



**Digitizing -  
Records & Tapes  
to CDs and MP3s**

**Spring 2013**

**Wally Venable**

**Wallace-Venable.name/ALL\_at\_WVU**

**Wallace-Venable.name/ALL\_at\_WVU/LP-2-CD**

# Four Areas

- Hardware
- Data acquisition software
- Editing audio files
- Exporting/saving to files and CDs

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  - Data acquisition software
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  - Exporting/saving to files and CDs

# **Not About Video Files or Movies**

- Complex hardware & software requirements
- Complex editing procedures

# Stand-Alone Video Conversion



## Magnavox DVD Recorder & 4-Head Hi-Fi VCR with Line-In Recording, ZV427MG9 **\$168.00**

Dust off those video tapes and enjoy VHS movie formats with the Magnavox DVD Recorder ZV427MG9 with Line-In Recording. This Magnavox DVD Recorder & 4-Head Hi-Fi VCR features 1080p up-conversion and 2-way dubbing, so you can record VHS tapes to DVD, or vice versa. Plus, the Magnavox DVD Recorder & 4-Head Hi-Fi VCR can record for up to six hours — so sit back and enjoy the show. The DVD and VCR recorder is also equipped with an HTMI output. The Magnavox DVD Recorder ZV427MG9 with Line-In Recording has multiple functions and is great for utilizing your entire movie collections.

### **Magnavox DVD-R and 4-Head Hi-Fi VCR Combo with Line-In Recording, ZV427MG9**

- 1080p Up Conversion
- Progressive Scan Video Out
- 5-Speed for Up to 6-hours Recording
- Dolby Digital Stream Out
- The Magnavox DVD Recorder ZV427MG9 with Line-In Recording features 2 Way Dubbing (VCR>DVD, DVD>VCR)
- Satellite Link Recording
- S-Video Input/Output
- HDMI Output

Do you have questions about this product? [Ask a question.](#)



# Stand-Alone Video Conversion



## Magnavox HDD and DVD Recorder with Digital Tuner, 320GB **\$229.<sup>98</sup>**

List Price: ~~\$299.99~~

**Buy from Walmart**

Online • Store pickup

Record media in high resolution with the Magnavox 320GB HDD and DVD Recorder. This HDD and DVD Recorder with Digital Tuner lets you watch, forward, rewind or freeze live TV while recording. With a hard drive capacity of 320 GB, you can put an end to disorganized drawers of VHS tapes by selecting media to watch in-menu. Featuring 1080p up-conversion, the Magnavox HDD DVD Recorder provides faithfully high definition recording of your favorite shows or movies. Unlike TiVo, there is no monthly subscription fee and it functions much like a VCR. With 4-way dubbing and Dolby Digital stream out, the Magnavox 320GB HDD and DVD Recorder with Digital Tuner will become an indispensable part of your TV-watching regimen. A DV-input allows you to connect the device to other electronics for storage so that you can keep recording your favorite shows. If you're looking for a smart digital recording solution, consider buying the Magnavox 320GB HDD and DVD Recorder.

