Digitizing Your Life: Music

Steven Weyhrich

My Music

My Music

My Music

TAPE RM-12
DEC 1975-JAN 1976

TAPE RM-11
DEC 1975-FEB 1976

TAPE RM-13
FEB 1976

TAPE RM-16
JUN-JUL 1976

TAPE RM-18
SEP-DEC 1976

TAPE RM-17
JUL-NOV 1976

TAPE RM-15
APR-MAY 1976

TAPE RM-14
MAR-APR 1976

TAPE RM-19
FEB-DEC 1977

TAPE RM-20
MAR-AUG 1978

TAPE RM-21
OCT-DEC 1978

TAPE RM-22
FEB-DEC 1979

TAPE RM-23
JAN-DEC 1980

TAPE RM-24
FEB-DEC 1981

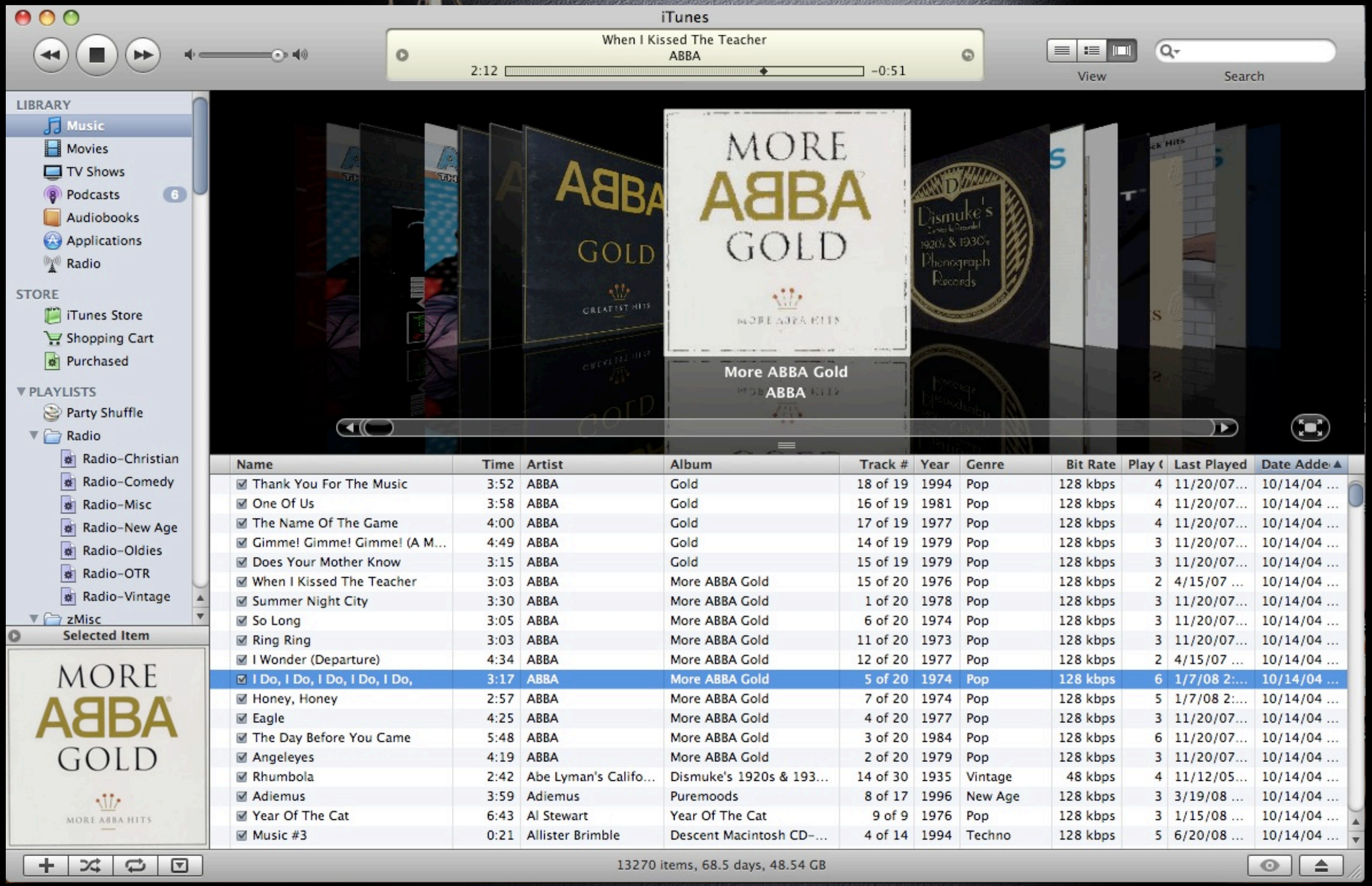
TAPE RM-25
JUL 1982-MAY 1983

TAPE RM-26
MAY 1983-AUG 1985

TAPE RM-27
AUG 1985-DEC 1986

TAPE RM-28
MAR 2000

iTunes


iTunes
When I Kissed The Teacher
ABBA
2:12
-0:51
View
Search
LIBRARY
Music
Movies
TV Shows
Podcasts
6
Audiobooks
Applications
Radio
STORE
iTunes Store
Shopping Cart
Purchased
PLAYLISTS
Party Shuffle
Radio
Radio-Christian
Radio-Comedy
Radio-Misc
Radio-New Age
Radio-Oldies
Radio-OTR
Radio-Vintage
zMisc
Selected Item
MORE ABBA GOLD
MORE ABBA HITS
MORE ABBA GOLD
GREATEST HITS
Dismuke's
1920s & 1930s
Phonograph
Records
More ABBA Gold
ABBA
Name
Time
Artist
Album
Track #
Year
Genre
Bit Rate
Play (
Last Played
Date Adde
Thank You For The Music 3:52 ABBA Gold 18 of 19 1994 Pop 128 kbps 4 11/20/07... 10/14/04 ...
One Of Us 3:58 ABBA Gold 16 of 19 1981 Pop 128 kbps 4 11/20/07... 10/14/04 ...
The Name Of The Game 4:00 ABBA Gold 17 of 19 1977 Pop 128 kbps 4 11/20/07... 10/14/04 ...
Gimme! Gimme! Gimme! (A M... 4:49 ABBA Gold 14 of 19 1979 Pop 128 kbps 3 11/20/07... 10/14/04 ...
Does Your Mother Know 3:15 ABBA Gold 15 of 19 1979 Pop 128 kbps 3 11/20/07... 10/14/04 ...
When I Kissed The Teacher 3:03 ABBA More ABBA Gold 15 of 20 1976 Pop 128 kbps 2 4/15/07 ... 10/14/04 ...
Summer Night City 3:30 ABBA More ABBA Gold 1 of 20 1978 Pop 128 kbps 3 11/20/07... 10/14/04 ...
So Long 3:05 ABBA More ABBA Gold 6 of 20 1974 Pop 128 kbps 3 11/20/07... 10/14/04 ...
Ring Ring 3:03 ABBA More ABBA Gold 11 of 20 1973 Pop 128 kbps 3 11/20/07... 10/14/04 ...
I Wonder (Departure) 4:34 ABBA More ABBA Gold 12 of 20 1977 Pop 128 kbps 2 4/15/07 ... 10/14/04 ...
I Do, I Do, I Do, I Do, I Do, 3:17 ABBA More ABBA Gold 5 of 20 1974 Pop 128 kbps 6 1/7/08 2:... 10/14/04 ...
Honey, Honey 2:57 ABBA More ABBA Gold 7 of 20 1974 Pop 128 kbps 5 1/7/08 2:... 10/14/04 ...
Eagle 4:25 ABBA More ABBA Gold 4 of 20 1977 Pop 128 kbps 3 11/20/07... 10/14/04 ...
The Day Before You Came 5:48 ABBA More ABBA Gold 3 of 20 1984 Pop 128 kbps 6 11/20/07... 10/14/04 ...
Angeleyes 4:19 ABBA More ABBA Gold 2 of 20 1979 Pop 128 kbps 3 11/20/07... 10/14/04 ...
Rhumbola 2:42 Abe Lyman's Califo... Dismuke's 1920s & 193... 14 of 30 1935 Vintage 48 kbps 4 11/12/05... 10/14/04 ...
Adiemus 3:59 Adiemus Puremoods 8 of 17 1996 New Age 128 kbps 3 3/19/08 ... 10/14/04 ...
Year Of The Cat 6:43 Al Stewart Year Of The Cat 9 of 9 1976 Pop 128 kbps 3 1/15/08 ... 10/14/04 ...
Music #3 0:21 Allister Brimble Descent Macintosh CD-... 4 of 14 1994 Techno 128 kbps 5 6/20/08 ... 10/14/04 ...
13270 items, 68.5 days, 48.54 GB

