

# PC to TV Converter - Multi Vision ID# 521



**Operation Manual**

## Introduction

PC to TV Converter - Multi Vision allows you to view computer images on a Standard, High Definition or Progressive Scan TV display, and features simultaneous display on TV and monitor. It is a Plug and Display device, and is powered from your PC's USB or PS/2 port.

Most standard TV, HDTV, Progressive Scan TV's and most DVD, VCR and Projector devices are compatible with the PC to TV Converter - Multi Vision. The unit allows multiple output device connections to TV displays, Video Projectors, VCR and DVD recorders supporting Composite & S-Video, RGB (Scart) and Component (Y/Cb/Cr) Video signal formats.

The PC to TV Converter - Multi Vision features simultaneous display on TV and PC Monitor, and supports resolutions up to and including UXGA (1600x1200). The unit is very versatile, and supports both IBM and Macintosh computers.

## Features

1. Remote Control with full interface to the Converter.
2. IBM PC & Macintosh PC compatible.
3. support for Video or S-Video or RGB and Component Y/Cb/Cr, all outputs switch selectable.
4. Compatible with Standard TV, HDTV and Progressive Scan TV.
5. Simultaneous display on TV and PC Monitor.
6. Supports Resolution up to UXGA (1600x1200)
7. Button selection for System Type, OSD Menu, Zoom In/Out, Fine Tune, Save Settings and Power On/Off.
8. OSD Menu supports Freeze-frame, Hor. & Ver. Size, Brightness, Contrast, Hue, Saturation and Flicker functions and adjustments.

## Modes and

### Resolution Table:

This converter supports the following VGA display modes:

Resolution	720 x 400	640 x 480	800 x 600	1024 x 768	1152 x 864	1280 x 960	1280 x 1024	1600 x 1200
Vertical Frequency (Hz)	70	60, 70, 72, 75, 85, 100, 120	56, 60, 70, 72, 75, 85, 100	60, 70, 72,75	60, 70, 72,75	60	60	60

This converter supports the following MAC display modes(for MAC G4,G4 Cubic, G3):



Resolution	640 x 480	832 x 624	800 X 600	1024 X 768	1152 X 864
Vertical Frequency(Hz)	60,66,72,75, 85,100,120	75	56,60,72, 75,85,100	60,70,75	60,70

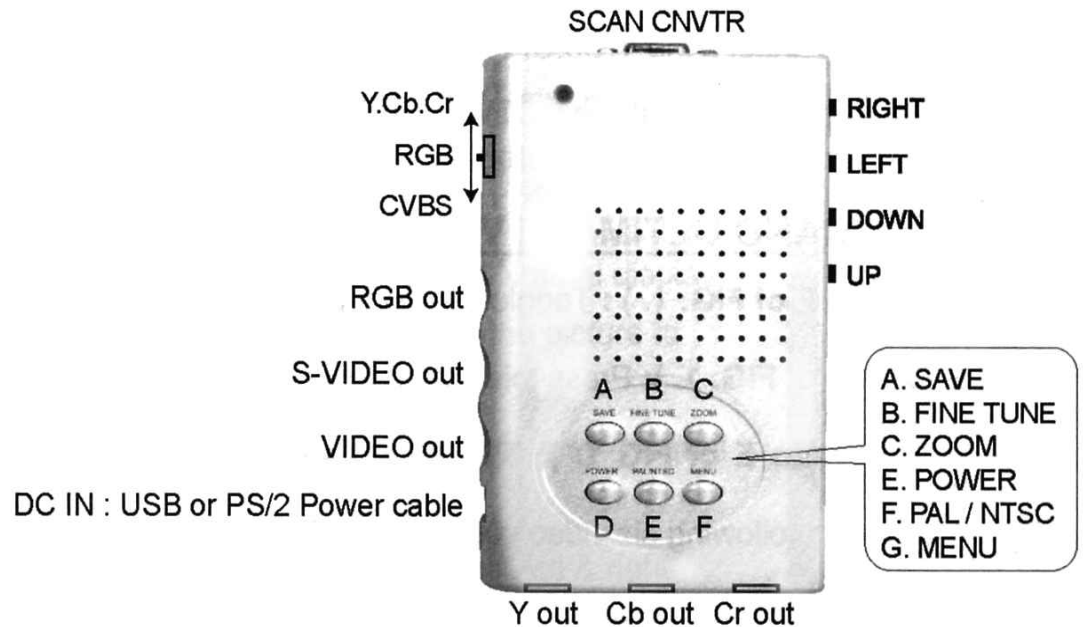
This converter fully supports APPLE iMac and iMAC DV computer display modes:

