

SY-1080SC

SCART to HDMI 1.3

SD to Full HD

Scaler Box

Operation Manual



SY-1080SC

• **Trademark Acknowledgments**

All products or service names mentioned in this document may be trademarks of the companies with which they are associated.

• **Safety Precautions**

Please read all instructions before attempting to unpack or install or operate this equipment, and before connecting the power supply. Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through module openings or empty slots, as you may damage parts.
- Do not attach the power supply cabling to building surfaces.
- Do not allow anything to rest on the power cabling or allow it to be abused by persons walking on it.
- To protect the equipment from overheating, do not block the slots and openings in the module housing that provide ventilation.

Revision History

<i>Version No</i>	<i>Date</i>	<i>Summary of Change</i>
<i>V1</i>	<i>20090424</i>	<i>Preliminary Release</i>

Precautions

Failure to follow the precautions described below may cause damage to SCART to HDMI Scaler Box and void the warranty.

- DO NOT open the case. Doing so will void the warranty. If you find problem with it, please return back to your retailer or seller who will assist you or provide you with solution.
- DO NOT use third-Party AC adapter or power cord. Doing so may damage SCART to HDMI Scaler Box.
- DO NOT bump, jar or drop contents of the products as it may damage it and result in warranty void.
- DO NOT set any liquids or beverages on the drive as they may damage SCART to HDMI Scaler Box.

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1. Introduction

This scaler Box is designed to display your analog video/R.G.B images on the HDTV with better viewing resolutions. It can upscale any SCART'S input sources to HDMI output with wide-range resolutions. Further, this device also can transfer sounds for user to enjoy both HD images and sounds consistently.

2. Applications

- Convert video to HDMI 1.3 at 1080P for HDMI LCD TV / LCD monitor
- To improve video quality to HDMI resolution

3. Package Contents

- SY-1080SC Scaler Box
- 5VDC Power Supply Adaptor
- Operation Manual

4. System Requirements

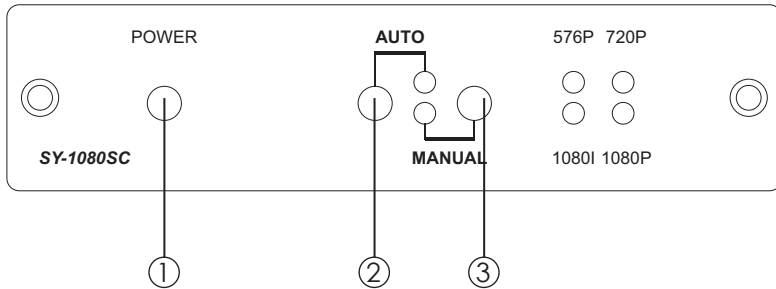
Input source device, SCART cable HDMI cable and output displayer.

5. Features

- HDMI 1.3 supports deep color 12 bit, HDCP 1.1, DVI 1.0 compliance
- Scales up SCART to HDTV 1080p format
- Automatic lipsync (audio delay) ensures audio video synchronization
- Input video systems NTSC/PAL
- Supports 8/10/12 bit deep color on HDMI output up to 6M long
- DVI compatible by using HDMI to DVI adaptor
- HQE (High Quality Image enhancer) function
- Digital Noise Reduction – Minimises picture noise, reproducing images true to the original
- Block Noise Reduction – Effectively minimizes all MPEG noise, Improving the digital quality of HDTV broadcasts in particular, where block noise happens most
- MPEG Noise Reduction – Reduce mosquito noise for MPEG video images without losing detail
- 3D (frame based) motion adaptive noise reduction
- Advanced 3D motion adaptive de-interlace
- Automatic 2:2/3:2 film mode detection
- Automatic resolution selection and individual resolution selection button
- HDMI output with RGB color space design

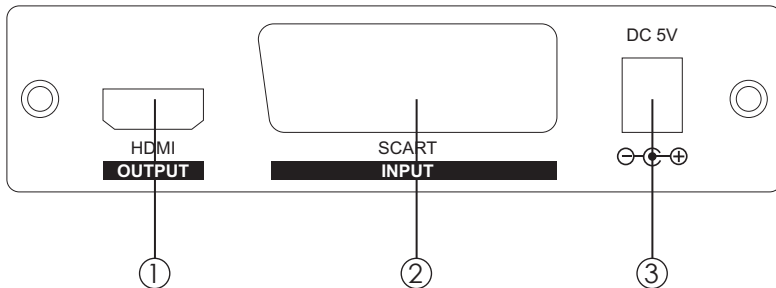
6. Operation Controls and Functions

6.1 Front Panel



- ① POWER selection button - Press the button once to power on the unit, press again to power off. This device has last memory's function and will record your last input selection.
- ② AUTO selection button - Press the button to set the device in Auto mode and the device will auto detected HDMI display's EDID resolution native then the resolution indicator LED will illuminate.
- ③ MANUAL selection button - Press "MANUAL" button to select resolution of the HDMI output from 576P to 1080P.

6.2 Rear Panel



- ① HDMI OUTPUT – Connect to LCD TV/monitor with HDMI cable.
Note: This scaler does not have overscan function however, it may be adjusted by TV.
- ② SCART INPUT – Connect from source with SCART cable.
- ③ DC 5V – Plug the 5V DC power adaptor into the unit and connect the adaptor to AC wall outlet.

7. Connection and Installation



8. Output Resolution Chart

RESOLUTION				
576P		720 X 576		50HZ
720P		1280 X 720		60HZ / 50Hz
1080I		1920 X 1080		60HZ / 50Hz
1080P		1920 X 1080		60HZ / 50Hz

OUTPUT INPUT	576P	720P	1080I	1080P
NTSC	X	○ (60Hz)	○ (60Hz)	○ (60Hz)
PAL	○	○ (50Hz)	○ (50Hz)	○ (50Hz)

9. Specifications

Input Port	SCART
Output Port	HDMI
Output Resolution	576p, 720p, 1080i, 1080p@ 50/60
Input Signal Levels	Video:1Vp-p, (75Ω) RGB: 0.7 Vp-p(75Ω) Audio L/R: 0.5Vrms
Video System	NTSC, PAL
Audio Sampling Rate	48KHz
Power Supply	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions (mm)	151 x 125 x 30
Weight (g)	340g
Chassis Material	Aluminum
Silkscreen Color	Black
Operating Temperature	From 0°C~ 40C°
Power Consumption	6W(max)

Acronyms



Acronym

Complete Term

