8.Technical Specifications

110-120VAC(3.2A)/220-240VAC(1.6A),50/60Hz
3-pin male XLR connector
3-pin female XLR connector
12VDC, 6A/CH Total 12A Max.
15VDC, 6A/CH Total 10A Max.
18VDC, 6A/CH Total 8A Max.
24VDC, 6A/CH Total 6A Max.
286X191X74mm
3.0kg

*Please Note:

Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

ACCLAIM LIGHTING

AL-Driver-8RGBW



Instruction Manual

24-004-1909-00 Rev3.0

Acclaim Lighting-Los Angeles, CA90058 www.acclaimlighting.com

2.AL-Driver-8RGBW with X-Chip-W12

X-CHIP-300 DIP X-CHIP-300 SMD

X-CHIP-W15 - 6000K

X-CHIP-W15 - 3200K

120

120

120

X-CHIP-W12 - Amber

X-CHIP-II

Table of Contents

1. General Information	1
1.1. Unpacking	1
1.2.Safety warnings	1
2. Main features	2
3. DMX setup	2
4. Product layout & functions	3
4.1.Front panel layout	3
4.2.Rear panel layout	4
5. Operation guide	4
5.1.DMX control mode(DMX address setting)	4
5.2.Stand alone mode	5
5.2.1.Fade time setup	5
5.2.2.Chase speed adjusting	5
5.2.3.Selecting built-in programs	5
5.2.4.Output mode setting	6
6. Appendix-	
(RGB) Color Mix and DMX value Table	7
7. System connection diagram	12
8. Technical specifications	14

Note: when the AL-Driver-8RGBW is used to drive X-Chip-W12(s), only the WHITE mode and the RGB&WHITE mode are valid, and other modes are not available.



150

84

7.System Connection Diagram

A proper system connection must be established before performing this unit into application.

1.AL-Driver-8RGBW with AL-EYE-STDs



1.General Information

1.1. Unpacking

Every AL-Driver-8RGBW has been thoroughly tested and has been shipped in perfect operation condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your controller for any damage and be sure all equipment necessary to operate the unit has arrived intact. In case damage has been found or parts are missing, please contact us or your nearest dealer/distributor for further instructions.

Note: A screw driver was packed with each AL-Driver-8RGBW.

To optimize performance of this product, please read instructions in this manual and on the case of this product carefully to familiarize yourself with the basic operations. Once manual has been thoroughly read, we recommend you should file it for future reference.

Caution! There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, doing so will void your manufactures warranty. In the unlikely event your unit may require service, please contact *Acclaim Lighting* customer support.

Do not discard the packing carton in the trash. Please recycle when ever possible.

1.2. Safety Warnings

-The ground connection should be essential for this unit.

-Do not make any inflammable liquids, water or metal objects enter the unit.

-To prevent or reduce the risk of electric shock, DO NOT OPEN THE TOP COVER.

-This unit must be operated by adults, do not allow children to play with it.

-There are no user serviceable parts inside this unit. Do not attempt any repairs yourself. -Should you experience any problem during use, please contact your local dealer immediately. -Do not discard the shipping cartoon in the trash. Please recycle when ever possible. -Always consult authorized personnel for any repairs and maintenance.

-When unpacking, please check the unit is not damaged. Should something wrong happen to this product, contact the local dealer immediately.

-All rights reserved. No part of the manual included with this product may be reproduced, transmitted, transcribed or translated into any language in any form, by any means, without authorized permission.

2.Main Features

-The AL-Driver-8RGBW as a hybrid&universal LED lighting driver unit is used to drive LED lightings, i.e. X-Chip series, AL-Eye-STD etc from *Acclaim Lighting*. -12 digit dipswitch for functional setup.

-USITT DMX512(1990) multiplexed digital control, via 3 pin XLR connector.

-DMX Control Mode and Stand Alone Mode available .

-0~100% fade time.

-0.1S~30S chasing speed.

-Built-in programs1~7 and a sequence of 7 programs(Auto).

-Output modes available, including

-Pure White (Intensity)

-Color (RGB) with white (saturation)

-RGB color only

-110-120VAC(3.2A)/220-240VAC(1.6A) power input standards optional via voltage selector.

-With built-in 4 different PSU for user selection, available in 12VDC, 15VDC, 18VDC and 24VDC.

-Power failure memory.

