



HP Windows Mixed Reality Headset VR1000-100 with Controllers



Stunning immersive computing is now within reach

Dive into the world of mixed reality and blur the line between real and digital. The HP Mixed Reality Headset with Controllers puts the magic of immersive computing within reach.⁽⁴⁾

Product overview

- **Seamless setup:** With integrated motion tracking, a 2-in-1 cable that pairs HDMI 2.0 and USB 3.0, and compatibility with both Windows Mixed Reality and Windows Mixed Reality Ultra PCs, you go from out-of-the-box to total immersion without the hassle of setting up additional peripherals.
- **Immersion without boundaries:** Get ready for a truly immersive experience thanks to 1440 x 1440 resolution per eye and up to a 90Hz refresh rate.⁽¹⁾ Plus, liberate your movement with six degrees of freedom, no tracking boundaries, and included wireless motion controllers.
- **Incredibly comfortable:** The perfect combination of comfort and convenience, this headset uses a double-padded headband, easy adjustment knob, and front-hinged display for a superb experience even after extended wear.⁽⁵⁾

Technical specifications

- **Display size:** 2.89 in diagonal (x2)
- **Display resolution:** Per eye: 1440 x 1440; Combined: 2880 x 1440
- **Display refresh rate:** 90Hz when paired to HDMI 2.0 port; 60Hz when paired to HDMI 1.4 port
- **Field of view:** 95 degrees horizontal (Fresnel-Aspherical)
- **Tracking cameras:** 2 front-facing cameras
- **Audio input/output:** 3.5mm combo audio jack

Additional information

- **UPC:** 191628635290
- **Product number:** 2HJ34AA#ABA
- **On ad date:** 10/17/2017
- **Unpackaged dimensions:** Headset: 6.93 in (L) x 13.34 in (W) x 5.03 in (H) approx., Controller: 6.01 in (L) x 4.69 in (W) x 4.69 in (H) approx.
- **Packaged dimensions:** 12.68 in (L) x 11.54 in (W) x 8.78 in (H) approx.
- **Unpackaged weight:** Headset: 1.84 lb approx., Controller: 0.38 lb approx.
- **Packaged weight:** 4.41 lb approx.
- **Pallet dimensions:** 47.24 in (L/D) x 39.37 in (W) x 84.13 in (H) approx.
- **Pallet weight:** 508.20 lb approx.
- **Layers per pallet:** 9
- **Products per layer:** 12
- **Total products per pallet:** 108

Warranty and support

- **Peace-of-mind coverage:** Rest easy with an HP standard one-year limited warranty.

System requirements (Windows Mixed Reality PCs)⁽⁶⁾

- **Operating system:** Windows 10 Fall Creators Update (RS3) - Home, Pro, Business, Education⁽²⁾
- **Processor:** Intel® Core™ i5 7200U (7th generation mobile), dual core with Intel® Hyper-Threading Technology enabled (or better)^{(3)(3a)}
- **PC graphics:** Integrated Intel® HD Graphics 620 (or greater)⁽⁷⁾ DX12-capable integrated GPU
- **Drivers:** Windows Display Driver Model (WDDM) 2.2 (7/24/2017 or later)
- **Memory:** 8GB DDR3 dual channel (or better)
- **Display:** Connected external or integrated VGA (800x600) display (or better)
- **HMD connectors:** HDMI 1.4 or Display Port 1.2 for 60 Hz HMD Mode
1 x available graphics display port for HMD
- **Storage:** >10 GB additional free space
- **USB connectivity:** 1 available USB 3.0 Type-A or Type-C™
- **Bluetooth®:** Bluetooth® 4.0 (for accessory connectivity)
- **Expected headset framerate:** 60Hz

System requirements (Windows Mixed Reality Ultra PCs)⁽⁶⁾

- **Operating system:** Windows 10 Fall Creators Update (RS3) - Home, Pro, Business, Education⁽²⁾
- **Processor:** Intel® Core i5 4590 (4th generation), quad core (or better)^{(3)(3a)} AMD Ryzen 5 1400 3.4Ghz (desktop), quad core (or better)^{(3)(3a)}
- **PC graphics:** NVIDIA GTX 960/965M/1050 (or greater) DX12-capable discrete GPU
AMD RX 460 (or greater) DX12-capable discrete GPU
GPU must be hosted in a PCIe 3.0 x4+ Link slot
- **Drivers:** Windows Display Driver Model (WDDM) 2.2 (7/17/2017 or later)
- **Memory:** 8GB DDR3 (or better)
- **Display:** Connected external or integrated VGA (800x600) display (or better)
- **HMD connectors:** HDMI 2.0 or Display Port 1.2 for 90 Hz HMD Mode
1 x available graphics display port for HMD
- **Storage:** >10 GB additional free space
- **USB connectivity:** 1 available USB 3.0 Type-A or Type-C™
- **Bluetooth®:** Bluetooth® 4.0 (for accessory connectivity)
- **Expected headset framerate:** 90Hz

⁽¹⁾ All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. ⁽²⁾ Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.windows.com>. ⁽³⁾ Multi-core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. ^(3a) Intel's numbering is not a measurement of higher performance. ^(3b) AMD's numbering is not a measurement of clock speed. ⁽⁴⁾ HP Mixed Reality Headset is not for children under the age of 13. All users should read the HP MR 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. This is a development version and intended for developers only. By purchasing you also agree to the software license agreement here: https://www.microsoft.com/en-us/Useterms/OEM/Windows/10Mobile/UseTerms_OEM_Windows_10Mobile_English.htm

⁽⁵⁾ Extended wear only recommended with frequent use of the front-hinged display in the up position. See users guide for more information. ⁽⁶⁾ System recommendations are intended to provide hardware guidance to software developers who may need additional computing power and are above the minimum hardware requirements. ⁽⁷⁾ Shared video memory (UMA) uses part of the total system memory for video performance. System memory dedicated to video performance is not available for other use by other programs. Actual product may vary from image shown. © Copyright 2017 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing shall be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. Intel, and Core are trademarks of Intel Corporation in the U.S. and/or other countries. NVIDIA and GeForce are trademarks or registered trademarks of NVIDIA Corporation in the U.S. and other countries. Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license. AMD, Radeon and Ryzen are trademarks of Advanced Micro Devices, Inc. Intel, Intel Core, and Intel logo are trademarks of Intel Corporation in the U.S. and other countries