

# VAMIX – User Manual

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## First Time Launch

Thank you for choosing VAMIX. Before you launch VAMIX, please be aware that it is only compatible with UNIX/Linux operating systems and also required the avconv and avprobe feature of the Libav library to function correctly. Please visit: <http://www.libav.org/> for more details.

You can install this for free on your system by typing the terminal:

```
sudo apt-get install libav-tools
```

Upon first launch, the VAMIX application will create a folder "vamix" in your home directory containing two directories: "Input Library" and "Output Library".

## Main Library

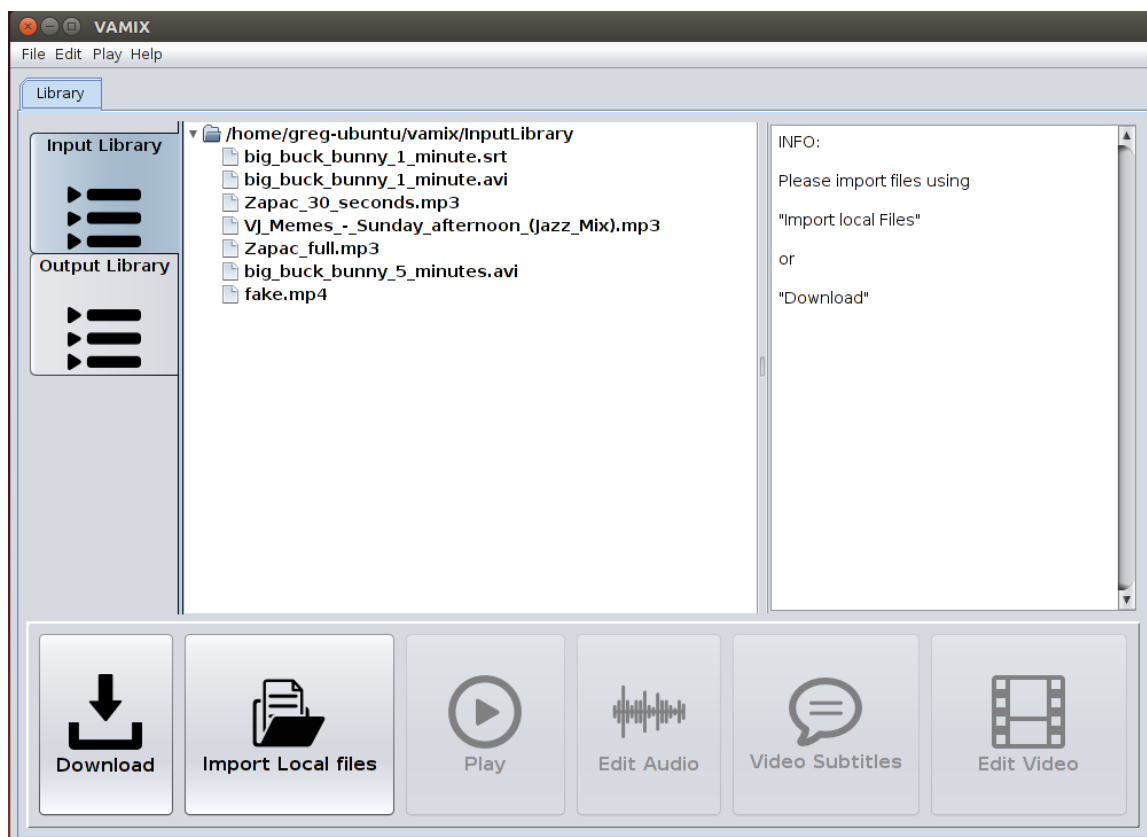


FIGURE 1: MAIN LIBRARY PANE

The main menu of the VAMIX application is the Library pane (Figure 1) which contains the file management system for the application. There are two tabs containing two different libraries: the input and output library.

- The input library is where the user can import and download files to edit or play.

- The output library is where all output files from the editing operations that VAMIX performs are placed in.

When you select a file, avprobe file details will be shown on the right panel about the duration, streams and other audio and/or video information about that file.

## Importing Local Files:

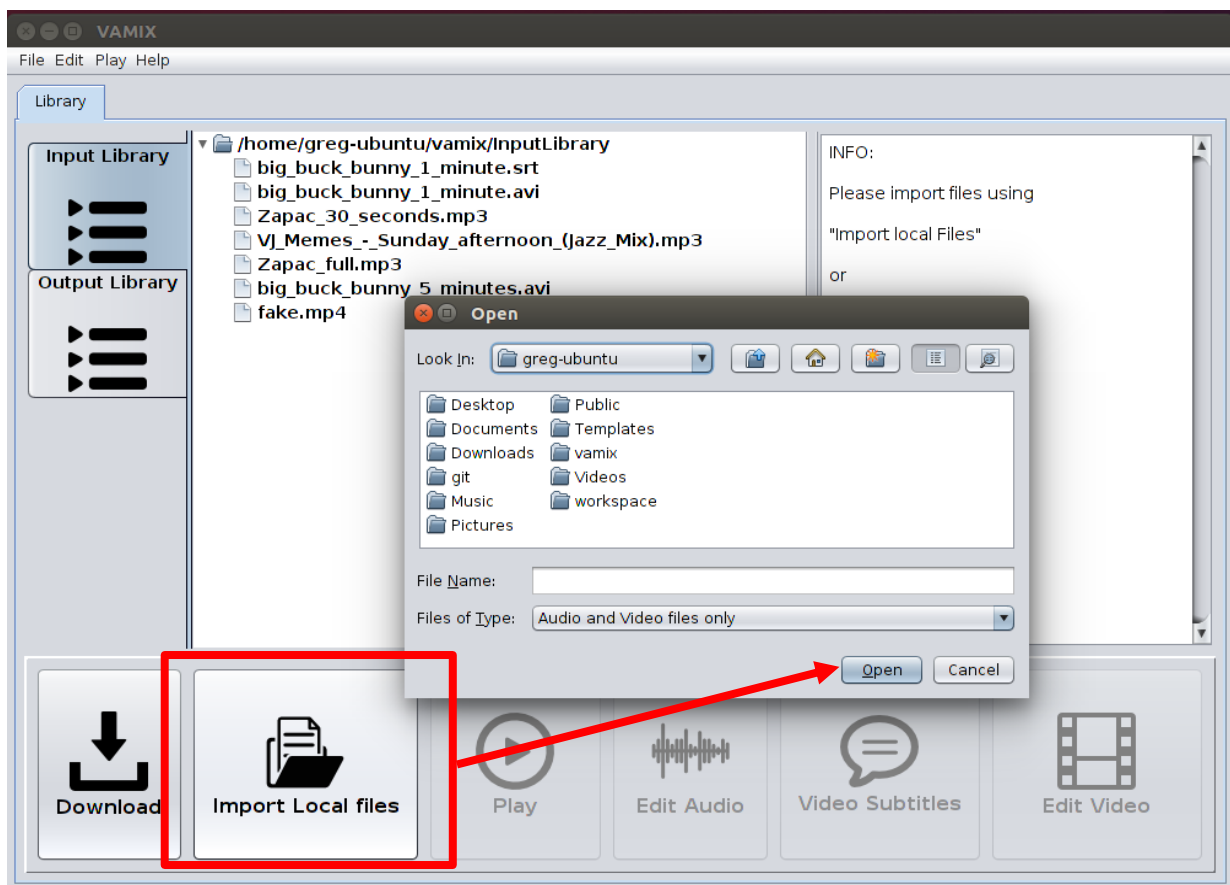


FIGURE 2: IMPORTING LOCAL FILES TO INPUT LIBRARY

1. To import a file into the input library from somewhere else on your computer, press the "Import local files" button in the buttons panel below. Alternatively navigate to the menu bar and go to File->Import Local Files. (Shortcut Ctrl-I).
2. The automatic filter allows you to select Audio and Video files only. (Fake audio & video files are not excluded.)
3. Once you have selected a file press open to import it to the input library. You should now see the file in the input library file explorer if the import was successful.