3. Power & DMX Setup

3.1. Power Supply:

Before plugging your unit in, be sure the source voltage in your area matches the required voltage for your AL-Driver-8RGBW power supply. The AL-Driver-8RGBW is available in a 120v and 230v version. Due to variations in line voltage from venue to venue, be sure to plug your power supply into a wall outlet with matching power before attempting to operate.

3.2. Data Cable (DMX Cable) Requirements:

The AL-Driver-8RGBW can be controlled via DMX-512 protocol and your DMX controller requires a standard 3-pin XLR connector for data input and data output(Figure1). Connect the AL-Driver-8RGBW and your fixtures together using standard 3 pin DMX cables. The AL-Driver-8RGBW uses DMX-512 protocol to operate your fixtures.

If you are constructing your own data cables, be sure to use standard two conductor shielded cable (This cable may be purchased at almost all professional sound and lighting stores). Your cables should be made with a 3-pin male and female XLR connector on either end of the cable. Also remember that DMX lines must be daisy chained and can't be split.



*Note:

Be sure to follow figures two and three when making your own cables. Do not use the ground lug on the XLR connector. Do not connect the cable's shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR's outer casing. Grounding the shield could cause a short circuit and erratic behavior.



6.Appendix

234	88	44	100	Blue @ Full
235	76	38	100	Proportional Red and Green
236	64	32	100	
237	50	25	100	
238	44	19	100	
239	38	13	100	
240	32	7	100	
241	25	12	100	
242	19	18	100	
243	13	24	100	
244	7	30	100	
245	12	36	100	
246	18	42	100	
247	24	48	100	
248	31	62	100	
249	37	74	100	
250	43	86	100	
251	49	98	100	
252	62	100	100	Blue and Green @ Full
253	74	100	100	Proportional Red
254	86	100	100	
255	100	100	100	Red,Green,Blue @ FULL (White)

