
taXon
tools

Manual Taxon Scart Switch

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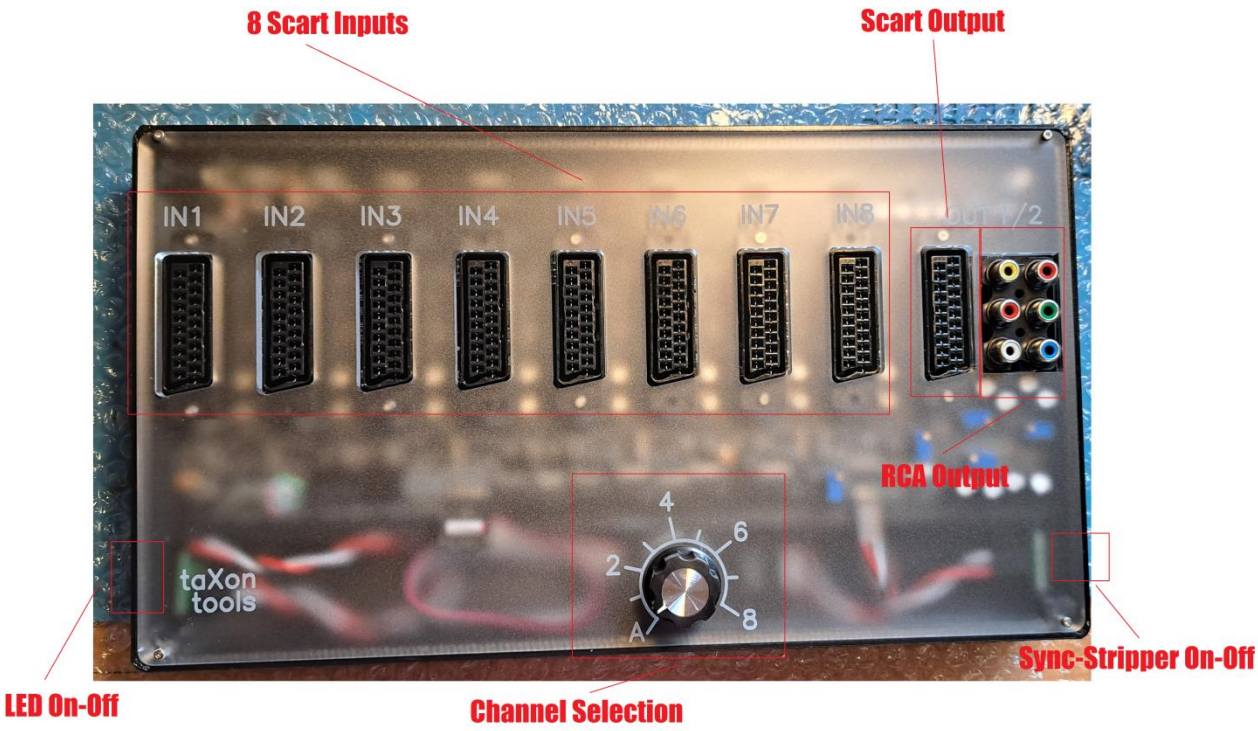
1) Overview



8 Scart inputs
Connect your input devices here. Connect devices with low priority to an input with a small number and devices with high priority to an input with a higher number.

Scart output
Connect your output device, e.g. your flat screen TV, here.

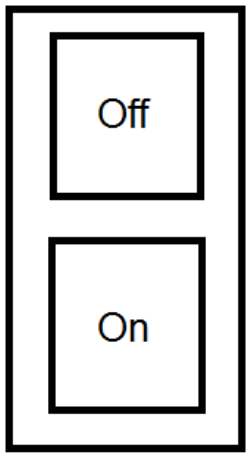
RCA output
Connect your output devices, e.g. your Sony BVM monitor and your AV receiver, here.

Input selection
You can select the desired input here. The letter “A” stands for automatic mode. At this position, the Taxon Scart Switch automatically switches to the most prioritized input device. If you select another position, the corresponding input is switched to the output. If no device is connected to the selected input, no signal will be switched to the output.

