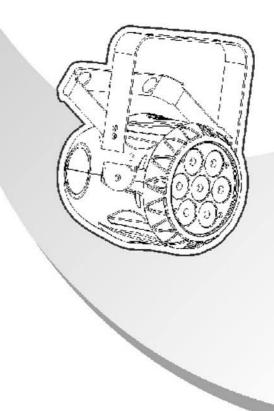


No	ITEM		
1	Plastic cover	1	
2	dustproof glass		
3	Lens wheel	1	
4	Led board		
5	Cooling		
6	Fans		
7	Plastic side cover		
8	Side board		
9	DMX board		
10	Display support		
11	Holder		
12	LCD plastic cover		
13	Fuse socket		
14	Main board		
15	Driver board		
16	Power board		
17	Switch		

TourSpot 21 CM

- Manual -



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5.1 TROUBLE SHOOTING

LED MODULE

SITUATION	CAUSE	ACTION	PART ORDER NUMBER
	1) Power connection error	1) Check all power connections	
	2) Power switch damaged	2) Replace power switch	16-03-0030-04
No display	3) Display board damaged	3) Replace display board	26-2A-LED307DI-00
	4) Fuse damaged	4)Replace the Fuse	
LED MODULE on,	1) Keyboard damaged	1) Replace keyboard	26-2A-LED307DI-00
but no control from display	2) Display board damaged	2) Replace display board	26-2A-LED307DI-00
LEDs of the same color are not lit	LED PCB damaged	Check and Replace PCB board	26-2A-307LED-00
LED module on,	1) MAIN PCB damaged	1) Replace main PCBboard	26-2A-LED307DI-00
LEDs of all colors are not lit	2) LED PCB damaged	2) Replace PCB board	26-2A-307LED-00
	1) Signal connection error	1) Check and replace signal cable	
Display normal, but no response to DMX 512 controller	2) DMX Addresserror	2) Check and reset DMX address	
	3) Master & slavemode error	3) Check and reset the working mode	
	4) ID error	4) Check and reset ID address	

4.3 BASIC INSTRUCTIONS FOR DMX512 OPERATION (STAGE 1)

MASTER DIMMER

- CH1 controls the intensity of the currently projected color
- When the slider is at the highest position (255) the intensity of the output is the maximum

RED, GREEN & BLUE COLOR SELECTION

• CH2, CH3 & CH4 control the intensity ratio of each of the RED, GREEN & BLUE LEDs.

• When the slider is at the highest position (255) the intensity of the color is the maximum.

• CH2, CH3 & CH4 can be combined together to create over 16 million colors.

COLOR MACROS

- CH5 selects the required COLOR MACRO
- CH5 has priority over CH2, CH3, CH4 and CH6
- CH1 is used to control the intensity of the COLOR MACRO

STROBE

CH 6 controls the strobe of CH1 to Ch5

ID ADDRESS SELECTION

- CH9 is used to select the target ID address.
- Each independent DMX address may have upto 66 independent ID addresses.
- An ID address of 0 will activate all ID address locations.

AUTO

 CH7 selects the preset AUTO programs AT.01-AT10 or the custom AUTO programs PR.C1-PR.10

• When activating the custom AUTO programs PR.C1 to PR.10 then it is possible to control the

Step time and fade time using Ch2 and Ch3 respectively.

1 PRODUCT (GENERAL) 1.1 **PRODUCT INTRODUCTION**

This product is designed for indoor use. Suitable applications include wash or effect lighting for architectural, stage or nightclub applications. This product can also be installed for use in signage and advertising using the dynamic functions available with DMX512 control. Directinput of DMX512 signal allows the units to be controlled from any DMX512 controller. This product can be operated as a single unit or in multiple units for large applications.

The specially developed controller that allows the product to be controlled independent of the DMX512 controller enables the user to create and edit a wide range of custom programs. All programs can be touch-button displayed or scheduled to START and END at scheduled times. When programs have been created or edited in the controller, it is also possible to trigger these programs using the DMX IN function when connected to a DMX512 controller.

1.2 PRODUCT FEATURES

LED FIXTURE

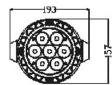
- * RGB Dimmer 0-100%
- * Strobe
- * Automatic programs
- * LCD display
- * Display control 'lock-out'
- * Direct DMX512 input
- * Independant ID address
- * Stand-alone/ Slave

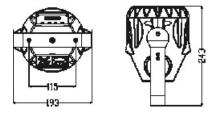
1

1.3 TECHNICAL SPECIFICATIONS

LED MODULE

LED MODULE:	L
Voltage	100~240V50/60Hz
Rated Power	35W
LED/Unit	7 X 3WTri-RGB
Environment Temperature	-20°C~40°C
Cooling	Forced air convection
Dimensions	240 x 210 x160mm
Weight	2.5Kg





