Robo WordQuest Installation Guide

Robo WordQuest is a 3D virtual environment literacy game where you join Captain Rusty, the robo-dog, exploring different dimensions of a virtual world to gather energy cells to repair your crashed spaceship. Collect 250+ items and achievements across three dimensions by exploration and completion of literacy exercises related to punctuation use and paragraph construction.

The Robo WordQuest End User License Agreement (EULA) is available at
http://dice.newcastle.edu.au/robowordquest/RWQ_EULA.pdf

Robo WordQuest is available for free download from http://dice.newcastle.edu.au/robowordquest/ and the Apple iTunes App Store and Google Play. It is also available in beta/demo releases for the following platforms:

Desktop

The PC desktop version of Robo WordQuest is very much (an unsupported) beta version and is more a demonstration of the power of the Unreal Engine 4 develop-once-deploy-many approach than a final product. NB. The use of the mouse can be tricky. Press the escape key to set the mouse sensitivity, adjust the music volume and quit the game.

Windows 10:
1) Download and unzip RoboWordQuestPC.zip onto your computer.
2) Install the latest version of Direct X onto your computer (https://www.microsoft.com/en-au/download/details.aspx?id=35)
3) Unzip the RoboWordQuest archive and double click on RoboWordQuest.exe

Immersive (Head-Mounted Display) Mode

Experiences in virtual environment using head-mounted displays can be very intense and can impact people in different ways. It can be best to start with limited duration sessions, e.g. 10-15 minutes only. Also please ensure you have read the health and safety information provided with your Oculus hardware before use. See
https://www.oculus.com/legal/health-and-safety-warnings/

The immersive versions of Robo WordQuest are very much beta (and unsupported) versions and are more demonstrations of the use of immersive technology for the game than a final product. We are aware that the training videos do not work in immersive mode. The training videos are available on our YouTube site at:

- https://www.youtube.com/results?search_query=robo+wordquest
- https://www.youtube.com/channel/UCtkUkXoitrPmsfxgXU02UBA

Oculus Go:

1) Download and install the Oculus Go companion app.
2) Download and unzip RoboWordQuestGO.zip onto your computer.
3) On your Oculus Go companion app make sure that your Oculus Go is switched on.
4) Through the companion app, click on Settings and select your paired Oculus Go device, then click on More Settings, then Developer Mode. Switch developer mode to "on".
5) Download the command line tools for Android from https://developer.android.com/studio/

Command line tools only

If you do not need Android Studio, you can download the basic Android command line tools below. You can use the included `sdkmanager` to download other SDK packages.

These tools are included in Android Studio.

Platform	SDK tools package	Size	SHA-256 checksum
Windows	sdk-tools-windows-4333796.zip	149 MB	7e81d69c303e47a4f0e748a6352d85cd0c8fd90a5a95ae4e076b5e5f960d3c7a
Mac	sdk-tools-darwin-4333796.zip	98 MB	ecb29358bc0f13d7c2fa0f9290135a5b608e38434aad9bf7067d0252c160853e
Linux	sdk-tools-linux-4333796.zip	147 MB	92ffee5a1d98d856634e8b71132e8a95d96c83a63fde1099be3d86df3106def9

See the SDK tools release notes.

6) Unzip the downloaded command line tools and move RoboWordQuest_VR.apk into that folder.
7) Connect your Oculus Go to your computer via the USB cable.
8) Open the command line on your computer.
9) Change the directory that your command line is on to the directory of the command line tools.
10) Input this command: "adb install RoboWordQuest_VR.apk". This will begin the installation process.
11) When the installation process is done, put on your Oculus Go and click on Library -> Unknown Sources and click on Robo WordQuest_VR.apk. This will start the app up.

Oculus Rift/Touch:

1) Ensure you have installed and configured an Oculus Rift with Touch controllers on your computer.
2) Download and unzip RoboWordQuestVR.zip onto your computer.
3) Install the latest version of Direct X onto your computer (https://www.microsoft.com/en-au/download/details.aspx?id=35)
4) Double click on RoboWordQuestVR.exe