6.Appendix

181	100	0	61	Red @ Full
182	100	0	58	Proportional Blue
102	100	0	50	
103	100	0	55	
184	100	0	52	
185	100	0	49	
186	100	0	46	
187	100	0	43	
100	100	0	10	
100	100	0	40	
189	100	0	37	
190	100	0	34	
191	100	0	31	
192	100	0	28	
102	100	0	25	
104	100	0	20	
194	100	0	22	
195	100	0	19	
196	100	0	16	
197	100	0	13	
198	100	0	10	
100	100	0	7	
199	100	0	1	
	1	1 -	1	
200	100	6	12	Red @ Full
201	100	12	24	Proportional Green and Blue
202	100	18	36	
202	100	24	10	
203	100	24	40	
204	100	30	60	
205	100	36	72	
206	100	42	84	
207	100	50	100	Pod & Blue @ Full Green @
201	100	50	100	rted & blue @ Full, Green @
				50%
-				
208	88	62	100	Blue @ Full
209	76	74	100	Proportional Red and Green
210	64	86	100	·
210	04	00	100	
011	50	100	100	
211	50	100	100	Green & Blue @ Full, Red @
				50%
212	44		0.0	
213		100	00	Green @ Full
210	38	100	76	Green @ Full Proportional Red and Blue
212	38	100	76	Green @ Full Proportional Red and Blue
214	38 32	100 100 100	76 64	Green @ Full Proportional Red and Blue
214 215	38 32 26	100 100 100 100	64 52	Green @ Full Proportional Red and Blue
214 215 216	38 32 26 19	100 100 100 100 100 100	88 76 64 52 44	Green @ Full Proportional Red and Blue
214 215 216 217	38 32 26 19 13	100 100 100 100 100 100 100	00 76 64 52 44 38	Green @ Full Proportional Red and Blue
214 215 216 217 218	38 32 26 19 13 7	100 100 100 100 100 100 100 100	88 76 64 52 44 38 32	Green @ Full Proportional Red and Blue
214 215 216 217 218 219	38 32 26 19 13 7 12	100 100 100 100 100 100 100 100	00 76 64 52 44 38 32 25	Green @ Full Proportional Red and Blue
214 215 216 217 218 219 220	38 32 26 19 13 7 12 49	100 100 100 100 100 100 100 100 100	00 76 64 52 44 38 32 25 40	Green @ Full Proportional Red and Blue
214 215 216 217 218 219 220 221	38 32 26 19 13 7 12 18	100 100 100 100 100 100 100 100 100 100	00 76 64 52 44 38 32 25 19	Green @ Full Proportional Red and Blue
214 215 216 217 218 219 220 221	38 32 26 19 13 7 12 18 24	100 100 100 100 100 100 100 100 100 100	00 76 64 52 44 38 32 25 19 13	Green @ Full Proportional Red and Blue
214 215 216 217 218 219 220 221 222	38 32 26 19 13 7 12 18 24 30	100 100 100 100 100 100 100 100 100 100	00 76 64 52 44 38 32 25 19 13 7	Green @ Full Proportional Red and Blue
214 215 216 217 218 219 220 221 222 223	38 32 26 19 13 7 12 18 24 30 38	100 100 100 100 100 100 100 100 100 100	00 76 64 52 44 38 32 25 19 13 7 12	Green @ Full Proportional Red and Blue
214 215 216 217 218 219 220 221 222 222 222 222 222 224	38 32 26 19 13 7 12 18 24 30 38 44	100 100 100 100 100 100 100 100 100 100	88 76 64 52 44 38 32 25 19 13 7 12 18	Green @ Full Proportional Red and Blue
214 215 216 217 218 219 220 221 222 223 224 224 225	38 32 26 19 13 7 12 18 24 30 38 44	100 100 100 100 100 100 100 100 100 100	00 76 64 52 44 38 32 25 19 13 7 12 18 24	Green @ Full Proportional Red and Blue
214 215 216 217 218 219 220 221 222 223 224 225	38 32 26 19 13 7 12 18 24 30 38 44 50	100 100 100 100 100 100 100 100 100 100	88 76 64 52 44 38 32 25 19 13 7 12 18 24	Green @ Full Proportional Red and Blue
214 215 216 217 218 219 220 221 222 223 224 225 226	38 32 26 19 13 7 12 18 24 30 38 44 50 62	100 100 100 100 100 100 100 100 100 100	00 76 64 52 44 38 32 25 19 13 7 12 18 24 31	Green @ Full Proportional Red and Blue
214 215 216 217 218 219 220 221 222 223 224 225 226 227	38 32 26 19 13 7 12 18 24 30 38 44 50 62 74	100 100 100 100 100 100 100 100 100 100	00 76 64 52 44 38 32 25 19 13 7 12 18 24 31 37	Green @ Full Proportional Red and Blue
214 215 216 217 218 219 220 221 222 223 224 225 226 227 228	38 32 26 19 13 7 12 18 24 30 38 44 50 62 74 86	100 100 100 100 100 100 100 100 100 100	88 76 64 52 44 38 32 25 19 13 7 12 18 24 31 37 43	Green @ Full Proportional Red and Blue
214 215 216 217 218 219 220 221 222 223 224 225 226 227 228	38 32 26 19 13 7 12 18 24 30 38 44 50 62 74	100 100	$\begin{array}{c} 80 \\ \hline 76 \\ 64 \\ 52 \\ 44 \\ 38 \\ 32 \\ 25 \\ 19 \\ 13 \\ 7 \\ 12 \\ 18 \\ 24 \\ 31 \\ 37 \\ 43 \end{array}$	Green @ Full Proportional Red and Blue
214 215 216 217 218 219 220 221 222 223 224 225 226 227 228	38 32 26 19 13 7 12 18 24 30 38 44 50 62 74 86	100 100 100 100 100 100 100 100 100 100	00 76 64 52 44 38 32 25 19 13 7 12 18 24 31 37 43	Green @ Full Proportional Red and Blue
214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229	38 32 26 19 13 7 12 18 24 30 38 44 50 62 74 86 100	100 100 100 100 100 100 100 100 100 100	80 76 64 52 44 38 32 25 19 13 7 12 18 24 31 37 43	Green @ Full Proportional Red and Blue
214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229	38 32 26 19 13 7 12 18 24 30 38 44 50 62 74 86 100	100 100	00 76 64 52 44 38 32 25 19 13 7 12 18 24 31 37 43	Green @ Full Proportional Red and Blue
214 215 216 217 218 219 220 221 222 223 224 225 226 227 228	38 32 26 19 13 7 12 18 24 30 38 44 50 62 74 86	100 100 100 100 100 100 100 100	88 76 64 52 44 38 32 25 19 13 7 12 18 24 31 37 43	Green @ Full Proportional Red and Blue
214 215 216 217 218 220 221 222 223 224 225 226 227 228 229	38 32 26 19 13 7 12 18 24 30 38 44 50 62 74 86 100 100	100 88	00 76 64 52 44 38 32 25 19 13 7 12 18 24 31 37 43 50 62	Green @ Full Proportional Red and Blue
214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231	38 32 26 19 13 7 12 18 24 30 38 44 50 62 74 86 100 100	100 76	$ \begin{array}{c} $	Green @ Full Proportional Red and Blue Red and Green @ Full, Blue @ 50% Red @ Full Proportional Green and Blue
214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232	38 32 26 19 13 7 12 18 24 30 38 44 50 62 74 86 100 100 100	100 66	88 76 64 52 44 38 32 25 19 13 7 12 18 24 31 37 43 50 62 74 86	Green @ Full Proportional Red and Blue Red and Green @ Full, Blue @ 50% Red @ Full Proportional Green and Blue
214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232	38 32 26 19 13 7 12 18 24 30 38 44 50 62 74 86 100 100 100 100	100 64	$\begin{array}{c} 86\\ 76\\ 64\\ 52\\ 44\\ 38\\ 32\\ 25\\ 19\\ 13\\ 7\\ 12\\ 18\\ 24\\ 31\\ 37\\ 43\\ \hline \\ 50\\ \hline \\ 62\\ 74\\ 86\\ \hline \end{array}$	Green @ Full Proportional Red and Blue Red and Green @ Full, Blue @ 50% Red @ Full Proportional Green and Blue
214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232	38 32 26 19 13 7 12 18 24 30 38 44 50 62 74 86 100 100 100	100 100 100 100 100 100 100 100	00 76 64 52 44 38 32 25 19 13 7 12 18 24 31 37 43 50 62 74 86	Green @ Full Proportional Red and Blue Red and Green @ Full, Blue @ 50% Red @ Full Proportional Green and Blue
214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232	38 32 26 19 13 7 12 18 24 30 38 44 50 62 74 86 100 100 100 100 100 100	100 50	00 76 64 52 44 38 32 25 19 13 7 12 18 24 31 37 43 50 62 74 86 100	Green @ Full Proportional Red and Blue Image: Stress of the stress of t
214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232	38 32 26 19 13 7 12 18 24 30 38 44 50 62 74 86 100 100 100 100 100	100 50	00 76 64 52 44 38 32 25 19 13 7 12 18 24 31 37 43 50 62 74 86 100	Green @ Full Proportional Red and Blue Red and Green @ Full, Blue @ 50% Red @ Full Proportional Green and Blue Red and Blue @ Full, Green @ 50%



