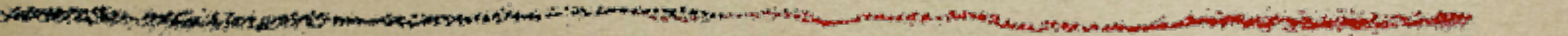


Mac Toys



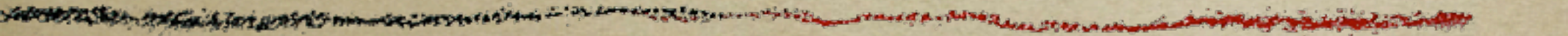
Scott Knaster

John Rizzo

Macworld Expo January 12, 2005

Session S105

Who says?
“The Mac is not a Toy.”





Shameless Self-promotion

Mac Toys

by John Rizzo and Scott Knaster

Wiley Publishing

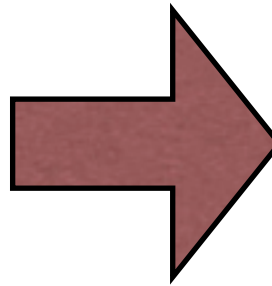
February 2004

www.amazon.com/mactoys

Today's Toys

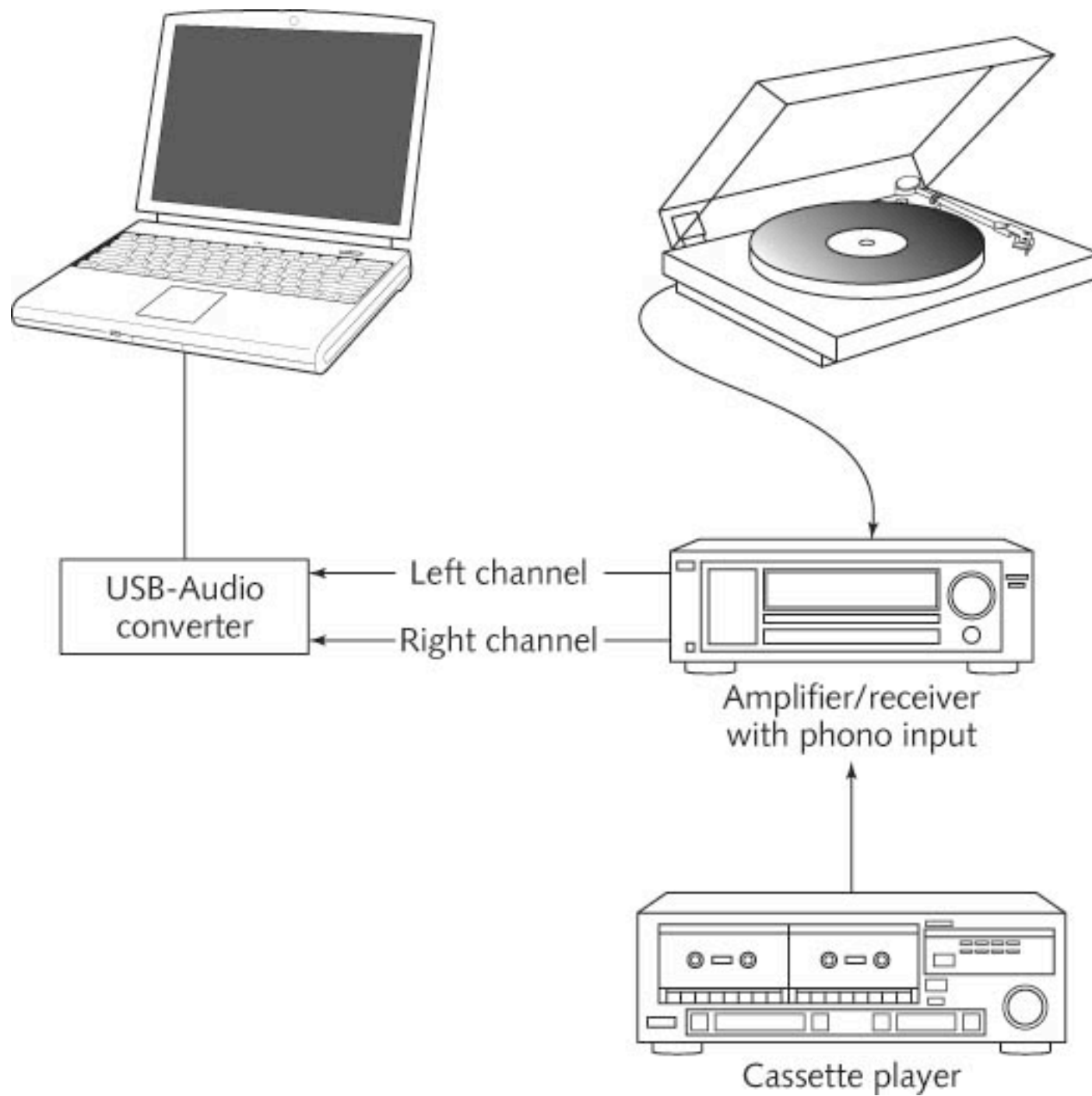
- ☑ *Convert Your Vinyl LPs to CDs*
- *Classic Video Games on Mac*
- ☑ *Build a Digital Picture Frame*
- ☑ *iPod Toys*