### Magnavox 320GB HDD and DVD Recorder with Digital Tuner:

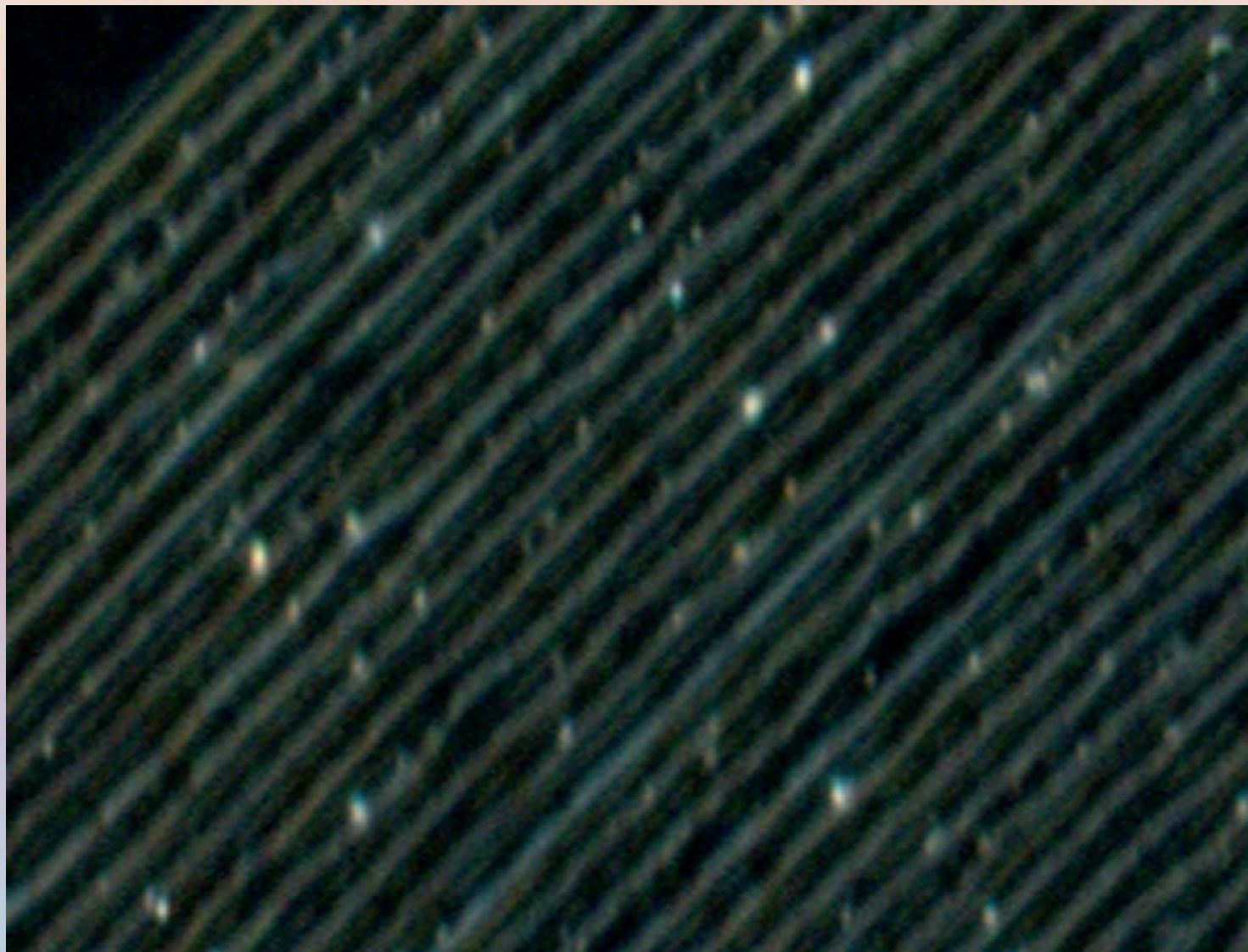
- 1080p up-conversion
- Watch, forward, rewind or freeze live TV while recording
- Recording capacity of 320 GB
- 4-way dubbing
- Dolby Digital stream out
- Virtual Surround System
- DV-Input

