

Headsets

This is a good reference website for the specs of a variety of headsets: <https://vr-compare.com/>

- [Oculus Quest 1](#)
 - [Specs & Basic Capabilities](#)
- [Oculus Quest 2](#)
 - [Specs & Basic Capabilities](#)
- [Oculus Rift S](#)
 - [Specs & Basic Capabilities](#)
 - [Oculus Rift/Link Login Error](#)
- [Pico Neo 3 Eye](#)
 - [Specs & Basic Capabilities](#)
- [Magic Leap](#)
 - [Specs & Basic Capabilities](#)

Oculus Quest 1

Oculus Quest 1

Specs & Basic Capabilities

Controllers: Oculus Touch Controllers (2)

Tethered?: Optional

Lighthouses?: No

Tracking: Inside-Out, 6DOF

Display panel: Dual OLED 1600x1440

Resolution (per eye): 1440 × 1600

Refresh rate: 72 Hz

Audio: Integrated positional audio

Storage: 64GB

Processor: Qualcomm Snapdragon 835 system-on-chip

Usage modes: Seated, standing, and room scale

<https://developer.oculus.com/resources/oculus-device-specs/>

Oculus Quest 2

Oculus Quest 2

Specs & Basic Capabilities

Controllers: Oculus Touch Controllers (2)

Tethered?: Optional

Lighthouses?: No

Tracking: Inside-Out, 6DOF

Display panel: Fast-switch LCD

Resolution (per eye): 1832 x 1920

Refresh rate: 60, 72, 90 Hz supported

Audio: Integrated positional audio

Storage: 128GB

Processor: Qualcomm® Snapdragon™ XR2 Platform

Usage modes: Seated, standing, and room scale

<https://developer.oculus.com/resources/oculus-device-specs/>

Oculus Rift S

Oculus Rift S

Specs & Basic Capabilities

Controllers: 2 x Oculus Touch (second generation)