Resolution	640x480	800x600	1024x768
Vertical frequency (Hz)	117	95	75

## Installation

The following section shows the function of controlling the PC to TV Converter - Multi Vision.

Refer to **Figure 1** for the Outline of PC to TV Converter - Multi Vision.

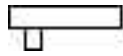


**Fig. 1**

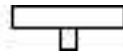
## Connectors

1. **DC IN** : Plug with USB or PS/2 power cable.
2. **VIDEO OUT** : Connects PC to TV Converter - Multi Vision Pro to the VIDEO input of TV - VCR or Video projector.

3. **S-VIDEO OUT** : Connects PC to TV Converter - Multi Vision to your TV VCR or Video projector supporting the S-VIDEO input.
4. **RGB OUT (SCART)** : Connects PC to TV Converter - Multi Vision to the RGB input of TV - VCR or Video projector.
5. **CVBS/RGB/ Y.Cb.Cr Switch**: Slide to RGB side, only RGB OUT connector has function, slide to CVBS side, only S-OUT and VIDEO OUT connector can output signal, slide to Y.Cb.Cr switch, only Y.Cb.Cr connector has function.



**SELECT YCbCr**



**SELECT RGB( SCART )**



**SELECT CVBS**

1. **SCAN CNVTR** : Connects **Y Cable** among PC, PC VGA to TV Video Converter - Ultimate XP and monitor.
1. **Y.Cb.Cr OUT** : Connect s the Y.Cb.Cr to Y.Cb.Cr cable to your TV supporting Y.Cb.Cr Input like HDTV or PROGRESSIVE SCAN TV.

#### Buttons

1. **POWER** ( Button F of FIG: 1.) : Toggle between power on & off.
2. **SAVE** ( Button C of FIG: 1. ) : Press this button to save customer setting.
3. **PAL/NTSC ( Button E of FIG 1. )**: This button selects the video standard. Which includes the following six video standards, "**NTSC, NTSC-EIAJ, PAL-M, PAL-N, PAL, PAL combination N**". The refresh rate of **NTSC, NTSC-EIAJ** and **PAL-M** is 60Hz. The refresh rate of **PAL-N, PAL** and **PAL combination N** is 50Hz.
4. **FINE TUNE** ( Button B of FIG 1. ) : Press this to fine-tune the video image. (the same as sharpness)
5. **MENU** ( Button D of FIG 1. ) : Press this button to cyclically activate the functions. The functions are Freeze, Horizontal SIZE (H-SIZE), Vertical SIZE (V-SIZE), Brightness, Contrast, Hue, Saturation, Flicker, OSD color & Reset.
6. **ZOOM** ( Button A of FIG 1. ) : Toggle between Zoom and Normal display.
7. **UP, DOWN, LEFT, RIGHT ( Button UP, DOWN, LEFT and RIGHT of FIG 1. )**: Press up, down, left & right button to adjust the position of the TV display.