LED On-Off
This switch can be used to switch the input LEDs and the power LED on and off. If the switch is toggled during operation, brief disturbances of the output signal may occur.

Sync-Stripper On-Off

This switch turns the sync stripper on the video signal on or off for the Scart output and the RCA output.



2) First steps

2.1) Adapt Power Supply

Step 1:
Press the button as shown below and turn the plug clockwise to unlock it. Then you can remove it.

Step 2:
Select the desired country-specific plug.

Step 3:
Insert the desired country-specific plug and turn it counterclockwise until it clicks into place.

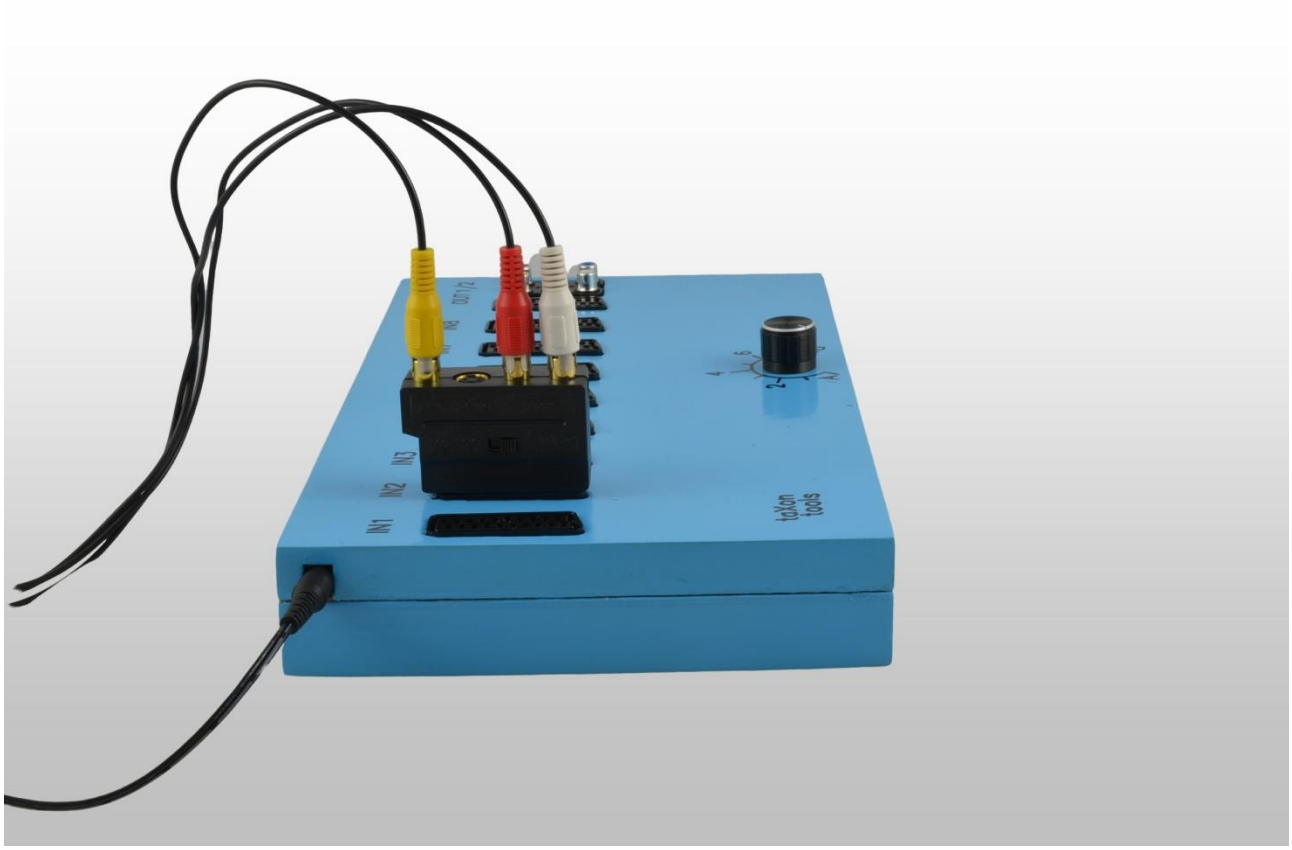
2.2) Connect devices

Connect the game consoles or other video equipment to the Taxon Scart Switch. If a device should have a higher priority, it should be connected to inputs with higher numbers.