## Download files from the internet:

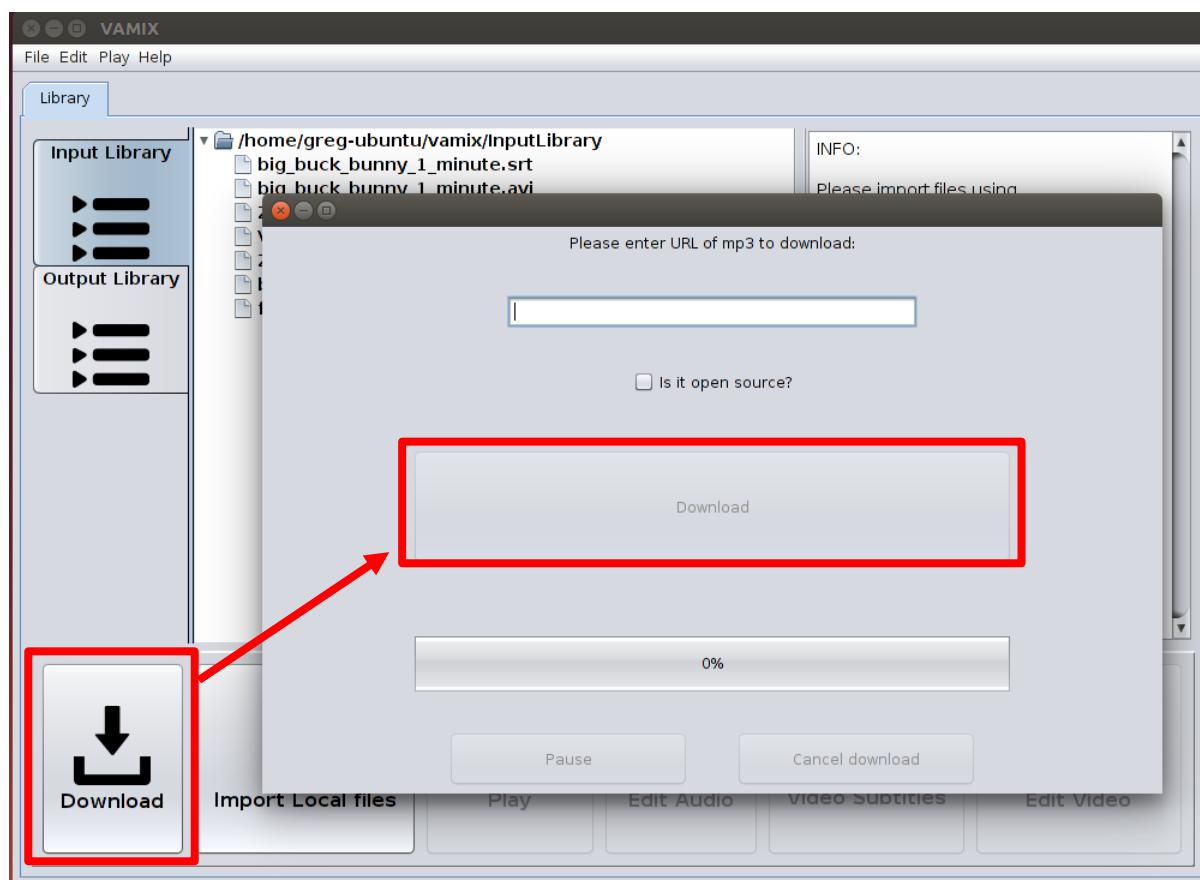
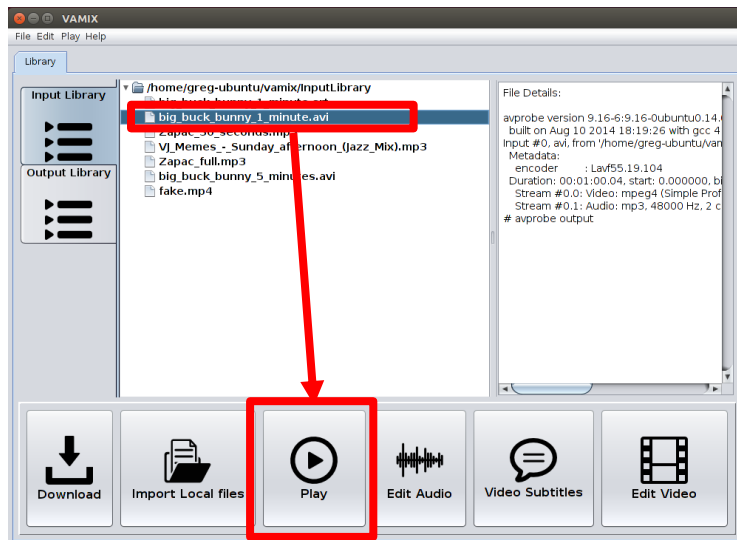


FIGURE 3 DOWNLOADING FILES

1. To download a file into the input library from the internet, press the "Download" button in the buttons panel below. Alternatively navigate to the menu bar and go to File->Download. (Shortcut Ctrl-D).
2. Enter the URL of the file to download in the text field where prompted. You may only download open-source files with this downloader. Press download to commence downloading.
3. You may also pause, resume or cancel the download if needed.
4. Once the download is completed, the file should now appear in the input library.

## Playing video or audio files:



1. VAMIX features a built-in media player. To play a file in the media player, click on the file in the input or output library to highlight it and press the "Play". Alternatively, selected the file and navigate to the menu bar and go to Play->Play. (Shortcut Ctrl-P).

2. A new tab with the label "Playback" will open and the selected file should start playing immediately.

FIGURE 4: HOW TO PLAYBACK FROM MAIN LIBRARY

3. As shown below in Figure 5, the player have standard media player controls. The can adjust the time by dragging the knob of the slider or clicking on a certain area of the slider. This also applies to changing the volume. The label at the bottom show the file being played and the status of the player.  
(Note: There is a bug where there is no sound at start-up. Try clicking on the mute/unmute button once or twice to fix the problem)
4. The video can be viewed at full screen by double-clicking the player screen and double click the screen again to disable full screen.