# Video Capture Packages

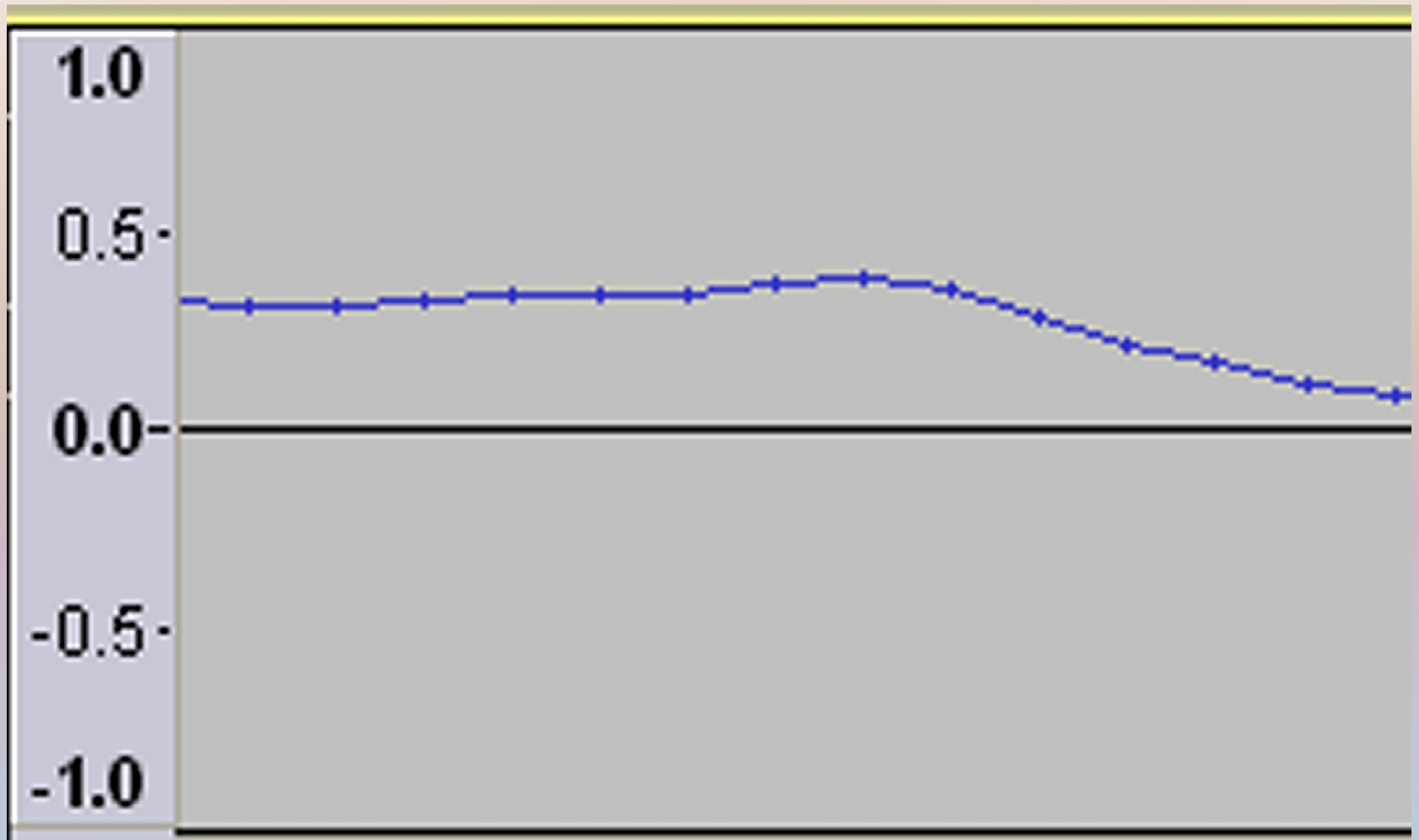




# Analog vs. Digital “Sounds”



# Analog vs. Digital “Sounds”





# Audio to CD Appliances

- Stand-Alone Hardware – **NO COMPUTER**
- Easiest to use
- No Editing Capability – No Conversions



3-speed turntable



CD Player AND Recorder



Cassette



Aux. input for iPod or MP3 player

**Nostalgic styling meets 21st century technology — it even records CDs!**

This Anders Nicholson® 6-in-1 stereo system does more than play everything from Elvis to Lady Gaga — it records them on CDs! A combination of 1930's styling and today's technology, it features a three-speed turntable that plays 78s, 45s and LPs, an AM/FM tuner plus a drawer type CD recorder that lets you record from your records or cassettes. Also features side-mounted cassette player, two full range cloth covered grill speakers at the corners, programmable 32-track memory, LCD display with backlight, AUX input for connecting another audio source and more. Cherry wood cabinet is 20-1/8" x 13-1/2" x 11-7/8".

