Video to SXGA Converter Box
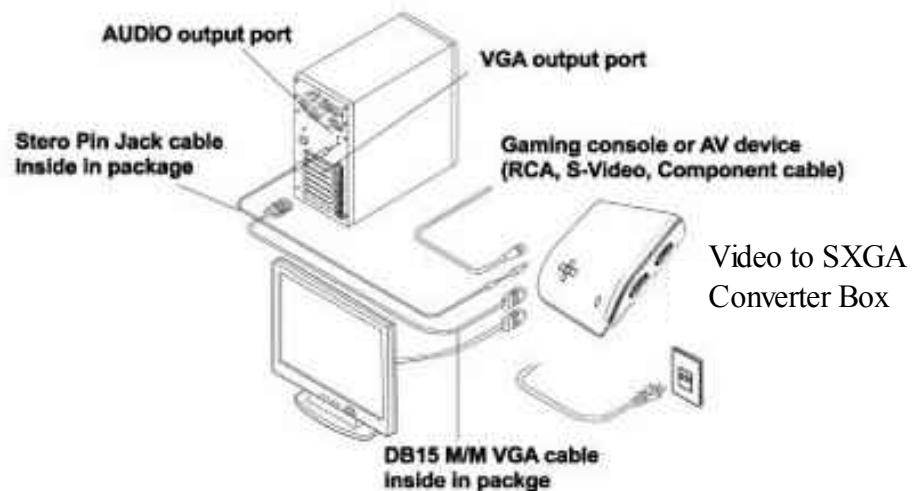# ID#475

Operation Manual

Introduction

The Video to SXGA Converter Box is a composite video signal. S-Video signal and YCbCr signal format converter for AV System (Such as DVD. VCD, VCR, Camcorder, CCD etc.) to PC monitors with a DVI Cable or VGA single cable and have high quality SXGA resolution \ outputs. It is connected between a standard personal computer (PC) and PC monitor, or connected video game consoles (such as Playstation 3, Playstation 2, WII, Game Cube , Microsoft XBOX360, XBOX, Nintendo 64 etc.) at the same time. Especially, DVI out made to maximize the quality for your ultra-high-end video displays such as HDTV, EDTV. Plasma Display.

Features:

1. Compatible with multi-signal inputs : S-Video. AV, YCbCr and PC
2. Provides a high quality picture, it can reduce a sharp and stable image output to VGA or DVI-D
3. Resolution : 640'480 / 800'600 / 1024'768 / 1280'1024 (VGA. SVGA, XGA. SXGA)
4. Compact body and easy installation, no need uncover PC case. No PC compatibility problem.
5. Just Plug-and-play can work on CRT or LCD-TFT monitors. with or without a computer. It can provide cheaper and better native picture solution than HDTV and PDP media.
6. Support function (OSD) control and volume adjustable in front plane

Connection

SPEAKER PC PC MONITOR (CRT / LCD TFT)

CONNECTIONS TO AUDIO, PC & MONITOR

CONNECT TO ALL VIDEO GAME CONSOLE AND ANY AV DEVICE

TV (THROUGH AMP) CAMCORDER DVD PLAYER / VCR LASER DISK

AUDIO output port VGA output port

Stero Pin Jack cable inside in package

Gaming console or AV device (RCA, S-Video, Component cable)

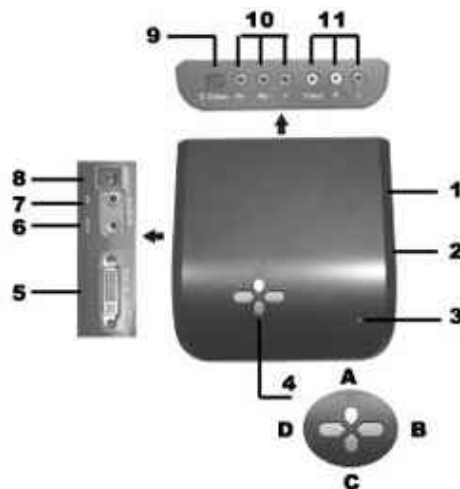Video to SXGA Converter Box

DB15 M/M VGA cable inside in packge

1 . Connect the VGA cable to the [Display card] connecting port on the PC system and the Video to SXGA Converter Box [VGA-IN I To PC]

2.*Connect the* VGA cable with the monitor, another end to the [VGA-OUT / To Monitor] on the Video to SXGA Converter Box.

