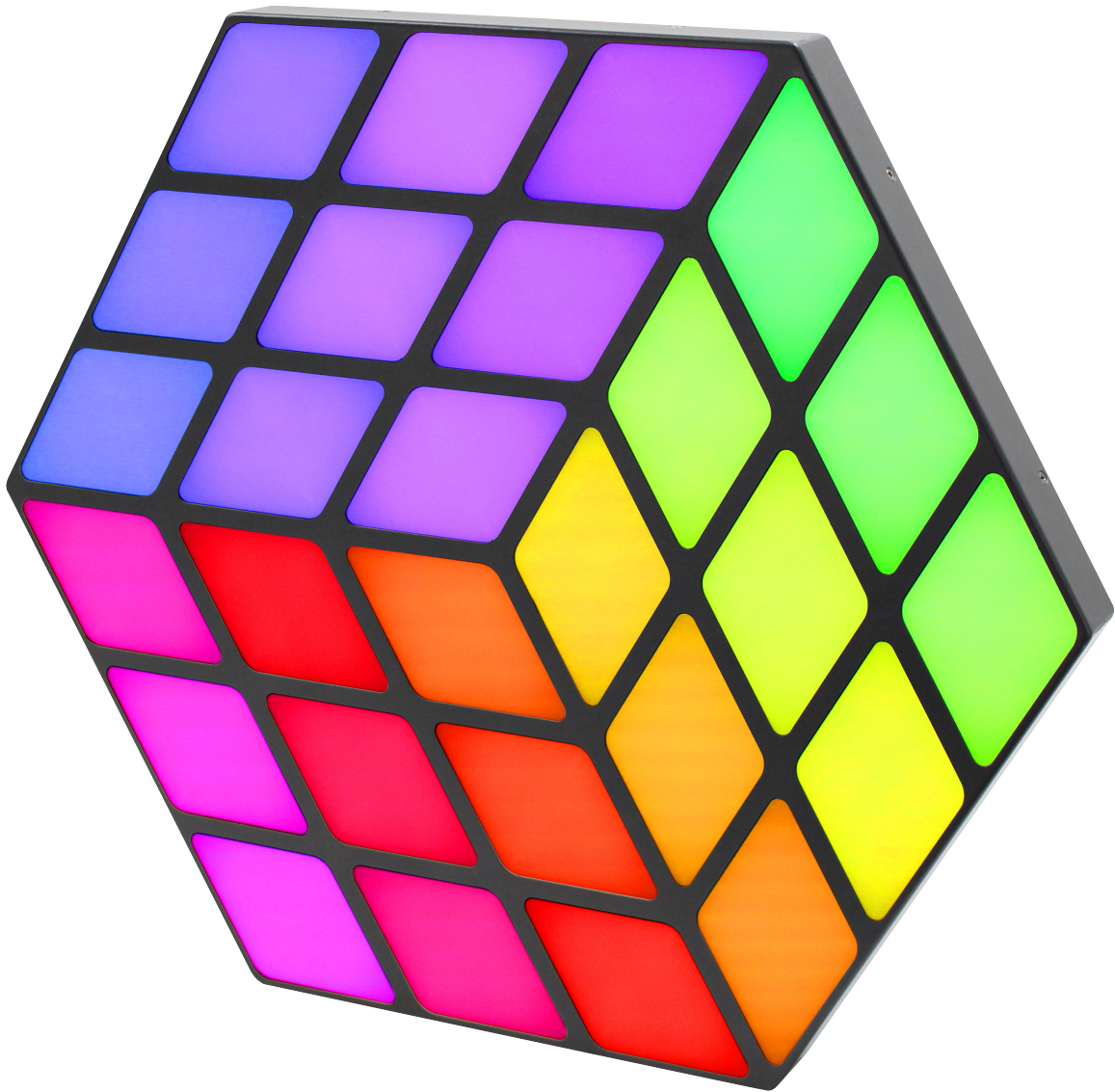


LEDj

Rubix RGB 3D Panel User Manual



Order code: LEDJ476

WARNING

FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOUR INITIAL START-UP!

- Before your initial start-up, please make sure that there is no damage caused during transportation.
- Should there be any damage, consult your dealer and do not use the equipment.
- To maintain the equipment in good working condition and to ensure safe operation, it is necessary for the user to follow the safety instructions and warning notes written in this manual.
- Please note that damages caused by user modifications to this equipment are not subject to warranty.



IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorised modification to the equipment.

- Never let the power cable come into contact with other cables. Handle the power cable and all mains voltage connections with particular caution!
- Never remove warning or informative labels from the unit.
- Do not open the equipment and do not modify the unit.
- Do not connect this equipment to a dimmer pack.
- Do not switch the equipment on and off in short intervals, as this will reduce the system's life.
- Only use the equipment indoors.
- Do not expose to flammable sources, liquids or gases.
- Always disconnect the power from the mains when equipment is not in use or before cleaning! Only handle the power-cable by the plug. Never pull out the plug by pulling the power-cable.
- Make sure that the available mains supply voltage is between 100~240V AC, 50/60Hz.
- Make sure that the power cable is never crimped or damaged. Check the equipment and the power cable periodically.
- If the equipment is dropped or damaged, disconnect the mains power supply immediately and have a qualified engineer inspect the equipment before operating again.
- If the equipment has been exposed to drastic temperature fluctuation (e.g. after transportation), do not connect power or switch it on immediately. The arising condensation might damage the equipment. Leave the equipment switched off until it has reached room temperature.
- If your product fails to function correctly, stop use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Pro Light dealer for service.
- Only use fuses of same type and rating.
- Repairs, servicing and power connection must only be carried out by a qualified technician. THIS UNIT CONTAINS NO USER SERVICEABLE PARTS.
- This lighting fixture is for professional use only - it is not designed for or suitable for household use. The product must be installed by a qualified technician in accordance with local territory regulations. The safety of the installation is the responsibility of the installer. The fixture presents risks of severe injury or death due to fire hazards, electric shock and falls.
- Warning! Risk Group 2 LED product according to EN 62471. Do not view the light output with optical instruments or any device that may concentrate the beam.
- WARRANTY: One year from date of purchase.

OPERATING DETERMINATIONS

If this equipment is operated in any other way, than those described in this manual, the product may suffer damage and the warranty becomes void. Incorrect operation may lead to danger e.g: short-circuit, burns and electric shocks etc.

Do not endanger your own safety and the safety of others!

