

VCR as a Printer

Technical Terms

AV:

Short for "Audio/Visual".

Audio:

Sound signals coming from any electronic device such as a computer, laserdisc player, and others. The part that you "hear".

Audio/Visual Selector:

Used for switching audio and video signals from one source, or destination, to another.

Digitizer:

Used for capturing video images for use as clip art or QuickTime™ movies.

Mini-phono Adaptor:

A small plug which connects the computer headphone output to the RWP Multimedia Sound Recording Kit.

RF Modulator:

Connects older-style television sets to a VCR.

VCR:

Video Cassette Recorder.

Video:

Signals coming from any electronic device, such as a camera, for viewing images. The part that you "see".

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Presentation Products

We've assembled this collection of products that were mentioned in this information booklet, along with some other helpful presentation tools. To order any of the products listed below, call us at: 1-800-HYPERSTUDIO (1-800-497-3778).

Sound Recording

Multimedia Sound Recording Kit

Capture all the sounds of your HyperStudio projects with The Multimedia Sound Recording Kit which includes: Audio mixer with 3 stereo inputs, Microphone for recording your own voice, Stereo Headphones, Cables and Illustrated Manual.

Multimedia Sound Recording Kit by Roger Wagner Publishing.....#AHW-020..... \$75.00

Video Display

TelevEyes Pro

Display your computer presentations on your classroom TV monitor and use "video overlay" as well! Great for those AV Macs that won't normally let you use both the computer monitor and a TV at the same time. Works with any Macintosh computer or PC computer that has an external monitor.

TelevEyes Pro by Digital Vision.....#MHW-027 ... \$699.00

Presenter TView™

Provides high-quality, extremely flexible, mobile, computer-based presentations on any standard television display – even large screens or projection TV displays. View the computer screen on both a television and the computer monitor at the same time! Works with any desktop, Macintosh Powerbook, or PC-compatible laptop computer. (Price and availability are subject to change, please call before ordering.)

Presenter TView by TView, Inc.....#MHW-023 ... \$350.00

Video Capture

ComputerEyes/RT

Easily capture high-quality images into your computer system from any standard video source. Whether you are using a video camera, VCR, or laserdisc player, ComputerEyes/RT will allow you to easily capture the image to your disk.

ComputerEyes/RT by Digital Vision for Macintosh.....#MHW-025 ... \$499.95

Presentation Tools

Pioneer LDV-2600

The Pioneer LDV-2600 videodisc player offers audio-CD play, along with superior laserdisc functions. Use an inexpensive language CD, for example, to create your own music appreciation project. Plus, play high quality laserdisc videos as well!

Requires CC-04 cable (sold separately) for use with Macintosh computers. Requires CC-12 or CC-13 cable (sold separately) for use with Windows computers.

LaserVision Player by Pioneer#AHW-026.... \$850.00

Cables for Pioneer LDV-2400:

CC-04 Cable (Mac)#AHW-002..... \$19.95

CC-04 Extender (Mac)#AHW-027.... \$15.00

CC-12 Cable (25-Pin PC)#WHW-003.. \$19.95

CC-13 Cable (9pin PC)#WHW-002 ... \$19.95

Amplified Speaker

Boost your sound output with an amplified speaker. Very easy to connect, installs in seconds! Comes complete with necessary cable. Requires 4 AA batteries, sold separately.

Amplified Speaker by Roger Wagner Publishing, Inc.....#ARW-012..... \$12.95

4 AA Batteries.....#ARW-013..... \$3.50

Wiring Detail

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What is an "RF Modulator"?

Many video devices, such as camcorders, laserdisc players, and others, send out video signals which cannot be "picked up" by television sets. The RF Modulator changes these video signals to a standard TV signal. If your TV/Monitor has "video in" and "audio in" composite (RCA) inputs, you will not need an RF Modulator.

What is a "Mini-phono adapter"?