## Remote Control

- **POWER** : Toggle between power on & off.
- **VIDEO STANDARD**: Press this button to select your video system. It supports NTSC, NTSC-EIAJ, PAL-M, PAL-N, PAL, PAL-COMBINATION-N.
- **MENU** : Press this button to cyclically activate the functions. These functions are Fine Tune, H-SIZE, V-SIZE Brightness, Contrast, Hue, Saturation, Flicker, OSD color & Save.
- **ZOOM** : Toggle between Zoom and Normal display.
- **RESET**: Press this button will reset the picture to factory setting.
- **FREEZE**: Toggle between Freeze and Normal display.
- **POSITION buttons**: Press up, down, left & right



UP



DOWN

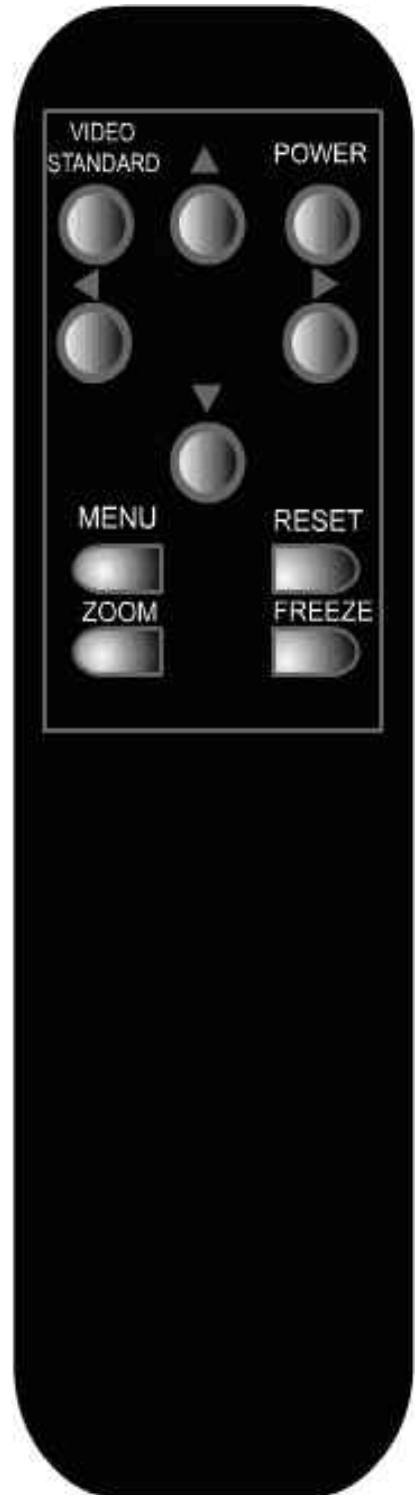


LEFT



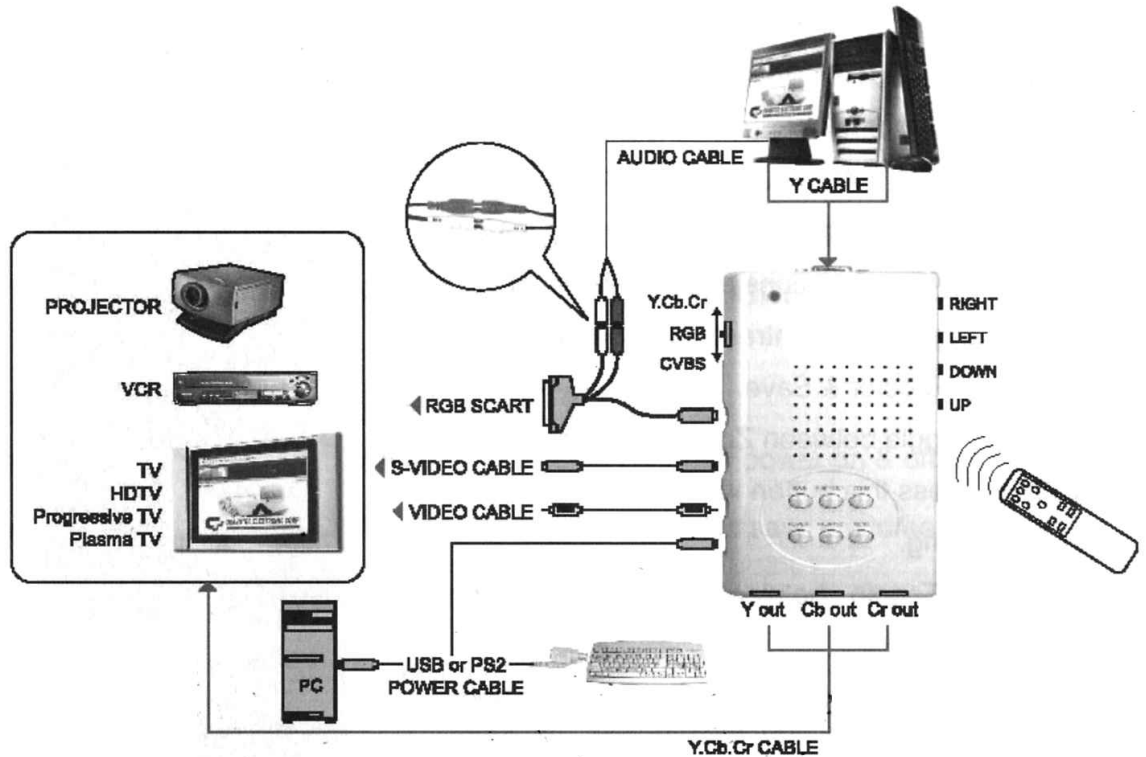
RIGHT

button to adjust the position of the TV display. These buttons also are used to make adjustments to the setting in the MENU



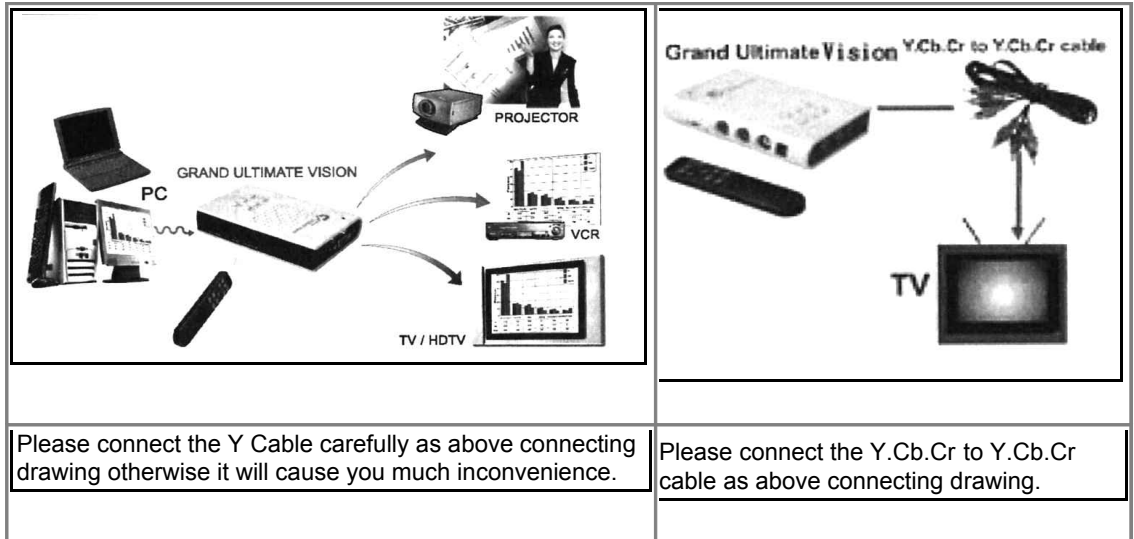
## Installation for IBM PC Users

The PC to TV Converter - Multi Vision is a **"Plug and Display"** video converter. The only thing required to get the image of computer on TV is to make the proper connection. Please read the following sections carefully for the installation of the hardware. Please refer to Fig.2 for the installation for IBM PC Users.