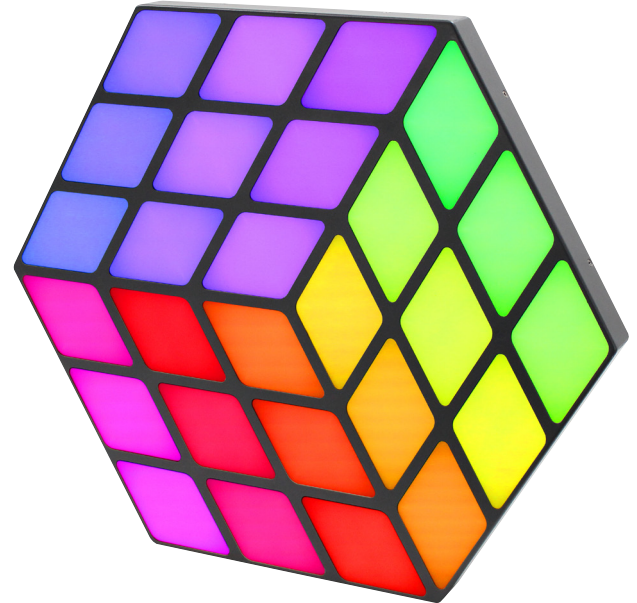
Incorrect installation or use can cause serious damage to people and/or property.

Rubix RGB 3D Panel

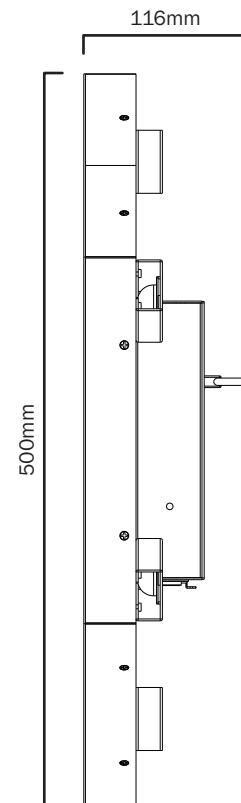
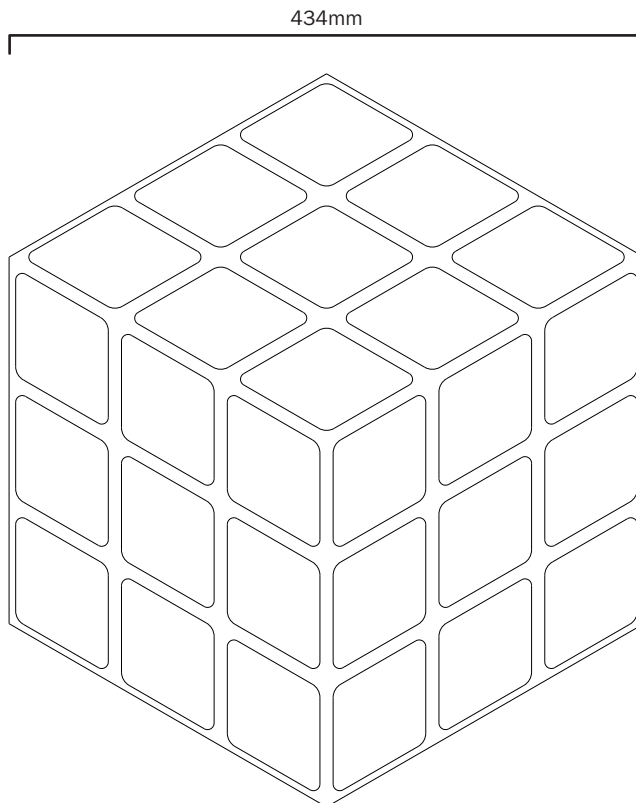
Utilising RGB SMD 5050 LEDs combined with retro styling the Rubix offers a fresh approach to on-stage 'eye candy' effects. Twenty seven pixels, arranged in a hexagonal chassis generate a full colour, 3D effect as the colours bring the flat panel to life.

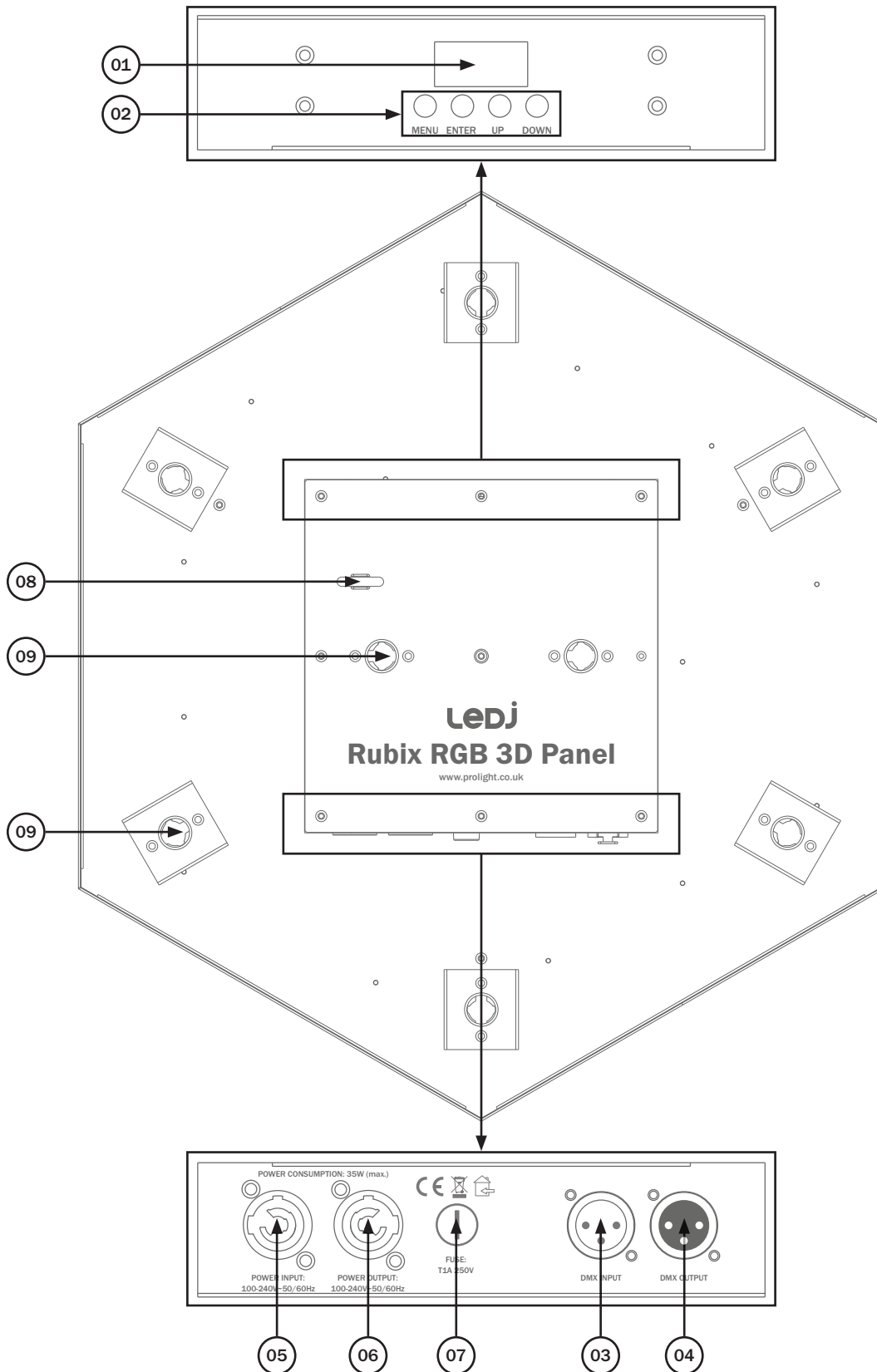
The choice of control options include sound active, master/slave, and auto, accessing a large number of built in macros making these ideal for night clubs, entertainers or on stage. The Rubix also features full pixel mapping capability for integration into larger systems.