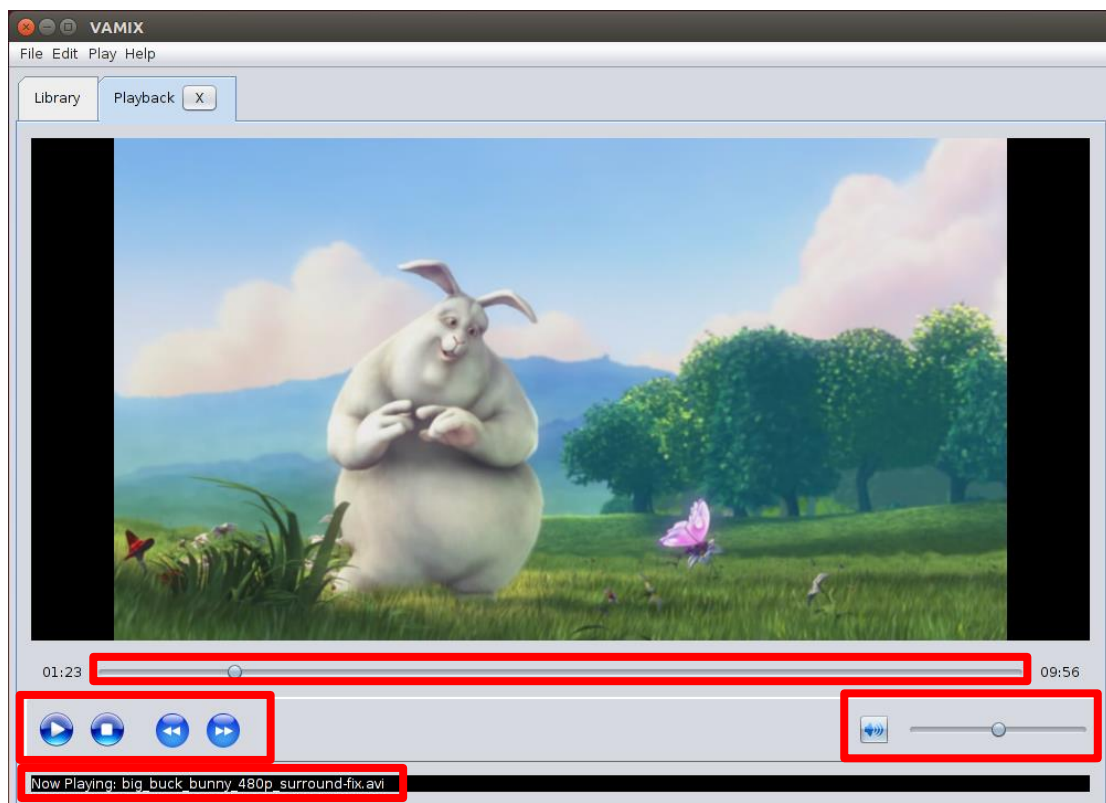


FIGURE 5: PLAYBACK PANE

## Editing Audio:

1. VAMIX features the ability to strip, replace and merge audio. To begin editing a media file, click on the file in the input or output library so that it is highlighted and press the "Edit Audio" button. Alternatively, selected the file and navigate to the menu bar and go to Edit->Edit Audio. (Shortcut Ctrl-E). This will only be allowed if the media file has an audio stream, otherwise the option will be greyed out.
2. A new Audio Editor tab should open and the selected file should be shown in under the current file label and a preview of the current file can be played by pressing the play button (See Figure 6 below).

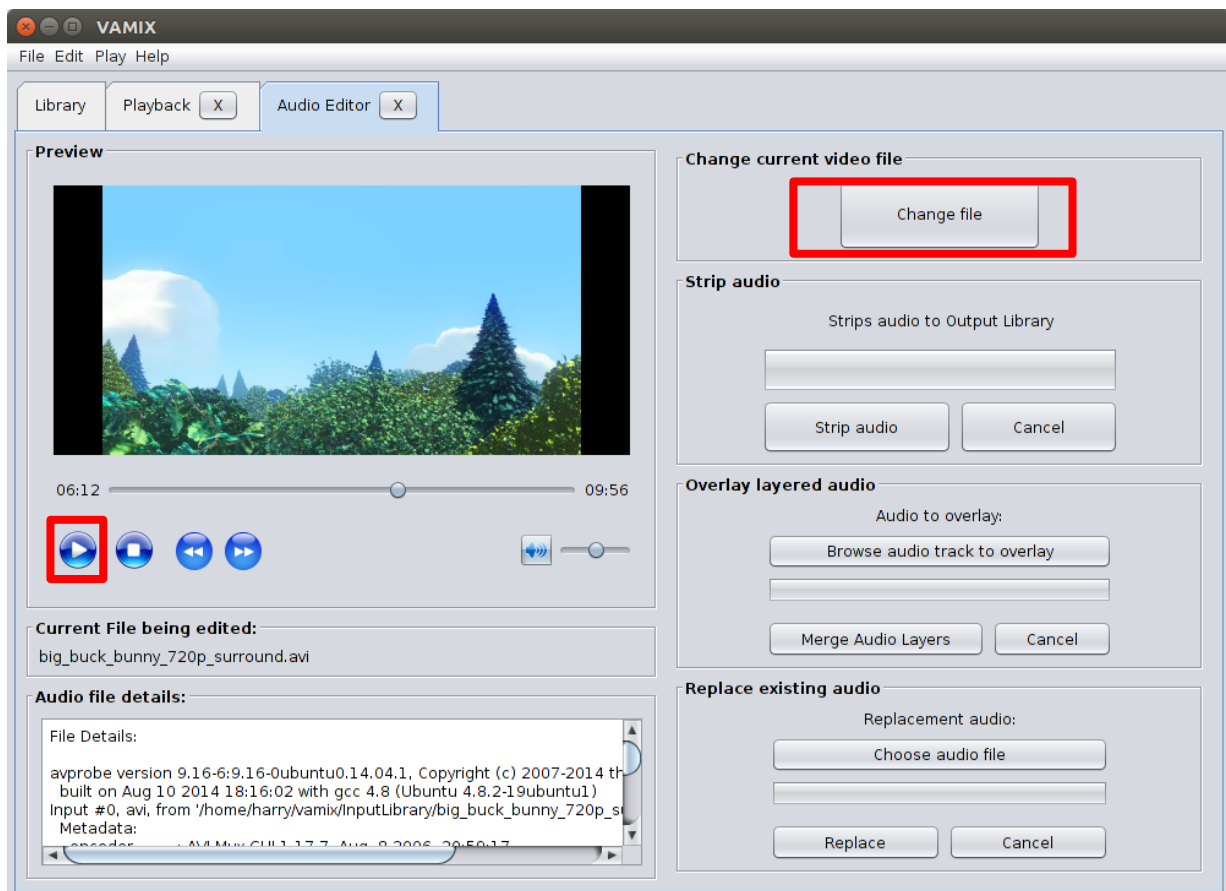


FIGURE 6: AUDIO EDITOR PANE

- To change the current file being edited press the "Change file" button. A warning will be given if the file does not have an audio stream.

