Technical Specification.

Input:
RGB / S-Video / Composite input from domestic video equipment, 1V pk-pk.
SCART input connector.
75Ω terminations.
RGsB / SoG supported on SCART.

Output:
Two separated outputs via SCART connectors.
All video signals are buffered for 75Ω reverse terminated cables.
Audio. Function and widescreen switching information.
Sync-Separated output on Composite suitable for TV use (0.3V 75Ω reverse terminated cables.)

Power:
Supplied with a 9V unregulated power supply (12V unloaded). 12V regulated supply or 9V unregulated recommended.
Power consumption <1W.
LED power indicator (internal).

Dimensions:
Machined Enclosure:120x98x45mm.
3D Printed Enclosure: 107x86x38mm.

WARNING!
The Active Video Buffer 3 includes a suitable mains adaptor, which supplies 12V dc. All normal precautions should be observed towards electronics devices. Do not spill any liquids on the unit or power supply. Do not attempt to service the unit. Do not cover the unit, do allow for ventilation. Do not spray the unit with any combustable substances.

In the unlikely event the unit falters for any reason, disconnect from the mains supply and retry after a few minutes. Contact information is provided below.

Technology

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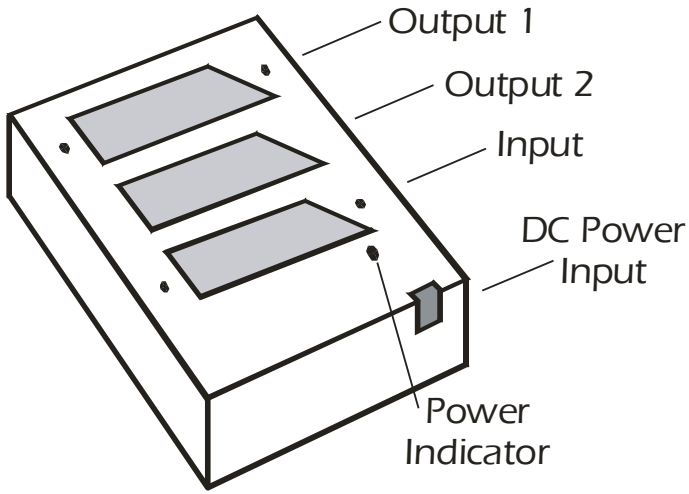
Active SCART Buffer V3.

http://www.js-technology.com

Instruction Manual.



- Input of RGB / S-Video / Composite from any source, such as DVD players, Sky Digital, Freeview or digital cable.
- Output of two high-quality RGB / S-Video / Composite copies of the input. Correct levels are maintained.
- Correct load to source equipment - Does not overload the source equipment.
- Output levels are the same as the input levels - no loss or variations in brightness.
- Audio is fully buffered.
- Widescreen and function switching information is preserved.
- Option of Sync-Separator model for RGBS or RGsB.
- Compact design and a low cost solution.

The Active Video Buffer unit should be connected to the source via a SCART lead. If RGB or S-Video signals are to be buffered, it is advisable to use a fully connected SCART lead, or one that has at least the RGB, audio and composite connections. The unit requires a 12V DC supply to operate, a suitable mains adaptor is supplied.

CE Designed & manufactured in Europe.

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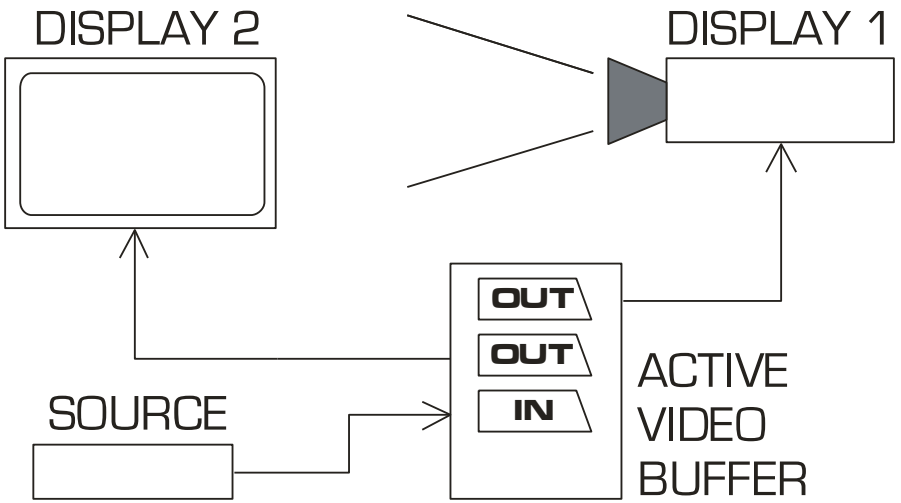
Configuration of Home-Cinema with the Active Video Buffer.



A typical configuration has a local display, such as a standard TV, and a remote display such as a projector as in the above example. The source, which could be digital TV or a DVD player, is connected to the input of the Active Video Buffer. Either of the two outputs can be connected to the TV or projector, there is no order of preference.

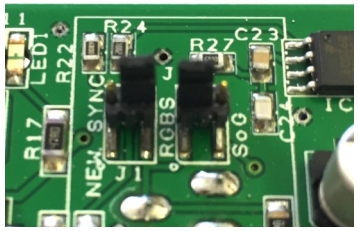
Widescreen and function switching is provided to both outputs, allowing for each display to take advantage of automatic switching if available. Audio is also provided to both SCART outputs.

If high quality RGB video is required in another room, the Active Video Buffer can be used to provide two outputs from one device. Using a long SCART lead, the second room can easily be connected.

Where a recorder requires an RGB source, but also it is required that the display has the same feed, the Active Video Buffer will provide the second output. Rather than connecting a display to the output, simply connect the recorder.

For duplicating videos to more than one VCR, the Active Video Buffer provides a high -quality means of providing a second output.

Configuration of Sync Separator.



On the Sync-Separator model the source and its output can be selected.

In the above diagram the standard configuration is selected. There are two jumpers, J1 and J2. Standard configuration is for J1 to have the output on the SCART to be the same composite video (Video-In) from input with J2 being also fed from the same composite input.

To select the Sync-Separator output change the J1 from the right two pins to the left two pins..

If RGsB is to be selected, where the sync information is on the Green channel (SoG), change the J2 to the right hand two pins.

J1 and J2 configuration options are:

	Left	**Right**
J1	Sync Separator Output	Composite Input
J2	RGBS	SoG