

# LINDY®

## CONNECTION PERFECTION

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### SCART to HDMI 1.3 Scaler

User Guide

*English*

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LINDY No. 38103

[www.lindy.com](http://www.lindy.com)





## Introduction

Thank you for purchasing the LINDY SCART to HDMI 1.3 Scaler. This compact unit accepts audio and video signals via a SCART input and upscales to an HDMI digital 1080p @50/60Hz video signal. Stereo audio is conveniently incorporated into the HDMI signal to allow audio to be outputted through the display device.

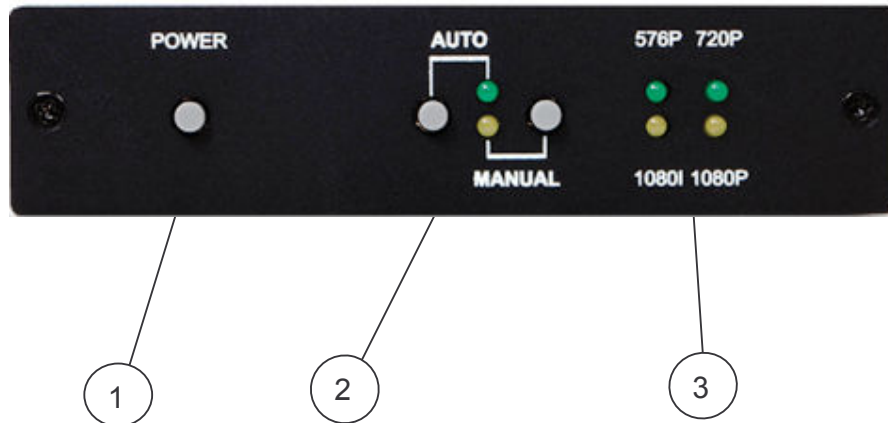
With simple plug and play installation and operation, the unit allows you to view older SCART equipped devices on the latest flat screen monitors and TVs. Compatible also with a DVI-D display when used with a suitable adapter or HDMI to DVI-D cable. Please visit [www.lindy.com](http://www.lindy.com) for further details on our range of adapters and cables.

## Features

- Compact desktop design
  - Supports HDMI 1.3 deep colour 12 bit
  - HDCP 1.1, DVI 1.0 compliant
  - Scales SCART RGB video up to HDTV 1080p format @ 50Hz/60Hz
  - Video input: NTSC/PAL/RGB@50Hz/RGB@60Hz (auto detection)
  - Video output: 576p, 720p, 1080i, 1080p @ 50Hz or 60Hz (input dependant)
  - Video input signal: 1Vp-p, (75Ohm), RGB 0.7V p-p (75Ohm)
  - Audio signal input: L/R 0.5V rms
  - Audio sampling rate: 48KHz
  - HQE (High Quality Image enhancer) function
  - Incorporates Digital Noise Reduction to minimise picture noise
  - Incorporates Block Noise reduction to minimise MPEG noise and improve digital quality
  - Advanced 3D motion adaptive de-interlace and noise reduction
  - Automatic lip sync (audio delay) ensures audio video synchronization
  - Automatic 2:2/3:2 film mode detection
  - Automatic display resolution selection and individual manual selection function
  - Compatible with DVI-D when a suitable adapter or cable is used
  - Power supply: 5V DC 2.6A centre positive connection
  - Dimensions: 125 x 151 x 30mm (WxDxH)
  - Weight: 340g
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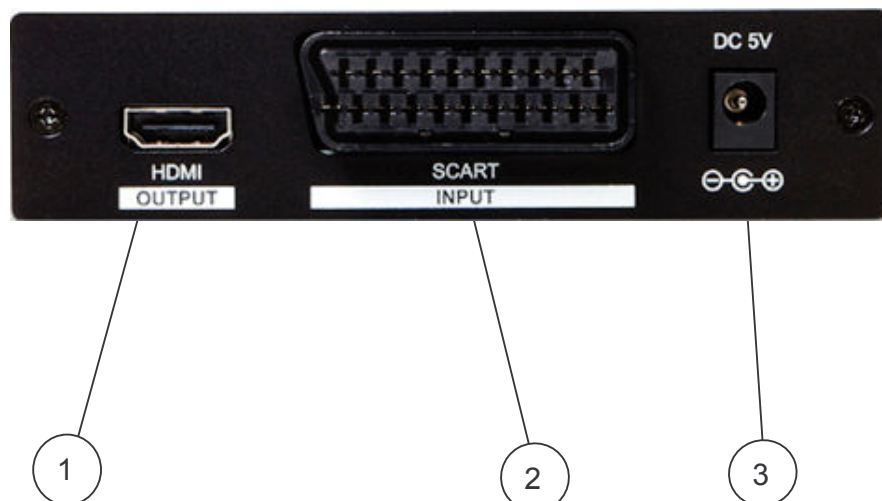
### Front Panel Controls