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

- 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

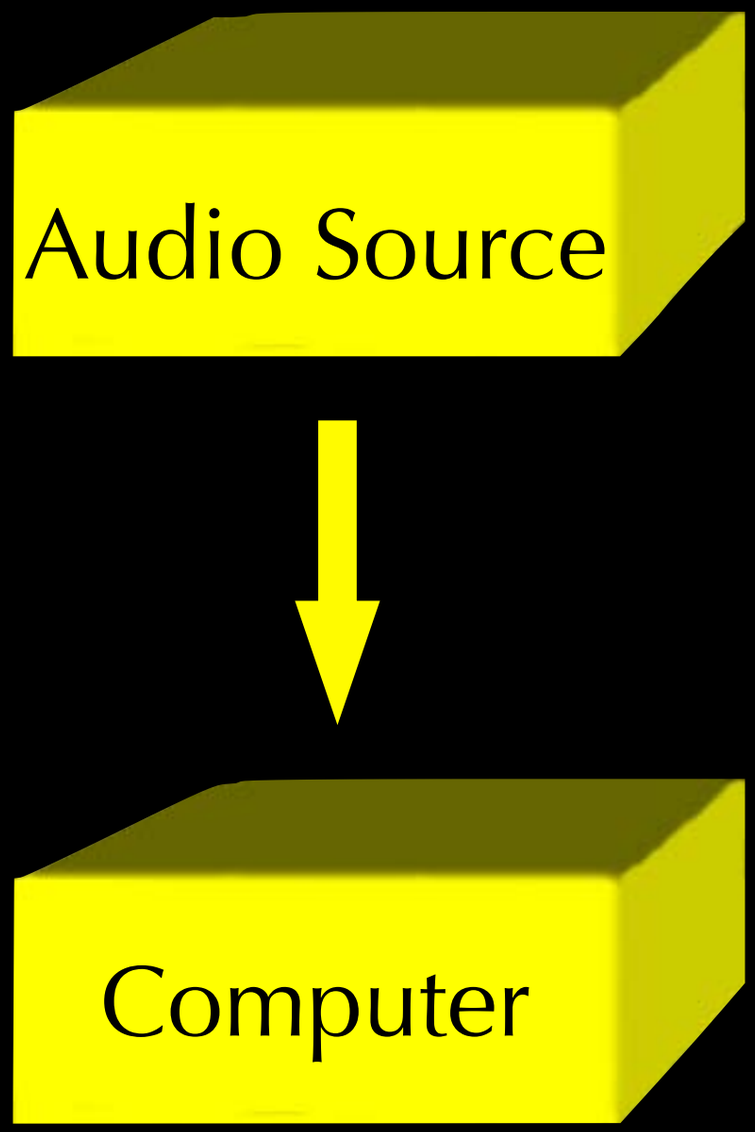
- Cassette tapes
- 8-track tapes
- Vinyl LPs & 45s
- Reel-to-reel
- 78 RPM records
- Cylinder records

Digitizing Old

Accoustic

Digitizing Old

Electronic



Digitizing Old

Hardware Setup

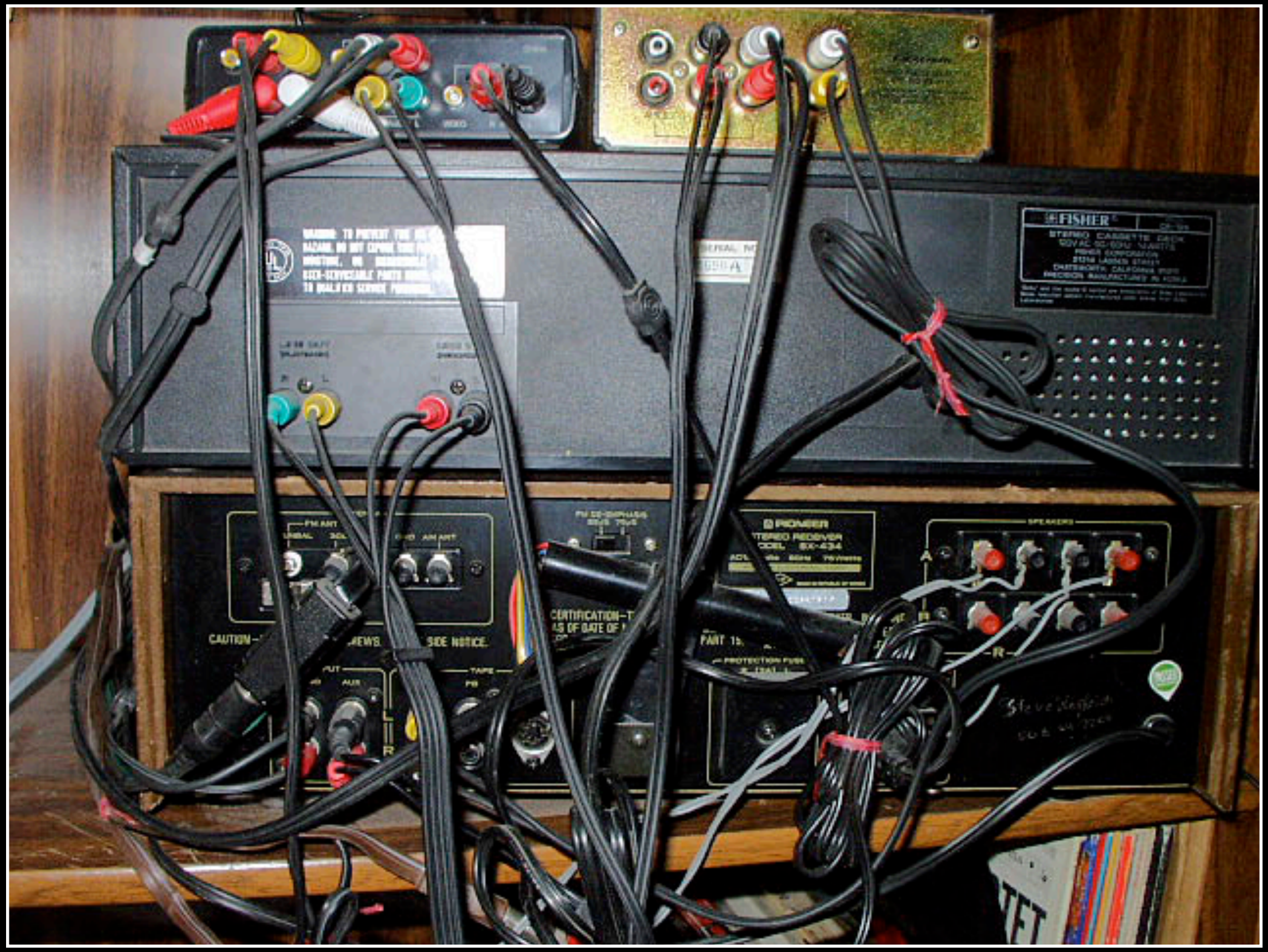
- Audio Sources:
  - Home Theater
  - Television/VCR/DVD
  - Stereo receiver/tuner
  - Tape (cassette, 8-track, reel)
  - Turntable