Convert LPs to CDs (& iPod)



Process in a Nutshell

- ☑ *Reduce noise where you can*
 - ☑ *Ground equipment*
 - ☑ *Clean your records*
- ☑ *Convert analog signals to digital*
- ☑ *Record with software*
- ☑ *Clean noise (more software)*
- ☑ *Normalize*
- ☑ *Separate Tracks*



USB Audio Converter

- *iMic from Griffin Technology*
- \$35
- *CD quality
(44 KHz, 16 bit)*



USB Audio Converter

- *M-Audio's Transit*
- *96 KHz, 24 bit*
- *\$100*



Your Turntable

- *Belt-driven better than direct-drive*
- *Get a phono pre-amp if your amp has no “Phono in” port.*
- *Change Your Belt*
- *Adjust tone arm*

Recording Software

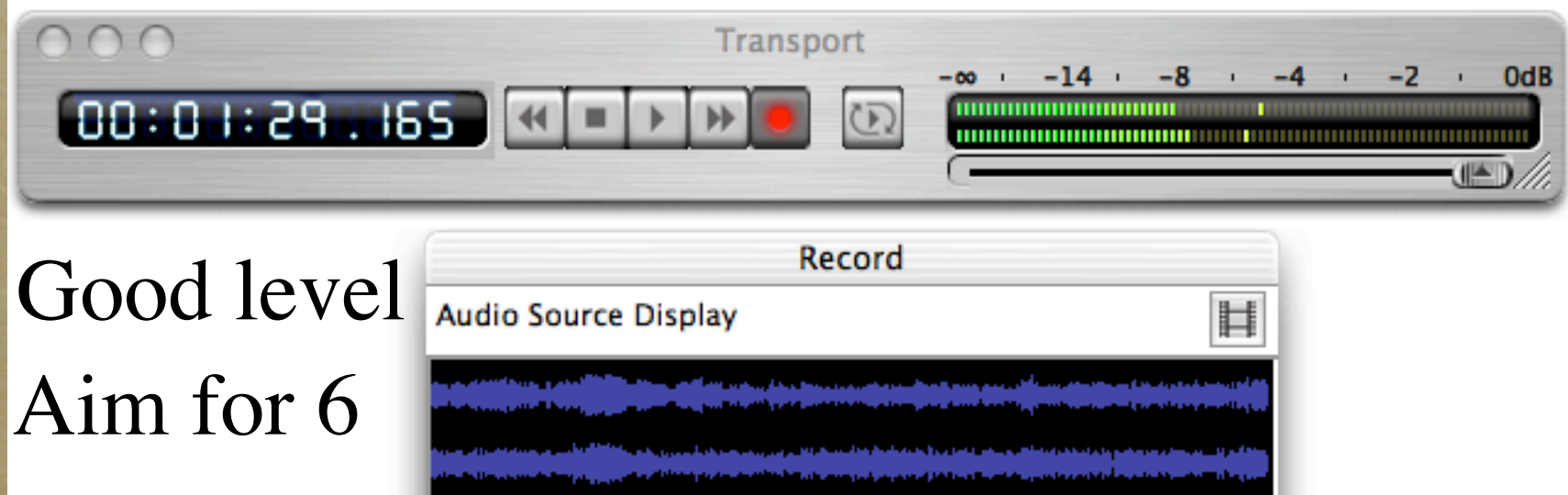
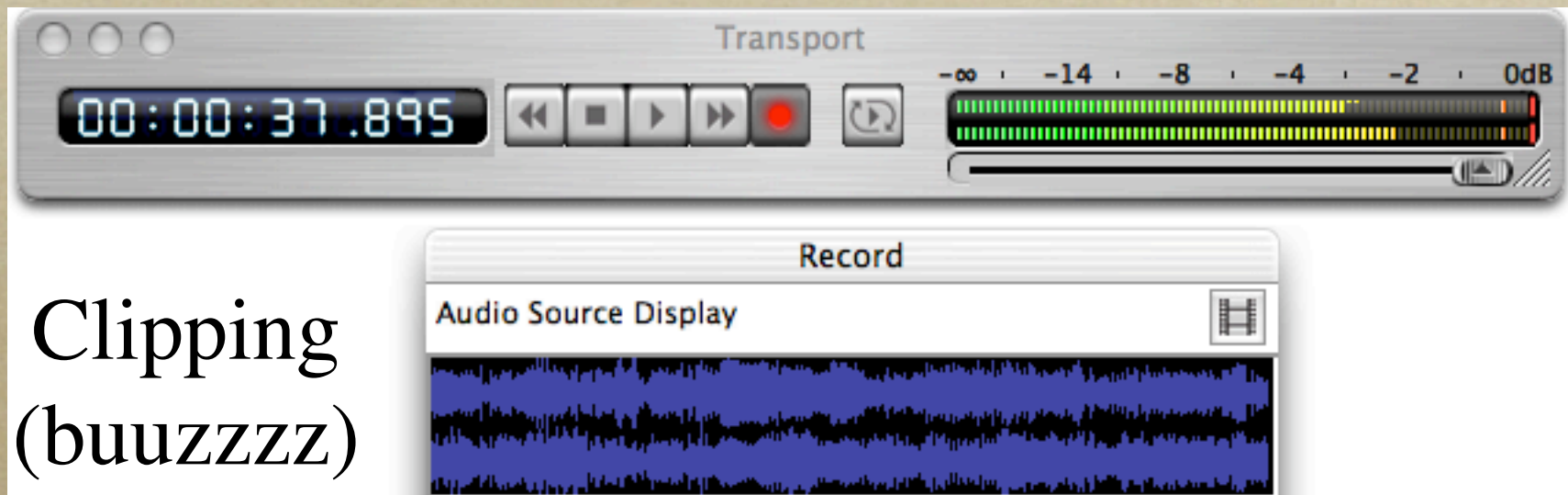
Lots of choices:

- ☑ *Amadeus II, HairerSoft (\$25 www.hairersoft.com)*
- ☑ *Sound Studio from Felt Tip (\$50 www.felttip.com)*

Recommended:

- ☑ *Peak LE from BIAS (\$99 <http://BIAS-inc.com/>)*
 - ☑ *Handy normalization feature*
 - ☑ *Markers for dividing tracks*
- ☑ *Noise reduction — Sound Soap (\$99)*

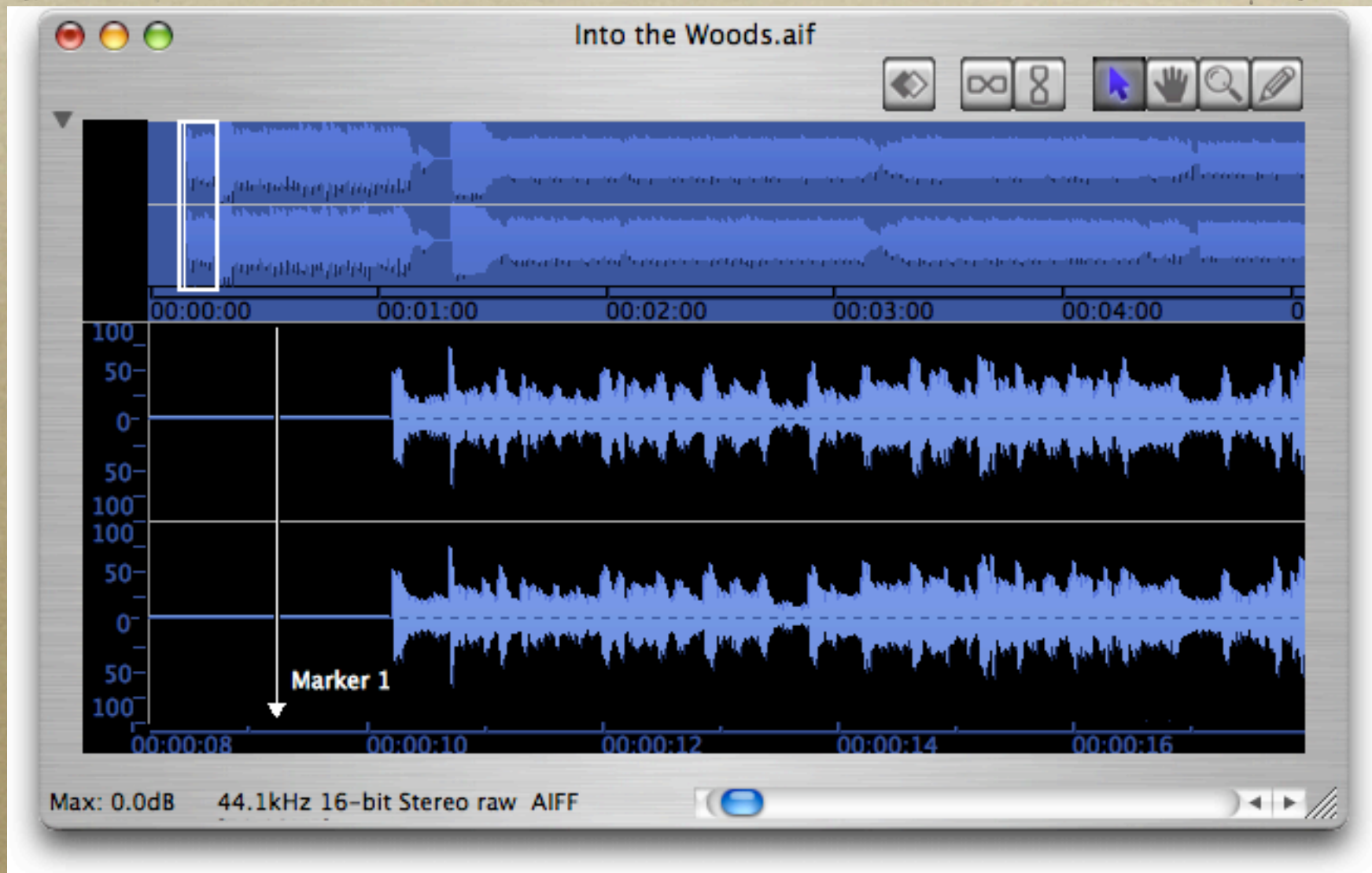
Set Recording Levels to Prevent Clipping