Tethered?: Yes

Lighthouses?: No

Tracking: Inside-Out, 6 DOF

Display panel: Single LCD

Resolution (per eye): 1280x1440

Refresh rate: 80 Hz

Audio: Integrated Stereo Speakers

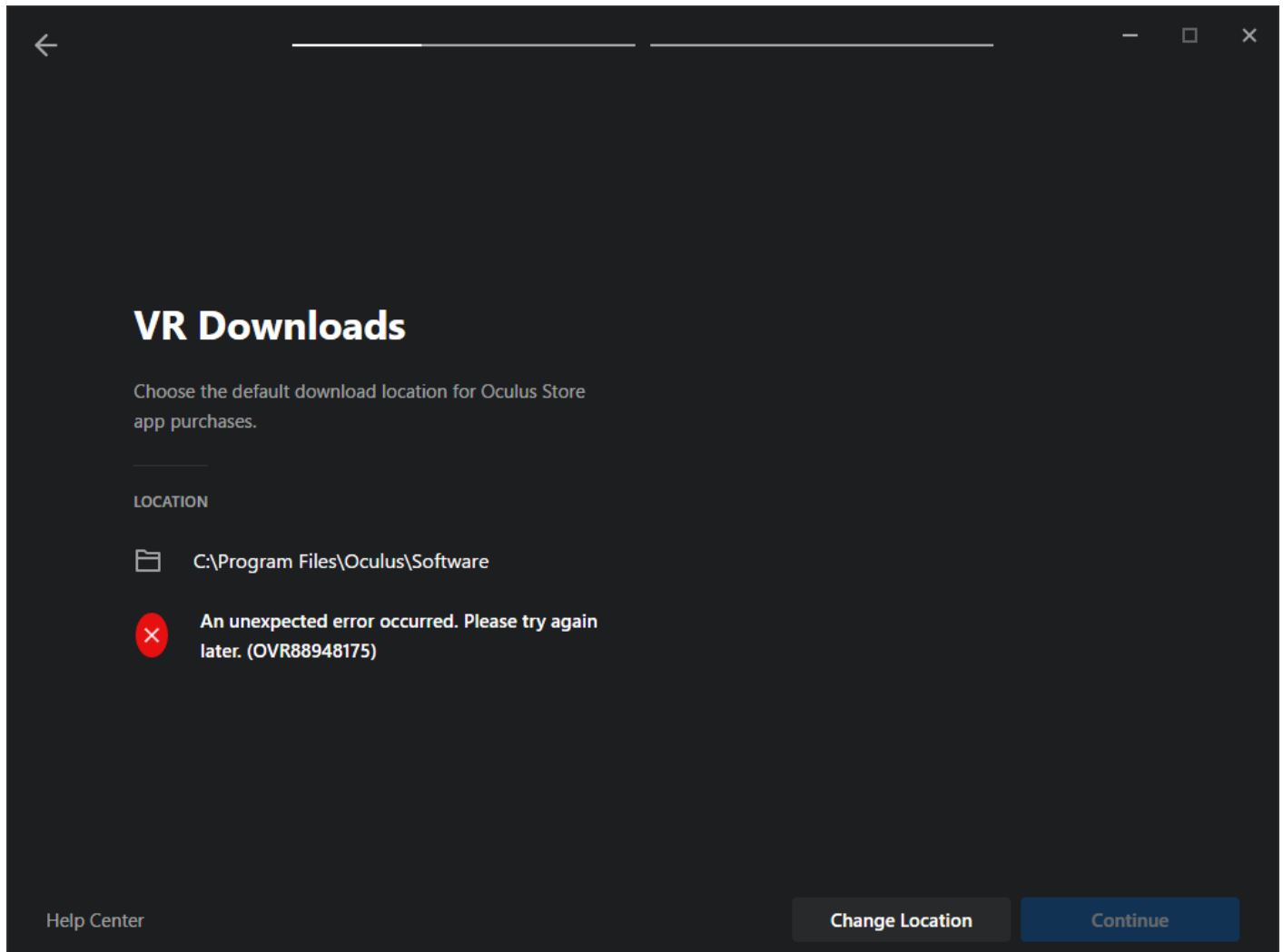
Storage: Dependent on computer

Processor: Dependent on computer

Usage modes: Seating, standing

Oculus Rift/Link Login Error

If you are having the following issue that looks like the following:



Close the software.

Open a windows command prompt from the start menu (or search). Copy the following line below and paste into the command prompt, then press enter.

```
REG ADD "HKCU\Software\Oculus VR, LLC\Oculus\Libraries"
```

Reopen Oculus software and verify you can move forward with setup.

Pico Neo 3 Eye

Pico Neo 3 Eye

Specs & Basic Capabilities

Controllers: 2 x Pico Neo 3 Controller

Tethered?: Optional

Lighthouses?: No

Tracking: Inside-Out, 6 DOF

Display panel: Single LCD

Resolution (per eye): 1832x1920

Refresh rate: 90 Hz

Audio: Integrated stereo speakers

Storage: 128 GB

Processor:

Chipset Qualcomm Snapdragon XR2

CPU Octa-core Kryo 585 (1 x 2.84 GHz, 3 x 2.42 GHz, 4 x 1.8 GHz)

GPU Adreno 650

Usage modes: Sitting, standing, room scale

Magic Leap

Magic Leap

Specs & Basic Capabilities

Controllers: 1 x Magic Leap Controller

Tethered?: Optional

Lighthouses?: No

Tracking: Inside-Out, 6 DOF

Display panel: Waveguide Display

Resolution (per eye): 1280x960

Refresh rate: 122 Hz

Audio: Integrated Stereo Speakers

Storage: 128 GB (approximately 95 GB available to applications)

Processor: NVIDIA® Parker SOC CPU: 2 Denver 2.0 64-bit cores + 4 ARM Cortex A57 64-bit cores (2 A57's and 1 Denver accessible to applications) GPU: NVIDIA Pascal™, 256 CUDA cores Graphic APIs: OpenGL 4.5, Vulkan, OpenGL ES 3.3+

Usage modes: Seated, standing, and room scale

<https://developer.magicleap.com/en-us/learn/guides/magic-leap-one-hardware-specifications>