



**DC1-4**

**DIM-CUT UNIT**

***Handbook***

**Television Systems Limited.**

**Vanwall Road, Maidenhead, Berkshire, SL6 4UB  
Telephone +44 (0)1628 676200, FAX +44 (0)1628 676299**



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## SAFETY

### **Installation.**

Unless otherwise stated TSL equipment may be installed at any angle or position within an operating temperature range of 5° - 30° C .

All TSL equipment conforms to the EC Low Voltage Directive:

EC Low Voltage Directive (73/23/EEC)(OJ L76 26.3.73)(LVD).  
Amendment: (93/68/EEC) (OJ L220 30.8.93).

In all cases the frame of the equipment must be earthed on installation.

The earth pin on the IEC mains inlet connector is connected to the metal frame of the equipment, to 0 volts on the internal DC PSU and to signal ground, unless otherwise stated. All metal panels are bonded together.

Check that the voltage selector setting (if fitted) and the fuse rating is correct for the local mains supply.

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## WARRANTY, MAINTENANCE AND REPAIR

All TSL equipment is guaranteed for one year from the date of delivery to the customer's premises. If the equipment is to be stored for a significant period, please contact TSL concerning a possible extended warranty period.

### **Failure during warranty**

If any TSL product should fail or become faulty within the warranty period, first please check the PSU fuses.

All maintenance work must be carried out by trained and competent personnel.

If equipment has to be returned to TSL for repair or re-alignment, please observe the following overleaf:

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## **TSL Returns Procedure**

Please telephone +44 (0)1628 676200 (Fax: +44 (0)1628 676299) and ask for Sales who will provide a Returns Number. This will enable us to track the unit effectively and will provide some information prior to the unit arriving. Please note that TSL operates a flat rate returns system for non warranty repairs.

For each item, this unique Returns Number must be included with the Fault Report sent with the unit.

A contact name and telephone number are also required with the Fault Report sent with the unit.

### **Fault report details required.**

- Company:
- Name:
- Address:
- Contact Name:
- Telephone No:
- Returns Number:
- Symptoms of the fault (to include switch setting positions, input signals etc):

### **Packing**

Please ensure that the unit is well packed as all mechanical damage is chargeable. TSL recommends that you insure your equipment for transit damage.

The original packaging, when available, should always be used when returning equipment..

**If returned equipment is received in a damaged condition, the damage should be reported both to TSL and the carrier immediately.**

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## Four Channel Stereo Dim-Cut Unit

### Introduction

This unit accepts four balanced audio stereo inputs at line level.

The front panel controls are DIM/CUT and input select switches and a volume / level control.

### Rear Panel Connectors

#### XLR-3 Pinout

<b>XLRS</b>	<b>PIN</b>	<b>FUNCTION</b>
ANALOG	1	SCREEN
ANALOG	2	HOT
ANALOG	3	COLD

#### D25 – Input Connector

<b>D 25 CONNECTOR</b>		<b>INPUT CHANNEL</b>
<b>PIN NO</b>	<b>PIN NO</b>	
<b>HOT +</b>	<b>COLD -</b>	
1	14	A8
4	17	A6
7	20	A4
10	23	A2
15	3	A7
18	6	A5
21	9	A3
24	12	A1
25		Screen/Shield

**D9- Serial connector.** This is wired for RS422.

<b>D9</b>	<b>CONTROL</b>
1	0V
6	0V
2	TX-
7	TX+
3	RX+
8	RX-
4	0V
9	0V
5	N/C

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## Specifications

### Power Supply

Supply Voltage	240V AC @ 50Hz/110V AC @ 60Hz +/- 10%
Power Consumption	20 VA Max.

### Physical Dimensions

Height	44mm (1U)
Width	486mm (19")
Depth	150mm

### Input.1-4

D25	Input connector. This is wired in parallel with the XLR connectors.
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### Input.1-4

Connector Type	XLR Socket Pin1 GND, Pin 2 Hot, Pin 3 Cold
Signal	Balanced line level audio.
Frequency Response	30Hz to 25kHz
Impedance	>20k $\Omega$

### Serial Connector

D9	This is wired for RS422.
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### Output.

Connector	XLR Plug
Impedance	50 $\Omega$
Variable Output Level	Approx -75dB to +6dB

### DIM/CUT Switch

DIM	Approx -14dB
CUT	Greater than -75dB