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

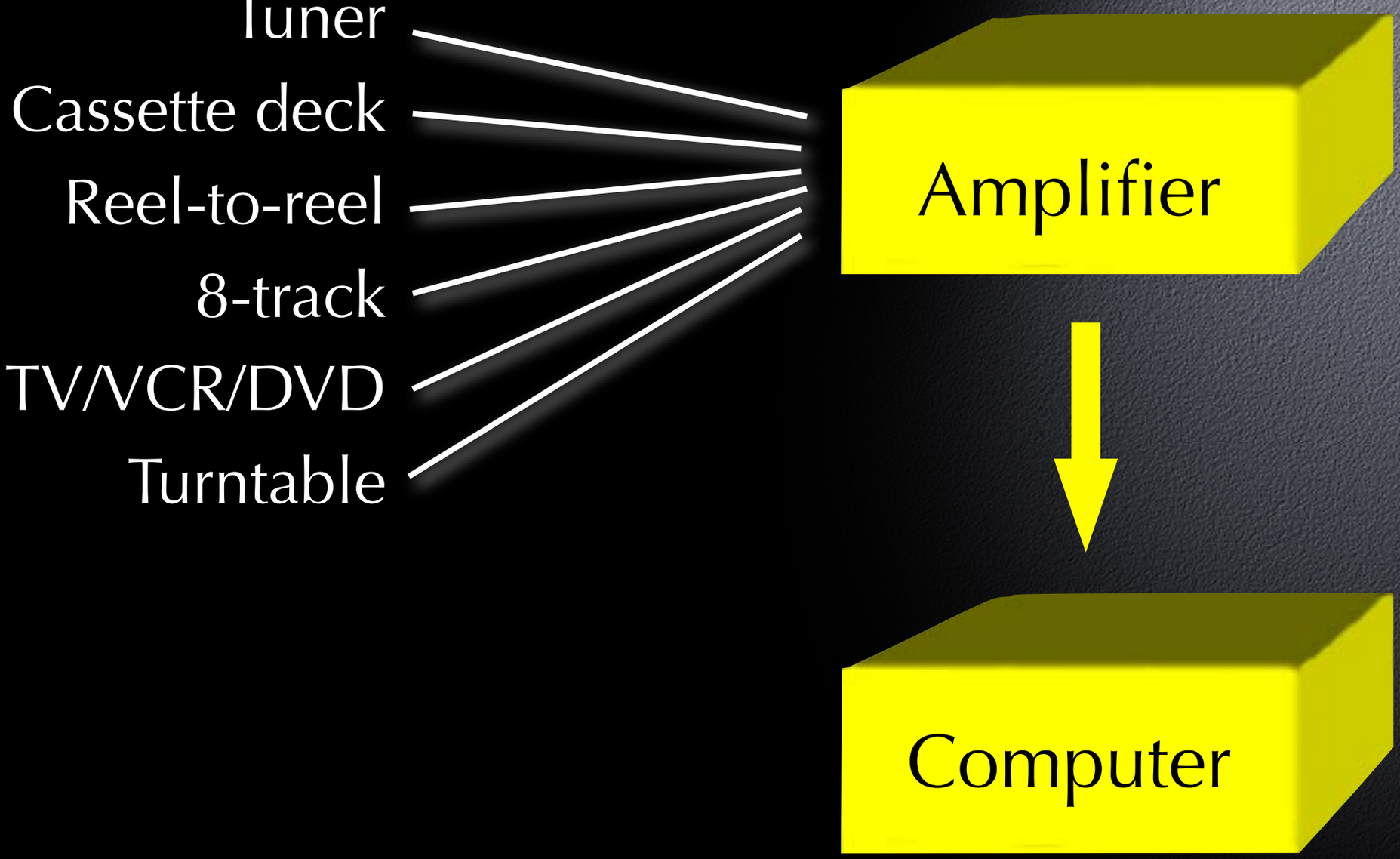
REALISTIC
STEREO AUDIO SELECTOR
POWER
EJECT
MEMOREX
PIONEER
STEREO RECEIVER
SPEAKERS
PHONES
BASS
BALANCE
VOLUME
FUNCTION