CHANNEL	VALUE	FUNCTION
	200⇔⇒209	ID20
	210	ID21
	211	ID22
9	6 6 6 6	
	253	ID64
	254	ID65
	255	ID66

ARC 1			
	CHANNEL	VALUE	FUNCTION
	1	0⇔255	RED
	2	0⇔255	GREEN
	3	0⇔255	BLUE

ARC 1+D

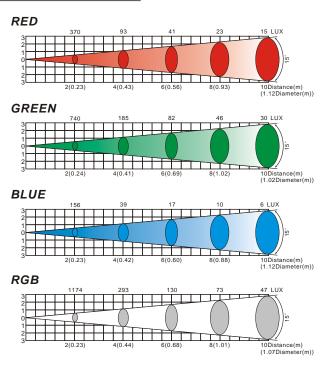
CHANNEL	VALUE	FUNCTION
1	0≪⇒255	MASTER DIMMER
2	0⇔255	RED
3	0⇔255	GREEN
4	0⇔255	BLUE

AUTO 0 ⇔20 No function 21⇔30 AUTO 1 31⇔40 AUTO 2 41⇔50 AUTO 3 51⇔60 AUTO 4 61⇔70 AUTO 5 71⇔80 AUTO 7 91⇔100 AUTO 8 101⇔110 AUTO 9 111⇔120 AUTO 10 121⇔130 CUSTOM 1 131⇔140 CUSTOM 1 131⇔140 CUSTOM 3 151⇔160 CUSTOM 3 151⇔160 CUSTOM 4 161⇔170 CUSTOM 5 171⇔200 CUSTOM 7 191⇔200 CUSTOM 7 191⇔200 CUSTOM 7 191⇔200 CUSTOM 9 211⇔220 CUSTOM 9 211⇔220 CUSTOM 10 221⇔225 No function 8 AUTO SPEED ADJUSTMENT 0 ⇔255 When using CH7.AUTO1-AUTO9, this function activated 10 ADDRESS 0<<>>9 101→20 D2 30 ⇔39 ID3 40⇔49 <th>CHANNEL</th> <th>VALUE</th> <th>FUNCTION</th>	CHANNEL	VALUE	FUNCTION
21⇔30 AUTO 1 31⇔40 AUTO 2 41⇔50 AUTO 3 51⇔60 AUTO 4 61⇔70 AUTO 6 81⇔90 AUTO 7 91⇔100 AUTO 8 101⇔110 AUTO 9 111⇔120 AUTO 10 121⇔130 CUSTOM 1 131⇔140 CUSTOM 1 131⇔140 CUSTOM 3 151⇔160 CUSTOM 3 151⇔160 CUSTOM 4 161⇔170 CUSTOM 5 171⇔80 CUSTOM 7 191⇔200 CUSTOM 8 201⇔210 CUSTOM 9 211⇔220 CUSTOM 9 211⇔220 CUSTOM 10 221⇔255 No function 8 0⇔255 0⇔255 When using CH7.AUTO01-AUTO9, this function activated 10⇒0⇒19 101 20<⊕259 102 30<⊕39 103 40⇔49 104 50⇔59 105 60⇔0 106 70⇔79 1			AUTO
31 AUTO 2 41 AUTO 3 51 AUTO 4 61 AUTO 5 71 AUTO 6 81 AUTO 7 91 AUTO 8 101 AUTO 9 111 AUTO 10 121 AUTO 5 111 CUSTOM 1 131 CUSTOM 5 171 AUTO 5 171 AUTO 5 171 AUTO 5 171 CUSTOM 6 181 AUTO 5 201 CUSTOM 10 221 S 0<<255 No functi		0≪⇒20	No function
41⇔50 AUTO 3 51⇔60 AUTO 4 61⇔70 AUTO 5 71⇔80 AUTO 7 91⇔100 AUTO 8 101⇔110 AUTO 9 111⇔120 AUTO 10 121⇔130 CUSTOM 1 131⇔140 CUSTOM 2 141⇔150 CUSTOM 3 151⇔160 CUSTOM 4 161⇔170 CUSTOM 5 171⇔180 CUSTOM 5 171⇔20 CUSTOM 6 181⇔390 CUSTOM 6 181⇔200 CUSTOM 8 201⇔210 CUSTOM 9 211⇔220 CUSTOM 9 211⇔220 CUSTOM 9 211⇔220 CUSTOM 9 211⇔220 CUSTOM 10 221⇔255 No function 8 AUTO SPEED ADJUSTMENT 0⇔255 When using CH7.AUTO01-AUTO9, this function activated 10 ADDRESS 0⇔39 0⇔39 ID1 20⇔29 ID2 30⇔39 ID3 40⇔49 ID4		21≪⇒30	AUTO 1