**FIG. 2**

1. Make sure your computer's (laptop, notebook or desktop PC) power is turned **OFF**.
2. Connect the **Y Cable for IBM PC** among computer's **VGA output**, converter's **VGA IN** and **VGA monitor**. Please connect the Y Cable mark "**PC**" to your computer's VGA output, connect the Y Cable mark with red color "**SCAN CNVTR**" to PC to TV Converter - Multi Vision's **SCAN CNVTR** and connect the Y Cable mark with "**MONITOR**" to VGA monitor.



3. With the supplied video cable, connect to the converter's **VIDEO OUT** to your TV or VCR video input.

**Note:** PC to TV Converter - Multi Vision also supports high quality S-OUT, RGB SCART and YCbCr OUT connector. If your TV or VCR support S-VIDEO IN or RGB VIDEO IN or YCbCr input connector, we highly recommended you to use it to get the best TV picture.

4. Connect one end of the supplied USB or PS/2 power cable to the DC IN port on the PC to TV Converter - Multi Vision and connect the other end to your PC.

5. Power on your PC.

6. Power on the PC to TV Converter - Multi Vision.

7. Turn on your TV or VCR, and select the input from VIDEO IN, then you can get the picture on TV.

## Technical Tips

The following are problems that might arise when using the PC to TV converter, and possible solutions of them.

**Q: How can I enhance the display quality?**

**A:** You can usually lower the TV contrast and sharpness control at the best position, you can get a very good picture. To have the best effect, lower the contrast control to minimize the flicker effect.

**Q: I connect with a NOTEBOOK PC, no output is displayed on TV.**

**A:** Check your computer hardware operating manual to enable the VGA port or "OUTPUT". (Many Notebook computers have 3 settings, VGA external only, VGA internal only, and VGA internal & external simultaneously)

**Q: Can I use multiple televisions to view the same image from my computer?**

**A:** Yes, you may connect one television to the next using a composite video cable or an S-Video between the "VIDEO IN" and "VIDEO OUT" ports. We recommend using no more than six televisions because of signal degradation.

### Trouble Shooting

Check the following before requesting service.

Symptom	Point to check
No LED light	1. Check the power cable for proper connection to DC IN or USB port.
No TV output	1. Press the video select or AV button of the TV to select the video Input from the PC to TV Converter - Multi Vision. 2. If the signal of the PC to TV Converter - Multi Vision goes through a VCR first, set the input option to external video for the VCR.
Text not sharp	1. Use S-Video or SCART connection.
Ghost image	1. If long cable is used to connect the PC to TV Converter - Multi Vision to a TV, use a better 75 ohm coaxial cable. (RG-59 is recommended) 2. Adjust Sharpness of TV.
Missing characters	1. Set the PC to TV Converter - Multi Vision to underscan. 2. Adjust horizontal and vertical position button to the center screen. 3. Adjust the H SIZE and V SIZE.
Flicker	1. Adjust the Flicker or V SIZE of the PC VGA to TV Video



	Converter - Ultimate XP.
<b>No color</b>	<ol style="list-style-type: none"> <li>1. Toggle the video standard button to match your TV system.</li> <li>2. Make sure the color (also called saturation for some TVs) setting is not minimum.</li> <li>3. If your TV is multi-standard, set the standard to AUTO or the same as that output from the PC to TV Converter - Multi Vision.</li> </ol>
<b>Distorted lines</b>	<ol style="list-style-type: none"> <li>1. Reduce the brightness level of the TV. If problem persists, choose a better TV model.</li> </ol>
<b>Jitter</b>	<ol style="list-style-type: none"> <li>1. Press the FINE TUNE Button to get the smooth picture. Please refer to the figure below.</li> </ol>