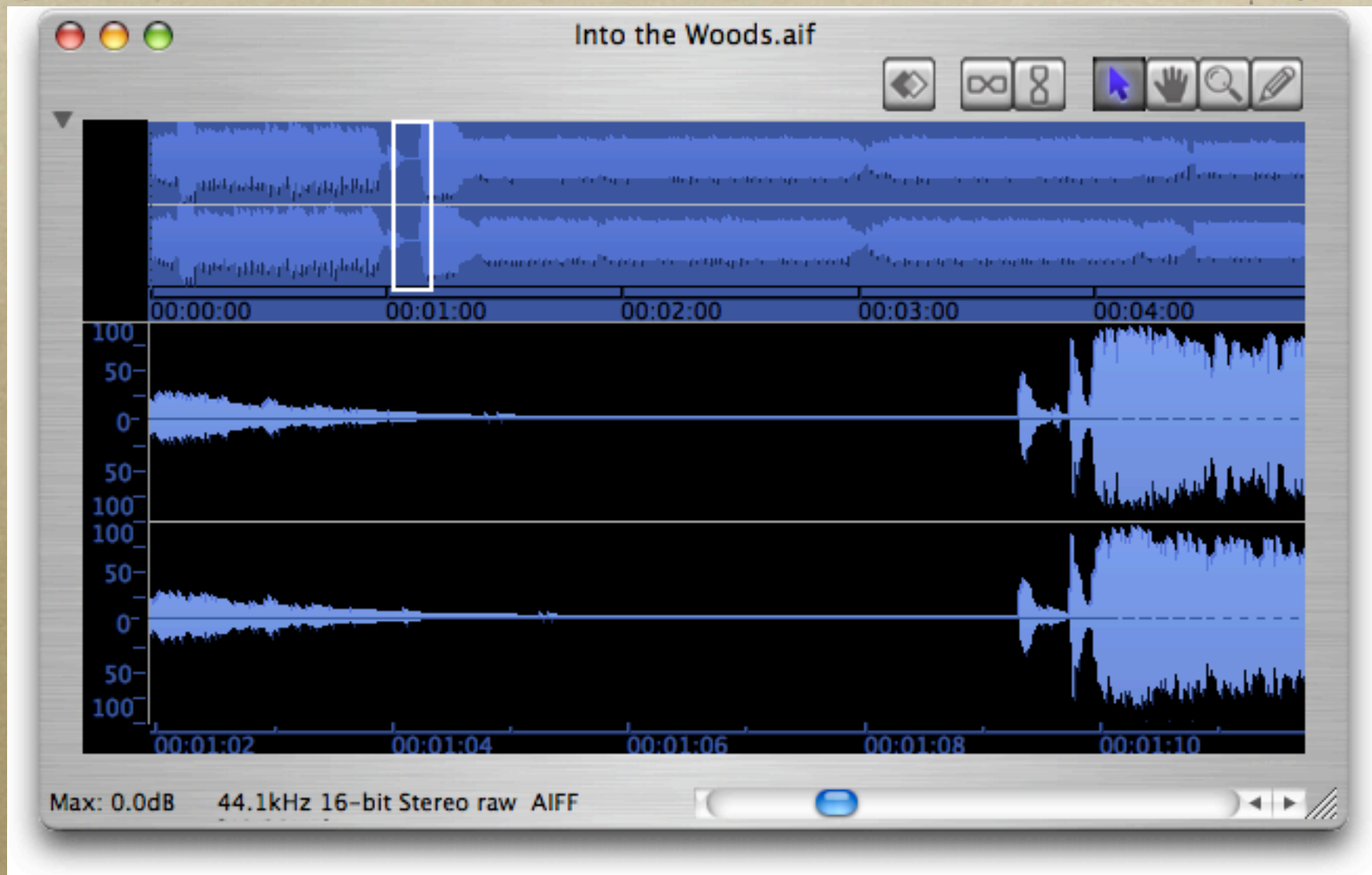
Recording

- *Hit record button first; Then start LP*
- *Record entire album side, or multiple sides in one file*
- *Noise reduction*
- *Normalize entire album file*
- *Separate into tracks after all processing*

Separating Tracks



Separating Tracks



Saving Files

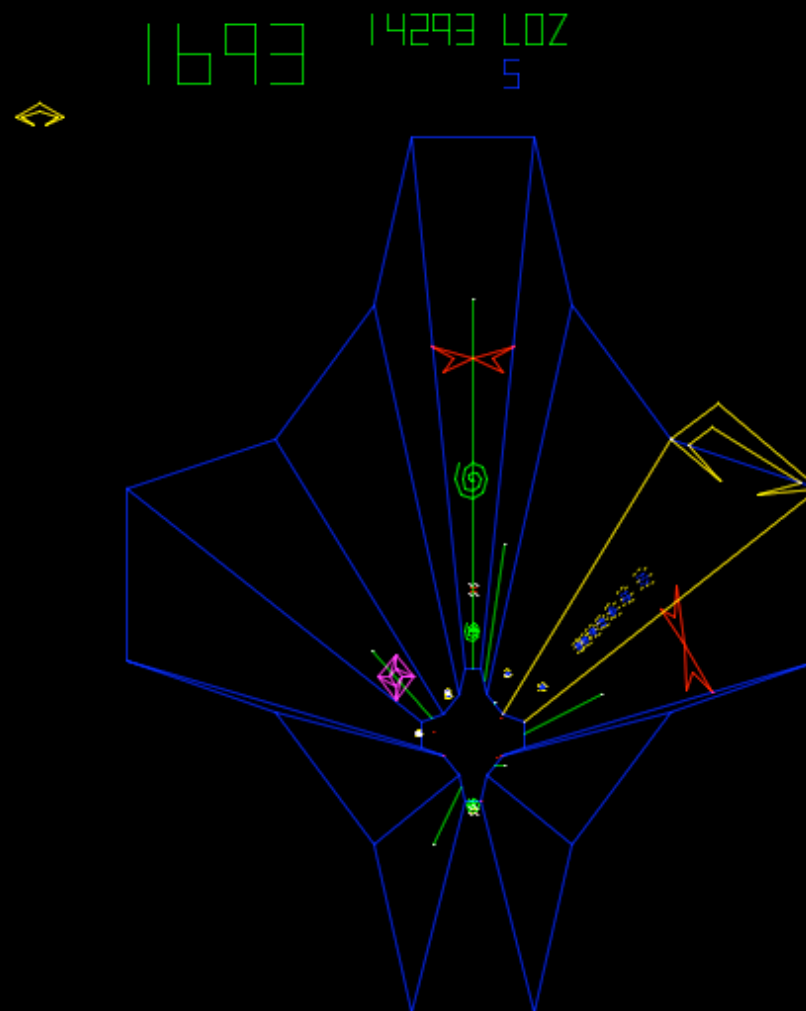
- *Save as uncompressed AIFF for disc*
 - *For creating audio CD, 44 kHz, 16 bit*
 - *When burning, NO gaps between tracks*
- *Convert to AAC or MP3 for iPod*

Classic Video Games



MameMAME

www.mamame.org



MacMAME

Group by year

- 1978
 - Space Invaders
- 1979
 - Lunar Lander (rev 2)
- 1980
 - Tempest (rev 3)
- 1981
 - Frogger
 - Ms. Pac-Man
- 1982
 - Tron (set 1)
- 1983
 - Discs of Tron (Upright)
 - Discs of Tron (Environmental)*
 - Discs of Tron (Upright alternate)*
 - Star Wars (rev 2)
- 1985
 - The Empire Strikes Back

Info

Video

Audio

Reports

Misc

Cabinet Art



Options...

