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# **RGB SCART TO HDMI VIDEO CONVERTER INFORMATION**

Most countries outside Europe, didn't have Scart (Péritel) sockets fitted to their TV's, allowing connection of Composite Video and high quality RGB (Red Green Blue) video signals, which display a much better quality picture than Composite Video or S-Video signals. The Scart socket has now been omitted on most new TV's. This document explains how to connect an RGB Scart lead to a TV, with a HDMI input, for those who don't have a TV with Scart input.

#### **RGB SCART TO HDMI CONVERSION**

IT'S NOT JUST AS SIMPLE AS BUYING A SCART TO HDMI CONVERTER! it needs to be compatible, and work with the 15Khz RGB video signal that most Retro Computers and Games Consoles output. There are lots of video converters on the market, but most won't work for this purpose, as they are designed to connect to more Standard equipment, such as DVD players, Video Cassette Recorders (VCR's) and Set-Top boxes etc.

#### BASIC VIDEO SIGNAL INFORMATION

There are 3 main types of video signals found on Retro Computers & Games Consoles. RF (Radio Frequency) aerial lead connection, which needs a TV channel to be tuned into the correct frequency. Composite video (CVBS) and RGB (Red, Green, Blue). The latter two video types, just require the correct video input selecting on the TV, and don't require tuning.

**RF** gives the worst guality video, combining video (Luma and Chroma), Sync and sometimes Audio signals, all together.

**CVBS**, improves on this, by having one combined higher quality video and sync signal, and sometimes a separate audio signal, which produces a better quality, clearer picture. Terminated in Yellow, Red & White round RCA Phono type Plugs.

RGB, Improves even further, by providing separate Red, Green, Blue, and Sync signals, minimising interference between signals (crosstalk), thus producing the best quality, clear, sharp, steady picture, with vivid colours.

## PROFESSIONAL HIGH QUALITY RGB SCART TO HDMI CONVERTERS FOR THE SERIOUS ENTHUSIAST

#### OSSC - OPEN SOURCE SCAN CONVERTER http://junkerhq.net/xrgb/index.php?title=OSSC

The OSSC, is a high quality advanced, very configurable, lag free (no noticeable delay between video input and output), professional video converter, scaler that's designed specifically for use with Retro Micro Computers and Games Consoles.

Aimed at the more knowledgeable, experienced enthusiast, who have lots of different Retro Games Consoles or Micro Computers, that need different settings to get the optimum picture quality. Has RGB Scart, Component Video and VGA inputs, with HDMI output. Version 1.7 & v1.8 are now available in a superb! professional quality molded case. Works with all my current RGB video leads. Retails for around £140 AND MY PERSONAL FAVORITE. The New OSSC Pro is now available from Video Game Perfection. Retails around £360

OSSC Available from Video Game Perfection (EU), Kaico (UK) and Amazon etc. https://videogameperfection.com/products/open-source-scan-converter/ https://kaicolabs.com/product-category/uncategorized/ossc/ https://www.amazon.co.uk/Source-Converter-SCART-Component-Gaming/dp/B07QF95QP3

#### RETRO TINK 2X SCART https://www.retrotink.com/product-page/retrotink-2x-scart

The RetroTINK 2x SCART, is a simple to use, high quality advanced, lag free RGB Scart to HDMI converter. More suitable for enthusiasts with less knowledge of video signals, or have less complex video conversion requirements. A high quality, advanced, yet simple to use converter with no settings and just one button. Simple plug and play operation. RGB Scart in, HDMI out. Works with all my current RGB video leads. Retails for around £120

#### RETRO TINK - 5X PRO https://www.retrotink.com/product-page/5x-pro

The RetroTINK-5X is a high quality advanced, very configurable lag free professional video converter, scaler designed specifically for use with Micro Computers and Games Console's. Aimed at the more knowledgeable, experienced enthusiast who have lots of different Retro Games Consoles or Micro Computers, that need different settings to get the optimum picture quality. Has RGB Scart, Composite Video Scart, Component Video, Composite Video (CVBS), and S-Video inputs. Works with all my current RGB video leads. Changes to the default settings, are required for some of my Scart Leads. Retails in the UK for around £350.



### PLEASE TURN OVER FOR LOW COST VIDEO CONVERTER INFORMATION