- 108 tri-colour SMD 5050 LEDs (RGB)
- Viewing angle: 180°
- Pixels: 27
- DMX channels: 9/14/17/81/83 or 98 selectable
- Auto, sound active and master/slave modes
- 0 - 100% dimming and variable strobe
- Supplied with quick release omega clamps
- 4 push button menu with LED display
- PowerCON input/output
- 3-Pin XLR input/output
- Convection cooled



Specifications	Rubix RGB 3D Panel
Power consumption	35W
Power supply	100~240V, 50/60Hz
Fuse	T1A 250V
Dimensions	500 x 434 x 116mm
Weight	5.2kg
Order code	LEDJ476

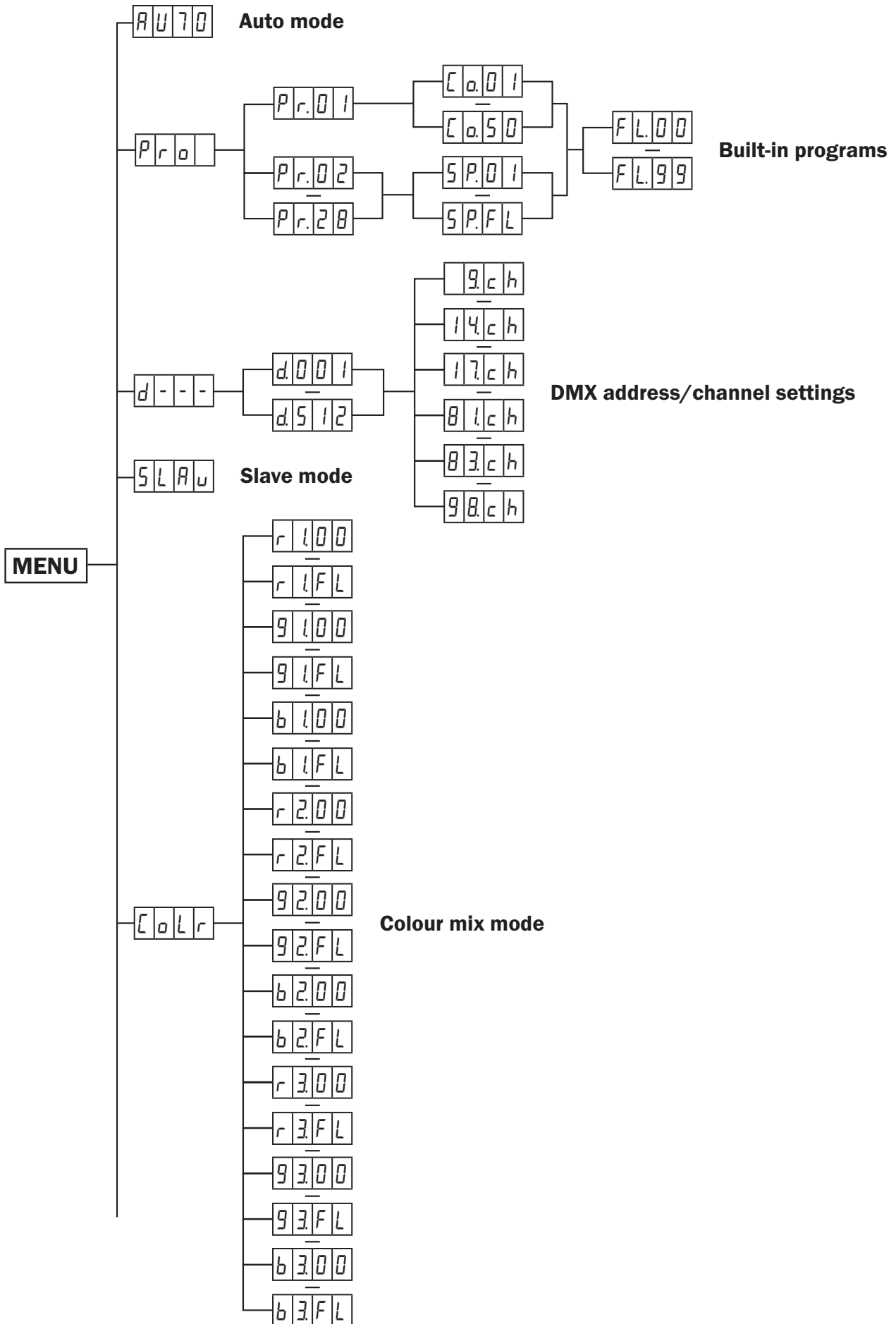


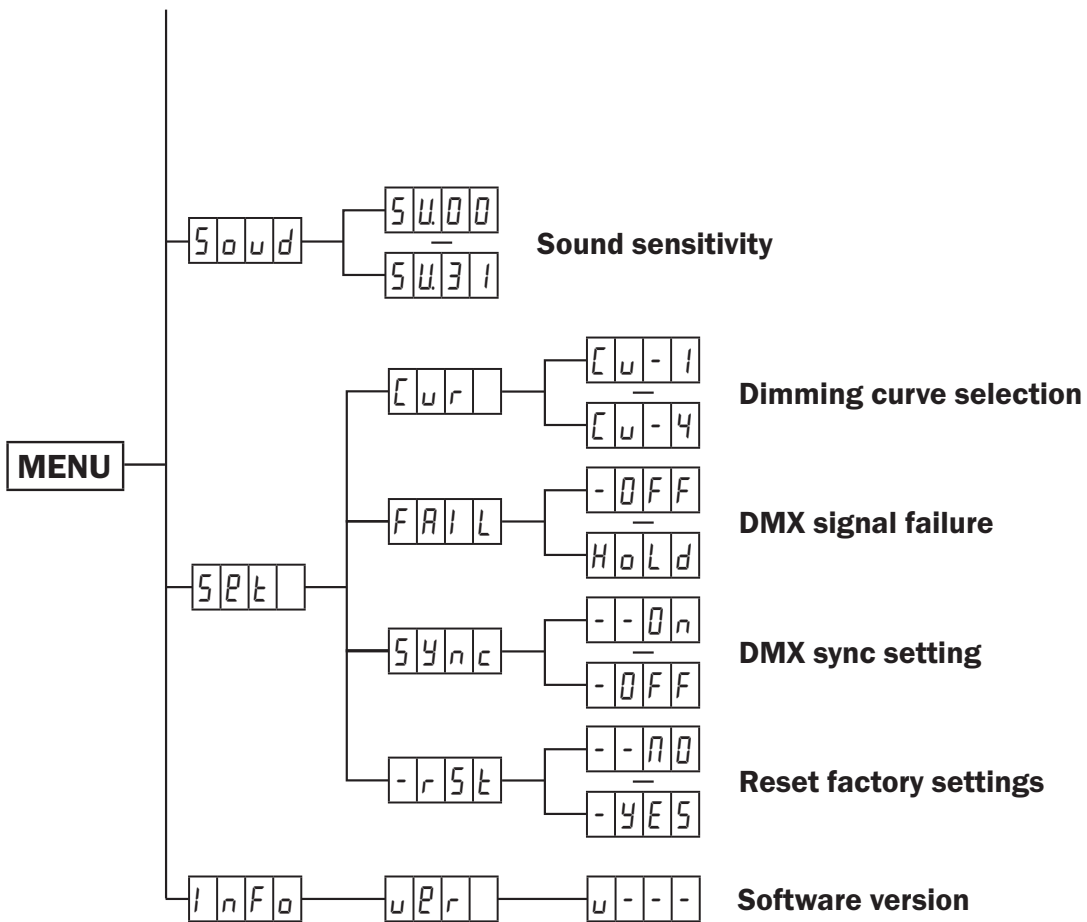


- 01 - LED display
- 02 - Function buttons
- 03 - 3-Pin DMX input
- 04 - 3-Pin DMX output
- 05 - PowerCON input

- 06 - PowerCON output
- 07 - Fuse T1A 250V
- 08 - Safety eye
- 09 - Omega clamp mounts

In the box: **1 x fixture, 1 x omega clamp, 2 x triangular connection omega clamp, 1 x connection omega clamp, 1 x PowerCON cable & 1 x user manual**





DMX mode:

Operating in a DMX control mode environment gives the user the greatest flexibility when it comes to customising or creating a show. In this mode you will be able to control each individual trait of the fixture and each fixture independently.

To access the DMX address mode, press the “MENU” button and use the “UP” and “DOWN” buttons on the rear of the unit to show *d001* on the LED display. Now press the “ENTER” button and use the “UP” and “DOWN” buttons to set the required DMX address. Press the “ENTER” button to confirm the setting. The DMX channel mode will now be displayed, use the “UP” and “DOWN” buttons on the rear of the unit to show select one of the 9/14/17/81/83 or 98 DMX channel modes. Press the “ENTER” button to confirm the setting.

To exit out of any of the above options, press the “MENU” button.

9 channel mode:

Channel	Value	Function
1	000-255	Red segment 1 dimmer (0-100%)
2	000-255	Green segment 1 dimmer (0-100%)