Quit

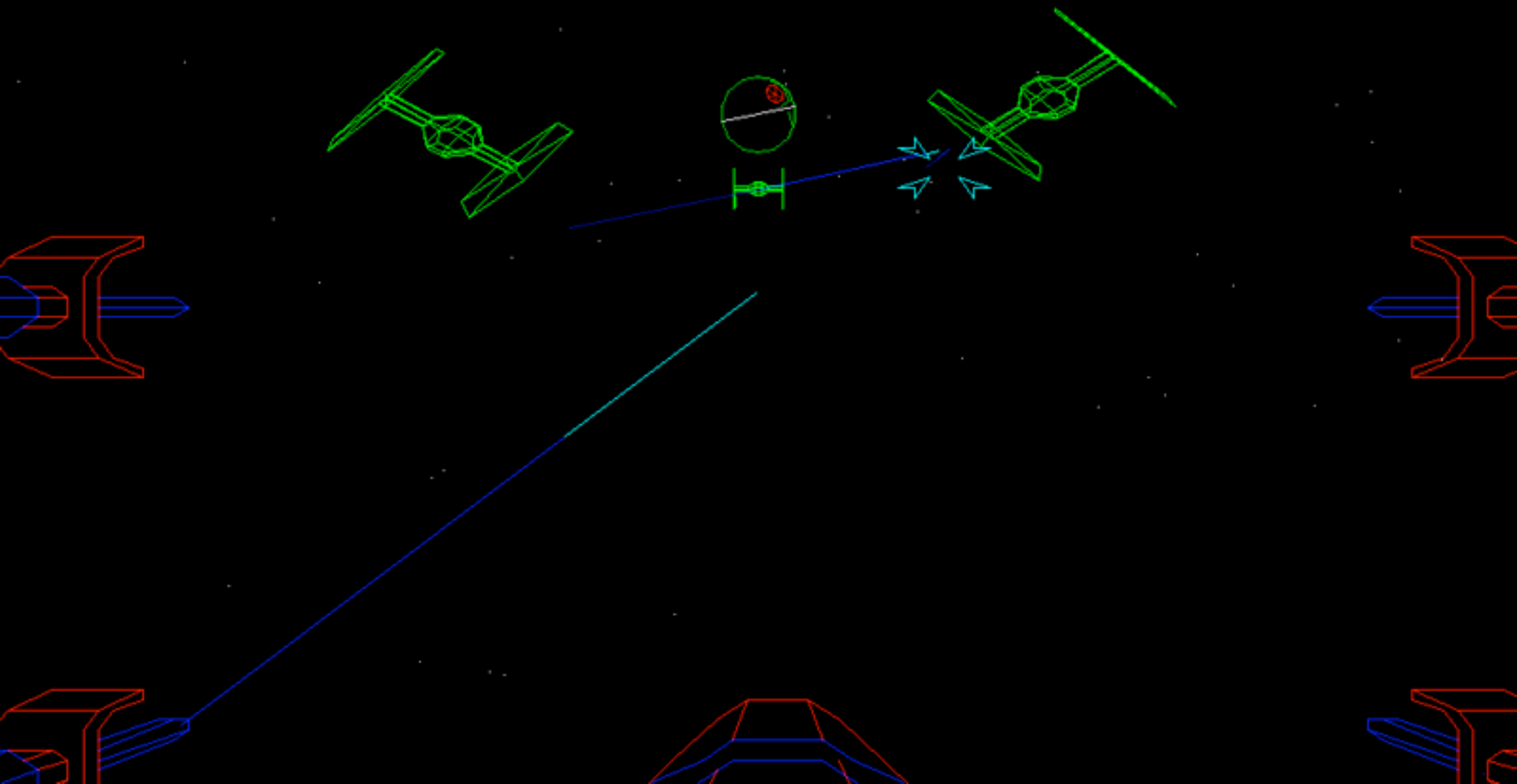
Play

SCORE
00



3 WAVE

SHOOT FIREBALLS





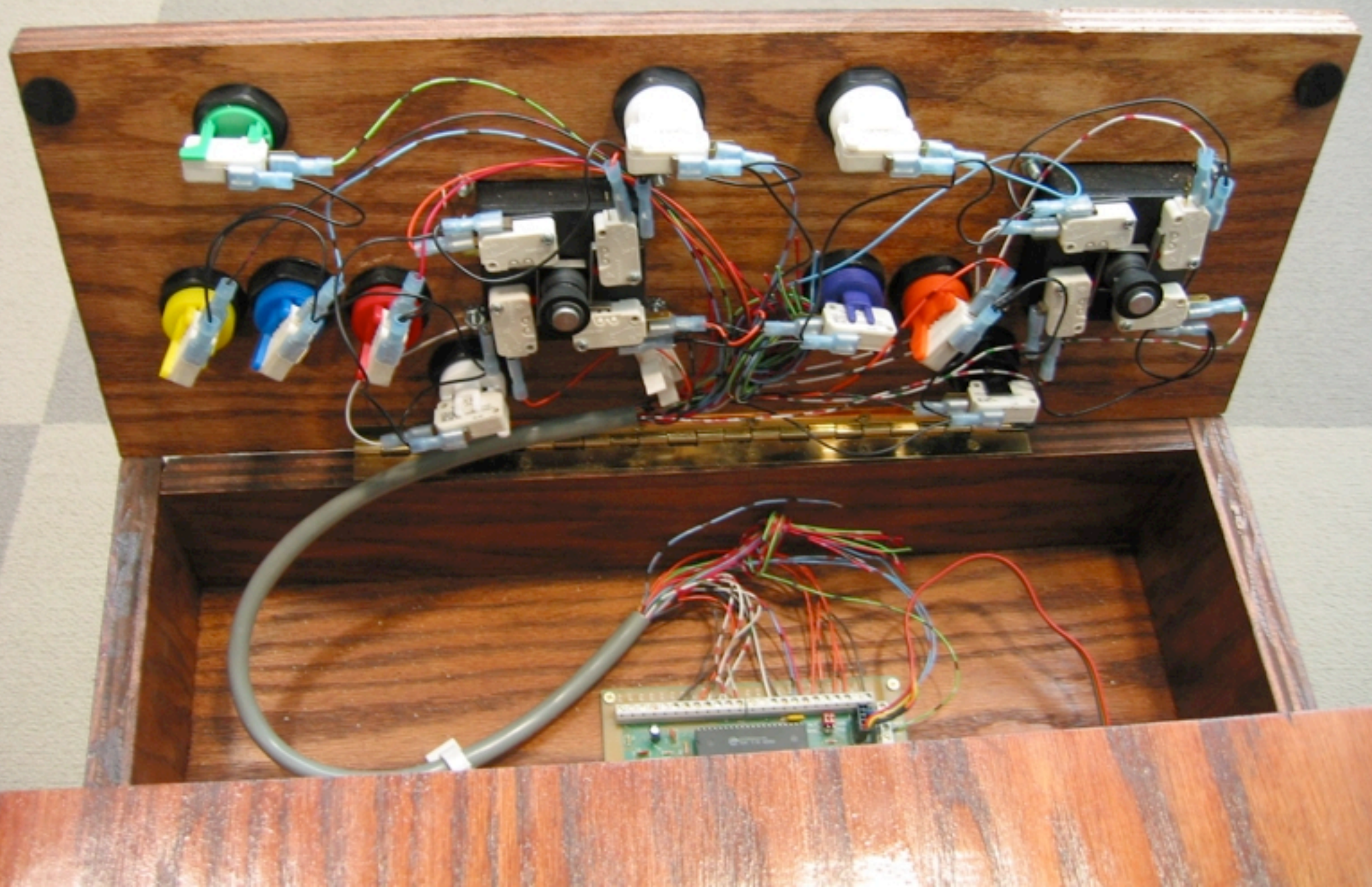


X-Arcade

- *\$180 2-player; \$130 single player (USB)*
- *www.xgaming.com/apple.shtml*











Enhancing Your iPod

- *Power savers*
- *In the car/traveling*
- *Cramming more functionality into iPod*

Stretching iPod Battery Life

- *Turn off Equalization (EQ)*
- *Don't use AIFF files (files over 9 MB)*
- *Avoid Previous/Rewind and Next/Fast-Forward buttons*
- *If you must use backlighting, set backlight timer*
- *Keep iPod warm*

FUKUSHIMA
UP325-305 P4H
10KHI03F

+

-

MODEL: LIS1225APP (TW)

E73362

Internal iPod Battery

- *Replacement battery ~\$60*
 - *Laptops for Less (www.ipodbattery.com)*
 - *PDA Smart (www.pdasmart.com/ipodpartscenter.htm)*
- *What's better: frequent charging or let it drain?*

Answer: Frequent Charging

Belkin External Battery Pack

- \$60
- 12-15 hours
- AA Batteries



BTI iPod Battery

- *External rechargeable clip-on battery*
- *Also \$60, but 40 hours*
- *BTI Technology (www.batterytech.com)*
- *Shipping in February*



