

SCART video to XGA Converter ID# 187



Operation Manual

Introduction

This unit is designed to accept signals from any television system, NTSC, PAL and SECAM. This converter will accept input from a Scart connector via the use of a special cable included in this kit.

Features

- Video inputs are 3D interlaced and scaled up to VGA or HDTV resolution.
- Automatically accommodates worldwide input systems of NTSC 3.58, NTSC 4.43, PAL, PAL M, PAL N, and SECAM.
- High performance adaptive digital 4H Comb filter Y/C separator with adjustable vertical peaking.
- Motion compensated de-interlacing algorithms to produce artifact-free progressive scan video signal.
- Built in adaptive film mode 3:2/2:2 pull-down provides clear and crisp deinterlacing of video originating from 24 fps films, such as DVD movies.
- Frame rate up conversion from 50 up to 85Hz.
- Vertical temporal filter (VT) removes jaggy and other de-interlacing artifacts from normal video.
- OSD menu with adjustable control on Color, Sharpness, Brightness, Contrast and Tint (NTSC).
- Last memory for all adjustments.

Operating Functions and Controls Front Panel



1. PC/HD Output- 15 Pin D-Sub connector is used to connect the converter to either a PC CRT/LCD monitor or HD (High Definition) Device, such as a Plasma TV.

For this port connectors include:

- The 15 Pin D-Sub connector to component IN port (colour coded for RGB- Red, green, blue).
- 15 Pin D-Sub Connector to 15 Pin D-Sub connector (male VGA to male VGA cord).

2. The Menu button- This brings up the menu and it is used as a enter/select button for menu options.

3. The – button- This is used to scroll through options or to adjust selected options.

4. The + button- This is used to scroll through options or to adjust selected options.

It also doubles as the input button, which is used to cycle through inputs such as Composite, S-video and YCbCr/RGBs.

Rear Panel



1. YCbCr RGB IN- This is a component input for component out devices.

For this port the connectors included are:

- 8 PIN Din Connector to 3 x RCA which are colour coded for red, blue, green inputs. You may also insert into these pins your RGBs (RGB sync on green device).

2. SV IN- This is the S-Video IN, which is for 5 Pin S-Video cable. This connector is not included in kit.

3. CV IN- This is composite video for use with AV/RCA devices.

For this port the connector included:

- A single RCA cord.

4. Power- DC 5V Center Positive - To be used with the power pack supplied, this power pack will accept all country voltages, please

however make sure you use the right adapter plug to suit your wall socket.

5. Scart input is accepted with the use of a special connector cable (included in the kit).

1. Please note this device only alters the video signal, the audio signal, goes directly from your output device to your input device.
2. Video quality may alter depending on a number of factors:
 - Quality of input source (the better you put in the better your going to get out).
 - Input connector used, e.g. Component and S-Video produce better quality video signal as opposed to composite video.
 - Quality of cables used- Gold plated cables will produce a better quality picture then standard cables.

Menu Options

Picture Adjustment

- Brightness
- Contrast
- Colour
- Tint
- H. peaking filter: Broad/Medium/Low.
- Sharpness
- V. peaking gains
- Reset
- Exit

Display Setup

- Timing
- CSC : RGBHV, YPbPr
- Exit

Advanced

- Film mode- auto/off
- OSD Display- On/Off
- No signal- Blue/Black
- Exit

System Information

- Input Mode
- Display timing
- Exit

Trouble Shooting

Please note that changing some settings via the menu may cause the picture to deteriorate or disappear altogether. Please don't panic, this is not a fault of the converter it is merely

outputting a signal. Your output device cannot accept.

To fix this problem:-

- For a PC monitor/VGA device press and hold the “+ and –“ simultaneously, keys 3 and 4 on the front of the panel for 5 seconds and release. This will reset the device to XGA mode that should be able to be received by all VGA devices.
- For a HDTV device press and hold the “menu and –“ buttons simultaneously, keys 2 and 3 on the front of the panel. This will reset the device to a resolution of 480p, which can be received by all HDTV devices.
- If this does not work please power off the unit, wait 1 minute, turn the unit back on and repeat the procedure.