## Stripping Audio

Stripping the audio from the current video file allows the user to take the audio stream out of a video file and save either just the stripped audio or the video that now has that audio stripped out.

1. To strip the audio and save just the video with the audio stripped to a file, press the strip audio button. Once the dialog box asking you what you want to save select "Get video only".  
Alternatively if you want to just save the audio stripped to an audio file then select "Get audio only". (See Figure 7 below).
2. Either way, the output file will be created and placed in the "Output library" and can be viewed from the main library pane.

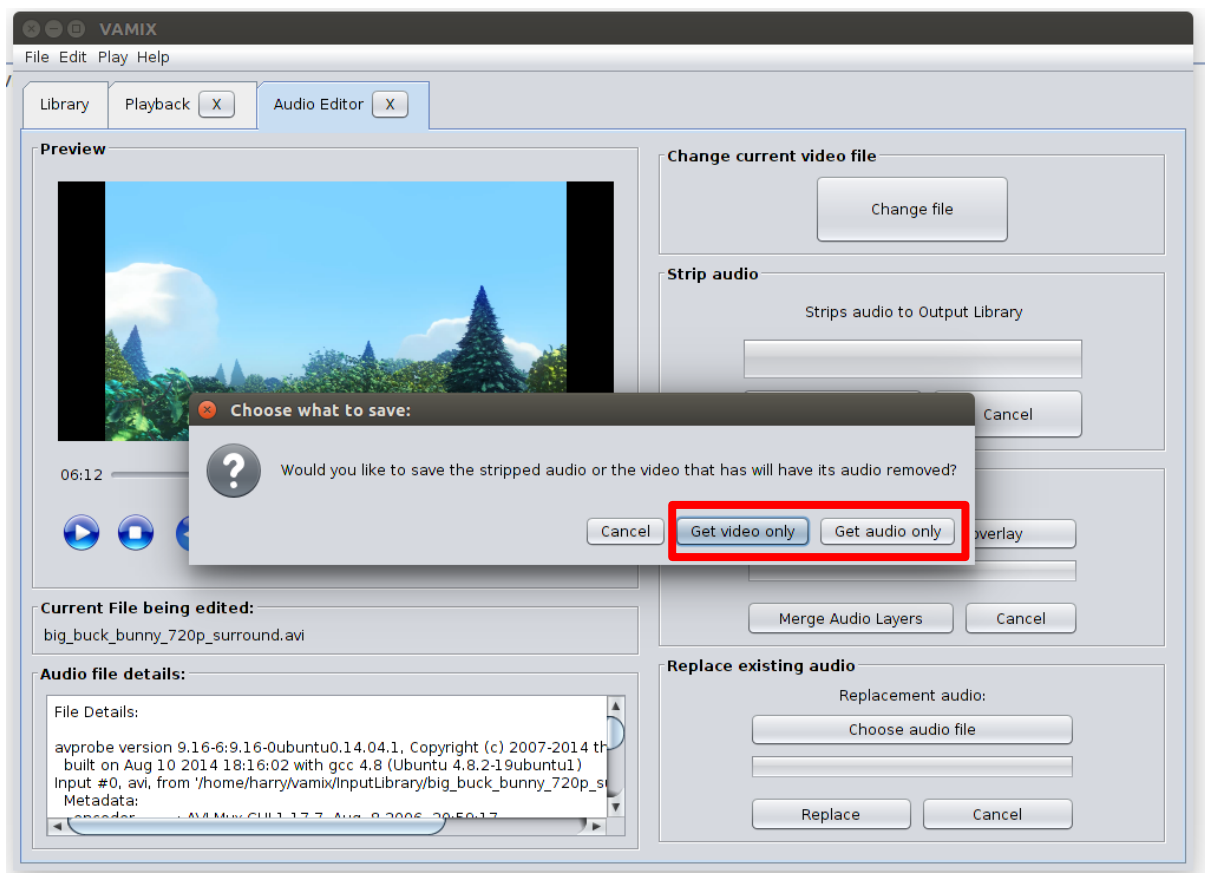


FIGURE 7: CHOOSING WHAT TO SAVE FROM STRIP OPERATION



## Overlaying video with another audio track

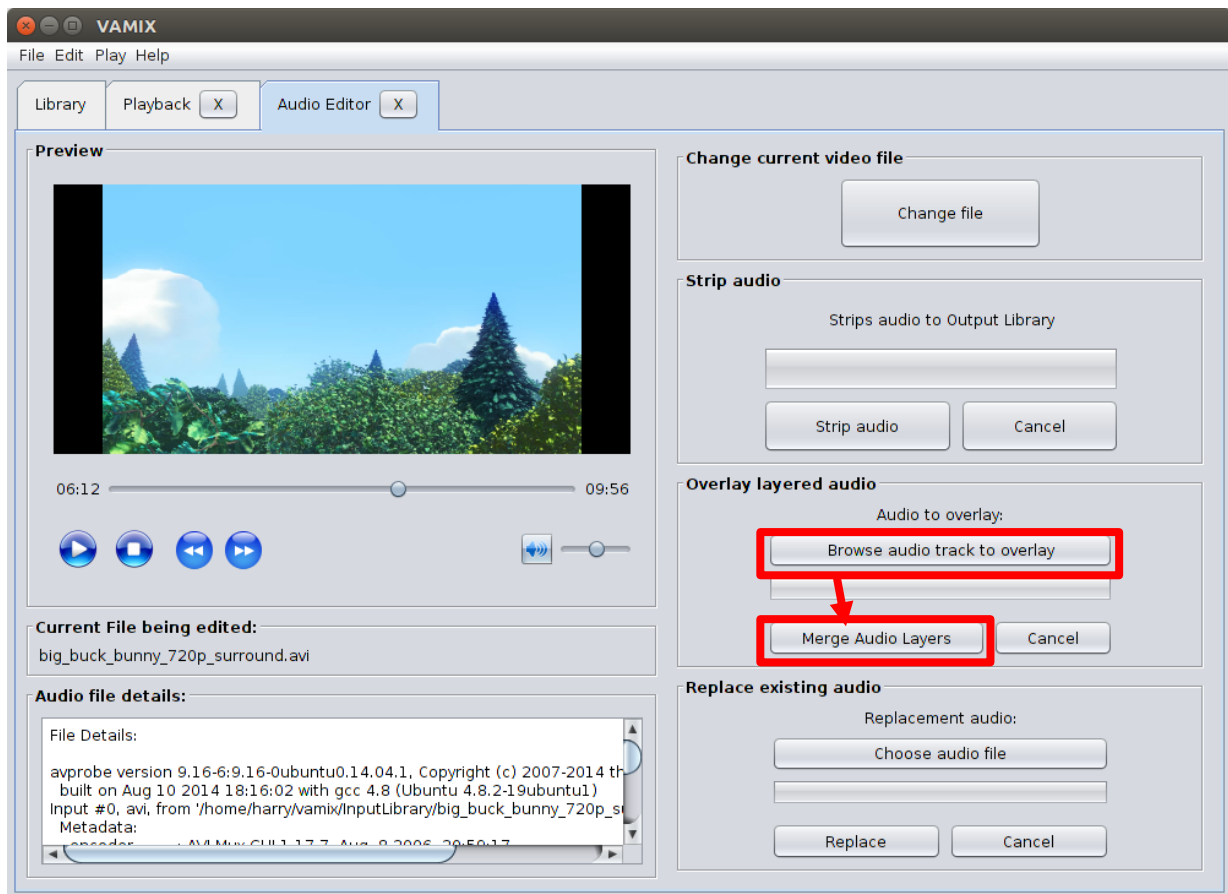


FIGURE 8: OVERLAYING AUDIO

1. To overlay another audio track stream on the existing video, click on "Browse audio track to overlay".
2. A file chooser will pop up and ask you for the input file that you wish to overlay. (This must be an audio file).
3. Once you have selected this, your selected file will be shown in the label "Audio to overlay:...". Click "Merge Audio Layers" to perform this operation.
