

# ANEW MOBILE APP FOR SESSION DOCUMENTATION

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Thanks: Carol Johnson, Michael Janas, Luke Gilfeather, Philip Knock, and fellow denizens of <u>StackOverflow.com</u>

#### Motivation

- Personal: I wanted to write an iOS app!
- Educational: Students requested an app to help with session documentation
- Professional: Various pro engineers I talked to were excited about the idea
- Simple Idea: Studio I was recording at (The Brooklyn Outboard, East Nashville) had "knobs only" console

# Development

- Started in late Summer 2015
- Used to be, had to pay Apple \$100 for Dev. License just to test your app on your own (private) device
- With XCode 7, that restriction was lifted: still have to pay to distribute via App Store, but free for private use
- Swift language was new but growing, similar to many other languages. (Objective C is "ugly", "intimidating", etc)
- Had working app in a few weeks! Not developed on "Belmont" time, btw!

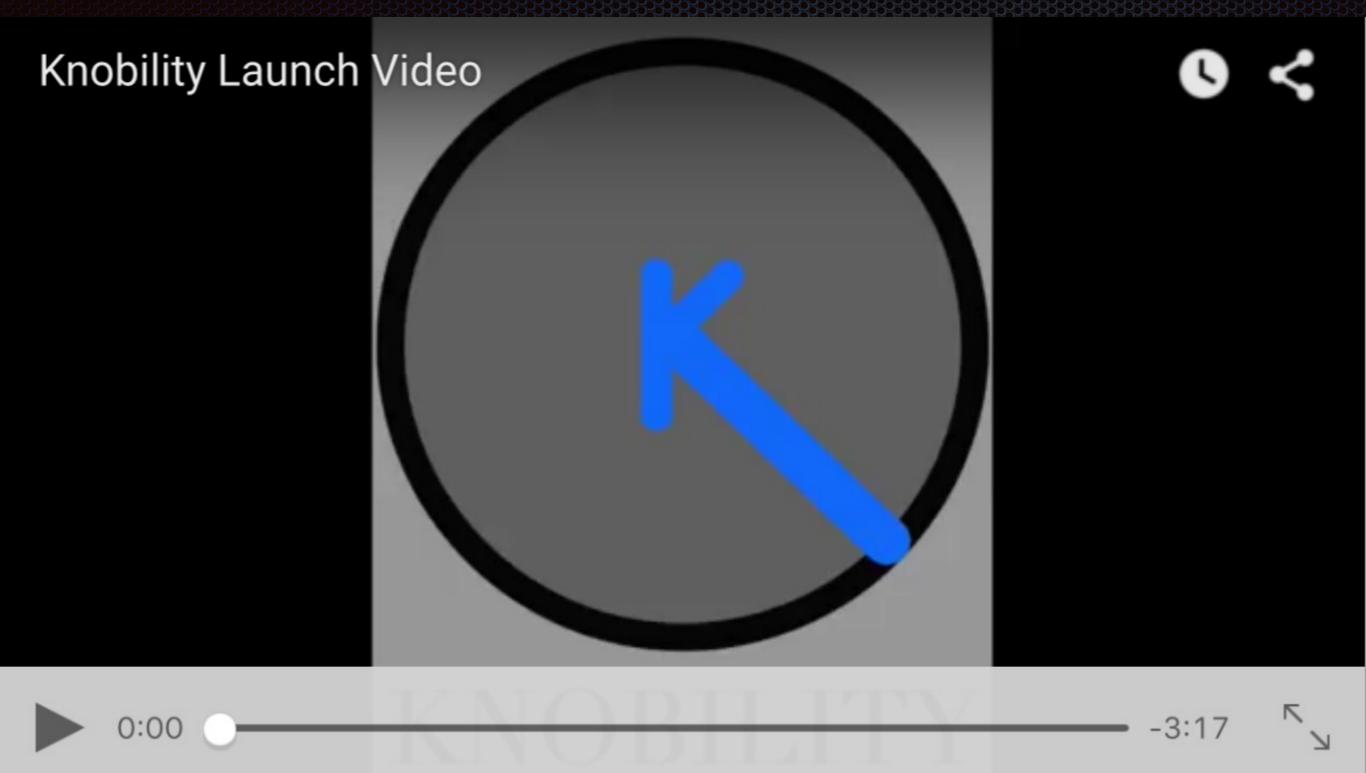
# Development, p.2

- Process: Google-searched for tutorials about doing what I wanted to do.
- Started with "Monkey Pinch" demo from Ray Wenderlich's website...
- Proceeded from there, adding features
- "About" screen of Knobility app shows references of websites used
- Read/posted to StackOverflow when I got stuck



## App Store Publication

- iTunesConnect is the developer portal to the App Store.
- Can do a limited "Beta" release via TestFlight program
- Made "Launch" Video: Got screen-mirroring software (V), 30-day free trial of Final Cut Pro, added "TouchPose" library
- Need screenshots for EVERY Apple device, plus 30 second (not 3-minute) video!
- Full XCode 7 release coincided with iOS9 release (Sept 9), made things much easier w/ better TestFlight beta-testing integration
- Takes 1-2 weeks for Review process. If you re-submit during that time, your app goes to the "back of the line" and the wait begins anew



# Lets' show the video... <a href="https://www.youtube.com/watch?v=80RcYVdQx00">https://www.youtube.com/watch?v=80RcYVdQx00</a>