FISHER
PIONEER
SPEAKERS

UTION—DO NOT REMOVE SCREW
SEE SIDE NOTICE.
INPUT
PHONO
AUX
TAPE
REC
PB
REC/PL
ND
L
R

Digitizing Old

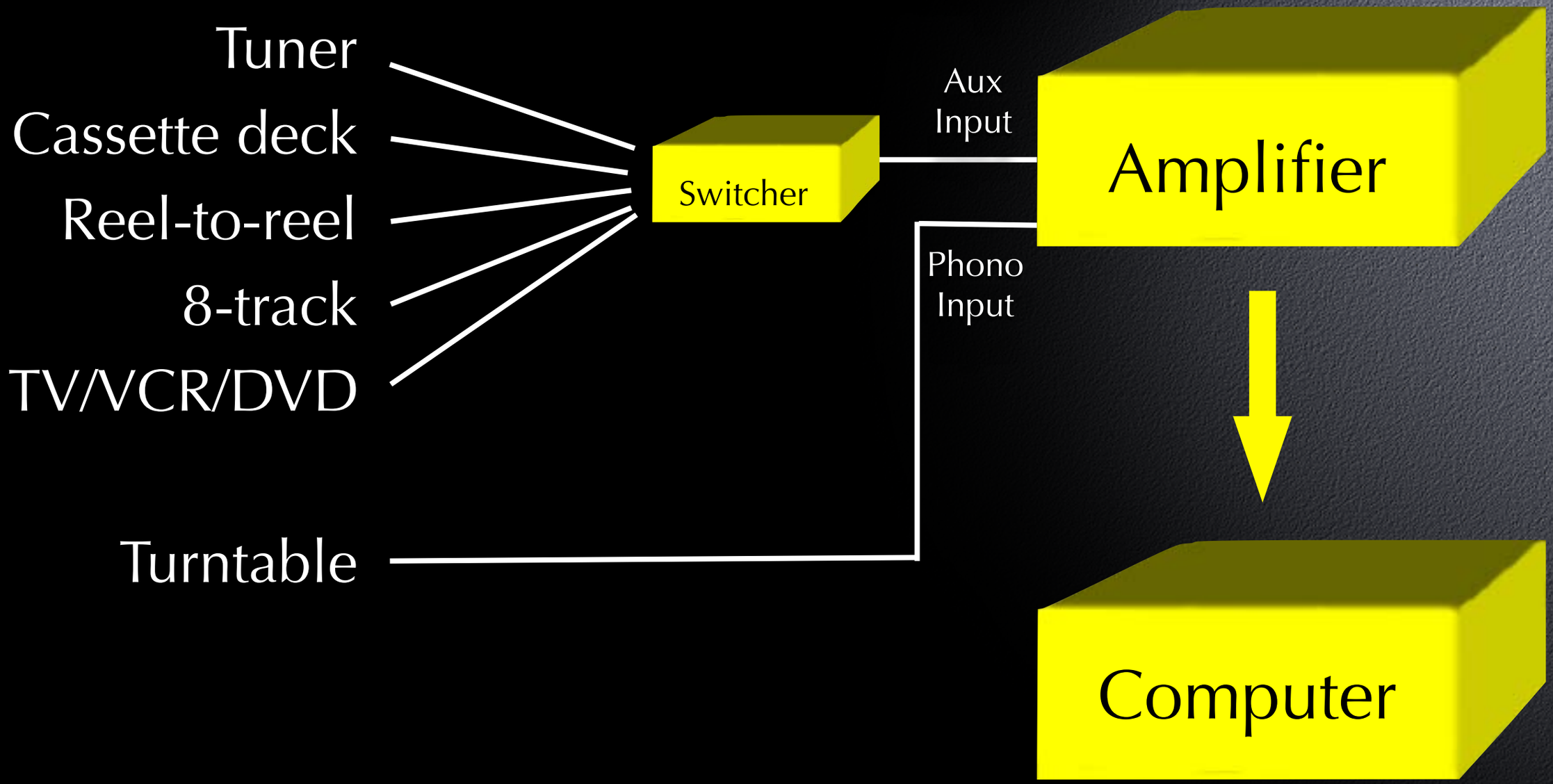
Hardware Setup



MHz
x10kHz
MONO
FM
MUTING
OFF
FUNCTION
AM
FM
PHONO
AUX
MIC

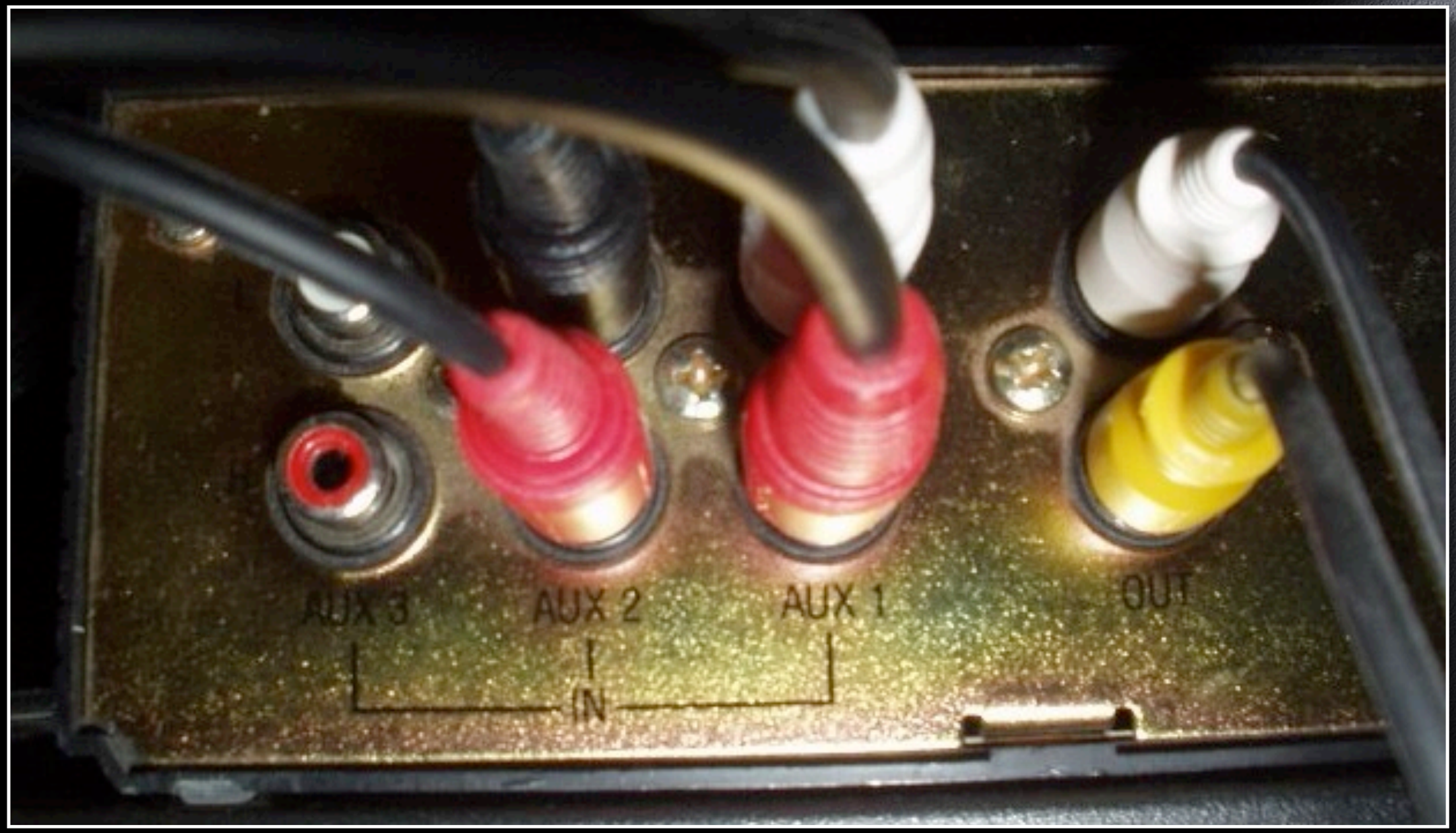
Digitizing Old

Hardware Setup



RadioShack
AUDIO / VIDEO SELECTOR
INPUT to Stereo
1
2
3
4
Computer
Tape 2
Reel
TV

CHINA
OUTPUT
VIDEO


AUX 3
AUX 2
AUX 1
OUT
IN

Digitizing Old

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

Digitizing Old

Hardware Setup

Digitizing Old

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

Digitizing Old

Hardware Setup

- Set up for recording - microphone
  - Plug microphone into “IN” socket of iMic
  - Move switch towards “MIC” icon (enables internal pre-amp)

