plus, get superb tracking performance with integrated Bluetooth® connection.
- Get a high-quality audio experience with industry-leading Valve speakers. They sit off the ear by 10mm, allowing you to have a more comfortable fit.
- Increased cushion size allows for even weight distribution. Flex material and magnetic detachability provide a custom fit, no matter your face shape or size.

[1] Windows Mixed Reality requires Windows 10 May 2019 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: https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA7-6063ENW

In The Box

- HP Reverb G2 Virtual Reality Headset
- 6m headset cable for desktop and mobile PC's
- Power adapter
- 2 motion controllers
- 1 DisplayPort to mini-DisplayPort™ adapter
- USB-C® to A adapter
- Setup document
- 1 year limited warranty

Recommended minimum workstation specifications

Cards that typically run Reverb at full resolution:
- Consumer
  - NVIDIA® GeForce® GTX 1080, NVIDIA® GeForce® GTX 1080 Ti
  - NVIDIA® GeForce® RTX 2060 SUPER, NVIDIA® GeForce® RTX 2070, NVIDIA® GeForce® RTX 2070 SUPER, NVIDIA® GeForce® RTX 2080, NVIDIA® GeForce® RTX 2080 SUPER, NVIDIA® GeForce® 2080 Ti
  - NVIDIA® GeForce® RTX 3070, NVIDIA® GeForce® RTX 3080, NVIDIA® GeForce® RTX 3090
  - AMD Radeon™ RX 5700, AMD Radeon™ RX 5700 XT, AMD Radeon™ 7, AMD Radeon™ RX 6800 XT, AMD Radeon™ RX 6900 XT
- Workstation
  - NVIDIA® Quadro® P5200
  - NVIDIA® Quadro® RTX 4000, NVIDIA® Quadro® RTX 5000, NVIDIA® Quadro® RTX 6000, NVIDIA® Quadro® RTX 8000
  - NVIDIA RTX™ A4000, NVIDIA RTX™ A5000, NVIDIA RTX™ A6000
  - AMD Radeon™ Pro WX 8200, AMD Radeon™ Pro WX 9200, AMD Radeon™ Pro WX 9100
  - AMD Radeon™ Pro W5700

Cards that typically run Reverb at half resolution:

QuickSpecs

Overview

- Consumer
    - NVIDIA® GeForce® GTX 1060, NVIDIA® GeForce® GTX 1660, NVIDIA® GeForce® GTX 1660ti, NVIDIA® GeForce® GTX 1070
    - NVIDIA® GeForce® RTX 2060
    - AMD Radeon™ RX 580, AMD Radeon™ RX 5500XT, AMD Radeon™ RX 590, AMD Radeon™ RX 5600 XT, AMD Radeon™ RX Vega[56], AMD Radeon™ RX Vega[64]
- Workstation
    - NVIDIA® Quadro® P3200, NVIDIA® Quadro® P4000, NVIDIA® Quadro® P4200, NVIDIA® Quadro® P5000
    - NVIDIA® Quadro® RTX 3000
    - AMD Radeon™ Pro WX 7100

Processor: Intel® Core™ i5, i7, Intel® Xeon® E3-1240 v5, equivalent or better. AMD Ryzen 5 equivalent or better
Memory: 8 GB RAM or more
Video out: DisplayPort™ 1.3
USB ports: 1x USB 3.0 Type C®
Power: Included power adapter
Operating system: Windows 10 May 2019 update or later - Significant improvements have been added to the Windows Mixed Reality platform to optimize for the visual quality of this device. For the best performance, please ensure you have the latest updates from Windows 10: version 1903/1909 (KB4577062 or later) or 2004 (KB4577063 or later).

Available Localizations and HP AMO Product Numbers

HP Reverb G2 Virtual Reality Headset	1N0T5AA	1G5U1AA#ABA	1G5U2AA#AB2
HP Reverb G2 Virtual Reality Headset w/no controllers	1N0T4AA		

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 Reverb G2 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 and 2 side-facing cameras
Sensors:	HP Reverb G2 inside/out 6 DOF motion tracking, gyroscope, accelerometer, and magnetometer
Eye adjustments:	64mm +/- 4mm by hardware slider
Connections:	DisplayPort™ 1.3, USB 3.0 type C, power adapter
Cables:	One 6m 2-in-1 (DisplayPort™ 1.3 + USB 3.0 Type C®) cable, and one power adapter required. Mini DisplayPort™ to Full size DisplayPort™ adapter, and USB-C® to A adapter
Mechanical ID:	Replaceable face cushions.
Dimensions (without straps):	2.95x7.32x3.31in (75x186x84 mm)
Weight :	1.2lb (550g)

Technical Specifications

HP Reverb G2 Controllers

Sensors:	HP Reverb G2 tracking, IMU, active LEDs
Connections:	Bluetooth®
Inputs:	A&B (right) or X&Y(left) buttons, menu button, Windows button, analog grip, analog trigger, thumbstick, pairing button (prepaired to HMD)
Power:	Two AA batteries per controller (included in box)
Dimensions (WxDxH)	2.6x5x4.7in (66x129x119mm)
Weight (w/o cable)	0.37lbs (167g)

Tracked area requirements

Standing / seated:	No minimum space requirements

Options and Accessories (sold separately and availability may vary by country)

Option Type	Description	Part Number
Controllers	HP Reverb G2 Controller Pair NA LA	22J70AA
	HP Reverb G2 Controller Pair China	22J71AA
	HP Reverb G2 Controller Pair EMEA and AP	22J72AA

Summary of Changes

Date of change:	Version History:		Description of change:
September 23, 2020	From v1 to v2	Changed	Format
December 11, 2020	From v2 to v3	Changed	Format
March 9, 2021	From v3 to v4	Changed	Recommended minimum workstation specifications section
March 26, 2021	From v4 to v5	Changed	Recommended minimum workstation specifications section
May 11, 2021	From v5 to v6	Changed	Recommended minimum workstation specifications section