

The Scart (Syndicat des Constructeurs d'Appareils Radiorécepteurs et Téléviseurs) connector is used for combined audio and video connections.

The connector is also known as Pertitel connector or Euroconnector.

A formal description is given in the CENELEC EN 50 049-1:1989 standard or in the IEC 933-1 standard.

Different pin-configurations exist. Which configurations are available depend on the video device used. Sometimes one can choose the configuration (like composite or S-video) by changing a software setting.

Two status signals define (partly) which video signals are active. A video device can use these status signals to automatically switch between internal or external audio/video signals.

*RGB Connection

Output connector	1	Audio right out
	3	Audio left (or mono) out
	4	Audio return
	7	Blue out
	5	Blue return
	11	Green out
	9	Green return
	15	Red out
	13	Red return
	16	RGB status out
	14	RGB status return
	19	Sync (composite video) out
	17	Sync return
	21	Shield
Input connector	2	Audio right in
	6	Audio left (or mono) in
	4	Audio return
	7	Blue in
	5	Blue return
	11	Green in
	9	Green return
	15	Red in
	13	Red out
	16	RGB status in
	14	RGB status return
	20	Sync (composite video) in
	18	Sync return
	21	Shield

*S-Video Connection

Output connector	1	Audio right out
	3	Audio left (or mono) out
	4	Audio return
	15	Chrominance out
	13	Chrominance return
	8	Video status out
	19	Luminance out
	17	Luminance return
21	Shield	
Input connector	2	Audio right in
	6	Audio left (or mono) in
	4	Audio return
	15	Chrominance in
	13	Chrominance return
	8	Video status in
	20	Luminance in
	18	Luminance return
21	Shield	

*Composite Video Connection

Output connector	1	Audio right out
	3	Audio left (or mono) out
	4	Audio return
	8	Video status out
	19	Composite video out
	17	Composite video return
	21	Shield
Input connector	2	Audio right in
	6	Audio left (or mono) in
	4	Audio return
	8	Video status in
	20	Composite video in
	18	Composite video return
	21	Shield

*EasyLink Connection (additional)

Television connector	10	I/O Control Bus
Video recorder connector	10	I/O Control Bus

*(Composite) Decoder Connection

Receiver connector	1	Audio right out
	2	Audio right in
	3	Audio left out
	6	Audio left in
	4	Audio return
	8	Video status in
	19	Baseband out (scrambled)
	17	Baseband out return
	20	Composite video in (unscrambled)
	18	Composite video in return
	21	Shield
Decoder connector	2	Audio right in
	1	Audio right Out
	6	Audio left in
	3	Audio left out
	4	Audio return
	8	Video status out
	20	Baseband in
	18	Baseband in return
	19	Composite video out
	17	Composite video out return
	21	Shield

*Signal Levels

Signal	AC level	DC level	Impedance
Red, green, blue	Peak to blanking: 0...0.7 V \pm 3 dB	0...2 V	75 Ohm
Sync	Peak to peak: 0...0.3 V -3 dB...+10 dB	0...2 V	75 Ohm
Composite video	White to sync: 0...1.0 V \pm 3 dB	0...2 V	75 Ohm
Chrominance	0...0.3 V -3 dB...+10 dB	0...2 V	75 Ohm
Luminance	0...1.0 V \pm 3 dB	0...2 V	75 Ohm
MAC	Black to white: 0...1.0 V \pm 3 dB	0...2 V	75 Ohm
Audio in	0.2...2.0 V (nominal: 0.5 V)		\geq 10 kOhm
Audio out	Nominal: 0.5 V (maximum: 2.0 V)		\leq 1 kOhm
Video status	Low data rate communication: 0.0...2.0 V (e.g. remote control; Easylink)	Internal: 0.0...2.0 V External (16:9): 4.5...7.0 V External (4:3): 9.5...12.0 V	In: ZR \geq 10 kOhm ZC \leq 2 nF Out: ZR \leq 1 kOhm
RGB status		Internal: 0.0...0.4 V External: 1.0...3.0 V	75 Ohm