

**OCTOBER 2015**



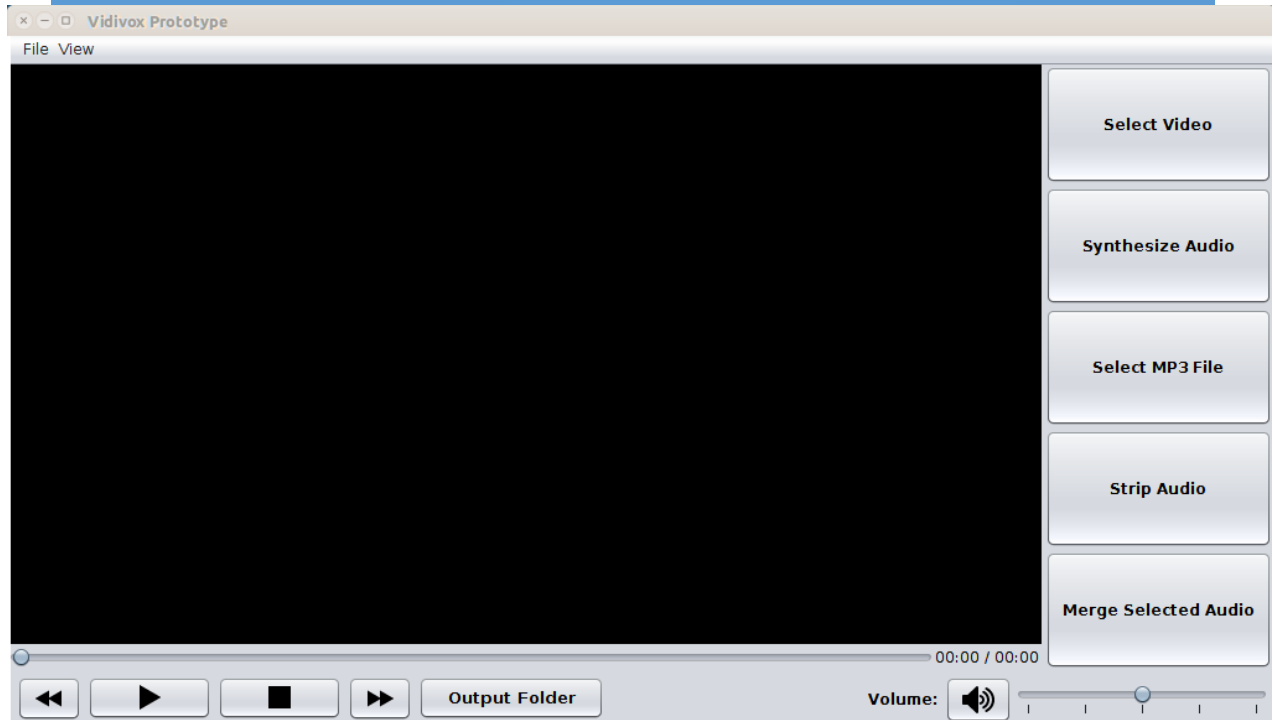
**VIDIVOX**  
**USER MANUAL**

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## The Vidivox Interface: How it should appear when run



### How to ensure the Vidivox Media Player runs successfully?

- The Java Runtime Environment used should ideally be 1.7 to ensure icons are successfully loaded into the program
- The "imgs" folder containing icons for the application should be present in the folder with the .jar file used to run Vidivox
- The user should be fully aware of the folder the jar file is located in as any files output by the program will be placed in a folder relative to this jar.
- The application should be run using the code **"java -jar VidivoxReleaseBC.jar"** given the terminal is currently set to the directory containing the jar file.

### Other Dependencies

- This application is designed to be run on Linux as it uses bash terminal coding
- This application requires Festival to be installed to generate text-to-speech MP3 files
- This application requires FFMPEG to be installed to allow audio to be added or removed from the video files
- This application requires VLC Media Player to be installed for the viewing of video files

### Compatible Files

- Video files must be .avi to be compatible with the editing functionality
- Video files of other types can be played normally by using the All Files option when browsing for a video however they will not be compatible with merging options.
- The audio files to be added are only officially supported as mp3 files but it is possible that other audio files may work as well.

## Basic Vidivox Functions: Standard Media Player

### How to select a video

#### Option 1:

1. Given the presence of the side panel select the “Select Video” button
2. Browse through the relevant directories in the file chooser to find a video
3. When the selection is confirmed the video will automatically load and start playing

#### Option 2:

1. If the side panel is hidden, use the File -> Select Video option in the menu bar
2. Proceed with Option 1 from Step 2.