51⇔60 AUTO 4 61⇔70 AUTO 5 71⇔80 AUTO 7 91⇔100 AUTO 8 101⇔110 AUTO 9 111⇔120 AUTO 10 121⇔130 CUSTOM 1 131⇔140 CUSTOM 2 141⇔150 CUSTOM 3 151⇔160 CUSTOM 4 161⇔170 CUSTOM 6 181⇔190 CUSTOM 6 181⇔190 CUSTOM 7 191⇔200 CUSTOM 7 191⇔200 CUSTOM 9 211⇔210 CUSTOM 9 211⇔220 CUSTOM 10 221⇔225 No function 8 AUTO SPEED ADJUSTMENT 0⇔2255 When using CH7,AUTO01-AUTO9, this function activated 10⇔20 CUSTOM 10 221⇔225 NO function 8 0⇔2255 0⇔39 ID1-ID66 10⇔39 ID2 30⇔39 ID3 40⇔49 ID4 50⇔59 ID5 60⇔489 ID8 <td< th=""><th></th><td>31≪⇒40</td><td>AUTO 2</td></td<>		31≪⇒40	AUTO 2
61⇔70 AUTO 5 71⇔80 AUTO 7 91⇔100 AUTO 8 101⇔110 AUTO 9 111⇔120 AUTO 10 121⇔130 CUSTOM 1 131⇔140 CUSTOM 2 141⇔150 CUSTOM 3 151⇔160 CUSTOM 4 161⇔170 CUSTOM 5 171⇔180 CUSTOM 6 181⇔190 CUSTOM 7 191⇔200 CUSTOM 8 201⇔210 CUSTOM 8 201⇔210 CUSTOM 10 221⇔225 No function 8 AUTO SPEED ADJUSTMENT 0⇔2255 When using CH7,AUTO01-AUTO9, this function activated 10 ADDRESS 0⇔9 0⇔2425 When using CH7,AUTO01-AUTO9, this function activated 10 ADDRESS 0⇔9 0⇔2429 ID2 30⇔39 ID3 40⇔49 ID4 50⇔59 ID5 60⇔49 ID6 70⇔79 ID7 80⇔89 ID8 90⇔99 ID9		41≪⇒50	AUTO 3
71⇔80 AUTO 6 81⇔90 AUTO 7 91⇔100 AUTO 8 101⇔110 AUTO 9 111⇔120 AUTO 10 121⇔130 CUSTOM 1 131⇔140 CUSTOM 2 141⇔150 CUSTOM 3 151⇔160 CUSTOM 4 161⇔170 CUSTOM 5 171⇔80 CUSTOM 6 181⇔190 CUSTOM 7 191⇔200 CUSTOM 7 191⇔200 CUSTOM 8 201⇔210 CUSTOM 9 211⇔220 CUSTOM 10 221⇔225 No function 8 AUTO SPEED ADJUSTMENT 0⇔255 When using CH7,AUTO01-AUTO9, this function activated 10⇔405 ID 20⇔29 ID2 30⇔39 ID3 40⇔49 ID4 50⇔59 ID5 60⇔59 ID5 60⇔49 ID4 50⇔59 ID5 60⇔49 ID4 50⇔59 ID5 60⇔59 I		51≪⇒60	AUTO 4
81↔90 AUTO 7 91⇔100 AUTO 8 101↔110 AUTO 9 111↔120 AUTO 10 121⇔130 CUSTOM 1 131⇔140 CUSTOM 2 141⇔150 CUSTOM 3 151⇔160 CUSTOM 4 161⇔170 CUSTOM 6 181⇔190 CUSTOM 7 191⇔200 CUSTOM 8 201⇔210 CUSTOM 9 211⇔220 CUSTOM 10 221⇔225 No function 8 0⇔2255 0⇔2255 When using CH7, AUTO01-AUTO9, this function activated 10 ADDRESS 0⇔39 0⇔225 ID1-ID66 10⇔19 ID1 20⇔29 ID2 30⇔39 ID3 40⇔49 ID4 50⇔59 ID5 60⇔68 ID6 70⇔79 ID7 80⇔88 ID8 90⇔39 ID9 100⇔109 ID10 110⇔119 ID11 120⇔129 ID12		61≪⇒70	AUTO 5
91⇔100 AUTO 8 101⇔110 AUTO 9 111⇔120 AUTO 10 121⇔130 CUSTOM 1 131⇔140 CUSTOM 2 141⇔150 CUSTOM 3 151⇔160 CUSTOM 4 161⇔170 CUSTOM 5 171⇔180 CUSTOM 7 191⇔200 CUSTOM 8 201⇔210 CUSTOM 9 211⇔225 No function 8 AUTO SPEED ADJUSTMENT 0⇔2255 When using CH7,AUTO01-AUTO9, this function activated 10 ADDRESS 0⇔245 0⇔225 ID1-ID66 10⇔19 ID1 20⇔29 ID2 30⇔39 ID3 40⇔49 ID4 50⇔59 ID5 60⇔68 ID6 70⇔79 ID7 8 90⇔39 90⇔39 ID3 100⇔119 ID11 120⇔129 ID12 130⇔139 ID13 140⇔419 ID14 150⇔139 ID1		71≪⇒80	AUTO 6