3	000-255	Blue segment 1 dimmer (0-100%)
4	000-255	Red segment 2 dimmer (0-100%)
5	000-255	Green segment 2 dimmer (0-100%)
6	000-255	Blue segment 2 dimmer (0-100%)
7	000-255	Red segment 3 dimmer (0-100%)
8	000-255	Green segment 3 dimmer (0-100%)
9	000-255	Blue segment 3 dimmer (0-100%)

14 channel mode:

Channel	Value	Function
1	000-255	Master dimmer (0-100%)
2	000-255	Red dimmer (0-100%)
3	000-255	Green dimmer (0-100%)
4	000-255	Blue dimmer (0-100%)
5	000-255	Red segment 1 dimmer (0-100%)
6	000-255	Green segment 1 dimmer (0-100%)
7	000-255	Blue segment 1 dimmer (0-100%)
8	000-255	Red segment 2 dimmer (0-100%)
9	000-255	Green segment 2 dimmer (0-100%)
10	000-255	Blue segment 2 dimmer (0-100%)
11	000-255	Red segment 3 dimmer (0-100%)
12	000-255	Green segment 3 dimmer (0-100%)
13	000-255	Blue segment 3 dimmer (0-100%)
14	000-010	No function
	011-255	Strobe (slow-fast)

17 channel mode:

Channel	Value	Function
1	000-255	Master dimmer (0-100%)
2	000-255	Red dimmer (0-100%)
3	000-255	Green dimmer (0-100%)
4	000-255	Blue dimmer (0-100%)
5	000-255	Red segment 1 dimmer (0-100%)
6	000-255	Green segment 1 dimmer (0-100%)
7	000-255	Blue segment 1 dimmer (0-100%)
8	000-255	Red segment 2 dimmer (0-100%)
9	000-255	Green segment 2 dimmer (0-100%)
10	000-255	Blue segment 2 dimmer (0-100%)
11	000-255	Red segment 3 dimmer (0-100%)
12	000-255	Green segment 3 dimmer (0-100%)
13	000-255	Blue segment 3 dimmer (0-100%)
14	000-255	Static patterns (see chart page 11)
15	000-255	Programs (see chart page 11)
16	000-255	Speed/sound sens (slow-fast/low-high)
17	000-010	No function
	011-255	Strobe (slow-fast)

81 channel mode:

Value	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10
000-255	Pixel 1 Red (0-100%)	Pixel 1 Green (0-100%)	Pixel 1 Blue (0-100%)	Pixel 2 Red (0-100%)	Pixel 2 Green (0-100%)	Pixel 2 Blue (0-100%)	Pixel 3 Red (0-100%)	Pixel 3 Green (0-100%)	Pixel 3 Blue (0-100%)	Pixel 4 Red (0-100%)