Play iPod over Car Stereo

Griffin Technology

iTrip \$35



Transpod II

- *iPod holder, power, and wireless connection*
- *\$80*
- *www.netalog.com*

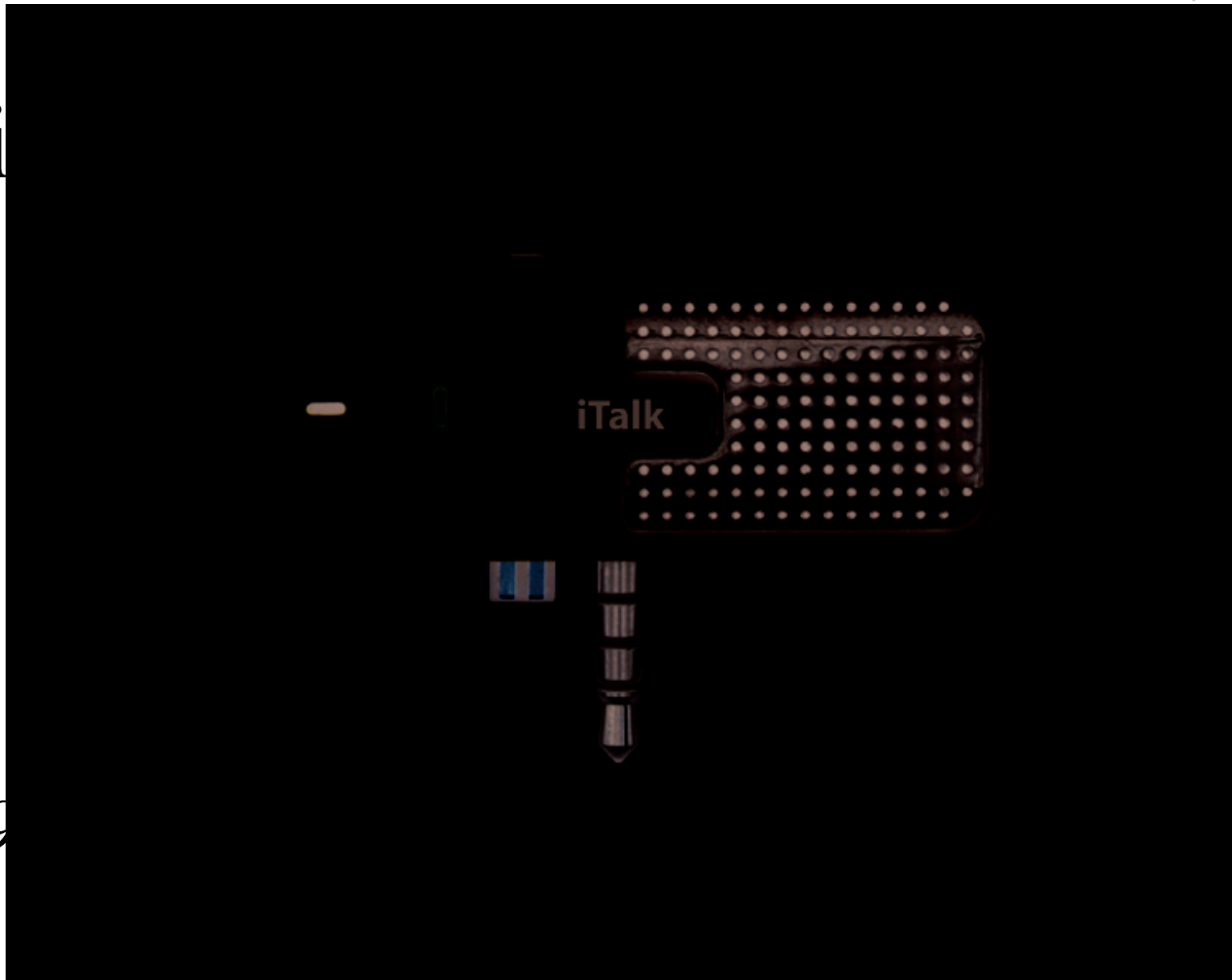


Expanding Functionality

- *Download driving directions: MibaSoft's PodQuest (\$10, www.mibasoft.dk/podquest.html)*
- *iPod as Backup for iTunes: iPod.iTunes (\$35, www.crispsofties.com). Restores songs and playlists.*

iPod as Dictation Machine

Gri



\$39





Linux on iPod



Linux on iPod

- *Who?* Bernard Leach
- *Why?* Because it's there.
- *Where?* <http://ipodlinux.sourceforge.net/>

Shameless Self-promotion

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Wiley Publishing

January 2005

www.amazon.com/mactoys