101 AUTO 9 111 AUTO 10 121 AUTO 10 121 AUTO 10 121 AUTO 10 131 CUSTOM 1 131 CUSTOM 3 151 CUSTOM 4 161 CUSTOM 5 171 CUSTOM 6 181 CUSTOM 7 191 CUSTOM 8 201 CUSTOM 9 211 CUSTOM 10 221 CUSTOM 10 20 CUSTOM 10 20 CUSTOM 10 20 CUSTOM 10 21 CUSTOM 2 10 ADDRESS 0 CH 25 0 D10 10 A0 100 D10		81≪⇒90	AUTO 7
7 111⇔120 AUTO 10 121⇔130 CUSTOM 1 131⇔140 CUSTOM 2 141⇔150 CUSTOM 3 151⇔160 CUSTOM 4 161⇔170 CUSTOM 6 181⇔190 CUSTOM 7 191⇔200 CUSTOM 8 201⇔210 CUSTOM 9 211⇔220 CUSTOM 10 221⇔225 No function 8 0⇔255 0⇔255 When using CH7,AUTO01-AUTO9, this function activated 10 ADDRESS 0⇔39 102 102 30⇔39 ID3 40⇔49 ID4 50⇔59 ID5 60⇔689 ID6 70⇔79 ID7 8 90⇔99 9 80⇔88 90⇔39 ID1 110⇔119 ID11 120⇔129 ID12 130⇔139 ID13 140⇔149 ID14 150⇔139 ID13 140⇔149 ID14 150⇔159 ID15 160⇔169 ID16 170⇔179		91<⇔100	AUTO 8
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1314⇒140 CUSTOM 2 1414⇒150 CUSTOM 3 1514⇒160 CUSTOM 4 1614⇒170 CUSTOM 5 1714⇒180 CUSTOM 6 1814⇒190 CUSTOM 7 1914⇒200 CUSTOM 8 2014⇒210 CUSTOM 9 2114⇒220 CUSTOM 10 2214⇒225 No function 8 0<⇒255 0 4⇒255 When using CH7,AUTO01-AUTO9, this function activated 10 ADDRESS 0 4⇒9 0 4⇒255 ID2 30 40 40 40 ID4 50 4⇒59 ID5 60 60 4⇒69 ID6 70 4⇒79 ID7 8 90 40 99 9 80 80 80 80 90 90 100 110 <br< th=""><th>7</th><td>111<⇔⇒120</td><td>AUTO 10</td></br<>	7	111<⇔⇒120	AUTO 10
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151⇔160 CUSTOM 4 161⇔170 CUSTOM 5 171⇔180 CUSTOM 6 181⇔190 CUSTOM 7 191⇔200 CUSTOM 8 201⇔210 CUSTOM 9 211⇔220 CUSTOM 10 221⇔225 No function 8 AUTO SPEED ADJUSTMENT 0<⇔255 When using CH7,AUTO01-AUTO9, this function activated 10 ADDRESS 0<⇔9 10.4→19 ID1 20.4⇒29 ID2 30<⇔39 ID3 40<⇔49 ID4 50<⇔59 ID5 60<⇔69 ID6 70<⇔79 ID7 8 90<⇔99 9 80<⇔88 90<⇔99 ID1 110<⇔119 ID11 120<⇔129 ID12 130<⇔139 ID13 140<⇔149 ID14 150< 160 160<⇒159 ID15 160<⇔169 ID16 170<⇔179 ID17		131⇐⇒140	CUSTOM 2
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171(⇒)180 CUSTOM 6 181(⇒)190 CUSTOM 7 191(⇒)200 CUSTOM 8 201(⇒)210 CUSTOM 9 211(⇒)220 CUSTOM 10 221(⇒)255 No function 8 0(⇒)255 0(⇒)255 When using CH7, AUTO01-AUTO9, this function activated 10 ADDRESS 0(⇒)29 10(⇒)19 D1 20(⇒)29 ID2 30(⇒)39 ID3 40(⇒)49 ID4 50(⇒)59 ID5 60(⇒)69 ID6 70(⇒)79 ID7 8 90(⇒)99 90(⇒)99 ID9 100(⇒)109 ID10 110(⇒)119 ID11 120(⇒)129 ID12 130(⇒)139 ID13 140(⇒)149 ID14 150(⇒)15 I60(⇒)16 170(⇒)19 ID16		151⇐⇒160	CUSTOM 4