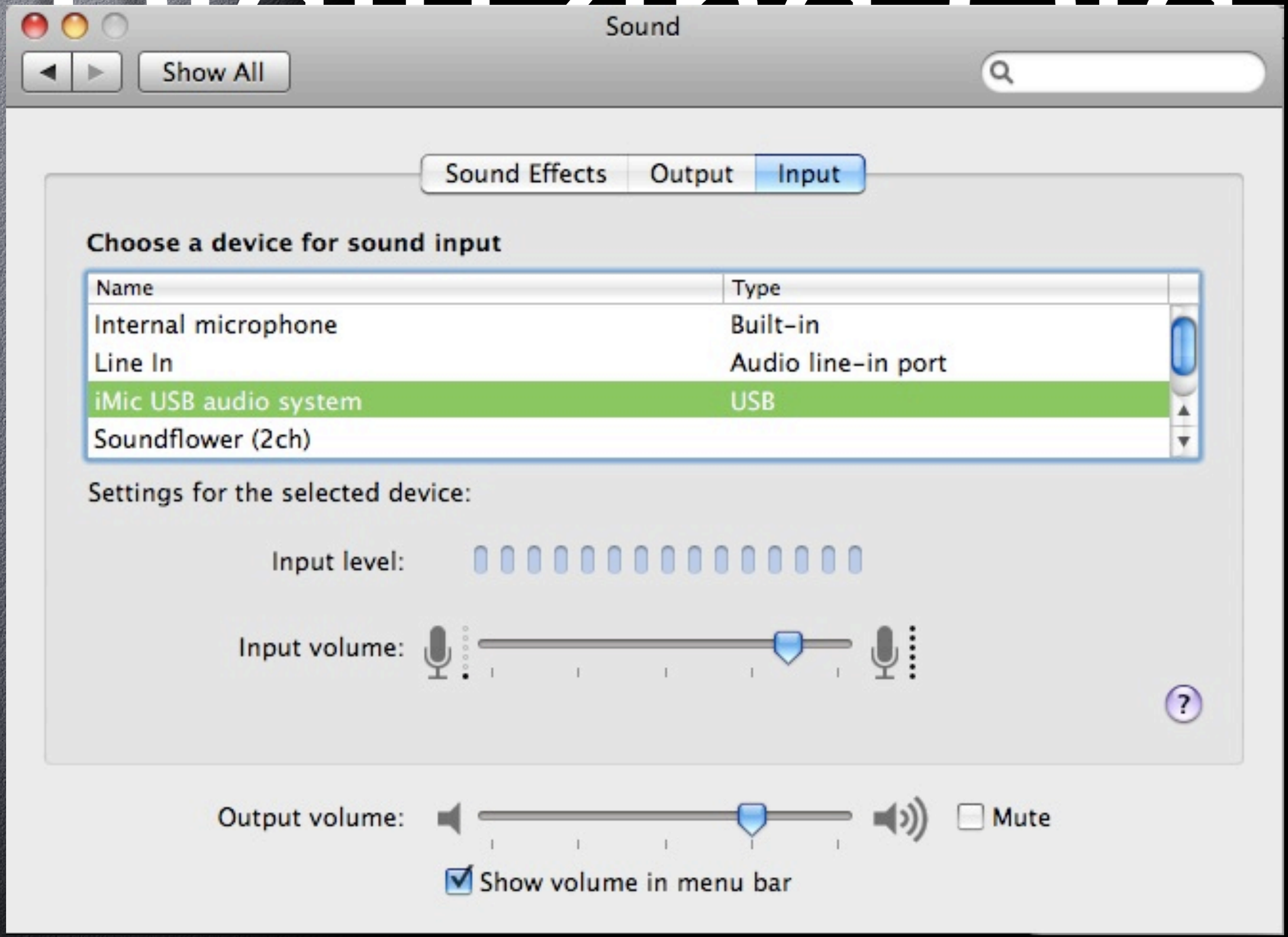
Digitizing Old

Hardware Setup

Digitizing Old

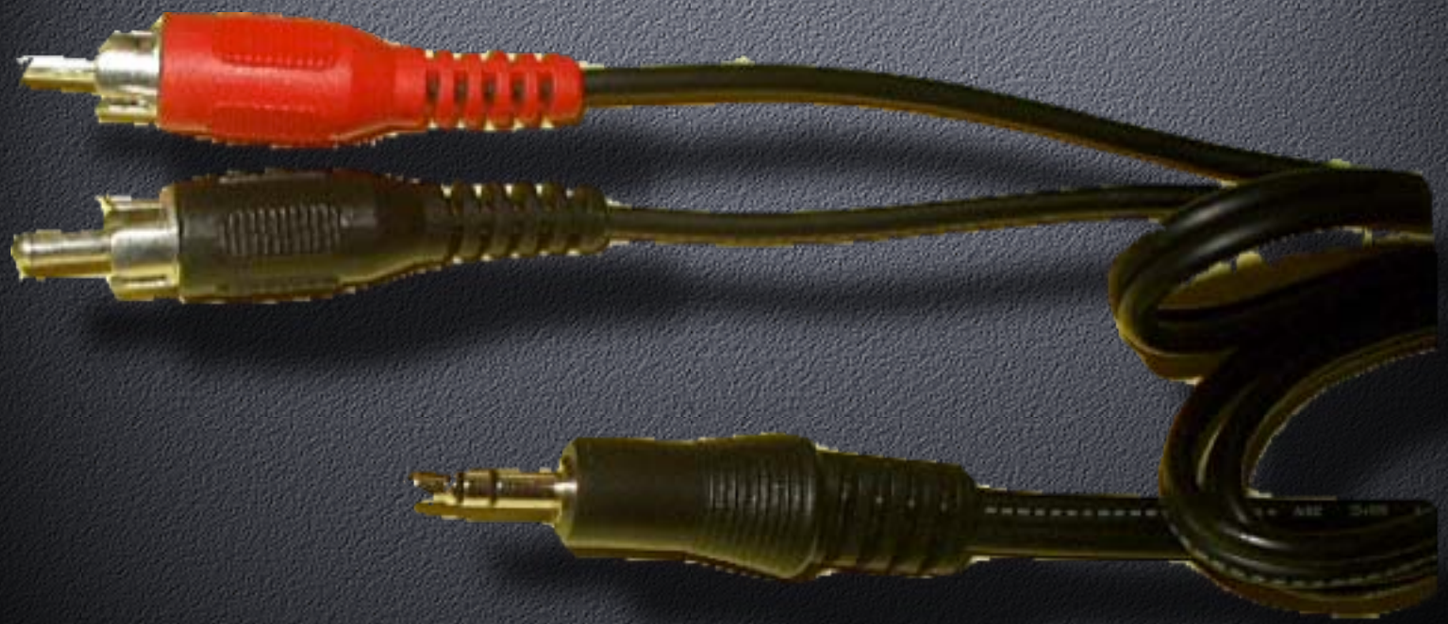
Hardware Setup

Digitizing Old



Digitizing Old

Hardware Setup



Digitizing Old

Hardware Setup

Digitizing Old

Hardware Setup

Digitizing Old

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Digitizing Old

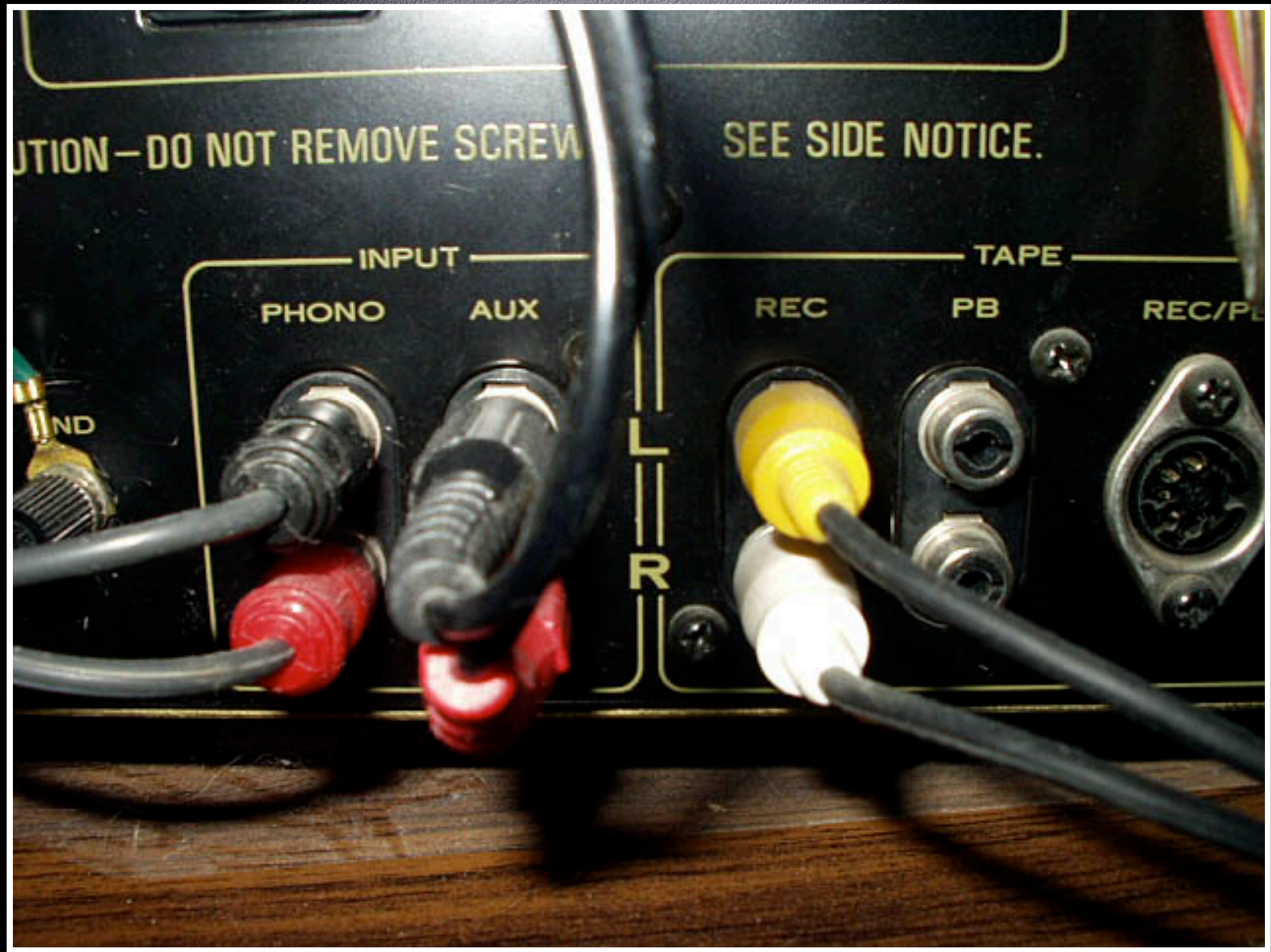
Hardware Setup

Digitizing Old

Hardware Setup

Digitizing Old

Hardware Setup


UTION—DO NOT REMOVE SCREW
SEE SIDE NOTICE.
INPUT
PHONO
AUX
TAPE
REC
PB
REC/PL
ND
L
R

UTION—DO NOT REMOVE SCREW
SEE SIDE NOTICE.
INPUT
PHONO
AUX
TAPE
REC
PB
REC/PL
ND
L
R

Digitizing Old Media

Software Setup

Digitizing Old

Software Setup

Toast Titanium

Digitizing Old

Software Setup

CD Spin Doctor

Digitizing Old

Software Setup

Audio Hijack Pro

Digitizing Old

Software Setup

Fission

Digitizing Old

Software Setup

Wiretap Studio Pro

Digitizing Old

Software Setup

PlayerPro 5.8.9

Digitizing Old

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

HEAR THE ORIGIN
AUDIO COMPACT DISCS
THIS WAS RADIO™
Disc 1
Excerpts from: Inner Sanctum Opening, Walter
Roosevelt, H. V. Ka
Franklin D. Roosevelt, Warren G. Harding, Herbert Hoover,
The Eddie Cantor Show with Bert Gor
"Archie The Manager" (1941-1952), The Eddie Cantor Show with Bert Gor
the vault. (1932-1955),
are visited by
Kingfish (1929-1960),
Duffy's Tavern: Ed Gardner as
"Professor" Mel Blanc and visits the vault. (1932-1955),
Fibber McGee and Molly (Marian and Jim Jordan) are visited by
(1942-1949), Duffy's Tavern: Ed Gardner as "Archie The Manager" (1941-1952), The Eddie Cantor Show with Bert Gor
Bud and Lou debate "Who's On First?" (1942-1949), Duffy's Tavern: Ed Gardner as "Archie The Manager" (1941-1952), The Eddie Cantor Show with Bert Gor
(1941-1953), The Jack Benny Show: Jack takes a violin lesson from "Professor" Mel Blanc and visits the vault. (1932-1955),
Fibber McGee and Molly (Marian and Jim Jordan) are visited by
