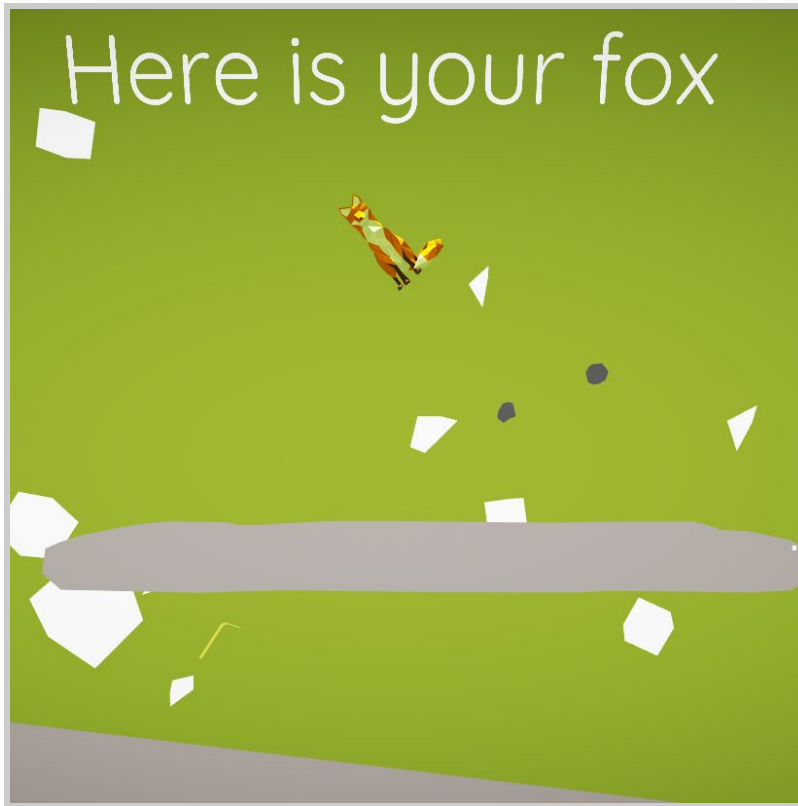


# QuietVR Version 2.0 Manual

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For a full documentation and contact information, please go to <https://github.com/diglungdig/QuietVR>

Email to [purduepvc@gmail.com](mailto:purduepvc@gmail.com) for inquiry.

## What is QuietVR?

QuietVR is an experimental demo of VR interaction via voice input. It connects audio recognition interfaces with Google's newly introduced [Poly Api](#).

## Environment Setup

Currently QuietVR can only be run on Windows. MacOS is not supported.

QuietVR uses Windows' speech recognition feature. [To enable it on your OS, go to Speech, inking & typing on your Windows 10 Settings, then turn on speech services and typing suggestions.](#)

It's better to play this demo in a quiet environment. Otherwise gameplay will most likely be disrupted for game's solely relying on audio input. Make sure you have your audio recording device like microphone or headset set up before start the game.

## Game Mechanics

QuietVR currently has two modes and allows for two corresponding audio input behaviors.

### [Search Mode]:

Search Mode takes advantage of Windows Speech Recognition feature to communicate with Google's Poly server.

In this mode, you are given the option to request a 3D model via voice command.

To initialize requesting process,

1. Make sure you have your environment setup ready(See the above section).
2. Towards your microphone, say "Quiet"
3. Then, say a word representing an object you want to fetch from the server("Elephant", "Pizza", "Book", etc)
4. If the process succeeds, you should see your object pop in front of you.

### [Random Mode]:

Random mode is first introduced in QuietVR version 1.0(the OG mode so to speak :D). It uses **Keijiro Takahashi's Lasp**((Low-latency Audio Signal Processing plugin for Unity) to give responsive voice feedbacks to the user.

In this mode, you are given the option to...yell as long as you want. An object will be fetched after your voice falls off.

## Commends

1. To exit the game, press ESC on keyboard.
2. To switch between random mode and search mode, press Space on keyboard.
  - a. Under search mode, you have access to **Windows Speech Voice Recognition**
  - b. Under random mode, you have access to **Keijiro Takahashi's Lasp**