181<+>190 CUSTOM 7 191<+>200 CUSTOM 8 201<+>210 CUSTOM 9 211<+>220 CUSTOM 10 221<+>255 No function 8 0<+>255 0<+>255 When using CH7,AUTO01-AUTO9, this function activated 10 AUTO SPEED ADJUSTMENT 0<+>255 When using CH7,AUTO01-AUTO9, this function activated 10 ADDRESS 0<+>29 ID1 20<+>29 ID2 30<+>39 ID3 40<+>49 ID4 50<+>59 ID5 60<+>69 ID6 70<+>79 ID7 8 90<+>99 90 ID10 110<+>119 ID11 120<+>129 ID12 130<+>139 ID13 140<+>149 ID14 150<+>159 ID15 160<+>169 ID16 170<+>79 ID16		161⇐⇒170	CUSTOM 5
191<		171⇐⇒180	CUSTOM 6
201 CUSTOM 9 211 CUSTOM 10 221 CUSTOM 10 21 CUSTOM 10 0 CUSTOM 10 10 CUSTOM 10 10 D 20 CUSTOM 10 20 CUSTOM 10 20 CUSTOM 10 20 CUSTOM 10 104 50 50 CUSTOM 10 50 CUSTOM 10 104 S0 90 S0 90 D10 110 D10 110 D10 110 <th></th> <td>181≪⇒190</td> <td>CUSTOM 7</td>		181≪⇒190	CUSTOM 7
211⇔220 CUSTOM 10 221⇔255 No function AUTO SPEED AJJUSTMENT 0⇔255 When using CH7,AUTO01-AUTO9, this function activated ID ADDRESS 0⇔9 ID1-ID66 10⇔29 ID2 30⇔39 ID3 40⇔49 ID4 50⇔59 ID5 60⇔69 ID6 70⇔79 ID7 8 90⇔99 90⇔99 ID9 100⇔109 ID10 110⇔119 ID11 120⇔129 ID12 130⇔139 ID13 140⇔149 ID14 150⇔159 ID15 160⇔169 ID16 170⇔159 ID15 160⇔169 ID16 170⇔179 ID16		191≪⇒200	CUSTOM 8
221⇔255 No function AUTO SPEED ADJUSTMENT 0⇔255 When using CH7,AUTO01-AUTO9, this function activated ID ADDRESS ID ADDRESS 0⇔29 ID1-ID66 10⇔29 ID2 30⇔39 ID3 40⇔49 ID4 50⇔59 ID5 60⇔69 ID6 70⇔79 ID7 80⇔89 ID8 90⇔99 ID9 100⇔109 ID10 110⇔119 ID11 120⇔129 ID12 130⇔139 ID13 140⇔149 ID14 150⇔159 ID15 160⇔169 ID16 170⇔159 ID15 160⇔169 ID16 170⇔179 ID16		201≪⇒210	CUSTOM 9
8 AUTO SPEED AJJUSTMENT 0 ⇔ 255 0 ⇔ 255 When using CH7,AUTO01-AUTO9, this function activated ID ADDRESS 0 ⇔ 9 0 ⇔ 9 ID1-ID66 10 ⇔ 19 ID1 20 ⇔ 29 ID2 30 ⇔ 39 ID3 40 ⇔ 49 ID4 50 ⇔ 59 ID5 60 ⇔ 69 ID6 70 ⇔ 79 ID7 80 ⇔ 89 ID8 90 ⇔ 99 ID9 100 ⇔ 109 ID10 110 ⇔ 119 ID11 120 ⇔ 129 ID12 130 ⇔ 139 ID13 140 ⇔ 149 ID14 150 ⇔ 159 ID15 160 ⇔ 169 ID16 170 ⇔ 179 ID16		211⇔220	CUSTOM 10
8 0⇔255 When using CH7,AUT001-AUT09, this function activated ID ADDRESS 0⇔9 ID1-ID66 10 ↔29 ID2 30⇔39 ID3 40⇔49 ID4 50⇔59 ID5 60⇔69 ID6 70⇔79 ID7 80⇔89 ID8 90⇔99 ID9 100⇔109 ID10 110⇔119 ID11 120⇔129 ID12 130⇔139 ID13 140⇔149 ID14 150⇔159 ID15 160⇔169 ID16 170⇔159 ID15 160⇔169 ID16 170⇔179 ID17		221≪⇒255	No function
ID ADDRESS 0 ⇔9 ID1-ID66 10 ⇔19 ID1 20 ⇔29 ID2 30 ⇔39 ID3 40 ⇔49 ID4 50 ⇔59 ID5 60 ⇔69 ID6 70 ⇔79 ID7 80 ⇔89 ID8 90 ⇔99 ID9 100 ⇔109 ID10 110 ⇔119 ID11 120 ⇔129 ID12 130 ⇔139 ID13 140 ⇔149 ID14 150 ⇔159 ID15 160 ⇔169 ID16 170 ⇔179 ID17	8		AUTO SPEED ADJUSTMENT