4. Once the operation has completely successfully a dialog box will notify you. The output file should be now in the VAMIX "Output Library" ready for you to view.

## Replacing the video's audio track with another track

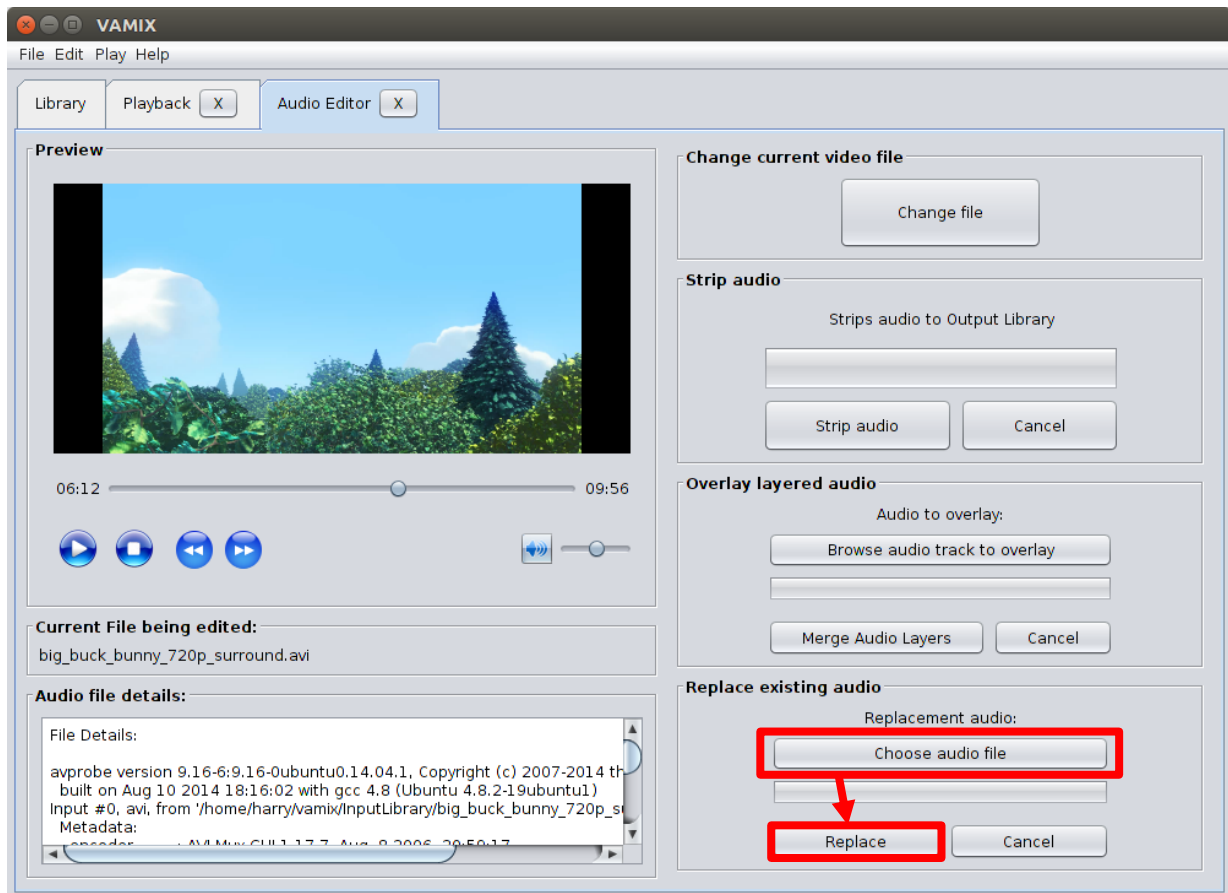


FIGURE 9: REPLACING AUDIO TRACK

1. To replace the video's current audio track stream on the existing video, click on "Choose audio file".
2. A file chooser will pop up and ask you for the input file that you wish to use to replace the current audio track. (This must be an audio file).
3. Once you have selected this, your selected file will be shown in the label "Replacement audio:...". Click "Replace" to perform this operation.
4. Once the operation has completely successfully a dialog box will notify you. The output file should be now in the VAMIX "Output Library" ready for you to view.

## Editing Video

1. VAMIX can also add Title or Credits text to your video. To begin editing, click on the file in the input or output library so that it is selected and press the "Edit Video" button or navigate to the menu bar and go to Edit->Edit Video. (Shortcut Ctrl-V).
2. A new Video Editor tab will open and a preview of the selected file will start playing if the play button is pressed on the left hand side (See Figure 10 below).