Installation

The DC adapter power unit should not be plugged into a wall outlet until all connections are complete.

- Connect the output (Number 1 on front panel) to your output device. You should have a blank blue screen. Pressing the menu button should bring up the menu. This tells you that the device is operating correctly.
- There are a number of different inputs, choose the best input for your input device.

With your input device connected, press the input button to cycle through the inputs until you find the correct picture.

- Once all connections are complete please connect the power supply provided to the power socket (Number 4 on the rear panel).
- Once power has been turned on, the LED light to the right of the socket should light up, if this does not happen please check if it is connected correctly.

Specifications

Input Signal levels	Video @ 1Vp-p, 75 ohm, Y @ 1Vp-p, 75ohm Colour @ 0.7Vp-p, 75ohm, YCbCr
Output Format	YPbPr/HDTV
Output Connector	HD 15 female
Output Signal	RGB @ 0.7Vp-p. H&V Sync @ 3Vp-p, Y @ 1Vp-p, Pb, Pr @ 0.7VP-p 75 ohm
Weight	240 grams
Dimensions	146 x 77 x 30 mm
Power Source	DC 5V 2A Center positive

Input Signal Specifications

PC Resolution		Vert Rate	Format	Scan Type
VGA	640 X 480	60,72,75,85 Hz	RGBHV	Progressive
VESA85	640 X 400	85 Hz	RGBHV	progressive
VGA70	720 X 400	70 Hz	RGBHV	Progressive
SVGA	800 X600	60,72, 75, 85 Hz	RGBHV	Progressive
XGA	1024X768	60, 70, 75, 85 Hz	RGBHV	Progressive
Mac	1152X864	70, 75 Hz	RGBHV	Progressive
WXGA	1280X768	60 Hz	RGBHV	Progressive
1280A	1280X960	60 Hz	RGBHV	Progressive
SXGA	1280X1024	60, 75 Hz	RGBHV	Progressive
HDTV Resolutions		Vert Rate	Format	Scan Type
480p	720 x 480	60 Hz	YPbPr, RGBHV	Progressive
480i	720 x 480	60 Hz	YCbCr, RGBHV	Interlace
576p	720 x 576	50 Hz	YPbPr, RGBHV	Progressive
576i	720 x 576	50 Hz	YCbCr, RGBHV	Interlace
720p	1280 x 720	50,60 Hz	YPbPr, RGBHV	Progressive
1080i	1920 x 1080	50,60 Hz	YPbPr, RGBHV	Interlace

Output Signal Specifications

PC Resolution		Vert Rate	Format	Scan Type
VGA	640 X 480	60,72,75,85 Hz	RGBHV	Progressive
VESA85	640 X 400	85 Hz	RGBHV	progressive
VGA70	720 X 400	70 Hz	RGBHV	Progressive
SVGA	800 X600	60,72, 75, 85 Hz	RGBHV	Progressive
XGA	1024X768	60, 70, 75, 85 Hz	RGBHV	Progressive
Mac	1152X864	70, 75 Hz	RGBHV	Progressive
WXGA	1280X768	60 Hz	RGBHV	Progressive
1280A	1280X960	60 Hz	RGBHV	Progressive
SXGA	1280X1024	60, 75 Hz	RGBHV	Progressive
HDTV Resolutions		Vert Rate	Format	Scan Type
480p	720 x 480	60 Hz	YPbPr, RGBHV	Progressive
576p	720 x 576	60 Hz	YPbPr, RGBHV	Progressive
720p	1280 x 720	50,60 Hz	YPbPr, RGBHV	Progressive
1080i/540p	1920x1080	50,60 Hz	YPbPr, RGBHV	Pseudo Interlance