0 ⇔9 ID1-ID66 10 ⇔19 ID1 20 ⇔29 ID2 30 ⇔39 ID3 40 ⇔49 ID4 50 ⇔59 ID5 60 ⇔69 ID6 70 ⇔79 ID7 80 ⇔89 ID8 90 ⇔99 ID9 100 ⇔109 ID10 110 ⇔119 ID11 120 ⇔129 ID12 130 ⇔139 ID13 140 ⇔149 ID14 150 ⇔159 ID15 160 ⇔169 ID16 170 ⇔179 ID17		0≪⇒255	When using CH7,AUTO01-AUTO9, this function activated
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30 <>> 1D3 40 <>> 49 1D4 50 <>> 59 1D5 60 <>> 69 1D6 70 <>> 79 1D7 80 <>> 89 1D8 90 <>> 99 1D9 100 <>> 109 1D10 110 <>> 119 1D11 120 <>> 129 1D12 130 <>> 139 1D13 140 <>> 149 1D14 150 <>>> 159 1D15 160 <>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>		10≪⇒19	ID1
40 ⇔ 49 ID4 50 ⇔ 59 ID5 60 ⇔ 69 ID6 70 ⇔ 79 ID7 80 ⇔ 89 ID8 90 ⇔ 99 ID9 100 ⇔ 109 ID10 110 ⇔ 119 ID11 120 ⇔ 129 ID12 130 ⇔ 139 ID13 140 ⇔ 149 ID14 150 ⇔ 159 ID15 160 ⇔ 169 ID16 170 ⇔ 179 ID17		20≪⇒29	ID2
50⇔59 ID5 60⇔69 ID6 70⇔79 ID7 80⇔89 ID8 90⇔99 ID9 100⇔109 ID10 110⇔119 ID11 120⇔129 ID12 130⇔139 ID13 140⇔149 ID14 150⇔159 ID15 160⇔169 ID16 170⇔179 ID17		30⇔⇒39	ID3
60 ⇔ 69 ID6 70 ⇔ 79 ID7 80 ⇔ 89 ID8 90 ⇔ 99 ID9 100 ⇔ 109 ID10 110 ⇔ 119 ID11 120 ⇔ 129 ID12 130 ⇔ 139 ID13 140 ⇔ 149 ID14 150 ⇔ 169 ID15 160 ⇔ 169 ID16 170 ⇔ 179 ID17		40≪⇒49	ID4
70⇔79 ID7 80⇔89 ID8 90⇔99 ID9 100⇔109 ID10 110⇔119 ID11 120⇔129 ID12 130⇔139 ID13 140⇔149 ID14 150⇔159 ID15 160⇔169 ID16 170⇔179 ID17		50≪⇒59	ID5
80 ⇔89 ID8 90 ⇔99 ID9 100 ⇔109 ID10 110 ⇔119 ID11 120 ⇔129 ID12 130 ⇔139 ID13 140 ⇔149 ID14 150 ⇔169 ID15 160 ⇔169 ID16 170 ⇔179 ID17		60≪⇒69	ID6
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$100 \Leftrightarrow 109$ ID10 $110 \Leftrightarrow 119$ ID11 $120 \Leftrightarrow 129$ ID12 $130 \Leftrightarrow 139$ ID13 $140 \Leftrightarrow 149$ ID14 $150 \Leftrightarrow 159$ ID15 $160 \Leftrightarrow 169$ ID16 $170 \Leftrightarrow 179$ ID17	9	80≪⇒89	ID8
110 ⇔119 ID11 120 ⇔129 ID12 130 ⇔139 ID13 140 ⇔149 ID14 150 ⇔159 ID15 160 ⇔169 ID16 170 ⇔179 ID17		90≪⇒>99	ID9
120⇔129 ID12 130⇔139 ID13 140⇔149 ID14 150⇔159 ID15 160⇔169 ID16 170⇔179 ID17		100≪⇒109	ID10
130 ⇔ 139 ID13 140 ⇔ 149 ID14 150 ⇔ 159 ID15 160 ⇔ 169 ID16 170 ⇔ 179 ID17		110 <≒> 119	ID11
140⇔149 ID14 150⇔159 ID15 160⇔169 ID16 170⇔179 ID17		120≪⇒129	ID12
150<⇒>159 ID15 160<⇒>169 ID16 170<⇒>179 ID17		130⇐⇒139	ID13
160 1016 170 ⇒179		140<⇒149	ID14
170 🖘 179 ID 17		150≪⇒159	ID15
		160⊲⇒169	ID16
		170⇔179	
180 🖘 189 ID18		180≪⇒189	ID18
190 ⇐⇒ 199 ID 19		190≪⇒199	ID19