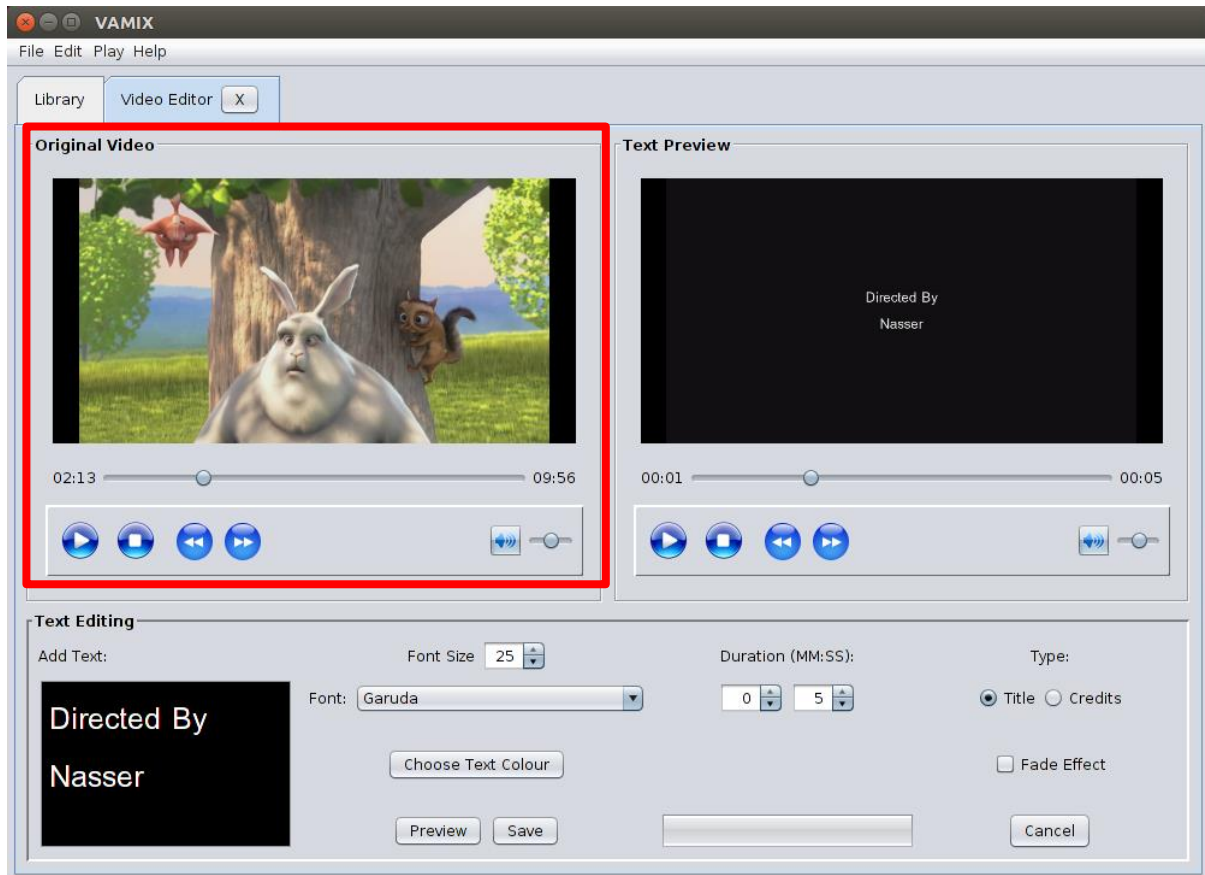


FIGURE 10 VIDEO EDITOR TAB

3. The media player on the right hand side is used to preview edits made by the user.

## Adding Text to Video

1. The text should be added to the text box and you can choose a desired font size clicking the up or down button on the spinner. The minimum font size is 25 and the maximum is 50.
2. You can then set the font you want from the list that is packaged together with the program.

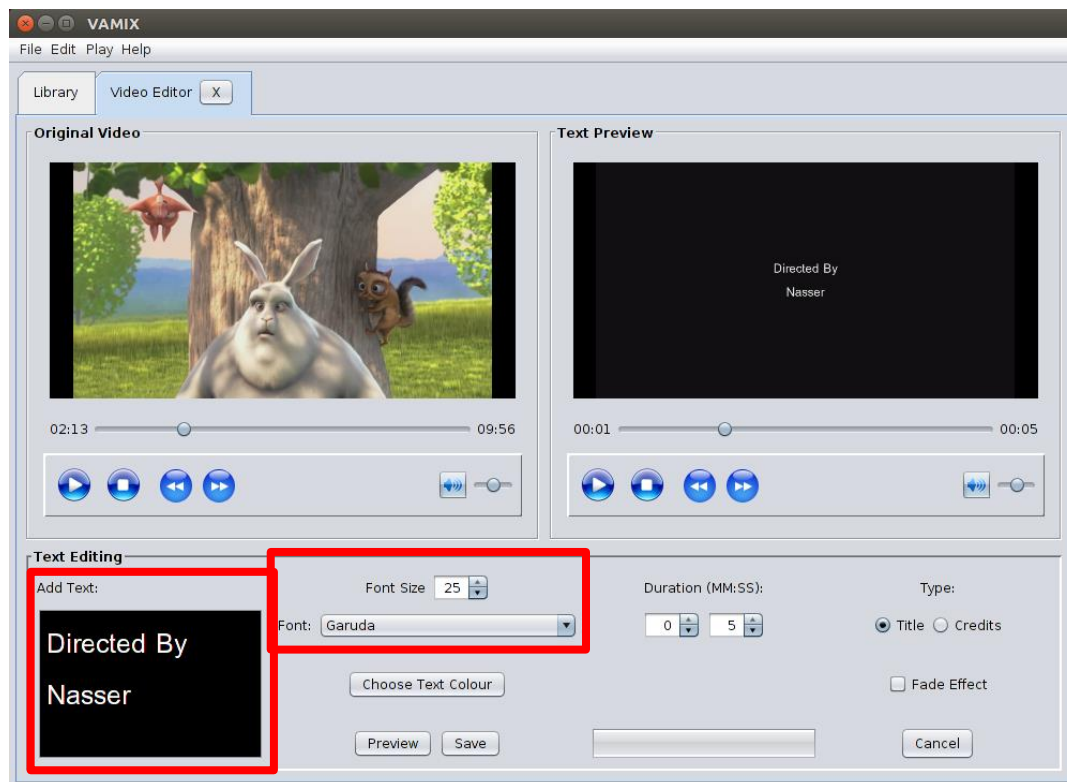


FIGURE 11 ADDING TEXT AND ADJUSTING FONT SIZE

3. If you want to change the text colour, click on the "Choose Text Color" button and a new window will appear. Select a colour from the default swatches or change to the RGB tab to set the Red, Green, Blue and Alpha values and click ok. (See Figure 11)
4. The text added can contain special characters like "\!@#%&\*" and also can be consist of multiple lines. Note that the limit of lines is based on the size of the text added.

