

CSLUX-1080p

SCART to HDMI 1.3

SD to Full HD

Scaler Box

Operation Manual



CSLUX-1080p

• **Disclaimers**

The information in this manual has been carefully checked and is believed to be accurate. Cypress Technology assumes no responsibility for any infringements of patents or other rights of third parties which may result from its use.

Cypress Technology assumes no responsibility for any inaccuracies that may be contained in this document. Cypress also makes no commitment to update or to keep current the information contained in this document.

Cypress Technology reserves the right to make improvements to this document and/or product at any time and without notice.

• **Copyright Notice**

No part of this document may be reproduced, transmitted, transcribed, stored in a retrieval system, or any of its part translated into any language or computer file, in any form or by any means - electronic, mechanical, magnetic, optical, chemical, manual, or otherwise - without express written permission and consent from Cypress Technology.

© Copyright 2009 by Cypress Technology.
All Rights Reserved.
Version 1.0 July 2009

• **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

Version No	Date	Summary of Change
V1	20090424	Preliminary Release

Precaution

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.

Table of Contents

1. Introduction.....	1
2. Application.....	1
3. Contents.....	1
4. System Requirements.....	1
5. Features.....	1
6. Operation Controls and Functions.....	2
6.1 Front Panel	2
6.2 Rear Panel	2
7. Connection and Installation.....	3
8. Output Resolution Chart.....	3
9. Specifications.....	4

1. Introduction

This scaler Box is designed to display your analog video/RGB images on HDTV's with better viewing resolutions. It can upscale any SCART input source to HDMI output with a wide-range of resolutions. Incredibly, this device can also transfer sounds allowing everyone to enjoy both HD images and sounds.

2. Application

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

3. Contents

- CSLUX-1080P Scaler Box
- 5VDC Power Supply Adaptor
- Operation Manual

4. System Requirement

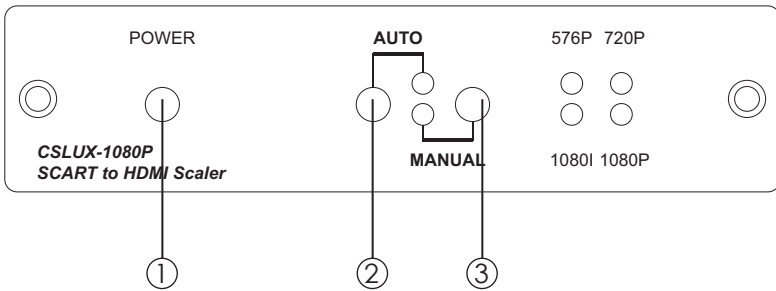
Input source device, SCART cable HDMI cable and output display.

5. Features

- Supports HDMI 1.3 12 bit deep color, HDCP 1.1, DVI 1.0
- Scales up SCART to HDTV 1080p
- Automatic lipsync (audio delay) ensures audio video synchronization
- Input video systems NTSC/PAL
- Supports 8/10/12 bit deep color HDMI output up to 6 meters away
- DVI compatible by using an HDMI to DVI adaptor
- HQE (High Quality Image enhancer) function
- Digital Noise Reduction – Minimizes picture noise, reproducing images that are true to the original
- Block Noise Reduction – Effectively minimizes all MPEG noise, Improving the digital quality of HDTV broadcasts particularly, 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 and individual resolution selection buttons
- HDMI output with RGB color space design

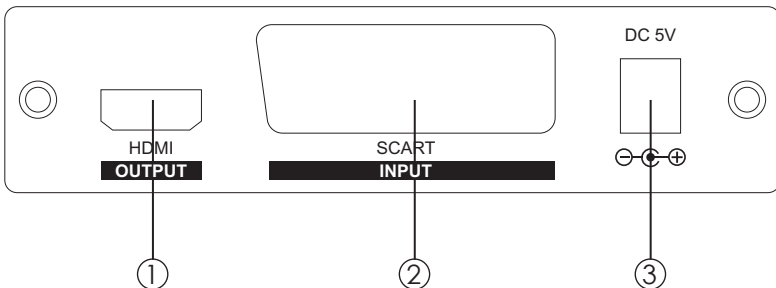
6. Operation Controls and Functions

6.1 Front Panel



- ① POWER button - Press the button once to turn the unit on, press it again to turn it off. This device has a memory function and will record your last input.
- ② AUTO selection button - Press the button to put the device in Auto mode and the device will automatically detect the HDMI display's EDID native resolution then the resolution LED indicator will turn on.
- ③ MANUAL selection button – Press the MANUAL button to select the resolution of the HDMI output display from 576P to 1080P.

6.2 Rear Panel



- ① HDMI OUTPUT – Connect to a LCD TV/monitor with an HDMI cable.
Note: This scaler does not have an over scan function, however, it may be adjustable through the TV.
- ② SCART INPUT – Connect from source with a SCART cable.
- ③ DC 5V – Plug the 5V DC power adaptor into the unit and connect the adaptor to an AC 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
Silk screen Color	Black
Operating Temperature	0°C~ 40°C
Power Consumption	6W(max)

Acronyms



Acronym

SCART

Complete Term

Radio and Television Receiver Manufacturers' Association



CYPRESS TECHNOLOGY CO., LTD.
Home page: <http://www.cypress.com.tw>

20090428 MPM-CSLUX1080p