Mumble YouTube DJ Specification

# Introduction

Mumble is an open sourced VoIP software that is used by a large market of gamers that require high quality voice and low latencies to organise themselves for large events that require a different medium of communication that allows them to transverse information quickly and efficiently.

Several people use mumble for uses other than intended, such as acting as a DJ and streaming music to other mumble users. The most commonly used method to do this is to create a virtual audio cable and link the virtual audios input to a host computers audio output and the output to the host computers audio input. Thus rendering the host computer useless for any other audio task. This method also has a disadvantage as it has to be controlled by a human if requests are to be made.

Mumble YouTube DJ is a program aimed to automate the DJ over mumble process whiles keeping the host available for standard use. And now with the integration of OPUS audio codec in mumble 1.2.4, the audio quality of the music over VoIP can be close to standard MP3.

# Specification

## Audio Codec

* CELT support
* MP3 support
* OPUS support

## Human Interface

* Configuration file
* Controllable through website
* Controllable through mumble inbuilt chat system
* Controllable through host computer GUI

## Networking

* Download videos from YouTube
* Download audio from [www.listentoyoutube.com](http://www.listentoyoutube.com)
* Inbuilt virtual mumble client

## Operating System

* Linux
* Windows

## Resource Management

* Low CPU utilisation
* Prepare audio whenever possible

## Video Codec

* FLV support
* MP4 support