Digitizing Your Life: Music

Steven Weyhrich
My Music
My Music
iTunes
Digitizing Old Media
Digitizing Old Cassette tapes
Digitizing Old Cassette tapes 8-track tapes
Digitizing Old

- Cassette tapes
- 8-track tapes
- Vinyl LPs & 45s
Digitizing Old Tapes

- Cassette tapes
- 8-track tapes
- Vinyl LPs & 45s
- Reel-to-reel
Digitizing Old

- Cassette tapes
- 8-track tapes
- Vinyl LPs & 45s
- Reel-to-reel
- 78 RPM records
Digitizing Old

- Cassette tapes
- 8-track tapes
- Vinyl LPs & 45s
- Reel-to-reel
- 78 RPM records
- Cylinder records
Digitizing Old

Acoustic
Digitizing Old

Electronic

Audio Source

Computer
Digitizing Old Audio Sources:

- Home Theater
- Television/VCR/DVD
- Stereo receiver/tuner
- Tape (cassette, 8-track, reel)
- Turntable
Digitizing Old

Hardware Setup

Audio Source connection:

- Headphone output
  - Less desirable, since it will be affected by volume, balance and tone settings

- Line level output
  - Preferred, as it is not affected by volume, balance, or tone settings
Digitizing Old Hardware Setup

- Tuner
- Cassette deck
- Reel-to-reel
- 8-track
- TV/VCR/DVD
- Turntable

Amplifier

Computer
Digitizing Old Hardware Setup

- Tuner
- Cassette deck
- Reel-to-reel
- 8-track
- TV/VCR/DVD
- Turntable

Switcher

Amplifier

Phono Input

Aux Input

Computer
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Hardware Setup

- Set up for recording - cables
- Griffin iMic (USB) for Macs without an audio input
- Cable with RCA plugs on one end, mini-stereo on the other
- May need two, with male-to-male adapters to connect RCA plugs
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Hardware Setup
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Hardware Setup

Set up for recording - amplifier
- Plug iMic into USB port
- Plug output from amplifier into “IN” socket of iMic
- Move switch towards “LINE” icon
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Hardware Setup

Set up for recording - microphone

- Plug microphone into “IN” socket of iMic
- Move switch towards “MIC” icon (enables internal pre-amp)
Digitizing Old Hardware Setup
Digitizing Old Hardware Setup
Choose a device for sound input:

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal microphone</td>
<td>Built-in</td>
</tr>
<tr>
<td>Line In</td>
<td>Audio line-in port</td>
</tr>
<tr>
<td>iMic USB audio system</td>
<td>USB</td>
</tr>
<tr>
<td>Soundflower (2ch)</td>
<td></td>
</tr>
</tbody>
</table>

Settings for the selected device:

- **Input level:**
- **Input volume:**
- **Output volume:**
  - Show volume in menu bar
  - Mute
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Hardware Setup
Digitizing Old Hardware Setup
Digitizing Old
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Hardware Setup
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Software Setup

Toast Titanium
Digitizing Old

Software Setup

CD Spin Doctor
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Software Setup

Audio Hijack Pro
Digitizing Old

Software Setup

Fission
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Software Setup
Wiretap Studio Pro
Digitizing Old

Software Setup

PlayerPro 5.8.9
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Software Setup

VLC
Digitizing Old Media

Making The Recording
Digitizing Old

Making The Recording

- Start Audio Hijack Pro
- Select the audio source
- Hijack it
- Check the levels
- Start the recording
- Start the playback
- When the playback is done, stop the recording
Digitizing Old
Making The Recording
Demonstration
Process the
Process the
<table>
<thead>
<tr>
<th>Song Name</th>
<th>Time</th>
<th>Artist</th>
<th>Album</th>
<th>Genre</th>
</tr>
</thead>
<tbody>
<tr>
<td>When Radio Was Young</td>
<td>16:59</td>
<td>Excerpts</td>
<td>This Was Radio (Disc 1)</td>
<td>Unclassifiable</td>
</tr>
<tr>
<td>Comedy's Golden Age</td>
<td>53:57</td>
<td>Excerpts</td>
<td>This Was Radio (Disc 1)</td>
<td>Unclassifiable</td>
</tr>
</tbody>
</table>
Fission

- Auto-define tracks (if possible)
- Spread out view for better fine-tuning
- Name the tracks
- Label the track number
- Optionally, can add artwork or lyrics now
- Save the final result
Import to iTunes
Import to
Import to

- Drag the new tracks onto the iTunes icon
- iTunes organization vs. my organization
- If “Copy to library” - don’t forget to delete the original
Organizing Music
Organizing

“Unorganized And Clueless”

- Doesn’t organize
- Pays no attention to where things go
- Lets an installer put files where it wants
- High utilizer of phone help lines
- Still looking for the “ANY” key
Organizing

“Unorganized But Knowledgeable”

- Doesn’t organize
- Pays no attention to where things go
- Knows how to use “search” in Finder
Has own methods of organization, but ...

Can get along with other ones (especially if there is an advantage to changing)
Organizing

“Organized And Inflexible”

- Wants things done only ONE way
- “My way is the BEST way”
If you want to do things YOUR way, make sure the "Keep iTunes music folder organized" box is unchecked
Be careful if you let iTunes organize your music!

Kyle should never have given the stylist free rein.
If that preference IS checked, iTunes will be busy for a while, depending on how large your music collection is.
The music files will be consolidated (moved) into: “<user>/Music/iTunes Music”
Organizing

Pay attention to how you name songs, artists, and albums, so they are consistent!

“Captain & Tennille”
“Captain and Tennille”
“The Captain & Tennille”

Each go into a different folder in the Finder!
Smartlists
Smartlist

- Automatically puts songs into the list, even when they are added later
- Multiple ways of creating lists
- Limited boolean logic
Smartlist
Smart Playlist

- Match the following condition:
  - Song Name is not

- Limit to 25 songs selected by least often played

- Match only checked songs

- Live updating

Cancel | OK
Smartlist
Smartlist
Smartlist
Smartlist

[Image of Smart Playlist interface with conditions set to match all:
- Album does not contain RM-
- Year is in the range 1950 to 1959
- Genre is not Big Band
- Genre does not contain Jazz
- Genre is not Christmas

Limit to 25 songs selected by random

Match only checked songs

Live updating]
Smart Playlist

- Match all of the following conditions:
  - Album does not contain RM-
  - Album does not contain JM-
  - Year is greater than 1989
  - Genre is not Contemporary Christian
  - Genre is not Christmas
  - Genre is not Classical
  - Genre is not Comedy
  - Genre is not Folk
  - Genre does not contain Jazz
  - Genre is not Meditative
  - Genre is not New Age
  - Genre is not Game
  - Genre is not Fusion
  - Genre is not World
  - Genre is not Worship
  - Genre is not Sound Track
  - Genre is not Celtic
  - Genre does not contain Electronic
  - Comment does not contain "album only"
  - Genre is not Sounds

- Limit to 25 songs selected by random
- Match only checked songs
- Live updating
Digital Downloads