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1.4 PHOTOMETRIC DATA

PHOTOMETRIC DATA



4 USING ADMX512 CONTROLLER

1.5 <u>SAFETY WARNING</u>

IMPORTANT

[ALWAYS READ THE USER MANUAL BEFORE OPERATION.] [PLEASE CONFIRM THAT THE POWER SUPPLY STATED ON THE PRODUCT IS THE SAME AS THE MAINS POWER SUPPLY IN YOUR AREA.]

- This product must be installed by a qualified professional.
- Always operate the equipment as described in the user manual.
- Aminimum distance of 0.5m must bemaintained between the equipment and combustible surface.
- The product must always be placed in a well ventilated area.
- Always make sure that the equipment is installed securely.
- DO NOT stand close to the equipment and stare directly into the LED light source.
- Always disconnect the power supply before attempting and maintenance.
- Always make sure that the supporting structure is solid and can support the combined weight of the products.
- The earth wire must always be connected to the ground.
- Do not touch the power cables if your hands are wet.

ATTENTION

ATTENTION A

- This product left the place of manufacture in perfect condition. In order to maintain this condition and for safe operation, the user must always follow the instructions and safety warnings described in this user manual.
- Avoid shaking or strong impacts to any part of the equipment.
- Make sure that all parts of the equipment are kept clean and free of dust.
- Always make sure that the power connections are connected correct and secure.
- If there is any malfunction of the equipment, contact your distributor immediately.
- When transferring the product, it is advisable to use the original packaging in which the product left the factory.
- Shields, lenses or ultraviolet screens shall be changed if they have become damaged to such an extent that their effectiveness is impaired.
- The lamp (LED) shall be changed if it has become damaged or thermally deformed.

4 USING A DMX512 CONTROLLER

4.1 BASIC ADDRESSING

- Connect all of the units in series using standard DMX512 signal cable or the IP65 rated cable provided.
- Set the DMX512 address in the [DMX] menu.

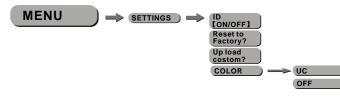
4.2 CHANNELASSIGNMENT

• Note: This product have three DMX512 channel configuration: **(STAGE 1)**, **(ARC 1)** and **(ARC 1+D)**

STAGE 1

CHANNEL	VALUE	FUNCTION
1		DIMMER
	0≪⇒255	
		RED
2	0⇔255	Ch2 will control the TIME if Ch7 choosecustom01-10
3		GREEN
5	0⇔255	Ch3 will control the FADE if Ch7 choose CUSTOM01
4		BLUE
4	0≪⇒255	
		MARCO
	0<⇔10	No function
	11⇐⇒35	RED 100% / GREENUP / BLUE 0%
	36≪⇒60	RED DOWN / GREEN100% / BLUE 0%
	61⇔85	RED 0% / GREEN100% / BLUE UP
	86⇔⇒110	RED 0% / GREENDOWN / BLUE 100%
	111<⇔135	RED UP / GREEN0% / BLUE 100%
	136⇔>160	RED 100% / GREEN 0%/ BLUE DOWN
	161⇔185	RED 100% / GREENUP / BLUE UP
	186⊲⇒210	RED DOWN / GREENDOWN / BLUE 100%
5	211⇐⇒215	WHITE 1: 3200K
	216<⇒220	WHITE 2: 3400K
	221⇔225	WHITE 3: 4200K
	226⇔230	WHITE 4: 4900K
	231⇔235	WHITE 5: 5600K
	236⊲⇒240	WHITE 6: 5900K
	241⇔245	WHITE 7: 6500K
	246⇔250	WHITE 8: 7200K
	251≪⇒255	WHITE 9: 8500K
		STROBE
6	0⇔10	No function
	11⇔255	Strobe speed
LLER		13

3.10 SETTINGS



[*ID*]

• Choose [ON] / [OFF] to open or close ID

[Reset to Factory?]

• This function will reset all setting to the original factory setting

[Up load custom?]

- Select [Up load custom?] to upload the custom programs from the current MASTER unit to the SLAVE units
- [COLOR] is fora ctivate/unactivate thec olorc alibrationf unctions. When [UC] is selected, the RGB output are adjusted to a standard preset universal color which balances fixtures from different generations.. The factory default setting is [UC] on.

3.11 PASSWORD



PASSWORD) => [ON/OFF])

[PASSWORD]

- Enter the **[PASSWORD]** mode to select whether the accesspassword is onor off. • When the fixture is set as PASS **[ON]**, after 30 seconds or turn on the fixture next
- time, the fixture will need an access password to enter the displayment control.
- Note: The factory accesspassword is [UP] + [DOWN] + [UP] + [DOWN] , then press [ENTER] to confirm the access.

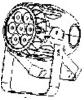
3.12 SAVE

Only the main menu and the Auto-programs submenu can be protected
 Repower the unit, it will back to the main menu

2 INSTALLATION 2.1 MOUNTING

HANGING

The LED PAR can be mounted in a hanging position using the supporting bracket. The bracket should be secured to the mounting truss or structure using a standard mounting clamp. Please note that when hanging the unit a safety cable should also be used.



UPRIGHT

The LED PAR can be mounted in an upright or sitting position using the supporting brackets.





The LED MODULE can be mounted at any angle and in any position. It is possible to further adjust the angle of the LED MODULE using the two adjustment knobs located on the side of the fixture.

2.2 POWER CONNECTIONS

@ 220V:40 units maybe connected in series

@120V: 20 units may be connected in series

Note: As this fixture's DMX signal cable connection had been changed to Parallel connection, so if over 30 units to be connected, then a DMX signal amplifier is needed.

