USER'S GUIDE

Reading Power App

Introduction

To use the Reader Power App, the user should position himself in a typical reading position, holding the device at a comfortable distance. This distance may vary depending on the user. Thus, Reader Power App was made to deal with different reading distances, depending on the reading distance chosen by the user.

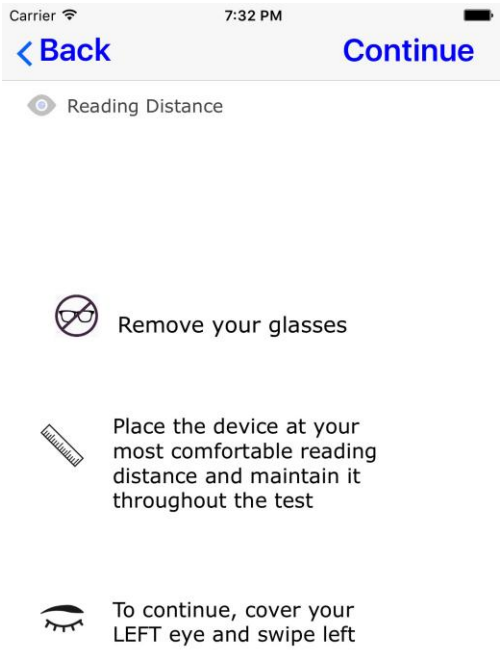
Reader Power App obtains the reading power for different reading situations: for a Close Distance Vision (to read close to the eyes), a Reading Distance Vision (to read a book, for example) or an Intermediate Distance Vision (to read text on a display, for example).

Since the goal is to obtain the reading power for near vision, it is important that **the user removes his/her glasses**, in the case he/she is wearing them.

Splash Screen

The user opens the App and selects the gender. Go to the next screen.

Instructions screen

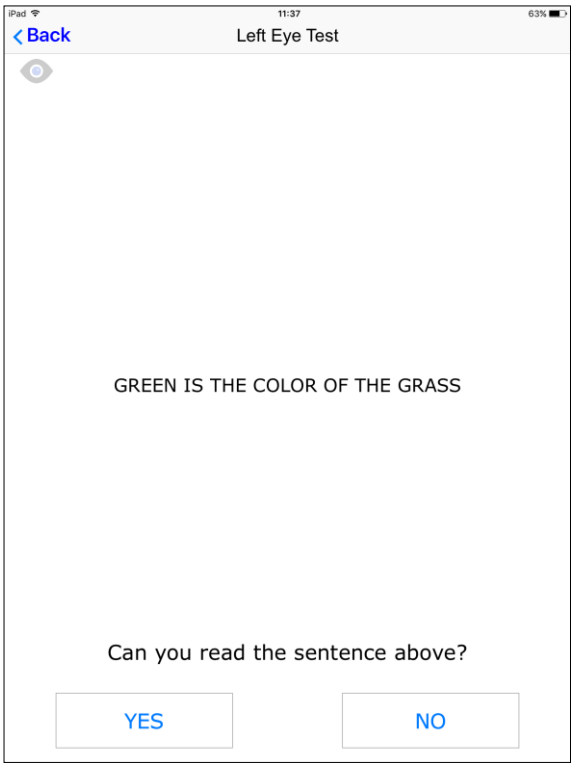


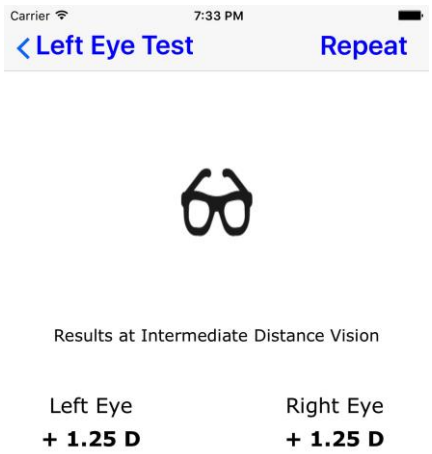
It is explained to the user that he/she should position himself in a typical reading position, holding the device at a comfortable distance. He/she should keep the device at the **exact same distance throughout the entire test**. The test is performed independently for each eye, so at this point the user must close his/her left eye. The test will afterwards be repeated for the right eye.

Right/Left Eye Test

In the beginning of the test, the Right Eye is tested. A sentence between 5 and 10 words is drawn on the screen and the user should say if he/she can read it. The height of the letters is given by our algorithm and depends on the distance between the user and the device. The user should press a button indicating if he/she is able to read the sentence. **Remember that the device must be kept at the same distance.** In the case the user is able to read it, the user chooses YES and the test for that eye is concluded. Otherwise, the user chooses NO and a new sentence will appear with the letters having an increased size. The reading power will depend on the size of the first sentence the user is able to read clearly.

As soon as the user is able to read a sentence, then the test is concluded for that eye. Now, the user must switch eyes and repeat the test for the Left Eye.



Final Screen

In the end of the test, a results screen shows the necessary reading power for both eyes, for the distance chosen by the user.