

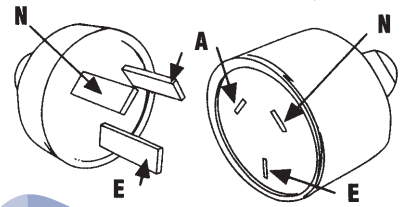
WIRING 240V PLUGS & SOCKETS

Unless you are an experienced constructor or technician, we DO NOT recommend that you wire 240V connectors (including IEC style) yourself. If you ask nicely, a licensed electrician or TV servicemason will probably do it for nothing for you, in the interest of safety.

If you *do* feel competent to do it yourself, the illustrations at right will guide you for correct wiring practice. Also follow the instructions on the packaging supplied with the plug or socket for cord anchorage, wire cutting details, etc.

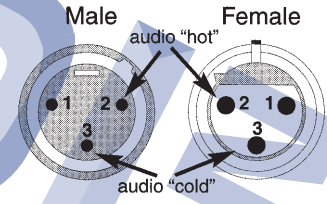
MEANINGS OF WIRE COLOURS

Status of Conductor	Current Colour Code	Old System Colour Code
ACTIVE	BROWN	RED
NEUTRAL	BLUE	BLACK
EARTH	GREEN/YELLOW	GREEN



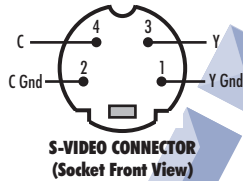
3-PIN XLR CONNECTOR PINOUTS

Shown at far right are the pin connections for balanced (generally microphone) leads for 3-pin XLR (ie. Cannon/Alcatel) professional audio plugs and sockets. Audio 'hot' means the in-phase connection and audio 'cold' means the out-of-phase connection. This is important only for balanced line operation. To run unbalanced, you can connect pin 1 (ie. ground or screen) to either pin 3 or 2 — not both. If you connect 3 to 1, pin 2 becomes the signal pin.



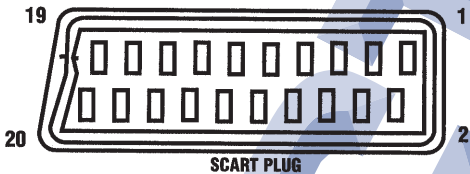
S-VIDEO CONNECTOR

S-Video or Y/C connectors are often used for connecting DVD and Laserdisc players to high-end TV receivers, monitors and video projectors. The four pins allow the video luminance (Y) and chrominance (C) information to be kept separate, to reduce mutual interference and give a clearer picture.



SCART A/V CONNECTOR

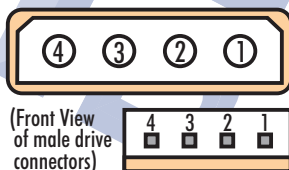
The Scart connector is part of a European system for connecting television receivers and other home entertainment equipment. A Scart connector has up to 21 pins (including the case/shield) which provide for stereo audio and composite video in and out, RGB, two lines of data and two control lines. Note that most consumer equipment uses only some of the pins.



Pin	Use	Level/Impedance
1	Audio Output (R)	0.5V/1k-ohm
2	Audio Input (R)	0.5V/10k-ohm
3	Audio Output (L)	0.5V/1k-ohm
4	Audio Ground	
5	Blue Ground	
6	Audio Input (L)	0.5V/10k-ohm
7	Blue	0.7Vp-p/75 ohm
8	Status (CVBS)	L: 0-2V H: 10-12V/10k-ohm
9	Green Ground	
10	Data D2B (Inverted)	
11	Green 0.7Vp-p/75 ohm	
12	Data 2B	
13	Red Ground	
14	D2B Ground	
15	Red	0.7Vp-p/75 ohm
16	RGB Status/Fast Blanking	L: 0-0.4V H: 1-3V/75 ohm
17	CVBS Video Ground	
18	RGB Status Ground	
19	Composite Video Output	1V/75 ohm
20	Composite Video Input	1V/75 ohm
21	Case/Shield	

PC DISK DRIVE POWER PIN ASSIGNMENTS

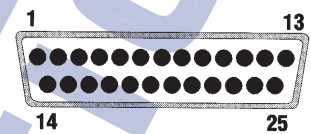
Large Connector	Small Connector	Power Assignment
1	4	+12V
2	3	12V Gnd
3	2	5V Gnd
4	1	+5V



RS-232 PIN ASSIGNMENTS - 25 Pin

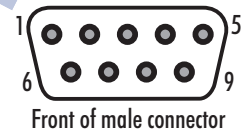
- 1 Protective ground
- 2 Transmit data
- 3 Received data
- 4 Request to send
- 5 Clear to send
- 6 Data set ready
- 7 Signal ground
- 8 Received line signal detector
- 20 Data terminal ready

D25 Male Connector (front view)



PC SERIAL PORT - 9 Pin

- 1 Carrier Detect CD
- 2 Receive Data RX
- 3 Transmit Data TX
- 4 Data Terminal Ready DTR
- 5 Signal Ground GND
- 6 Data Set Ready DSR
- 7 Request To Send RTS
- 8 Clear To Send CTS
- 9 Ring Indicator RI



EGA/VGA CONNECTIONS

PIN	VGA	EGA	PIN	VGA	EGA
1	RED	GND	9	-	VERT. DRV.
2	GREEN/MONO	RED 2	10	GND	N/C
3	BLUE	RED	11	GND (COLOUR)	N/C
4	-	GREEN	12	-	N/C
5	-	BLUE	13	HORIZ. SYNC.	N/C
6	R-GND	GREEN 2/INT.	14	VERT. SYNC.	N/C
7	G-GND	BLUE 2/MONO VID	15	-	N/C
8	B-GND	HORIZ. DRIVE			

PC PARALLEL PORT PINOUTS

Pin No.	Polarity	Description	Pin No.	Polarity	Description
1	—	Strobe	10	+	Acknowledge
2	+	Data 0	11	—	Busy
3	+	Data 1	12	+	Paper End
4	+	Data 2	13	+	Select
5	+	Data 3	14	+	Auto Feed
6	+	Data 4	15	—	Error
7	+	Data 5	16	—	Initialise Printer
8	+	Data 6	17	—	Select Input
9	+	Data 7	18-25	—	Ground