**Anders Nicholson**

★★★★★ "...great present for myself. I have a lot of tapes, that I love, to copy to CD and this machine is going to be perfect for that." - AS, Brighton, MA

**Mfr. Sugg. Retail: \$349.99**  
**ORIGINALLY: ~~\$299.99~~ \$249.99**  
**NOW ONLY**

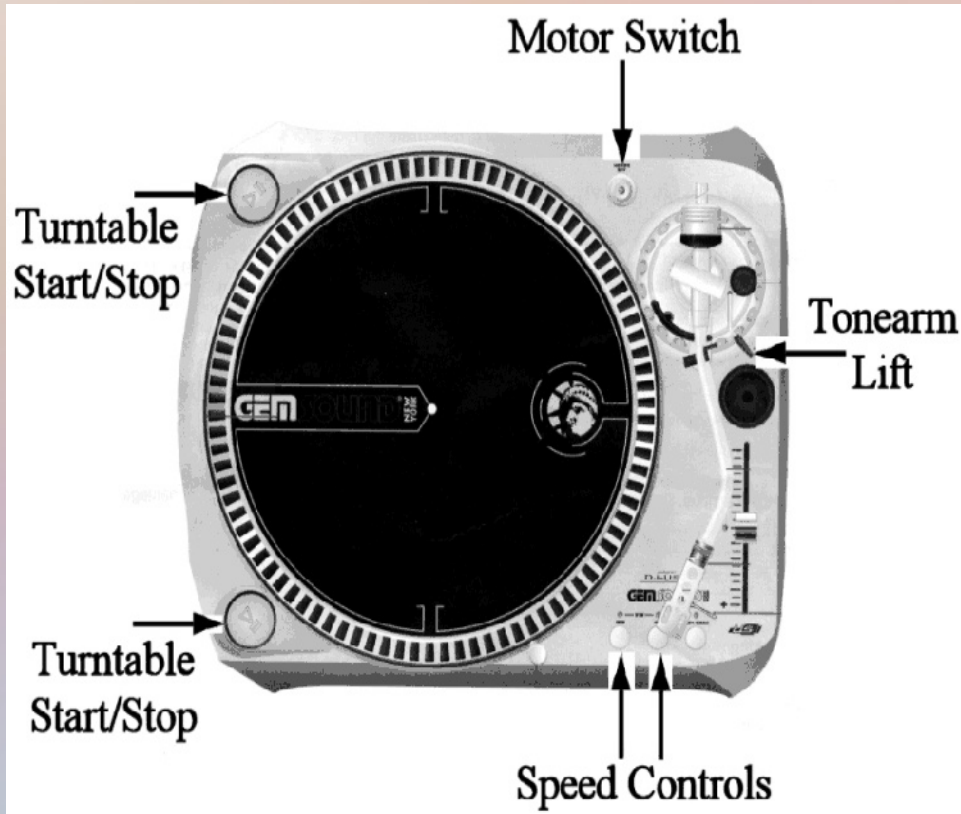
Item No. R2-96551 Ovrwt. shpg. \$9.95

\* iPod shown not included. iPod is a registered trademark of Apple Inc.



# Audio Computer Input Hardware

- Stand-Alone Hardware
- Easiest to use



## Crosley Collegiate CR6010A-BL 3-Speed Portable USB Turntable, Navy Blue

Buy from Walmart

Online **\$79.<sup>98</sup>** List Price: ~~\$129.99~~

- Free store pickup





# Audio Computer Input Hardware

- Stand-Alone Hardware
- Easiest to use

**Don't throw out your old cassettes!  
Record them in digital format directly  
onto your PC and enjoy them forever!**

**GRACE**  
DIGITAL AUDIO



The sound quality on your old cassettes is degrading daily. Capture the music before it's gone forever! **It lets you record all of your favorite tunes from cassette to your PC and then burn them onto CDs or load them onto your MP3 or iPod®\***. Also features a 2-1/2" speaker with volume control that lets you monitor your progress, full featured Audacity software, counter display & record times, RCA jacks, metal/Cr02 tape compatibility & USB port. Comes with USB cable, RCA cord and power adapter. PC or Mac compatible. Model may vary from photo. 90-day ltd. warr.