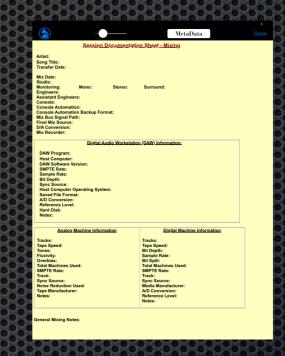
#### New Since Launch Video

- Tutorial video (18 minutes) now out
- All Grammy P&E templates, with proper layouts
- Faders (sliders)
- Pushbuttons
- Custom knobs





Less buggy / fewer crashes

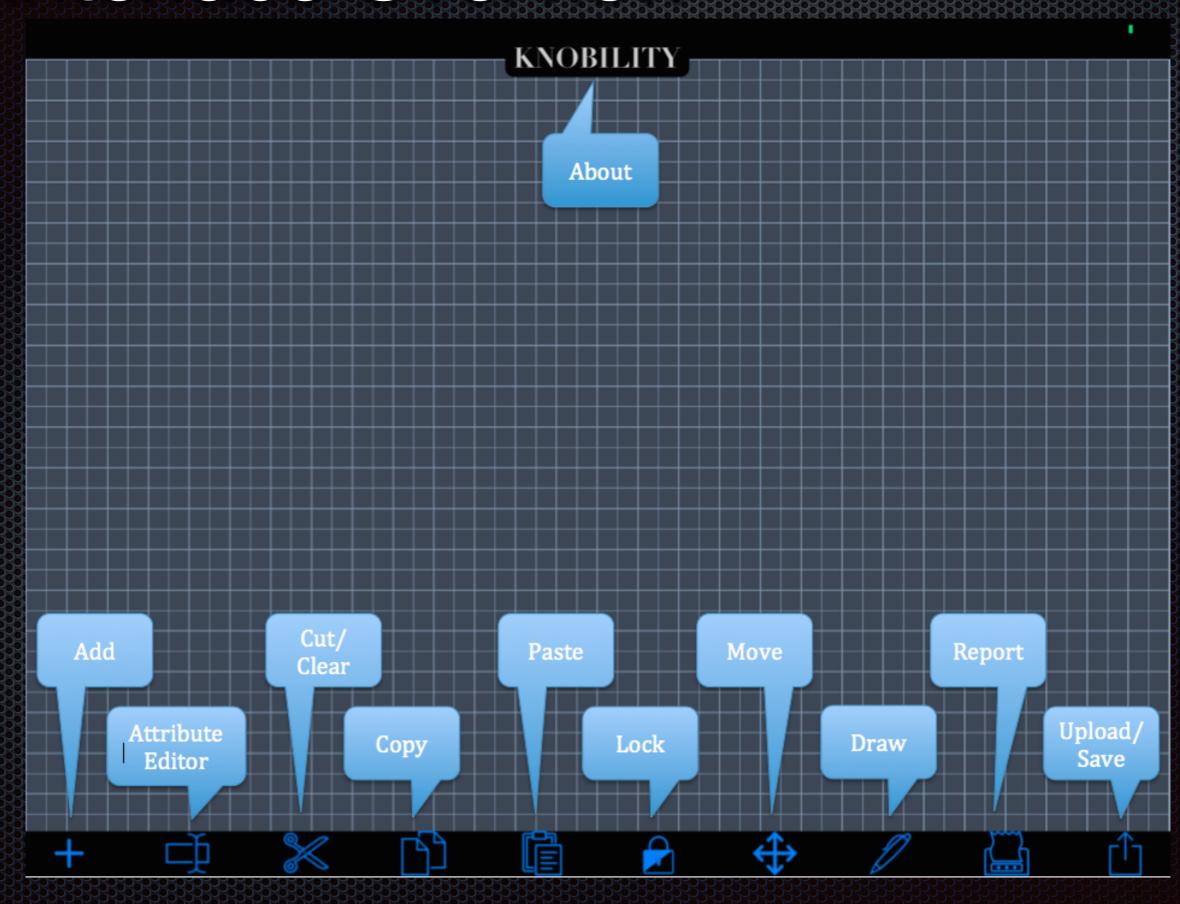




# Things It Doesn't Do - Yet

- Logarithmic-scale knobs
- Custom color/shape knobs
- Discrete-position knobs and/or Switches
- "Social" integration for file-sharing (via Parse?). For now, still use the forums
- In-App purchases for "upgrade" features
- A.I. to infer knob positions directly from photographs
- Generate a "full report" according Belmont's Audio II specs

#### Interface Overview



## How to Use Knobility

- Easier on iPad -- iPhone will work but seems cramped
- Get gear photo(s) or Front Panel Recall Sheet(s) via internet, camera, etc.
- Use "Add" ("+") menu to add Knobs, etc.
- Calibrate/Edit settings via Attribute Editor
- Draw signal flow, make notes by hand
- Add Notes for MetaData
- Stack gear-on-gear for larger builds (e.g. channel strips for console)
- Upload/Save to Dropbox (in Dropbox/Apps/Knobility/)
- Read settings via Excel & .CSV file
- Paste screenshot(s), settings & MetaData into Word doc for Audio II! ;-)

#### Final Remarks

- Not fully "Open Source" but file I/O routines are.
- NEED HELP moderating forums! Volunteers?
- Next: Workshop: Let's build some virtual gear, play around with it, and upload to the forums!
- Questions...?