(1937-1956), The Abbott and Costello Show: Bud and Lou debate "Who's On First?" (1942-1949), Duffy's Tavern: Ed Gardner as "Archie The Manager" (1941-1952), The Eddie Cantor Show with Bert Gor
(1929-1945), Amos 'n' Andy (Freeman Gosden and Charles Correll) buy a car from Kingfish (1929-1960),
Truth or Consequences, Information Please, Ma Perkins, Our Gal Sunday, Herbert Hoover,
The Lone Ranger,
Superman,
Kate Smith,
Bing Crosby,
District Attorney,
Mr.
Dragnet,
Rudy Vallee Show with Joe Penner "Wanna buy a duck?" (1929-1945), Amos 'n' Andy (Freeman Gosden and Charles Correll) buy a car from Kingfish (1929-1960),
Charlie resigns. (1937-1956), The Abbott and Costello Show: Bud and Lou debate "Who's On First?" (1942-1949), Duffy's Tavern: Ed Gardner as "Archie The Manager" (1941-1952), The Eddie Cantor Show with Bert Gor
mean middle kid" bluffs grandma and mom. (1941-1953), The Jack Benny Show: Jack takes a violin lesson from "Professor" Mel Blanc and visits the vault. (1932-1955),
Groucho Marx on "You Bet Your Life" kids around with guests. (1947-1956), Fibber McGee and Molly (Marian and Jim Jordan) are visited by
(1944-1951), The Eddie Cantor Show: Eddie reviews his career with Harry Von Zell. (1931-1949), Jane and Goodman Ace, "Eas
Senator Claghorn, Titus Moody and Mrs. Nussbaum. (1942-1949)
COMPACT disc DIGITAL AUDIO
1906#
GAA Corporation, 33 Portman Road, New
1971

Process the

	Song Name	Time	Artist	Album	Genre
1	☑ When Radio Was Young	16:59	Excerpts	This Was Radio (Disc 1)	Unclassifiable
2	☑ Comedy's Golden Age	53:57	Excerpts	This Was Radio (Disc 1)	Unclassifiable

Process the

- 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

Organizing

"Organized But Flexible"

- Has own methods of organization, but ...
- Can get along with other ones (especially if there is an advantage to changing)

Organizing

"Organized And Inflexible"

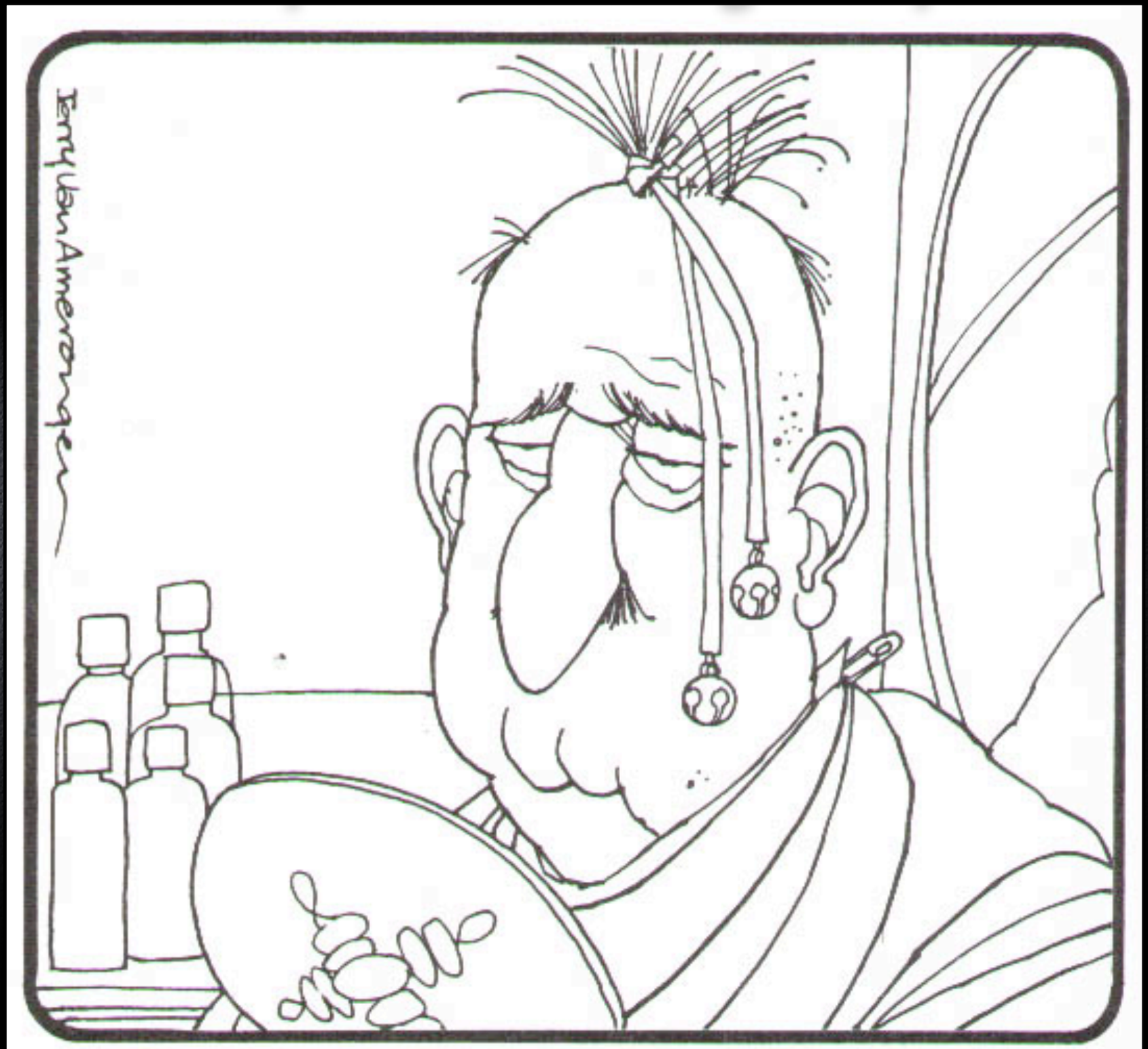
- Wants things done only ONE way
- "My way is the BEST way"

