

**Release Notes**  
**MuVis - an Audio Visualizer app for Music**

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(updated for MuVis v1.1 on 31 Dec 2022)

The current Apple App Store version of MuVis is at:  
<https://apps.apple.com/us/app/muvis-music-visualizer/id1582324352>

The current GitHub version of the MuVis source code is at:  
<https://github.com/Keith-43>

**MuVis-v0.8**

It is the first public release of the MuVis music visualizer app (after a-year-and-a-half of development). It runs on macOS only. It was developed using Swift, SwiftUI, and Xcode. It plays song files from the user's computer - but not live audio from the microphone.

7 Aug 2021 - MuVis-v0.8 source code posted on GitHub (replaced on 20 Sep 2021)  
23 Aug 2021 - MuVis-v0.8 uploaded to the Apple Mac App Store

**MuVis-v0.9**

It runs on macOS, iOS, and iPadOS. It was developed using Swift, SwiftUI, and Xcode. It plays song files from the user's device, and also live audio from the device's microphone. In the AudioProcessing class, the code using the AVCaptureSession API was deleted. The AudioProcessing class uses the AVAudioEngine API for both song-file-playing and microphone-playing. Many minor code changes were required to allow multi-platform usage.

3 Oct 2021 - MuVis v0.9 posted on GitHub  
14 Oct 2021 - MuVis-v0.9 uploaded to the Apple App Store

**MuVis-v1.0**

It adds five new visualizations. It facilitates viewing the User Guide and the Visualization Guide directly from the app. It uses the new SwiftUI Canvas capability for improved code readability and performance. It adds buttons to control Pause/Resume, Peaks/Normal, and Option On/Off.

29 Mar 2022 - MuVis v1.0 posted on GitHub  
29 Mar 2022 - MuVis-v1.0 uploaded to the Apple App Store

**MuVis-v1.0.3**

It fixed a memory-access problem which caused crash-on-launch on iOS devices.

25 June 2022 - MuVis v1.0.3 posted on GitHub  
24 June 2022 - MuVis-v1.0.3 uploaded to the Apple App Store

**MuVis-v1.1**

It adds three new visualizations. It uses the Animatable Vector code to make the visualizations run smoother.

2 Jan 2023 - MuVis v1.1 posted on GitHub  
4 Jan 2023 - MuVis-v1.1 uploaded to the Apple App Store