

SCART TV Connection for 'AV' Channel Switching

Most modern TV's and VCRs have a SCART socket connection. This is a 21 pin socket which can send and receive direct video and audio signals from cameras and video equipment. This compatibility can be used to good effect by feeding the socket from either a stand alone Doorphone camera or the output from a CCTV system, using either the video Out of the last monitor in the system or from the common output from Comfort's 8 camera setup using the 4-way relays. The video feed to the SCART conector uses **Pin 20** as the video and **Pin 17** as the screen or earth connection.

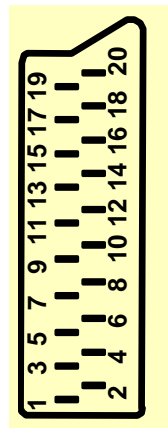
SCART Function Switching (Pin 8)

Many newer TV's also support the ability to switch the TV to the AV channel via the SCART input. It is best to check that this feature actually works on a customer's TV set, because it is a very new facility.

The switching is achieved by applying **+12v to pin 8** (actually between +9.5V and 12V max) and the **0v to pin 14**. This will change the channel to AV for as long as the signal is present.

Comfort's outputs are negative applied and so a normally open relay is required on Comfort's output to switch +12v through the contact to the SCART connection. **Response 21** has been designed to do this using **Output 7**.

PIN	SIGNAL	SPECIFICATION
1	AUDIO OUTPUT (R)	0.5 Vrms / 1 k Ohm or less
2	AUDIO INPUT (R)	0.5 Vrms / 10 k Ohm or less
3	AUDIO OUTPUT (L)	0.5 Vrms / 1 k Ohm or less
4	EARTH (Audio)	
5	EARTH (B-input)	
6	AUDIO INPUT (L)	0.5 Vrms / 1 k Ohm or more
7	B-INPUT	0.7 V p-p / 75 ohms
8	FUNCTION	9.5V to 12 V max.
9	SWITCHING	~
10	EARTH (G-input)	~
11	~	0.7 V p-p / 75 ohms
12	G-INPUT	~
13	~	~
14	EARTH (R-input)	~
15	EARTH	0.7 V p-p / 75 ohms
16	R-INPUT	1-3 V p-p / 75 ohms
17	FAST BLANKING	~
18	EARTH(VIDEO)	~
19	EARTH(Fast Blanking)	1 V p-p / 75 ohms
20	VIDEO OUPUT	1 V p-p / 75 ohms
21	VIDEO INPUT	Case, Ground
	SCREENING PLUG	



Modulated RF and TV Aerial Distribution

It may be useful to convert the video signal from the camera or camera system into a modulated RF signal which is compatible with a standard TV aerial. This may be useful when a SCART input is not present or where the customer needs the signal injecting into a TV distribution system. This enables the video signal to be viewed on a dedicated TV channel on every TV set in the property. This is achieved using the Part No: SCMOD connected in line with the aerial feed but *before* the Distribution amplifier. SCMOD requires a 12v supply fed from a 'potted' 12V PSU. It is still possible to switch to the selected channel when movement is detected but only by using an Infrared output from comfort or using the '1R2' cloner.