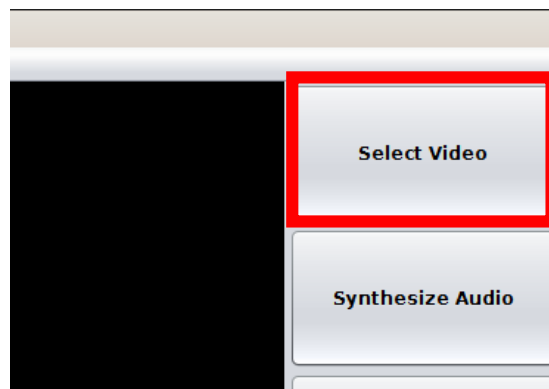


Figure 1 - Option 1: Select Video button in Side Panel

### How to hide the side panel

1. Click on the View menu
2. Select the “Toggle Side Panel” option
3. This will set the side panel to invisible, allowing the video to take up a greater space
4. Press this option again to re-enable the side panel

### How to resize the window or revert a resize of the window

1. Click on the View menu
  - a. To maximise the window, click the “Maximise Media Player” option
  - b. To reset the window to default size, click the “Default Window Size” option
2. These options will allow you to maximise the window for a greater viewing experience or reset the window back to the intended visual appearance after the window has been resized.

### How to quickly seek through the video

#### Option 1: Forward using Fast-Forward

1. Locate and press this button in the control panel while a video is selected
2. Press the button additional times to increase the rate the video moves forward
3. Press the ► button to return to regular 1.0x viewing speed



### Option 2: Backward using Rewind

1. Locate and press this button in the control panel while a video is selected
2. Press the button additional times to increase the rate the video moves backward
3. Press the ► button to return to regular viewing speed in the forward direction



### Option 3: Dragging the progress bar



1. Drag the small circular icon to the position in the video you wish to view from
2. This will move the video to that position and continue playing from that point as normal
3. Clicking on a position in the progress bar will move the slider a short distance toward the mouse, whereas dragging will move it there directly.

## How to mute the video or adjust the volume

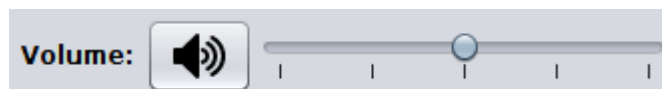
### Option 1: Toggle Mute



1. Locate this button on the bottom right of the control panel
2. Clicking this button will toggle the volume between muted and unmuted
3. When muted the button will have a slightly different appearance to show that it is muted

### Option 2: Change volume using the slider

1. Drag the slider shown below to adjust the volume
2. The far left of the slider represents 0% volume
3. The far right of the slider represents 200% volume
4. Default is in the centre which is 100% or standard volume



## Advanced Vidivox Functions: General

### Setting up the folder where files will be output

1. Click the "Output Folder" button
2. Input a new name for the output folder and confirm
3. The new folder is now where MP3 files and AVI video files will be output

## Advanced Vidivox Functions: Synthesizing Audio

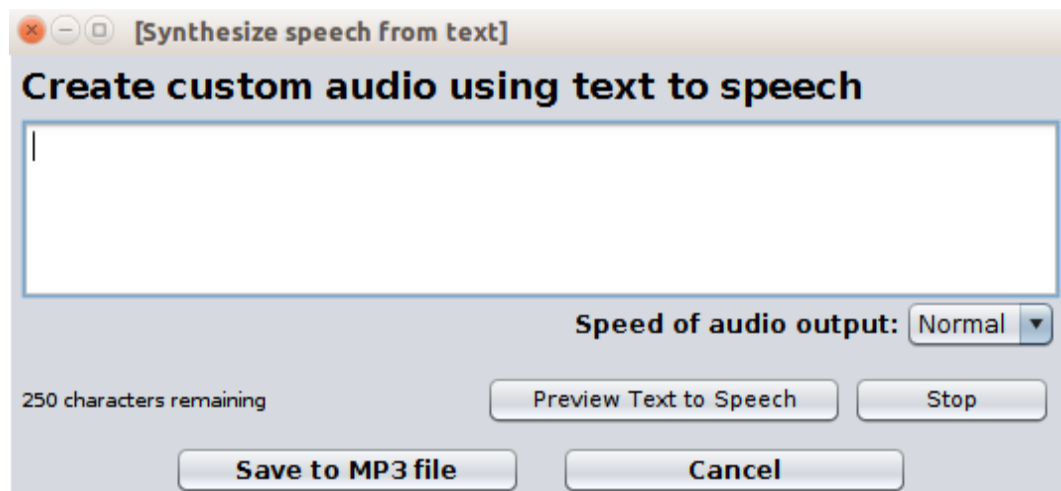
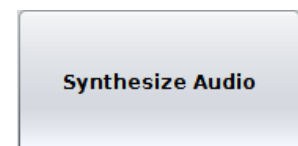