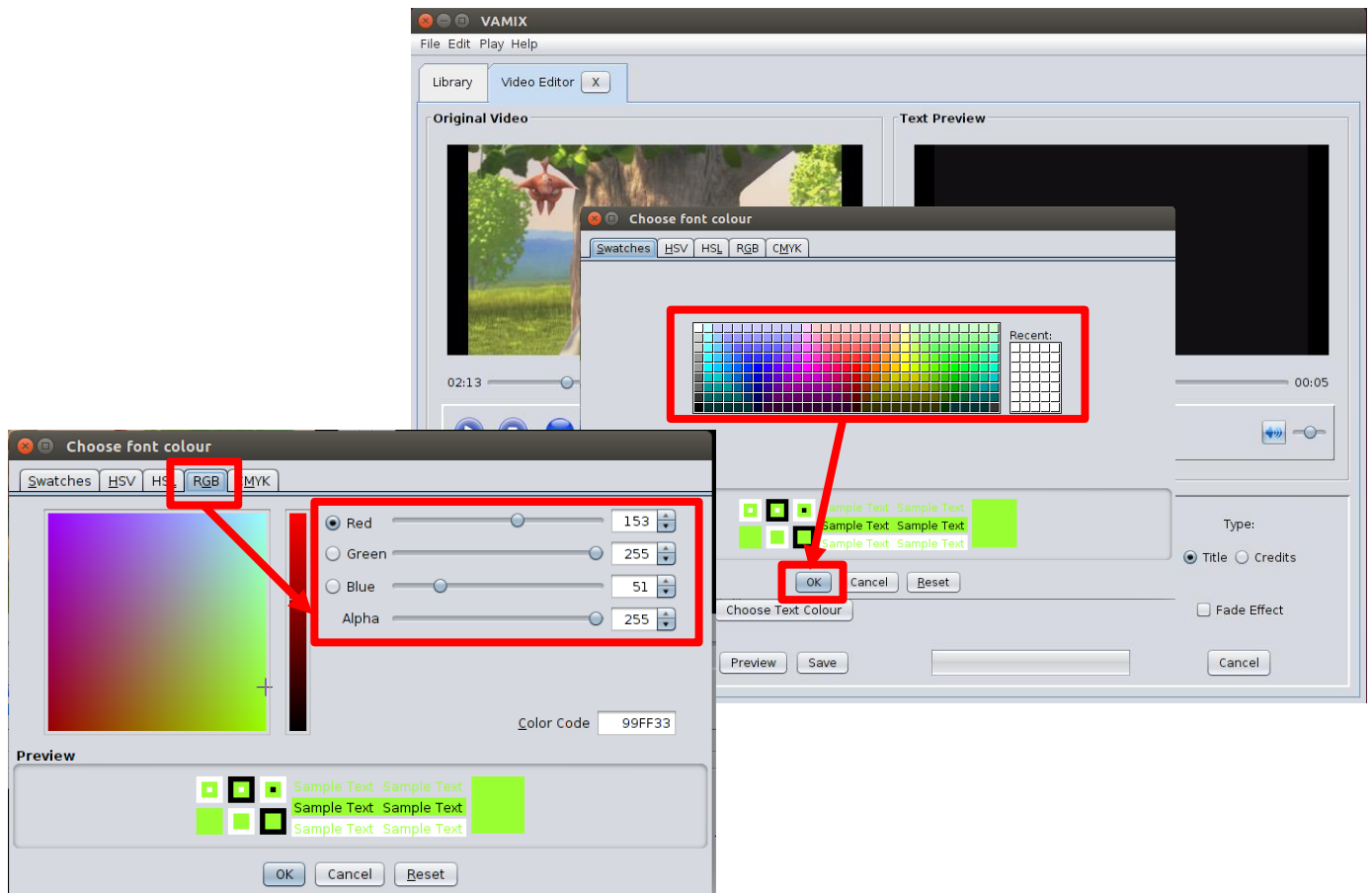


FIGURE 12 CHANGING TEXT COLOR

5. Add a Duration for how long the added Title/Credits will be. The minimum duration is 1 second.
6. Then choose Title to insert the text in front or credits to insert at the end. (Figure 13)

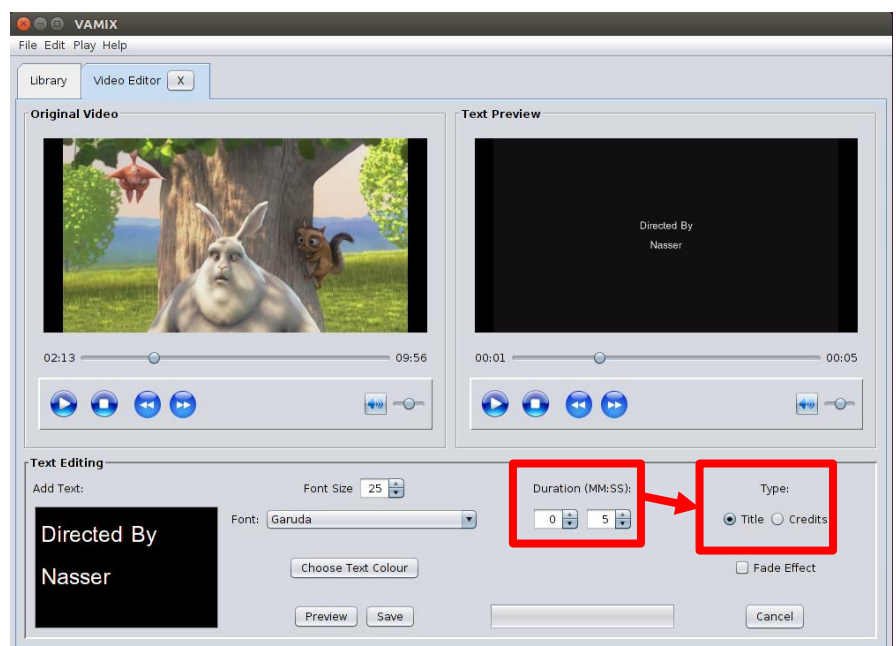
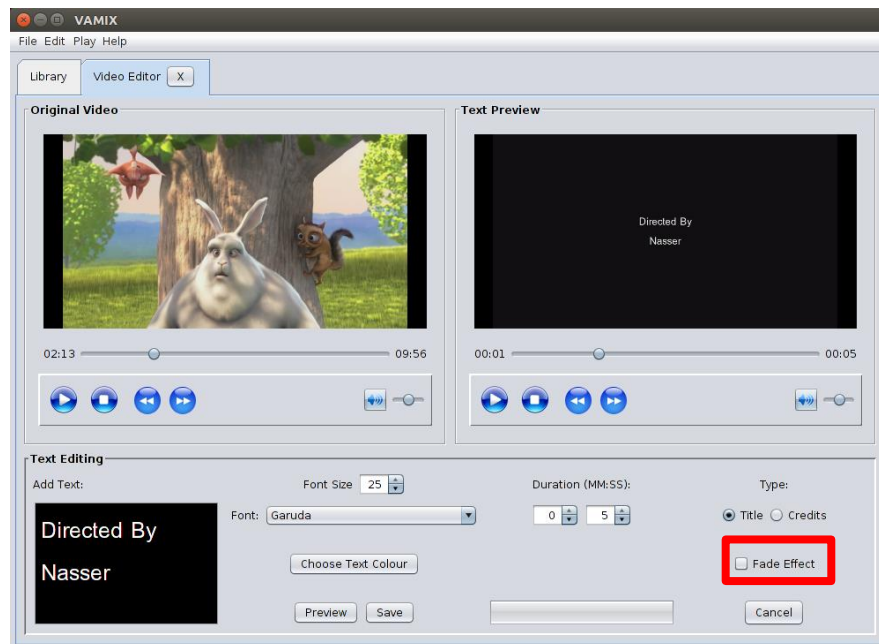


FIGURE 13 DURATION AND CHOOSING TYPE

7. Then click the "Preview" button to preview the new video which will be shown on the right hand side media player.
8. The Fade in and out effect can be added by ticking the "Fade Effect" box. (Figure 14)



**FIGURE 14** ADDING FADE EFFECTS

## Adding Subtitles to Video

1. VAMIX can also add subtitles to your video. To begin, click on the file in the input or output library so that it is selected and press the "Video Subtitles" button or navigate to the menu bar and go to Edit->Edit Video. (Shortcut Ctrl-S).
2. The video can be started by pressing the play button. (Figure 15)