*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 behavior. A terminator is a 120 ohm 1/4 watt resistor which is connected between pins 2 and 3 of a male XLR connector (DATA + and DATA -). This unit is inserted in the female XLR connector of the last unit in your daisy chain to terminate the line. Using a cable terminator will decrease the possibilities of erratic behavior.



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

Figure 4

DMX Signal Cable. 120 ohm impedance DMX signal cable MUST be used for signal connection.

5-Pin XLR DMX Connectors.

Some manufactures use 5-pin XLR connectors for DATA transmission in place of 3-pin. 5pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5pin XLR connectors in to a 3-pin line a cable adaptor must be used, these adaptors are readily available at most electric stores. The chart below details a proper cable conversion.

3-Pin XLR to 5-Pin XLR Conversion				
Conductor	3-Pin XLR Female(Out)	5-pin XLR Male(In)		
Ground/Shield	Pin 1	Pin 1		
Data Compliment(-signal)	Pin 2	Pin 2		
Data True(+signal)	Pin 3	Pin 3		
Not Used		Pin 4 - Do Not Used		
Not Used		Pin 5 - Do Not Used		

4.Product Layout & Functions

4.1. Front Panel Layout



- 1. Dip Switch: Assign 12 dip-switches to set some function modes for user's desired effects. 2. DMX Input: 3-Pin XLR connector. Connect a universal DMX controller into this input for
- receiving DMX values or DMX signals.
- 3. DMX Output: 3-Pin XLR connector. Connect to next DMX fixtures for sending DMX values or DMX signals.
- 4. Output(Option): 8 terminal outputs, available in; 12VDC, 6A/CH Total 12A Max.

 - 15VDC, 6A/CH Total 10A Max.
 - 18VDC, 6A/CH Total 8A Max. • 24VDC, 6A/CH Total 6A Max.

4.2. Rear Panel Layout

- A 5 СЕ вонз 🕱 220
- 5. Power Input: 110-120VAC(3.2A)/220-240VAC(1.6A), 50/60Hz.
- 6. Voltage Selector: To select AC120V or AC230V by sliding the selector.