3 DISPLAYPANEL OPERATION

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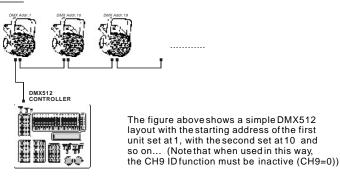
2 INSTALLATION

2.3 <u>SETTING UP WITH A DMX512</u> <u>CONTROLLER</u>

2.3-1 DMX512 ADDRESSING WITHOUT ID ADDRESSING (STAGE 1 MODE)

- Connect the DMX512 controller to the units in series.
- Each unit has 9 DMX channels so the DMX Addresses should increase by increments of 9 (e.g. 1,10,19,28...)
- •The ID address has not been set so therefore when using the controller Ch9 must be inactive (CH9=0).
- Each DMX Address may be used as many times as required.
- Any DMX address in the range from 001 to 512 maybe used.

Example:



2.3-2 DMX512ADDRESSING WITH IDADDRESS(STAGE 1 MODE)

- Connect the DMX512 controller to the units in series
- Each unit has 9DMX channels so the DMX Addresses should increase by increments of 9 (e.g. 1,10,19,28...)
- Each DMX Address may be used as many times as required.
- Any DMX address in the range from 001 to 512 maybe used.
- Each DMX address may carry up to 66 separate ID addresses.
- [ID] should be set in the menuion each unit in ascending values (i.e. 1,2,3...)
- ID addresses are accessible from Ch9on the DMX512 controller.

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3.6 RUN



[RUN]

• Enter [RUN] to choose [SLAVE] or [DMX] working mode

3.7 PERSON



[PERSON]

• Enter [PERSON] and select [STAGE1] / [ARC1] / [ARC1+D] DMX mode

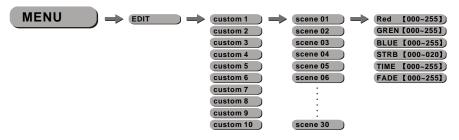
3.8 <u>ID</u>



[ID]

• Enter [ID] and set the ID address [001~066]

3.9 EDIT



[EDIT]

• Enter [EDIT] to edit the custom programs [custom 1] to [custom 10]

- Each program has 30 steps to edit
- Each step allows a creation of a scene using RED, GREEN, BLUE, STRUBE, TIME, FADE

3 DISPLAY PANEL OPERATION

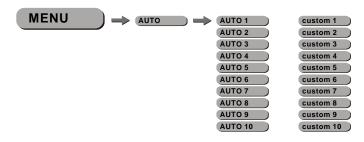
3.3 <u>STATIC</u>



[STATIC]

• Select [RED] / [GREN] / [BLUE] / [STRB] to set the value

3.4 <u>AUTO</u>



[AUTO]

- Select the target [AUTO] program and press [ENTER]
- Programs [AUTO 1] to [AUTO 10] are fully pre-programmed and will not be altered
- Programs [Custom 1] to [Custom 10] are fully pre-programmed and can be edited

3.5 ADDRESS

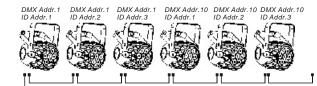


(ADDRESS) => [001~512])

[ADDRESS]

• Enter [ADDRESS] and set the DMX address [001~512]

Example:

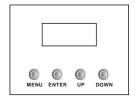




The figure above shows a simple DMX layout which has used three units at each DMX address. The three units have different ID addresses which allows the user to collectively control the whole group of units at that DMX address by setting CH9 to 0, or to control each unit independently by first selecting the DMX address and then by using Ch9 to locate the target ID address.

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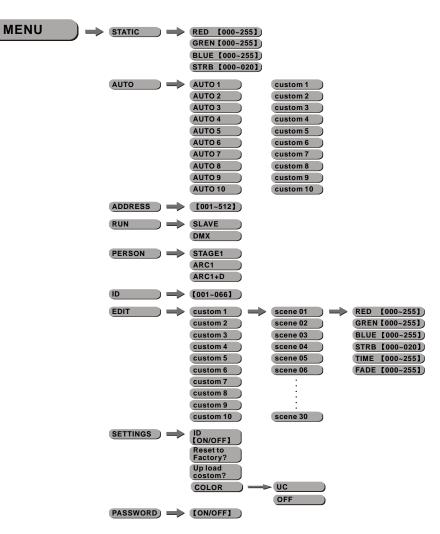
3 DISPLAY PANEL OPERATION 3.1 BASIC



[MENU] scroll through the main menu or exit from the current menu or function
[ENTER] Enter the currently selected menu or confirm the current function value
[UP] scroll 'UP' through the menu list or increase the value of the current function
[DOWN] scroll 'DOWN' through the menu list or decrease the value of the current function

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3.2 <u>Menu</u>



3 DISPLAY PANEL OPERATION

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