Organizing

CAUTION!

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!



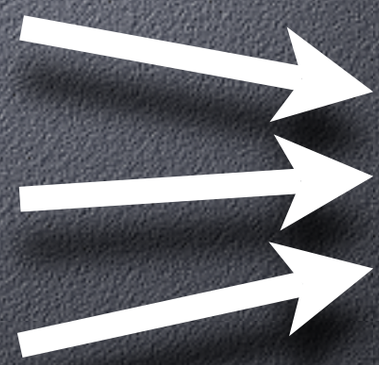
Kyle should never have given the stylist free rein.

Organizing

- 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

Source
Library
Party Shuffle
Radio
Music Store
Shopping Cart
Purchased Music
•Least Played
•My Top Rated
•Recently Played
•Top 25 Most Played

Smartlist

Source
Library
Party Shuffle
Radio
Music Store
Shopping Cart
Purchased Music
•Least Played
•My Top Rated
•Recently Played
•Top 25 Most Played
~AIFF Imports
1950s
1960s
1970-71
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
288
The Silmarillion, Volume I: ...
2:11:...
J.R.R. Tolkien
The Silmarillion, Volume I
2 of 2

Smartlist

Source
Library
Party Shuffle
Radio
Music Store
Shopping Cart
Purchased Music
•Least Played
•My Top Rated
•Recently Played
•Top 25 Most Played
~AIFF Imports
1950s
1960s
1970-71
Smart Playlist
Match the following condition:
My Rating
is greater than
Limit to
25
songs
selected by
random
Match only checked songs
Live updating
Cancel
OK
15
Me and Becky
4:19
Chris Rice
Run The Earth - Wa...
Contempor...

Smartlist

Source
Library
Party Shuffle
Radio
Music Store
Shopping Cart
Purchased Music
•Least Played
•My Top Rated
•Recently Played
•Top 25 Most Played
~AIFF Imports
1950s
1960s
1970-71
Song Name
Time
Artist
Album
Genre
Smart Playlist
Match the following condition:
Last Played
is in the last
2
weeks
Limit to
25
songs
selected by
random
Match only checked songs
Live updating
Cancel
OK
15
Good Old Days
3:16
"Weird Al" Yankovic
Even Worse
Comedy

Smartlist

Source
Library
Party Shuffle
Radio
Music Store
Shopping Cart
Purchased Music
•Least Played
•My Top Rated
•Recently Played
•Top 25 Most Played
~AIFF Imports
1950s
1960s
1970-71
Song Name
Time
Artist
Album
Genre
Smart Playlist
Match the following condition:
Artist
contains
Limit to
25
songs
selected by
most often played
Match only checked songs
Live updating
Cancel
OK

Smartlist

SmartPlaylists.com
what's y
Smart Playlists
iTunes Tips
Contribute
Archive
Questions
Contact

Smartlist

Source
Library
Party Shuffle
Radio
Music Store
Shopping Cart
Purchased Music
•Least Played
•My Top Rated
•Recently Played
•Top 25 Most Played
~AIFF Imports
1950s
1960s
1970-71
1970s
1972
1980s
1990s+
Aircheck
Audiobooks
Big Band
Smart Playlist
Match all of the following conditions:
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
Cancel
OK

Smart Playlist

Source

- Library
- Party Shuffle
- Radio
- Music Store
  - Shopping Cart
  - Purchased Music
- •Least Played
- •My Top Rated
- •Recently Played
- •Top 25 Most Played
- ~AIFF Imports
- 1950s
- 1960s
- 1970-71
- 1970s
- 1972
- 1980s
- 1990s+
- Aircheck
- Audiobooks
- Big Band
- Christmas
- Classical

Selected Song

Nothing Selected

Smart Playlist

Match all of the following conditions:

Genre	is not	Big Band
Genre	is not	Swing
Genre	is not	Christian
Genre	is not	Classical
Genre	is not	Comedy
Genre	is not	Marches
Genre	does not contain	Jazz
Year	is in the range	1960 to 1969
Album	does not contain	RM-
Genre	is not	Christmas