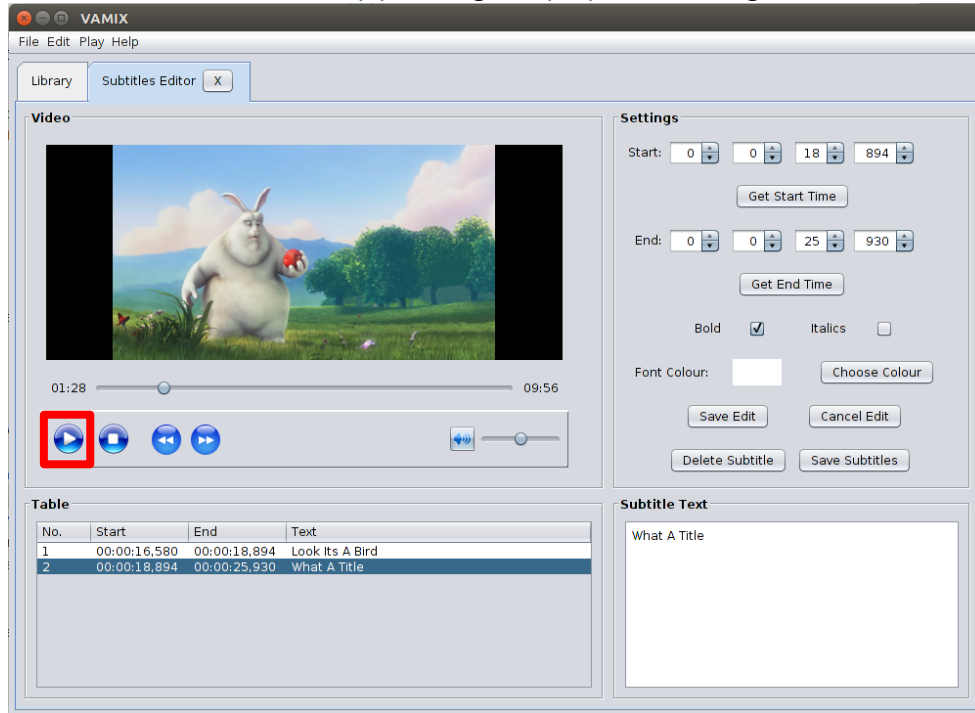


FIGURE 15 SUBTITLE PANEL

## Adding New Subtitles

1. New Subtitles can be added by setting a valid start and end time and also adding some text. The start time must be before the end time and must not overlap with any of the other subtitle entries. (Figure 16)
2. The start time button and end time button can be used to get the current time of the player.
3. You can make the text bold or italic and also change the colour of the text. The colour chosen can be seen on the canvas box next to the "Choose Colour Button".

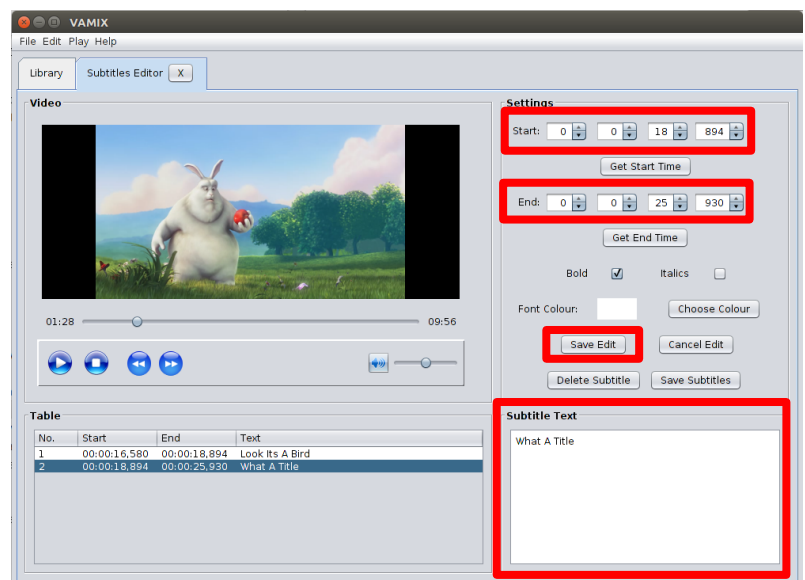


FIGURE 16 ADD SUBTITLES

## Editing Subtitles

1. The subtitles in the table can be edited by highlight one of them by clicking on it and pressing the "Edit Subtitle" button.
2. When the "Edit Subtitle" button is press, the "Add Subtitle" button will change to "Save Edit" button. (Figure 17)

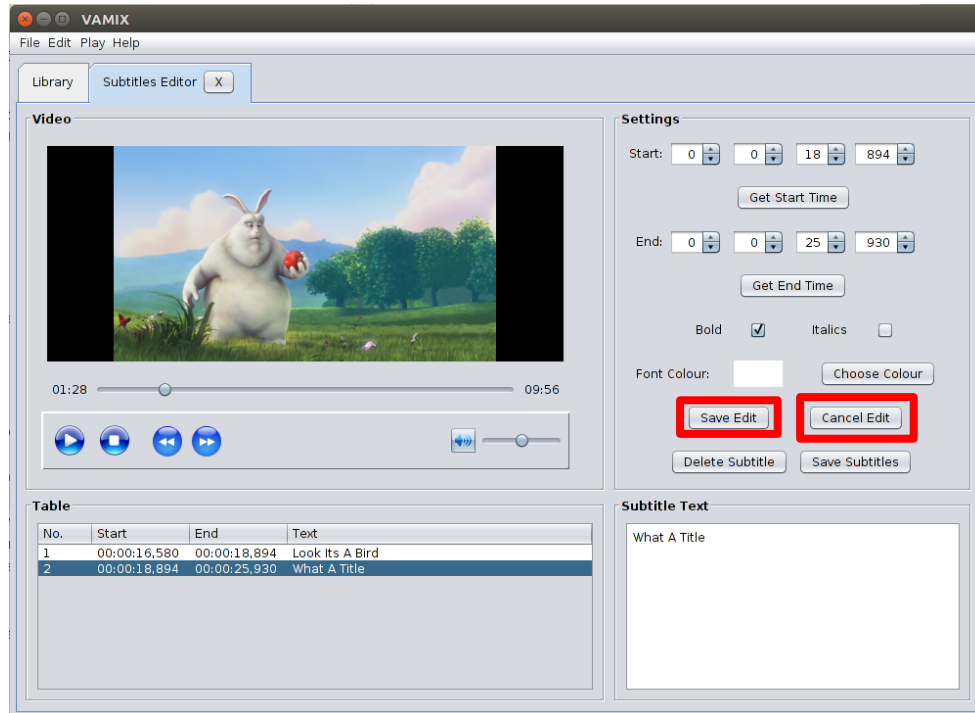


FIGURE 17 EDITING SUBTITLES

3. All the components will be updated based on the selected entry and when done with changing the subtitle press the "Save Edit" button to save the subtitle. The new subtitle will overwrite the old one.

## Deleting and Saving Subtitles

1. Subtitles can be deleted by selecting on the entry and clicking on the "Delete Subtitle" button.
2. Any changes done need to be saved and this can be done by pressing the "Save Subtitles" button.