Figure 2 - Synthesize Audio window: Expected appearance

### How to access the functionality to synthesize speech

1. Use this button on the side bar
2. This button is accessible regardless of whether a video is selected



### How to preview the MP3 that will be output

1. Ensure text is entered into the text box which will be read out by the synthesized voice
2. Press the "Preview Text to Speech" button as shown above
3. To stop the preview, simply press the "Stop" button to the right of the Preview button
4. Stop can only be used to stop the most recent preview that has started.

### How to modify the speed of the synthesized audio

1. Refer to the drop down menu next to "Speed of audio output"
2. The default is "Normal" but "Fast" will increase speaking speed and "Slow" will decrease speaking speed
3. The speed will also be applied during the preview

### How to output the speech to an MP3 file

1. Ensure text is entered into the textbox which is what will be read out by the synthesized voice
2. [Optional] Select a speed of audio output to change the speed of the voice
3. Press the "Save to MP3 file" button
4. Type in a name for the MP3 file which will be saved to the default output folder
5. Alternatively press Cancel at any stage to back out and return to the media player.

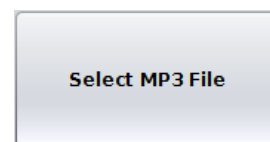
## Advanced Vidivox Functions: Adding Audio



Figure 3 - Add Audio window: Expected appearance

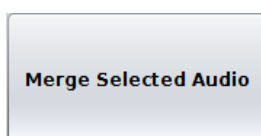
### How to access the functionality to add audio

1. Use this button on the side bar
2. This button is only accessible if a video is selected



### How to add an MP3 to the video

1. Press the “Browse” button to select an MP3 file
2. Confirm the file in the File Chooser and the path will be visible in the textbox shown to the left of browse
3. [Optional] Add audio later in the video -> See “How to add audio delayed into the video”
4. Press the Ok button to start up a preview of the audio alongside the video
5. To finalize the merge of the MP3 into the video file press this button



6. Select a name to output the merged video to the default output folder
7. The new video if successfully merged will auto-play in the media player

**Note:** Previewing audio is not compatible with the seeking options, Press the stop button to resync.

### How to add audio delayed into the video

1. While following the “How to add an MP3 to the video” before pressing Ok follow these steps
2. Select the checkbox after “Add audio at delayed position”
3. In the textbox which defaults to “00:00” enter a timestamp from the video of what position you wish the audio to start playing
4. [Optional] Use the “Current Video Position” button to automatically set the time to the position the video is up to
5. Proceed with “How to add an MP3 to the video” by pressing Ok

## Advanced Vidivox Functions: Removing Audio

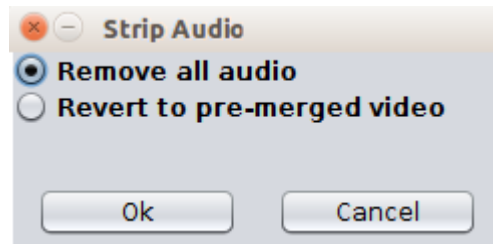
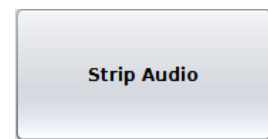


Figure 4 - Strip Audio window: Expected appearance

### How to access the functionality to remove audio

1. Use this button on the side bar
2. This button is only accessible if a video is selected



### How to remove all audio from a video

1. Simply leave the radio button on its default selection "Remove all audio"
2. Press the Ok button to proceed
3. Name the output file, please attach the valid extension (Most likely .avi) to the end of the name
4. The video will now auto play with no audio embedded in it

### How to revert back to the initially selected video when new audio has been merged

1. Change the radio button to the "Revert to pre-merged video" option
2. Press the Ok button to proceed
3. The originally selected video will now auto play and is now the selected video.