Value	CH11	CH12	CH13	CH14	CH15	CH16	CH17	CH18	CH19	CH20
000-255	Pixel 4 Green (0-100%)	Pixel 4 Blue (0-100%)	Pixel 5 Red (0-100%)	Pixel 5 Green (0-100%)	Pixel 5 Blue (0-100%)	Pixel 6 Red (0-100%)	Pixel 6 Green (0-100%)	Pixel 6 Blue (0-100%)	Pixel 7 Red (0-100%)	Pixel 7 Green (0-100%)

Value	CH21	CH22	CH23	CH24	CH25	CH26	CH27	CH28	CH29	CH30
000-255	Pixel 7 Blue (0-100%)	Pixel 8 Red (0-100%)	Pixel 8 Green (0-100%)	Pixel 8 Blue (0-100%)	Pixel 9 Red (0-100%)	Pixel 9 Green (0-100%)	Pixel 9 Blue (0-100%)	Pixel 10 Red (0-100%)	Pixel 10 Green (0-100%)	Pixel 10 Blue (0-100%)

Value	CH31	CH32	CH33	CH34	CH35	CH36	CH37	CH38	CH39	CH40
000-255	Pixel 11 Red (0-100%)	Pixel 11 Green (0-100%)	Pixel 11 Blue (0-100%)	Pixel 12 Red (0-100%)	Pixel 12 Green (0-100%)	Pixel 12 Blue (0-100%)	Pixel 13 Red (0-100%)	Pixel 13 Green (0-100%)	Pixel 13 Blue (0-100%)	Pixel 14 Red (0-100%)

Value	CH41	CH42	CH43	CH44	CH45	CH46	CH47	CH48	CH49	CH50
000-255	Pixel 14 Green (0-100%)	Pixel 14 Blue (0-100%)	Pixel 15 Red (0-100%)	Pixel 15 Green (0-100%)	Pixel 15 Blue (0-100%)	Pixel 16 Red (0-100%)	Pixel 16 Green (0-100%)	Pixel 16 Blue (0-100%)	Pixel 17 Red (0-100%)	Pixel 17 Green (0-100%)

Value	CH51	CH52	CH53	CH54	CH55	CH56	CH57	CH58	CH59	CH60
000-255	Pixel 17 Blue (0-100%)	Pixel 18 Red (0-100%)	Pixel 18 Green (0-100%)	Pixel 18 Blue (0-100%)	Pixel 19 Red (0-100%)	Pixel 19 Green (0-100%)	Pixel 19 Blue (0-100%)	Pixel 20 Red (0-100%)	Pixel 20 Green (0-100%)	Pixel 20 Blue (0-100%)

Value	CH61	CH62	CH63	CH64	CH65	CH66	CH67	CH68	CH69	CH70
000-255	Pixel 21 Red (0-100%)	Pixel 21 Green (0-100%)	Pixel 21 Blue (0-100%)	Pixel 22 Red (0-100%)	Pixel 22 Green (0-100%)	Pixel 22 Blue (0-100%)	Pixel 23 Red (0-100%)	Pixel 23 Green (0-100%)	Pixel 23 Blue (0-100%)	Pixel 24 Red (0-100%)

Value	CH71	CH72	CH73	CH74	CH75	CH76	CH77	CH78	CH79	CH80
000-255	Pixel 24 Green (0-100%)	Pixel 24 Blue (0-100%)	Pixel 25 Red (0-100%)	Pixel 25 Green (0-100%)	Pixel 25 Blue (0-100%)	Pixel 26 Red (0-100%)	Pixel 26 Green (0-100%)	Pixel 26 Blue (0-100%)	Pixel 27 Red (0-100%)	Pixel 27 Green (0-100%)

Value	CH81
000-255	Pixel 27 Blue (0-100%)

83 channel mode:

Value	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10
000-255	Master dimmer (0-100%)	Pixel 1 Red (0-100%)	Pixel 1 Green (0-100%)	Pixel 1 Blue (0-100%)	Pixel 2 Red (0-100%)	Pixel 2 Green (0-100%)	Pixel 2 Blue (0-100%)	Pixel 3 Red (0-100%)	Pixel 3 Green (0-100%)	Pixel 3 Blue (0-100%)

Value	CH11	CH12	CH13	CH14	CH15	CH16	CH17	CH18	CH19	CH20
000-255	Pixel 4 Red (0-100%)	Pixel 4 Green (0-100%)	Pixel 4 Blue (0-100%)	Pixel 5 Red (0-100%)	Pixel 5 Green (0-100%)	Pixel 5 Blue (0-100%)	Pixel 6 Red (0-100%)	Pixel 6 Green (0-100%)	Pixel 6 Blue (0-100%)	Pixel 7 Red (0-100%)

Value	CH21	CH22	CH23	CH24	CH25	CH26	CH27	CH28	CH29	CH30
000-255	Pixel 7 Green (0-100%)	Pixel 7 Blue (0-100%)	Pixel 8 Red (0-100%)	Pixel 8 Green (0-100%)	Pixel 8 Blue (0-100%)	Pixel 9 Red (0-100%)	Pixel 9 Green (0-100%)	Pixel 9 Blue (0-100%)	Pixel 10 Red (0-100%)	Pixel 10 Green (0-100%)

Value	CH31	CH32	CH33	CH34	CH35	CH36	CH37	CH38	CH39	CH40
000-255	Pixel 10 Blue (0-100%)	Pixel 11 Red (0-100%)	Pixel 11 Green (0-100%)	Pixel 11 Blue (0-100%)	Pixel 12 Red (0-100%)	Pixel 12 Green (0-100%)	Pixel 12 Blue (0-100%)	Pixel 13 Red (0-100%)	Pixel 13 Green (0-100%)	Pixel 13 Blue (0-100%)

Value	CH41	CH42	CH43	CH44	CH45	CH46	CH47	CH48	CH49	CH50
000-255	Pixel 14 Red (0-100%)	Pixel 14 Green (0-100%)	Pixel 14 Blue (0-100%)	Pixel 15 Red (0-100%)	Pixel 15 Green (0-100%)	Pixel 15 Blue (0-100%)	Pixel 16 Red (0-100%)	Pixel 16 Green (0-100%)	Pixel 16 Blue (0-100%)	Pixel 17 Red (0-100%)