1. Power ON button
2. AUTO/MANUAL select buttons. Press the Auto or Manual button to select the operating mode. Press the Manual button to select the required output resolution
3. Output resolution LED indicators will illuminate to show the current resolution



### Rear panel Connectors

1. HDMI output: Connect your HDMI or DVI-D display here (adapter required for DVI-D)
2. SCART input: Connect your source device here using a SCART cable
3. 5V DC socket: Connect the PSU supplied with the unit here



Supported Input/Output resolutions

HDMI OUTPUT	RESOLUTION	FRAME RATE
576p	720 x 576	50Hz
720p	1280 x 720	50/60Hz
1080i	1920 x 576	50/60Hz
1080p	1920 x 1080	50/60Hz

INPUT/OUTPUT	576p	720p	1080i	1080p
NTSC	X	O (60Hz)	O (60Hz)	O (60Hz)
PAL	O	O (50Hz)	O (50Hz)	O (50Hz)

Installation

The LINDY SCART to HDMI 1.3 Scaler is a true Plug and Play device which does not require any software or drivers to operate. Simply attach a SCART cable to your source device and an HDMI to HDMI or HDMI to DVI-D cable to the output connector. You may now apply power to all the connected devices. **Note:** Once powered on, the unit will detect the displays native resolution and illuminate the relevant LED indicator. You may change the output resolution by using the front panel push buttons.

The diagram below shows how to connect the SCART to HDMI Scaler



## Power-Up Sequence

Ensure all equipment is turned off before connecting the SCART to HDMI 1.3 Scaler. Once all cables are connected, apply power to the display device, then apply power to the HDMI 1.3 Scaler and finally apply power to the source device.

**Notes on using DVI-D equipped devices:** To connect devices equipped with DVI-D connections, you can use either modular DVI/HDMI adapters or DVI/HDMI adapter cables. Be aware that DVI-D is a 'video only' interface; audio signals are not supported when using DVI-D source devices. Also, please note that DVI-D equipped displays must support HDCP signal decoding to display HDCP protected HDMI signals. HDCP compatible displays will normally feature the **HD Ready** logo.

## Package Contents

- SCART to HDMI 1.3 Scaler
- Multi-country switching power adapter: 100~240V AC 50-60Hz / +5VDC / 2.6 Amp centre positive, includes Euro, US, UK & Australian adapters
- This user guide



## **CE/FCC/WEEE Statement**

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### **CE Certification**

This equipment complies with the requirements relating to Electromagnetic Compatibility Standards EN55022/EN55024 and the further Standards cited therein.

### **FCC Certification**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. You are cautioned that changes or modification not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.



### **WEEE (Waste of Electrical and Electronic Equipment), Recycling of Electronic Products**

#### **United Kingdom**

In 2006 the European Union introduced regulations (WEEE) for the collection and recycling of all waste electrical and electronic equipment. It is no longer permitted to simply throw away electrical and electronic equipment. Instead, these products must enter the recycling process.

Each individual EU member state has implemented the WEEE regulations into national law in slightly different ways. Please follow your national law when you want to dispose of any electrical or electronic products. More details can be obtained from your national WEEE recycling agency.

#### **Germany**

Die Europäische Union hat mit der WEEE Richtlinie umfassende Regelungen für die Verschrottung und das Recycling von Elektro- und Elektronikprodukten geschaffen. Diese wurden von der Bundesregierung im Elektro- und Elektronikgerätegesetz – ElektroG in deutsches Recht umgesetzt. Dieses Gesetz verbietet vom 24. März 2006 an das Entsorgen von entsprechenden, auch alten, Elektro- und Elektronikgeräten über die Hausmülltonne! Diese Geräte müssen den lokalen Sammelsystemen bzw. örtlichen Sammelstellen zugeführt werden! Dort werden sie kostenlos entgegen genommen. Die Kosten für den weiteren Recyclingprozess übernimmt die Gesamtheit der Gerätehersteller.

#### **France**

En 2006, l'union Européenne a introduit la nouvelle réglementation (DEEE) pour le recyclage de tout équipement électrique et électronique.

Chaque Etat membre de l' Union Européenne a mis en application la nouvelle réglementation DEEE de manières légèrement différentes. Veuillez suivre le décret d'application correspondant à l'élimination des déchets électriques ou électroniques de votre pays.

#### **Italy**

Nel 2006 l'unione europea ha introdotto regolamentazioni (WEEE) per la raccolta e il riciclo di apparecchi elettrici ed elettronici. Non è più consentito semplicemente gettare queste apparecchiature, devono essere riciclate. Ogni stato membro dell' EU ha tramutato le direttive WEEE in leggi statali in varie misure. Fare riferimento alle leggi del proprio Stato quando si dispone di un apparecchio elettrico o elettronico.

Per ulteriori dettagli fare riferimento alla direttiva WEEE sul riciclaggio del proprio Stato.



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