Limit to 25 songs selected by random

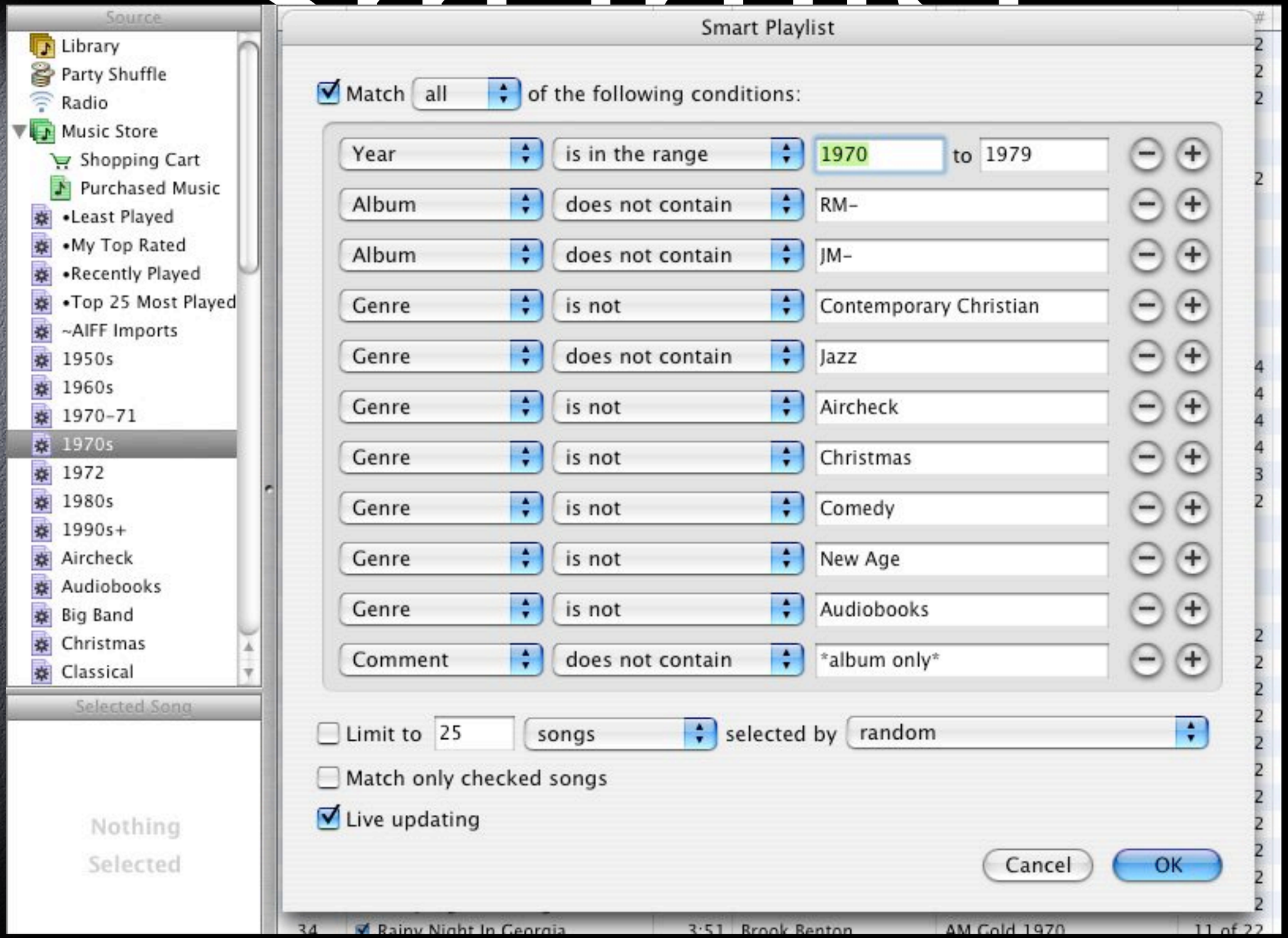
Match only checked songs

Live updating

Cancel OK

32	Will You Still Love Me Tomo...	2:42	The Shirelles	70 Ounces Of Solid Gold	14 of

Smartlist


Source
Library
Party Shuffle
Radio
Music Store
Shopping Cart
Purchased Music
•Least Played
•My Top Rated
•Recently Played
•Top 25 Most Played
~AIFF Imports
1950s
1960s
1970-71
1970s
1972
1980s
1990s+
Aircheck
Audiobooks
Big Band
Christmas
Classical
Selected Song
Nothing Selected
Smart Playlist
Match all of the following conditions:
Year is in the range 1970 to 1979
Album does not contain RM-
Album does not contain JM-
Genre is not Contemporary Christian
Genre does not contain Jazz
Genre is not Aircheck
Genre is not Christmas
Genre is not Comedy
Genre is not New Age
Genre is not Audiobooks
Comment does not contain *album only*
Limit to 25 songs selected by random
Match only checked songs
Live updating
Cancel
OK

Smart Playlist

Match all of the following conditions:

Album	does not contain	RM-	
Year	is in the range	1980	to 1989
Genre	is not	Aircheck	
Genre	is not	Comedy	
Genre	does not contain	Jazz	
Genre	is not	Contemporary Christian	
Genre	is not	Classical	
Genre	is not	Meditative	
Genre	is not	New Age	
Genre	is not	Christmas	
Genre	is not	Soundtrack	
Genre	does not contain	Electronic	
Genre	does not contain	Techno	
Comment	does not contain	*album only*	
Album	does not contain	JM-	
Genre	is not	Personal	
Genre	is not	Environmental	
Genre	is not	Worship	
Genre	is not	Airchecks	

Limit to 25 songs selected by random

Match only checked songs

Live updating

Cancel OK

Smart Playlist

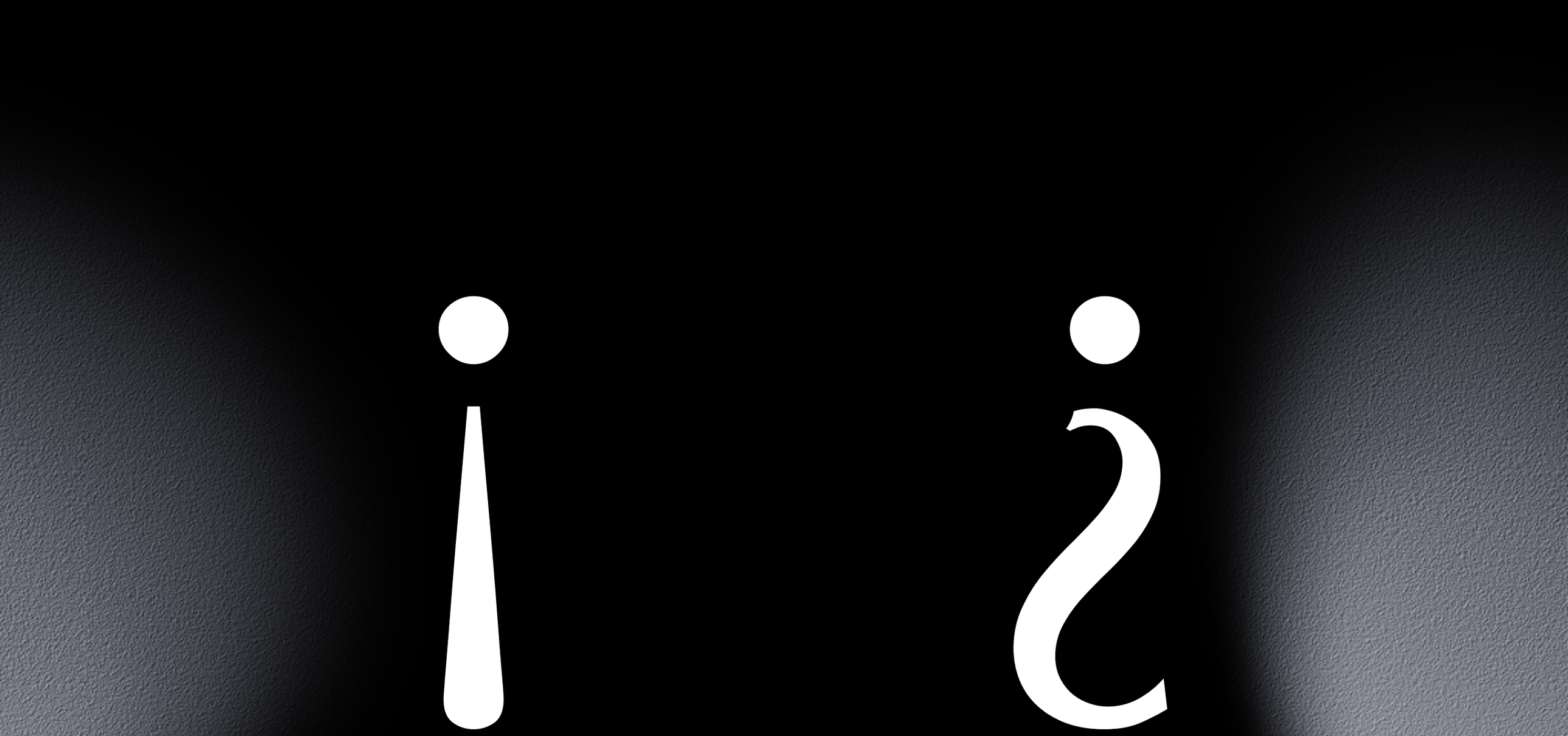
Match all of the following conditions:

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

Cancel OK

Digital Downloads