Value	CH51	CH52	CH53	CH54	CH55	CH56	CH57	CH58	CH59	CH60
000-255	Pixel 17 Green (0-100%)	Pixel 17 Blue (0-100%)	Pixel 18 Red (0-100%)	Pixel 18 Green (0-100%)	Pixel 18 Blue (0-100%)	Pixel 19 Red (0-100%)	Pixel 19 Green (0-100%)	Pixel 19 Blue (0-100%)	Pixel 20 Red (0-100%)	Pixel 20 Green (0-100%)

Value	CH61	CH62	CH63	CH64	CH65	CH66	CH67	CH68	CH69	CH70
000-255	Pixel 20 Blue (0-100%)	Pixel 21 Red (0-100%)	Pixel 21 Green (0-100%)	Pixel 21 Blue (0-100%)	Pixel 22 Red (0-100%)	Pixel 22 Green (0-100%)	Pixel 22 Blue (0-100%)	Pixel 23 Red (0-100%)	Pixel 23 Green (0-100%)	Pixel 23 Blue (0-100%)

Value	CH71	CH72	CH73	CH74	CH75	CH76	CH77	CH78	CH79	CH80
000-255	Pixel 24 Red (0-100%)	Pixel 24 Green (0-100%)	Pixel 24 Blue (0-100%)	Pixel 25 Red (0-100%)	Pixel 25 Green (0-100%)	Pixel 25 Blue (0-100%)	Pixel 26 Red (0-100%)	Pixel 26 Green (0-100%)	Pixel 26 Blue (0-100%)	Pixel 27 Red (0-100%)

Value	CH81	CH82	Value	CH83
000-255	Pixel 27 Green (0-100%)	Pixel 27 Blue (0-100%)	000-010	No function
			010-255	Strobe (slow-fast)

98 channel mode:

Channel	Value	Function
1	000-255	Master dimmer (0-100%)
2	000-255	Red dimmer (0-100%)
3	000-255	Green dimmer (0-100%)
4	000-255	Blue dimmer (0-100%)
5	000-255	Red segment 1 dimmer (0-100%)
6	000-255	Green segment 1 dimmer (0-100%)
7	000-255	Blue segment 1 dimmer (0-100%)
8	000-255	Red segment 2 dimmer (0-100%)
9	000-255	Green segment 2 dimmer (0-100%)
10	000-255	Blue segment 2 dimmer (0-100%)
11	000-255	Red segment 3 dimmer (0-100%)
12	000-255	Green segment 3 dimmer (0-100%)
13	000-255	Blue segment 3 dimmer (0-100%)
14	000-255	Pixel 1 Red (0-100%)
15	000-255	Pixel 1 Green (0-100%)
16	000-255	Pixel 1 Blue (0-100%)
17	000-255	Pixel 2 Red (0-100%)
18	000-255	Pixel 2 Green (0-100%)
19	000-255	Pixel 2 Blue (0-100%)
20	000-255	Pixel 3 Red (0-100%)
21	000-255	Pixel 3 Green (0-100%)
22	000-255	Pixel 3 Blue (0-100%)
23	000-255	Pixel 4 Red (0-100%)
24	000-255	Pixel 4 Green (0-100%)
25	000-255	Pixel 4 Blue (0-100%)
26	000-255	Pixel 5 Red (0-100%)
27	000-255	Pixel 5 Green (0-100%)
28	000-255	Pixel 5 Blue (0-100%)
29	000-255	Pixel 6 Red (0-100%)
30	000-255	Pixel 6 Green (0-100%)
31	000-255	Pixel 6 Blue (0-100%)
32	000-255	Pixel 7 Red (0-100%)
33	000-255	Pixel 7 Green (0-100%)
34	000-255	Pixel 7 Blue (0-100%)
35	000-255	Pixel 8 Red (0-100%)
36	000-255	Pixel 8 Green (0-100%)
37	000-255	Pixel 8 Blue (0-100%)
38	000-255	Pixel 9 Red (0-100%)
39	000-255	Pixel 9 Green (0-100%)
40	000-255	Pixel 9 Blue (0-100%)

Channel	Value	Function
41	000-255	Pixel 10 Red (0-100%)
42	000-255	Pixel 10 Green (0-100%)
43	000-255	Pixel 10 Blue (0-100%)
44	000-255	Pixel 11 Red (0-100%)
45	000-255	Pixel 11 Green (0-100%)
46	000-255	Pixel 11 Blue (0-100%)
47	000-255	Pixel 12 Red (0-100%)
48	000-255	Pixel 12 Green (0-100%)
49	000-255	Pixel 12 Blue (0-100%)
50	000-255	Pixel 13 Red (0-100%)
51	000-255	Pixel 13 Green (0-100%)
52	000-255	Pixel 13 Blue (0-100%)
53	000-255	Pixel 14 Red (0-100%)
54	000-255	Pixel 14 Green (0-100%)
55	000-255	Pixel 14 Blue (0-100%)
56	000-255	Pixel 15 Red (0-100%)
57	000-255	Pixel 15 Green (0-100%)
58	000-255	Pixel 15 Blue (0-100%)
59	000-255	Pixel 16 Red (0-100%)
60	000-255	Pixel 16 Green (0-100%)
61	000-255	Pixel 16 Blue (0-100%)
62	000-255	Pixel 17 Red (0-100%)
63	000-255	Pixel 17 Green (0-100%)
64	000-255	Pixel 17 Blue (0-100%)
65	000-255	Pixel 18 Red (0-100%)
66	000-255	Pixel 18 Green (0-100%)
67	000-255	Pixel 18 Blue (0-100%)
68	000-255	Pixel 19 Red (0-100%)
69	000-255	Pixel 19 Green (0-100%)
70	000-255	Pixel 19 Blue (0-100%)
71	000-255	Pixel 20 Red (0-100%)
72	000-255	Pixel 20 Green (0-100%)
73	000-255	Pixel 20 Blue (0-100%)
74	000-255	Pixel 21 Red (0-100%)
75	000-255	Pixel 21 Green (0-100%)
76	000-255	Pixel 21 Blue (0-100%)
77	000-255	Pixel 22 Red (0-100%)
78	000-255	Pixel 22 Green (0-100%)
79	000-255	Pixel 22 Blue (0-100%)

98 channel mode cont.:

Channel	Value	Function
80	000-255	Pixel 23 Red (0-100%)
81	000-255	Pixel 23 Green (0-100%)
82	000-255	Pixel 23 Blue (0-100%)
83	000-255	Pixel 24 Red (0-100%)
84	000-255	Pixel 24 Green (0-100%)
85	000-255	Pixel 24 Blue (0-100%)
86	000-255	Pixel 25 Red (0-100%)
87	000-255	Pixel 25 Green (0-100%)
88	000-255	Pixel 25 Blue (0-100%)
89	000-255	Pixel 26 Red (0-100%)

