

Music
in the
Apple Ecosystem

Prescott Mac Users Group
December, 2020

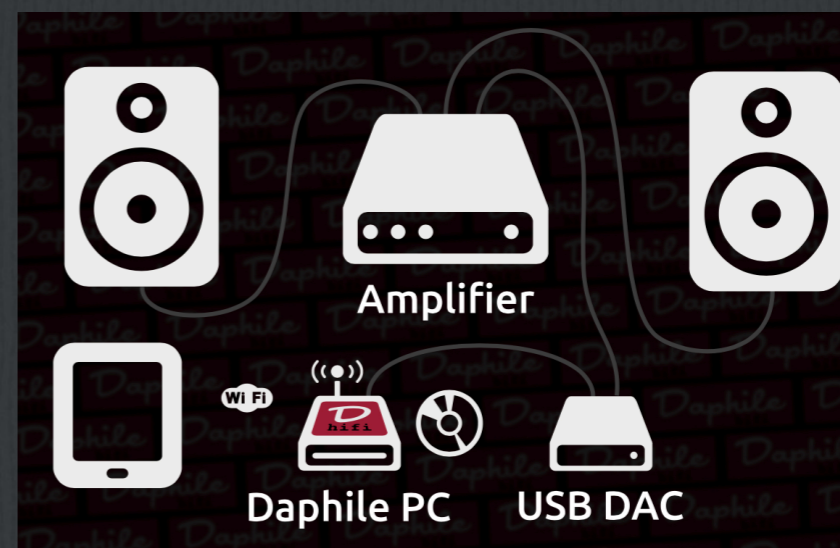
The Outline

- Sources
- Personal Music
- Streaming
- Listening
- Apps for MacOS and iOS



Sources

- Digital:**
 - On Line grabbing**
 - CD's**
 - Digital Music Server**





Sources

- Analog:**
 - LP's**
 - ADC**



Personal Music

- Ripping - requires a CD Player**
- Bit Rates - Match this to your hearing**
- Music Controls**
- Digital formats supported by iTunes: AIFF, WAV, AAX, AAX+, AA, MP3, MP3 VBR, ALAC, AAC, Protected AAC, HE-AAC**
- All are “lossy” formats; FLAC is lossless, but not supported**



Personal Music Library

- Space on your computer (or external disk)**
- Syncing to iOS Devices**
- Conversion of Digital Formats by Music - AAC, AIFF, Apple Loseless, MP3, WAV**



Streaming Sites

Apple Music	Tidal	YouTub<u>e</u>	SoundCloud
Pandora	Napster	Shazam	Slacker Radio
Amazon Prime	Spotify	8Tracks	Deezer
Google Play	<u>last.fm</u>	Tunein Radio	Jango Radio
iHeart Radio	Red Bull Radio	PrimePhonic	Qello



Streaming

- WiFi vs Cellular
- Download speeds
- Data limits
- Buffering
- "Out of Service" range



Listening

- Wired Speakers - requires Wireless capable Amp or direct wired connection to amp**
- Wireless Speakers**
 - WiFi - spotty due to network traffic**
 - BlueTooth - more consistent**

Listening

- Wireless Speakers**

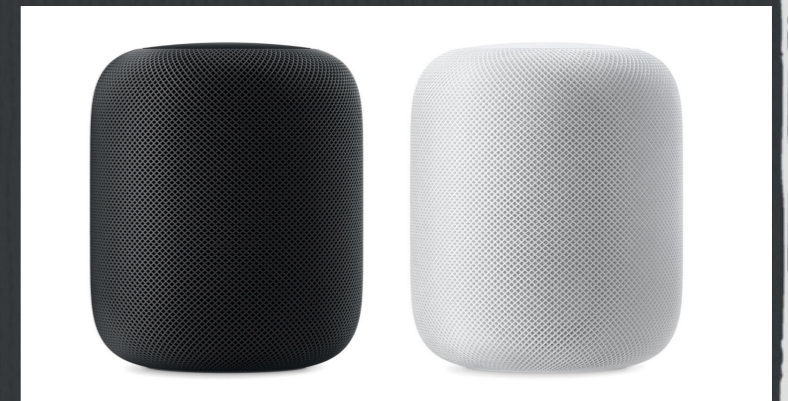
- Home Pod**

- Sonos**

- Bose**

- Edifier**

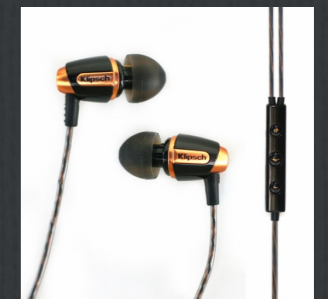
- Denon**





HeadPhones & Earbuds

- Wired vs wireless**
- HeadPhones - Noise canceling or regular**
- Earbuds - Klipsch, Harman, Bose, Sony, Sennheiser, etc.**
- AirPods - Regular, Pro, Max**
- Differentiating**



3rd Party Apps MacOS

- Ripping - mirethMusic, ImToo Audi Converter,
- Capturing - AV Recorder, **Audio Hijack**,
- Converting - **Smart Converter**, Music Converter
- Playing - **VOX**, Musique, Plexamp, Clementine, Nightingale, Tomahawk, Swinsian, Fidelia, Podtrans Pro, Waltr 2,
- Other -

VLC Player (MacOS & iOS)

MPEG Layer 1/2, MP3 - MPEG Layer 3, AAC - MPEG-4 part3, Vorbis, AC3 - A/52, E-AC-3, MLP / TrueHD>3, DTS, WMA 1/2, WMA 3, FLAC, ALAC, Speex, Musepack / MPC, ATRAC 3, Wavpack, Mod, TrueAudio, APE, Real Audio, Alaw/ μ law, AMR (3GPP), MIDI, LPCM, ADPCM, QCELP, DV Audio, QDM2/QDMC, MACE.

3rd Party Apps iOS

- Ripping - Not Available**
- Capturing - Audio Hijack**
- Converting - Audio Converter, File Converter,**
- Playing - Cesium, Ecoute, Stezza, TapTunes, Picky, Listen**
- Other - [Discover](#),**

References

- <https://support.apple.com/guide/itunes/convert-music-file-formats-itns2972/mac>
- <https://ioshacker.com/macOS/convert-apple-music-files-format-tunefab-apple-music-converter>
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References
