

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

**by Keith Bromley, San Diego, CA, USA    [kbromley@me.com](mailto:kbromley@me.com)**  
(updated for MuVis v1.0.1 on 10 April 2022)

**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)  
See <https://github.com/Keith-43/MuVis-v0.8>
- 23 Aug 2021 - MuVis-v0.8 uploaded to the Apple Mac App Store  
See <https://apps.apple.com/us/app/muvis-music-visualizer/id1582324352>

**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  
See <https://github.com/Keith-43/MuVis-v0.9>
- 14 Oct 2021 - MuVis-v0.9 uploaded to the Apple App Store  
See <https://apps.apple.com/us/app/muvis-music-visualizer/id1582324352>

**MuVis-v1.0**

It added five new visualizations.  
It facilitates viewing the User Guide and the Visualizations 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  
See <https://github.com/Keith-43/MuVis-v1.0>
- 30 Mar 2022 - MuVis-v1.0 uploaded to the Apple App Store  
See <https://apps.apple.com/us/app/muvis-music-visualizer/id1582324352>

**MuVis-v1.0.1**

It fixed several “memory access race condition” problems.

- 12 Apr 2022 - MuVis v1.0.1 posted on GitHub  
See <https://github.com/Keith-43/MuVis-v1.0.1>
- 13 Apr 2022 - MuVis-v1.0.1 uploaded to the Apple App Store  
See <https://apps.apple.com/us/app/muvis-music-visualizer/id1582324352>