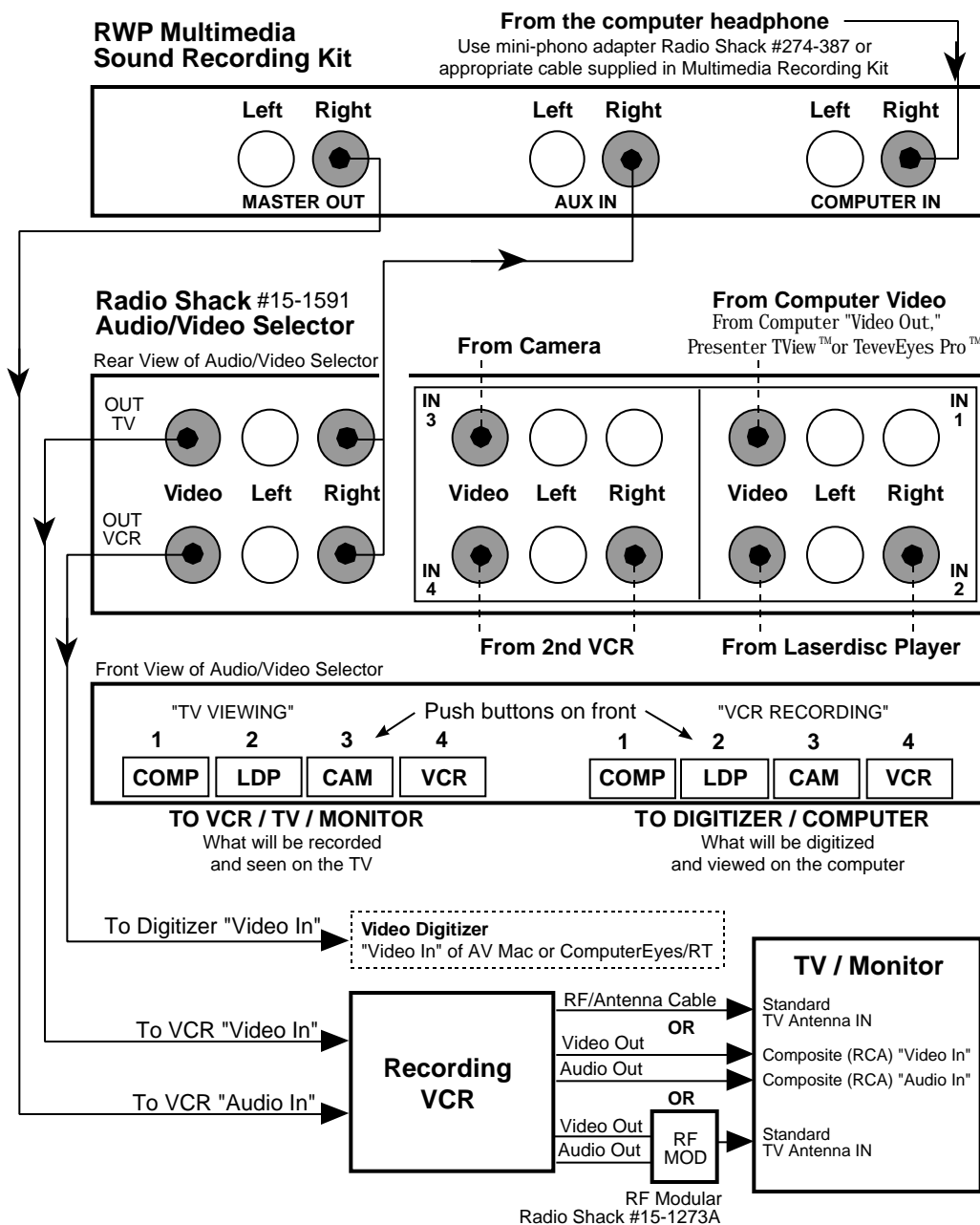
This is a small connector which plugs into the computer headphone jack (sound out on the CPU) to the RWP Multimedia Sound Recording Kit. Most computers use the same kind of "connector" you see on the mini-headphones that are used with many small tape players.

Does Roger Wagner Publishing own stock in Radio Shack?

We wished we did.



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The underlying principles to this whole process are very simple: There are two signals (or to be more direct, "flavors" of wires) you'll need to be aware of. One is the video signal, which carries the picture from the computer to the VCR, and from there to a classroom TV or monitor. The other is the audio signal, which carries the sound from the computer to the VCR, and on to the TV or monitor. The Multimedia Sound Recording Kit and the Radio Shack Audio/Visual Selector simply work as "traffic cops" to route the signals through their proper channels.

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What does the Audio/Visual Selector do?