Example: You have a PS2, an XBox and a NES. If the NES is turned on, the signal should always be displayed on the output device. As 2nd priority the Xbox should be enabled. To get the desired prioritization, the NES should be plugged into input 3, the Xbox into input 2 and the PS2 into input 1.

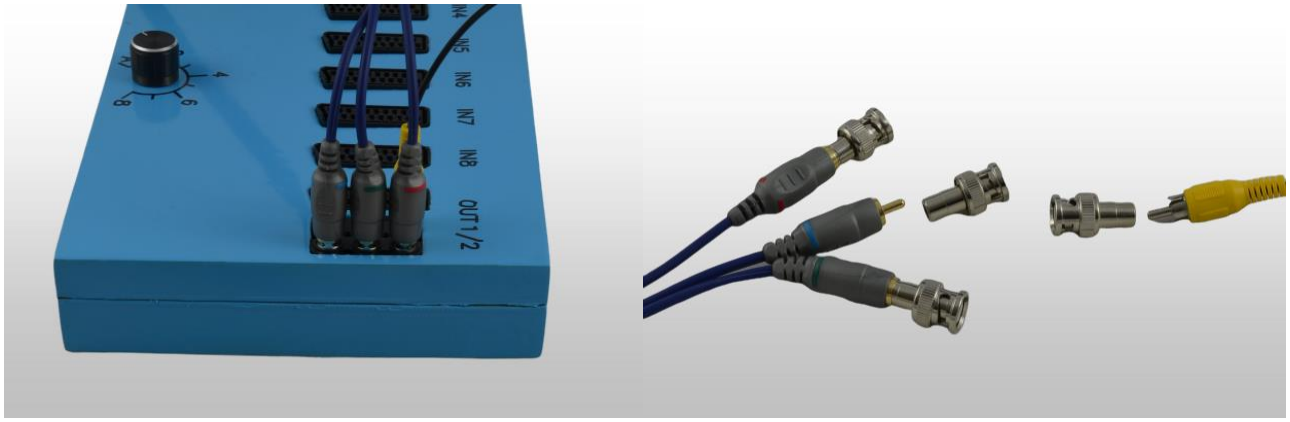
Connect the Scart and/or RCA output to the output devices. Then power the Taxon Scart Switch with the supplied power adapter. Turn on your output devices and then turn on the device at the desired input. The Taxon Scart Switch should now automatically display the switched-on input device at the output device if the AV channel is activated. For best quality we recommend using the official Scart cable to connect to the output device.

2.2.1) Connect device with RCA connection



If you want to connect devices with RCA connectors, use either the Taxon Tools adapter or an equivalent adapter to convert RCA to Scart. Connect the corresponding color of the RCA cable to the same color of the adapter.

2.2.2) Connect Sony PVM monitors



A Sony PVM monitor can be connected directly. All you need is 4 RCA-to-BNC adapters (RCA: female, BNC: male) on the monitor side. Connect the video output (yellow) and the three colors (red, green, blue) to the corresponding inputs of the Sony PVM monitor.

2.3) Daisy Chaining

For Daisy Chaining you need at least 2 Taxon Scart Switches. Connect the Scart output of the first taxon Scart Switch to input 1 of the second Taxon Scart Switch. Afterwards you can connect further input devices.

3) Troubleshooting

The input device is not displayed on the output device.

- Make sure that the input device is turned on.
- Make sure that the input device is connected correctly to the Taxon Scart Switch.
- Make sure that the input device is set to analog signal output.
- Make sure that the Taxon Scart Switch is plugged to the power socket.
- Make sure that the output device is switched on.
- Make sure that the output device is properly connected to the Taxon Scart Switch.
- Make sure that the AV channel is enabled on the output device.
- Make sure that the channel select button is set to “A” or to the desired channel.