90	000-255	Pixel 26 Green (0-100%)
91	000-255	Pixel 26 Blue (0-100%)
92	000-255	Pixel 27 Red (0-100%)
93	000-255	Pixel 27 Green (0-100%)
94	000-255	Pixel 27 Blue (0-100%)
95	000-255	Static patterns (see chart below)
96	000-255	Programs (see chart below)
97	000-255	Speed/sound sens (slow-fast/low-high)
98	000-010	No function
	011-255	Strobe (slow-fast)

Static patterns

Value	Function
000-005	No function
006-010	Static pattern 1
011-015	Static pattern 2
016-020	Static pattern 3
021-025	Static pattern 4
026-030	Static pattern 5
031-035	Static pattern 6
036-040	Static pattern 7
041-045	Static pattern 8
046-050	Static pattern 9
051-055	Static pattern 10
056-060	Static pattern 11
061-065	Static pattern 12
066-070	Static pattern 13
071-075	Static pattern 14
076-080	Static pattern 15

081-085	Static pattern 16
086-090	Static pattern 17
091-095	Static pattern 18
096-100	Static pattern 19
101-105	Static pattern 20
106-110	Static pattern 21
111-115	Static pattern 22
116-120	Static pattern 23
121-125	Static pattern 24
126-130	Static pattern 25
131-135	Static pattern 26
136-140	Static pattern 27
141-145	Static pattern 28
146-150	Static pattern 29
151-155	Static pattern 30
156-160	Static pattern 31
161-165	Static pattern 32

166-170	Static pattern 33
171-175	Static pattern 34
176-180	Static pattern 35
181-185	Static pattern 36
186-190	Static pattern 37
191-195	Static pattern 38
196-200	Static pattern 39
201-205	Static pattern 40
206-210	Static pattern 41
211-215	Static pattern 42
216-220	Static pattern 43
221-225	Static pattern 44
226-230	Static pattern 45
231-235	Static pattern 46
236-240	Static pattern 47
241-245	Static pattern 48
246-250	Static pattern 49
251-255	Static pattern 50

Programs

Value	Function
000-015	No function
016-023	Program 2 (Fade 1)
024-031	Program 3 (Fade 2)
032-039	Program 4 (Fade 3)
040-047	Program 5 (Fade 4)
048-055	Program 6 (Change 1)
056-063	Program 7 (Change 2)
064-071	Program 8 (Change 3)
072-079	Program 9 (Change 4)

080-087	Program 10 (Change 5)
088-095	Program 11 (Change 6)
096-103	Program 12 (Change 7)
104-111	Program 13 (Change 8)
112-119	Program 14 (Change 9)
120-127	Program 15 (Change 10)
128-135	Program 16 (Change 11)
136-143	Program 17 (Change 12)
144-151	Program 18 (Change 13)
152-159	Program 19 (Change 14)

160-167	Program 20 (Change 15)
168-175	Program 21 (Change 16)
176-183	Program 22 (Change 17)
184-191	Program 23 (Change 18)
192-199	Program 24 (Change 19)
200-207	Program 25 (Change 20)
208-215	Program 26 (Change 21)
216-223	Program 27 (Change 22)
224-231	Program 28 (Change 23)
232-255	Sound active

Auto mode:

To access the auto mode, press the “MENU” button and use the “UP” and “DOWN” buttons on the rear of the unit to show *AUTO* on the LED display. Press the “ENTER” button to confirm the setting. The unit will now run through all the built-in programs.

To exit out of any of the above options, press the “MENU” button.

Built-in program mode:

To access the built-in program mode press “MENU” until the display shows *Pr* on the LED display. Press the “ENTER” button and use the “UP” and “DOWN” buttons to select a program from *Pr.01 ~ Pr.28*. To change the speed of programs *Pr.02 ~ Pr.28* press the “ENTER” button and then use the “UP” and “DOWN” buttons to select any value from *SP.01 ~ SP.FL*. Press the “ENTER” button to confirm the setting, then use the “UP” and “DOWN” buttons to select the flash speed value from *FL.00 ~ FL.99*. Press the “ENTER” button to confirm the setting. In *Pr.01* you are able to set a specific static pattern. When in *Pr.01* press the “ENTER” button and then use the “UP” and “DOWN” buttons to go through the static patterns. Press the “ENTER” button to confirm the setting, then use the “UP” and “DOWN” buttons to select the flash speed value from *FL.00 ~ FL.99*. Press the “ENTER” button to confirm the setting. To exit out of any of the above options, press the “MENU” button.

Master/slave mode:

To set the master unit, press the “MENU” button on the rear of the master unit then select your desired program (sound active, auto, static pattern or one of the built-in programs). To set the other units in slave mode, press the “MENU” button on the rear of the unit to show *SLAVE* on the LED display and press the “ENTER” button to confirm the setting. The units will now run in sequence with the master unit. If you would require fully synchronised patterns/colours please ensure the ‘DMX sync setting’ (page 13) is set to - - *On*. To exit out of any of the above options, press the “MENU” button.

Please ensure that all slave units are set to the same DMX channel mode as the master unit.

Colour mix mode:

To access the colour mix mode press “MENU” button until *Color* shows on the LED display. Now press the “ENTER” button and use the “UP” and “DOWN” buttons to select the brightness of segment one red between *r 1.00 ~ r 1.FL*. Press the “ENTER” button and repeat for segment one green (*g 1*), segment one blue (*b 1*), segment two red (*r 2*), segment two green (*g 2*), segment two blue (*b 2*), segment three red (*r 3*), segment three green (*g 3*) and segment three blue (*b 3*).

Value: 00 - FL (00 = low brightness, FL = high brightness)

To exit out of any of the above options, press the “MENU” button.

Sound mode:

To access the sound mode, press the “MENU” button and use the “UP” and “DOWN” buttons on the rear of the unit to show *Sound* on the LED display. To adjust the sensitivity, press the “ENTER” button and then use the “UP” and “DOWN” buttons to select any value from *SU.00 ~ SU.31*. Press the “ENTER” button to confirm the setting. To exit out of any of the above options, press the “MENU” button.

Dimming curve selection:

To access the dimming curve setting, press the “MENU” button and use the “UP” and “DOWN” buttons on the rear of the unit to show *SEt* on the LED display. Press the “ENTER” button and then use the “UP” and “DOWN” buttons to select *Cur*. Press the “ENTER” button and then use the “UP” and “DOWN” buttons to select the required dimming curve from *CU-1* ~ *CU-4*. Press the “ENTER” button to confirm the setting.