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- If your Monitor possesses DVI-D IN, you can use DVI cable to connect the Video to SXGA Converter Box [DVI-D OUT] with High quality display effect.

3. Connect the Stereo Pin Jack Cable to the [SPEAKER] output port of the PC system and another end to (AUDIO-IN) on the Video to SXGA Converter Box.

4. Connect the end of your earphone or speaker cable to the [AUDIO-OUT] on the Video to SXGA Converter Box

5. Connect the AV. S-Video. Component cable from your gaming console, DVD, VCR or other AV devices to either the [RCA-IN, S-V IN or YPbPr IN] of the Video to SXGA Converter Box.

- Please make sure your gaming console or AV device is connected.

6. Connect the AC to DC adapter on to [DC +5V] Jack on the Video to SXGA Converter Box and plug the adapter into the electricity outlet.

- If you loss our packaging adapter, please use high quality UL approval adapter with the same specification as DC +5V 1A

Operation Controls and Functions

The Video to SXGA Converter Box handles various formats of traditional TV video, such as NTSC, PAL and also accepts digital-analog video signal input such as AV, S-Video and YCbCr. The Video to SXGA Converter Box implements several proprietary video processing technologies to improve video quality, which includes input mode detection, noise filtering, bandwidth expansion, de-interlacing, anti-flickering, line-doubling, image scaling, frame rate conversion and many other image enhancement features.

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1	VGA INPUT	To PC
2	VGA OUTPUT	To Monitor
3	RED LED display	Power indication
4	Standard Button action (UP / DOWN / LEFT / RIGHT) and OSD Operation menu	
	A : TOP Button	Power control and video functions selection button-used to turn on the power to the VIDEO mode and turn off power to the PC mode. It is the function switch when the device is under VIDEO mode
	B : RIGHT Button	Volume adjustable I ; use to increase monitor function
	C UNDER Button	OSD menu select when the device is under VIDEO mode Brightness, Contrast. Color, Hue, Sharpness. Picture, Mode, Resolution, Frequency and Reset
	D LEFT Button	Volume adjustable - ; use to reduce monitor function
5	DVI-D OUTPUT	Connect your DVI-D cable to your monitor
6	AUDIO OUT	Using your earphone or store cable to connect
7	AUDIO IN	Connect the store cable to Speaker output port from your PC system
8	DC IN	Power supply input port
9	S-VIDEO INPUT	Connect your S-Video cable from your device
10	YPbPr INPUT	Connect your Component cable from your devices
11	RCA INPUT	Connect your RCA cable from your devices

Specifications

1. Proprietary scan rate conversion engine : 60 KHz and 75 KHz output signal specification selectable
2. Proprietary scaling engine :
   - Programmable non-linear high order scaling engine can be optimized for any diminution and expansion ratio
   - Independent expansion ratio in both horizontal and vertical direction
   - Support both down and up scaling
3. Advanced video enhancement processor
   - Non-linear 16:9 conversion
   - 24 bit digital RGB/YCbCr
   - Programmable sharpness and peaking enhancement
   - Color transient improvement
4. Color Processing
   - Build-in color space converter
   - Programmable gamma correction for different color temperature and contrast
   - Digital brightness. saturation and hue color controls
5. INPUT port
   - VGA in
   - S-VIDEO in
   - AUDIO in
   - Y,Pb,Pr in
   - RCA in
6. OUTPUT port
   - VGA output
   - AUDIO out
   - DVI-D out