**Compare At: \$184.99**

**WAS: ~~\$109.99~~**

Item No. R2-41940

**\$6999\***

**Club Price \$61.99\***



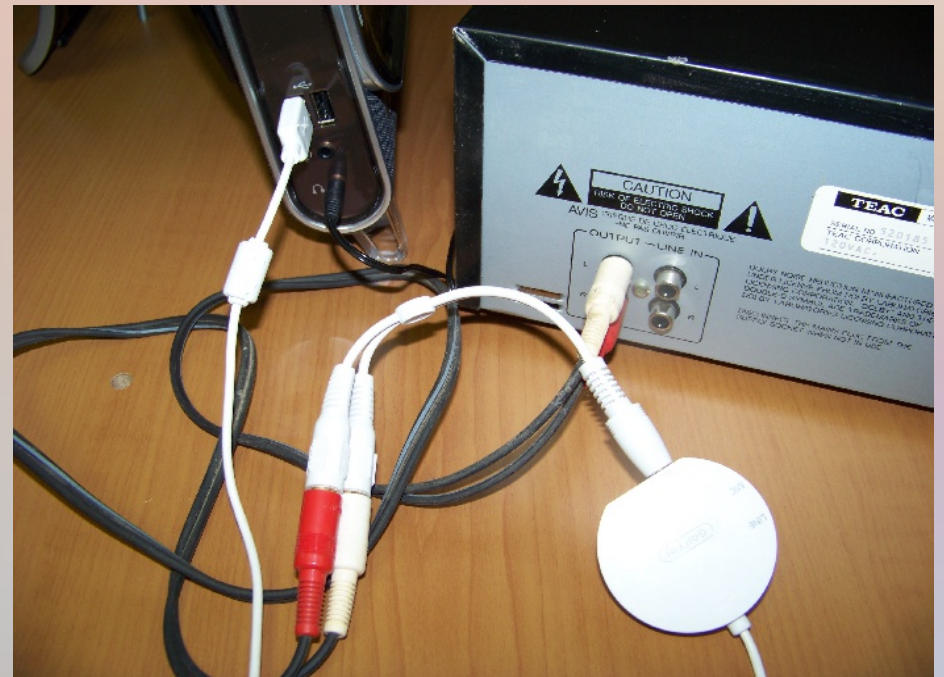
\* Price reflects \$10.00 mail-in rebate. Price before rebate is \$79.99. Offer expires 3/31/12. \* iPod is a registered trademark of Apple Inc.

Factory serviced to meet original quality standards. May have slight cosmetic blemishes.



# Audio Input Hardware

- RCA to USB Hardware
- More flexible



# Audio Input Hardware

- RCA to USB Hardware
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A black, compact turntable adapter device. It features a vinyl record on a silver-colored platter with a yellow and orange center. A black tonearm is positioned over the record. On the left side, there is a black knob labeled "RECORDING LEVEL". On the front panel, there is a small red LED indicator light and a USB port. A US quarter coin is placed next to the device for scale.

**Ion Vinyl Forever USB Turntable-to-Computer Adapter**

**Buy from Walmart**

Online **\$27.<sup>97</sup>**

# Connecting USB Devices



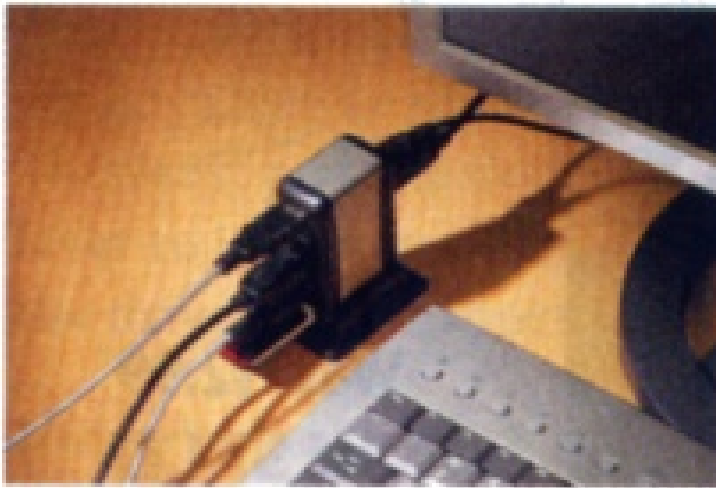
# Connecting USB Devices





# Connecting USB Devices

7-Port Hub Provides up to 2 Amps to  
Power-Hungry USB Devices



**Power:**  
AC adapter