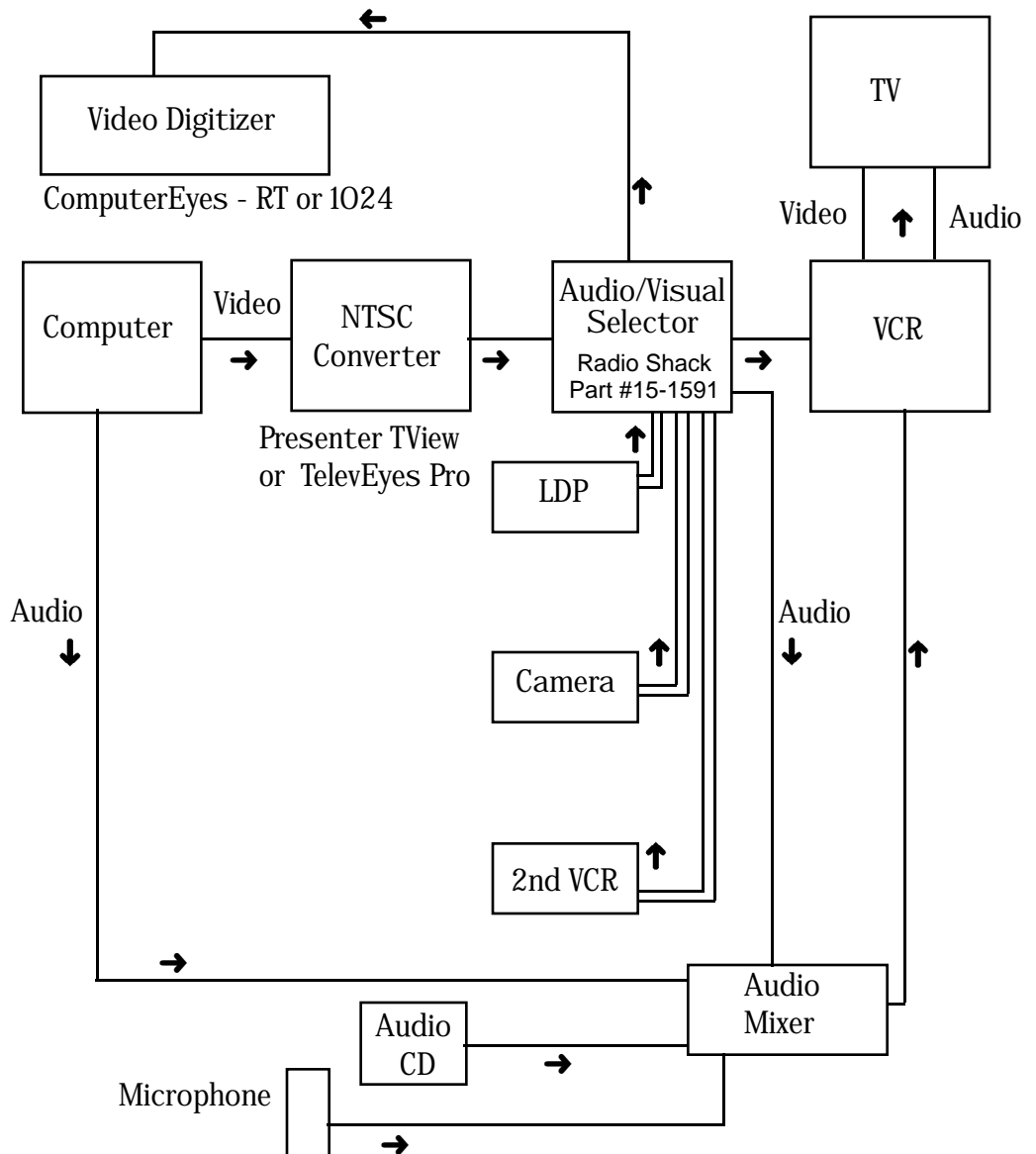
The "Audio/Visual Selector" provides a way to switch from one video source and audio source to another. It has two groups of buttons on the front of the unit which allow a variety of choices:

The left group of buttons let you choose which video image you see on the TV, which is also the image the VCR is recording. You can view and record the image coming from your computer, laserdisc player, video camera or a second VCR.

The right group of buttons let you choose which image you will see on the computer screen for digitizing video images for use as clip art. You can select images coming from your computer, laserdisc player, video camera or a second VCR.

For a detailed diagram on how to connect the wires, refer to the illustration on the opposite page.

