

DiscoDonutCat

A novelty experience for visionOS: **the novelty is that it's a donut on top of a spinning record.**

[Latest version: v4.1](#)

Last update Jul 12, 2024

New Features v4.1

- Added  option to display vinyl label.

New Features v4

- Play and stop are separate buttons to mimic an analog player.
- Starting and stopping playback ramps both animation and sound up and down, respectively.
- Model is instantiated with RealityView for future manipulation of textures, etc.
- **FIXED** rotations per minute was mistakenly set to song duration, which causes shorter songs to have more rotations than "33RPM" and "45RPM"

Bugs

- Switching between 33 & 45 requires stopping down.
- Revealing vinyl sometimes causes vinyl to spin off axis.
- Sound for displaying vinyl only plays when music is not playing.

To do

- Rewrite entire code to eliminate tech debt of feature creep.
- Play mechanical sounds for displaying top label.
- FFWD / REW should spin record necessary degrees to match 10s seek
- Add analog pitch shift sounds to mask unpleasant digital speed ramping.
- "dust on record" aural texture: ideally synthesized white noise; "noise is good, actually" because the number of people who recognize what a \$250k record player sounds like is insignificant to a novelty experience intended for a mass audience.
- make eyes flash to beat – identify BPM or simply based on rotation
- change color of record when song changes
- Display optional small adjacent window with short loop of artist look ala Spotify
- choose from a set of songs stored on a web site
- change color of cat based on genre &/or make it rain on top of cat for sad songs

- Name of song should be displayed on the record label
- app should remember what last song was
- song info should be stored in mp3 metadata for making a selection
- physically manipulating the cat could affect the speed / pitch
- Toggle between spatial and channel audio?