To exit out of any of the above options, press the “MENU” button.

CU-1 - Linear *CU-2* - Square Law *CU-3* - Inverse Square Law *CU-4* - S-curve

DMX signal failure:

To access the DMX signal failure setting, press the “MENU” button and use the “UP” and “DOWN” buttons on the rear of the unit to show *SEt* on the LED display. Press the “ENTER” button and then use the “UP” and “DOWN” buttons to select *FAIL*. Press the “ENTER” button and then use the “UP” and “DOWN” buttons to select either *-OFF* (blackout) ~ *Hold* (hold DMX signal). Press the “ENTER” button to confirm the setting.

To exit out of any of the above options, press the “MENU” button.

DMX sync setting:

To access the DMX sync setting, press the “MENU” button and use the “UP” and “DOWN” buttons on the rear of the unit to show *SEt* on the LED display. Press the “ENTER” button and then use the “UP” and “DOWN” buttons to select *Sync*. Press the “ENTER” button and then use the “UP” and “DOWN” buttons to select either *-On* (fully synchronised patterns/colours) ~ *-OFF* (patterns/colours run unsynchronised). Press the “ENTER” button to confirm the setting. To exit out of any of the above options, press the “MENU” button.

Reset factory settings:

To access the DMX sync setting, press the “MENU” button and use the “UP” and “DOWN” buttons on the rear of the unit to show *SEt* on the LED display. Press the “ENTER” button and then use the “UP” and “DOWN” buttons to select *-rSt*. Press the “ENTER” button and then use the “UP” and “DOWN” buttons to select either *-NO* or *-YES*. Press the “ENTER” button to confirm the setting.

To exit out of any of the above options, press the “MENU” button.

Software version:

To access the software version, press the “MENU” button and use the “UP” and “DOWN” buttons on the rear of the unit to show *Info* on the LED display. Press the “ENTER” button and then use the “UP” and “DOWN” buttons to select *ver*. Press the “ENTER” button and the software version will be displayed.

To exit out of any of the above options, press the “MENU” button.

Setting the DMX address:

The DMX mode enables the use of a universal DMX controller. Each fixture requires a “start address” from 1- 511. A fixture requiring one or more channels for control begins to read the data on the channel indicated by the start address. For example, a fixture that occupies or uses 7 channels of DMX and was addressed to start on DMX channel 100, would read data from channels: 100,101,102,103,104,105 and 106. Choose a start address so that the channels used do not overlap. E.g. the next unit in the chain starts at 107.

DMX 512:

DMX (Digital Multiplex) is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA “IN” and DATA “OUT” XLR terminals located on all DMX fixtures (most controllers only have a data “out” terminal).

DMX linking:

DMX is a language allowing all makes and models of different manufactures to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest cable path possible. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example; a fixture assigned to a DMX address of 1 may be placed anywhere in a DMX line, at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

DATA cable (DMX cable) requirements (for DMX operation):

This fixture can be controlled via DMX-512 protocol. The DMX address is set on the back of the unit. Your unit and your DMX controller require a standard 3-pin XLR connector for data input/output, see image below.



Further DMX cables can be purchased from all good sound and lighting suppliers or Pro Light Concepts dealers.

Please quote:

CABL10 – 2m

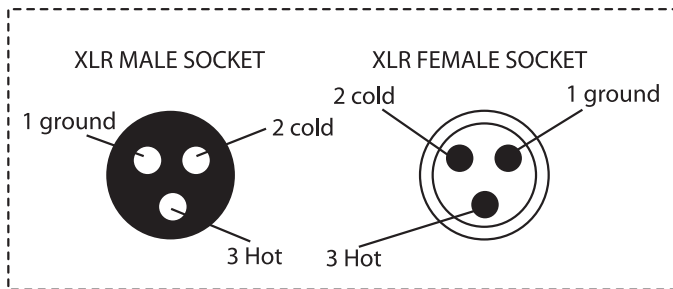
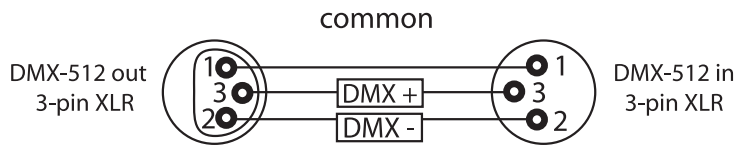
CABL11 – 5m

CABL12 – 10m

Note: DMX cable must be daisy chained and cannot be split.

Notice:

Be sure to follow the diagrams below when making your own cables. Do not connect the cables shield conductor to the ground lug or allow the shield conductor to come in contact with the XLRs outer casing. Grounding the shield could cause a short circuit and erratic behaviour.



XLR Pin Configuration
Pin 1 = Ground
Pin 2 = Negative
Pin 3 = Positive

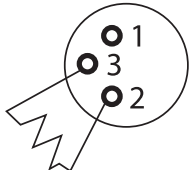
Special note:

Line termination:

When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behaviour.

Using a cable terminator will decrease the possibilities of erratic behaviour.

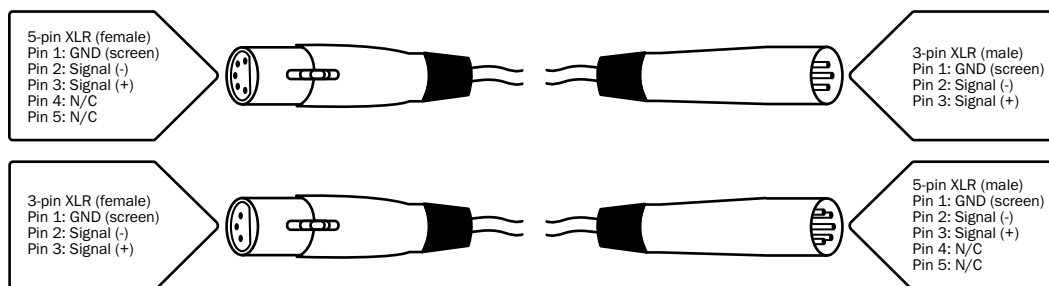
(3-pin - Order ref: CABL90, 5-pin - Order ref: CABL89)



Termination reduces signal transmission problems and interference. It is always advisable to connect a DMX terminal, (resistance 120 Ohm 1/4 W) between pin 2 (DMX-) and pin 3 (DMX+) of the last fixture.

5-pin XLR DMX connectors:

Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The diagram below details the correct cable conversion.





Correct Disposal of this Product (Waste Electrical & Electronic Equipment)

**(Applicable in the European Union and other European countries
with separate collection systems)**

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