Wiring Setup



This setup provides for recording presentations (both video and audio portions), and for digitizing images from various video sources. A video source can be any kind of equipment that produces a video signal. In this diagram we show a laserdisc player, video camera and a second VCR as sources for digitizing images on the computer. The Audio/Visual Selector makes it very convenient for switching between different sources of both audio and video signals.

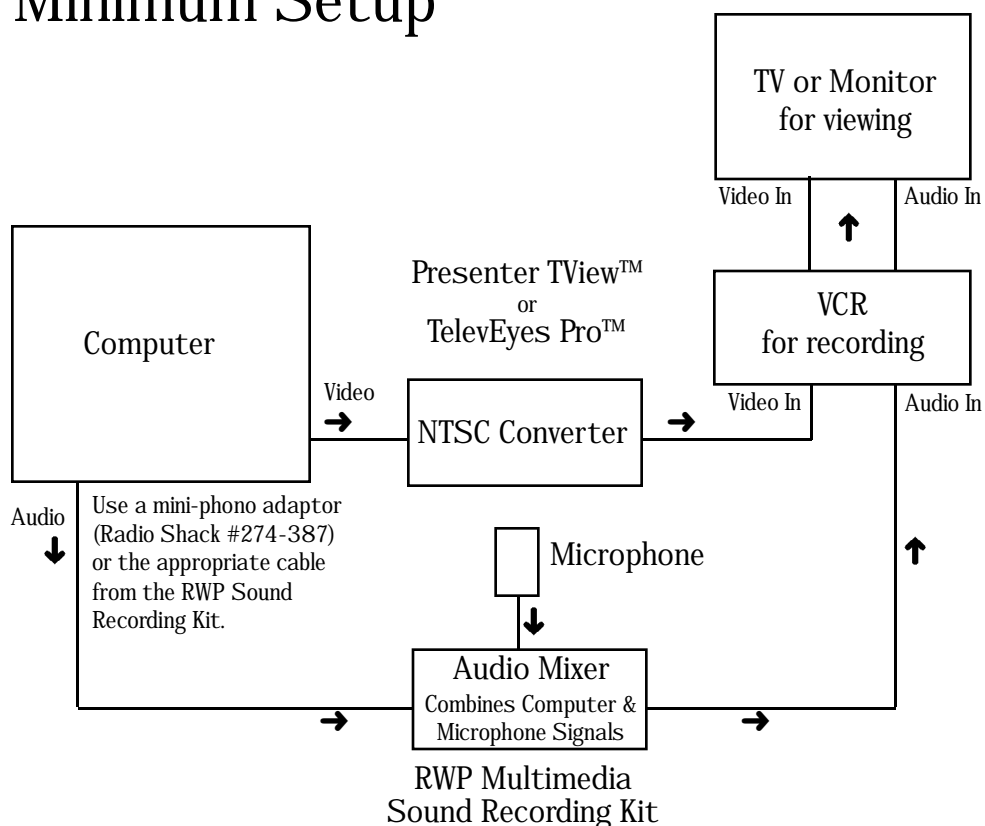
THE VCR AS A PRINTER

by Roger Wagner Publishing, Inc.

Introduction

This information booklet is designed to help you explore the exciting new idea of using your classroom TV/monitor for computer-based presentations, and using the VCR as a “printer” for the computer. Once set up, you’ll be able to record student presentations and send them home to parents; you can record class projects and share them with other teachers and administrators; you can create training tapes for other staff members in your school or district; you can even create “portfolios” of projects to take to conferences and other meetings to share what you’ve been doing with computers—without having to take any more equipment than a single videotape!

Minimum Setup



This is the minimum setup you'll need to record computer presentations on a video cassette recorder (VCR). It provides for the video signal to be sent from the computer to the TV/monitor; and, provides for the audio signal to be sent from both the computer and a microphone.

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Why are some cable connectors different colors?

If you want to be really “official”, you can use phono-connector cables that come in white, red and yellow colors. Yellow is the official color for the video signal, and red & white for the audio. Radio Shack #15-1540, for example, is a color-coded, 2-wire 24' cable; #15-1512 is a 3-wire, 12' cable. You're likely to see this same color coding on the connectors of your VCR and TV or monitor. The color coding is a helpful way to keep the wires properly connected.

Do I need the RWP Multimedia Sound Recording Kit?

This is a must if you intend to record more than just the computer sounds, such as student narration or any other external sound source. As an added bonus, the Sound Recording Kit comes complete with all the cables and adaptors you'll need.



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