The LEDs flash when a plug is plugged in or unplugged during operation or other devices are switched on near the Scart switch

This is not a fault with the device, you should not unplug your consoles during operation when the LEDs are on. However, the effect cannot be prevented completely at the moment.

The source device is displayed with continuous failures on the output device.

- Make sure that the Scart cable of the source device conforms with the Scart standard.
- Make sure that the Scart cable which is connected directly to the output device produces a clean image.
- Clean the Scart connector (i.e. with Isopropanol) to improve pin contact.

There is noise on the image on the output device, but only on certain inputs

It may be that certain source devices have better or worse quality on certain inputs. In this case, try to find another input for this source device which gives better results. If the problem exists with all inputs for this device, check the connection cable of the source device.

The sound of the input device is quieter than when it’s connected directly to the output device.

This is a technical limitation. Increase the volume on the output device.

I loop HD signals through the Taxon Scart Switch using an adapter and the quality is poor.

This problem cannot be solved with the current version of the Taxon Scart Switch. Use of HD signal sources are not recommended with the device.

When any channel is selected on the output device, certain input devices automatically switch to the AV channel. However, if another device is switched on, no image will appear. This sometimes also happens when the AV channel is switched explicitly.

The problem is that the source device, which selects the AV channel, provides a switching voltage on pin 8 of the Scart plug. By switching to an input device that does not provide this switching voltage, the standard channel can be reset, depending on the output device. Temporary solution: manually switch back to the AV channel on the output device.

Permanent solution: Use a Scart cable that does not provide a switching voltage on pin 8 or use only Scart cables with a switching voltage on pin 8.

Alternative solution: Use the RCA output of the Taxon Scart switch

The device is defective, how can I claim the 2-year warranty?

Please make sure that the error is really due to the device as for properly functioning devices shipping cost has to be paid by the customer.

If any of the troubleshooting approached fixed the problem, the device can be returned with a preferably understandable description of the fault, a return address, telephone number and e-mail address:

Taxon Tools KLG
Industriestrasse 173a
8957 Spreitenbach
Switzerland

Important: Description for Customs: **„Taxon Scart Switch Warranty Repair“**

If there is actually a defect, the repaired device will be returned to you free of charge after a few days. Otherwise you will be contacted regarding the payment of the return postage. Indicate to customs that it is a repair and indicate a value of less than CHF 50.

The warranty has expired, can I still have the device repaired?
Yes, you can return the device and it will be repaired for a fee. You will receive a quote before the repair begins. After that, you can still decide if you want to repair the device or not. If you don’t want to repair the device, it can be sent back unrepaired. Postage has to be payed by the customer. If you don’t want to pay the postage, the device becomes the property of Taxon Tools KLG.

4) Technical Data

Inputs / Outputs

8 Scart inputs (RGB capable)
1 Scart output (RGB capable)
1 6-pin RCA output (RGBS signals / Audio-LR)

Automatic switching

The switch detects a video signal on pin 20. If pin 20 is not connected at the input device, this input must be selected manually. Higher inputs have priority over lower inputs.

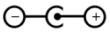
Dimensions

Length: 33cm
Width: 18cm
Height: 4cm
Weight: approx. 1250g

Supported Signals

Composite-Video (FBAS) (with Adapter)
RGB-Video
S-Video (with Adapter)

Electrical power supply

Voltage: 18-25V
Current: up to 0.5A
Polarity: 
Max power consumption: 4 Watts

Supported signal levels

Video input signal and RGB input signals: 3V pp AC coupled @ 75 Ohm
Video output signal and RGB output signals: AC-coupled
Audio input signal: 9V pp AC-coupled
Audio output signal: AC-coupled
Switching voltage: 0-12V DC @ 10K Ohm
RGB switching signal: 0-3V DC @ 75 Ohm