**Visual Impairment Simulator**

***Release 3.0*  
21 November 2018**

Visual Impairment Simulator is tool for people who want to experience what it's like to have a visual impairment. Using a Daydream headset, the user can experience visual impairments in an augmented reality.

# Requirements

* Requires Android 7.1 or higher
* Daydream Headset and Controller
* Daydream Ready Phone

# Compatible Phones

Compatible with any phone with the Daydream Application installed. For more information visit: <https://vr.google.com/daydream/smartphonevr/phones/>

Current Daydream-Ready Phones:

* [Google Pixel](https://www.androidauthority.com/google-pixel-review-deep-dive-729702/)
* [Google Pixel XL](https://www.androidauthority.com/google-pixel-xl-review-720243/)
* [ZTE Axon 7](https://www.androidauthority.com/zte-axon-7-review-704039/)
* [ASUS ZenFone 3 Deluxe](https://www.androidauthority.com/asus-zenfone-3-deluxe-ultra-hands-695730/)
* [Motorola Moto Z](https://www.androidauthority.com/moto-z-moto-z-force-droid-review-704717/)
* [Motorola Moto Z Force](https://www.androidauthority.com/moto-z-moto-z-force-droid-review-704717/)
* [Motorola Moto Z2 Force](https://www.androidauthority.com/moto-z2-force-review-790059/)
* [Huawei Mate 9 Pro](https://www.androidauthority.com/huawei-mate-9-pro-porsche-designmate-9-daydream-741463/)
* [Porsche Design Mate 9](https://www.androidauthority.com/huawei-mate-9-review-726419/)
* [ASUS ZenFone AR](https://www.androidauthority.com/asus-zenfone-ar-using-google-tango-791407/)
* [Samsung Galaxy S8](https://www.androidauthority.com/samsung-galaxy-s8-plus-review-760314/)
* [Samsung Galaxy S8 Plus](https://www.androidauthority.com/samsung-galaxy-s8-plus-review-760314/)
* [Samsung Galaxy Note 8](https://www.androidauthority.com/samsung-galaxy-note-8-review-795053/)
* [LG V30](https://www.androidauthority.com/lg-v30-review-797089/)
* [Google Pixel 2](https://www.androidauthority.com/google-pixel-2-xl-review-805069/)
* [Google Pixel 2 XL](https://www.androidauthority.com/google-pixel-2-xl-review-805069/)
* [Motorola Moto Z2 Force](https://www.androidauthority.com/moto-z2-force-review-790059/)
* [LG V30/V30 Plus](https://www.androidauthority.com/lg-v30-review-797089/)
* [Samsung Galaxy S9](http://www.trustedreviews.com/reviews/samsung-galaxy-s9)
* [Samsung Galaxy S9 Plus](http://www.trustedreviews.com/reviews/samsung-galaxy-s9)
* [Samsung Galaxy Note 9](https://www.androidauthority.com/samsung-galaxy-note-9-851366/)

# Release notes

* Updated to work with Daydream Headset
* Updated Instructions screen
* Can now pair with Daydream Controller
* Daydream Controller now controls the application

# Instructions

Start the application. Follow instructions to turn on Daydream Controller. If Controller is not synced with phone, click the Bluetooth button to start Controller sync. If it is synced, follow animation instructions to launch into Visual Impairment Simulation.

Place the phone into the Daydream Headset and strap the headset on your head.

You can now look around as if you are in a new location.

Press the top button on the controller, you will now have a minor visual impairment.

Keep pressing the top button, and the impairment will get gradually worse.

When the location changes, press the button to experience a new visual impairment.

Repeat these steps until all impairments are completed.

# Known Problems

* Ability to go backwards not working
* If controller isn’t up to date it will not sync. Daydream application needs to be launched.