5.Operation Guide

5.1. DMX Address Setting-DMX Control Mode

DMX is short for Digital Multiplex. This is a universal binary language used as a form of communication between intelligent fixtures. Each dip switch represents a binary value.

Dip Switch 1 address equals 1
Dip Switch 2 address equals 2
Dip Switch 3 address equals 4
Dip Switch 4 address equals 8
Dip Switch 5 address equals 16
Dip Switch 6 address equals 32
Dip Switch 7 address equals 64
Dip Switch 8 address equals 128
Dip Switch 9 address equals 256

DMX AD (Dip S	DMX ADDRESS (SLAVE) (Dip Switch 10 = on)		1 = ON 0 = OFF 1 2 3 4 5 6 7 8 0 10 11 12		
START CH#	SWITCHES ON	START CH#	SWITCHES ON		
1	1	11	1,2,4		
2	2	12	3,4		
3	1,2	13	1,3,4		
4	3	14	2,3,4		
5	1,3	15	1,2,3,4		
6	2,3				
7	1,2,3	:	:		
8	4	:	:		
9	1,4				
10	2,4	511	1,2,3,4,5,6,7,8,9		

In this mode, the dip-switch 10 is flipped to the "ON" position. And this switch sometimes used to activate a fixture special functions.

Hint: When DMX address is "0", the output is FULL ON.

6.Appendix

119	0	46	100	Blue @ Full
120	0	43	100	Proportional Green
121	0	40	100	····
121	0	27	100	-
122	0	31	100	4
123	0	34	100	-
124	0	31	100	
125	0	28	100	
126	0	25	100	1
127	0	22	100	1
120	0	10	100	-
120	0	19	100	4
129	U	16	100	_
130	0	13	100	
131	0	10	100	
132	0	7	100	
	-			J
133	0	0	100	Blue @ Full only
104	0	0	100	Blue @ Full only
134	0	0	100	-
135	0	0	100	
136	0	0	100	
137	3	0	100	Blue @ Full
138	6	0	100	Proportional Red
120	0	0	100	
139	3	0	100	4
140	12	U	100	4
141	15	0	100	
142	18	0	100	
143	21	0	100	
144	24	0	100	4
144	24	0	100	-
145	21	0	100	-
146	30	0	100	
147	33	0	100	
148	36	0	100	1
149	39	0	100	1
150	12	0	100	4
150	42	0	100	-
151	45	0	100	-
152	48	0	100	
153	51	0	100	
154	54	0	100	1
155	57	0	100	1
156	60	0	100	-
150	00	0	100	-
157	03	U	100	4
158	66	0	100	1
159	69	0	100	
160	72	0	100]
161	75	0	100	1
162	78	0	100	1
102	10	0	100	4
163	81	U	100	4
164	84	0	100	
165	87	0	100	
166	90	0	100	1
167	93	0	100	1
101	55		100	1
168	100	0	100	
100	100	v	100	INCO & DIVE (U FUII(FURFLE)
[I -		
169	100	0	97	Red @ Full
170	100	0	94	Proportional Blue
171	100	0	91	1
172	100	0	88	1
	100		00	1
172	100	0	05	
173	100	0	85	
172 173 174	100 100 100	0	85 82	
173 174 175	100 100 100 100	0 0 0	85 82 79	-
173 174 175 176	100 100 100 100 100	0 0 0 0	85 82 79 76	- - - -
173 173 174 175 176 177	100 100 100 100 100 100	0 0 0 0 0	85 82 79 76 73	
172 173 174 175 176 177 178	100 100 100 100 100 100 100	0 0 0 0 0 0	85 82 79 76 73 70	
172 173 174 175 176 177 178	100 100 100 100 100 100 100	0 0 0 0 0 0 0 0	85 82 79 76 73 70 07	
173 174 175 176 177 178 179	100 100 100 100 100 100 100 100 100 100 100 100 100	0 0 0 0 0 0 0 0 0	85 82 79 76 73 70 67	

6.Appendix

ppcillain				
57	31	100	0	Green @ Full
58	28	100	0	Proportional Red
59	25	100	0	
60	22	100	0	
61	19	100	0	
62	16	100	0	
63	13	100	0	
64	10	100	0	
65	7	100	0	
	4		1	J
66	0	100	0	Green @ Full only
67	0	100	0	
68	0	100	0	
69	0	100	0	
70	0	100	3	Green @ Full
71	0	100	6	Proportional Blue
72	0	100	9	
73	0	100	12	
74	0	100	15	
75	0	100	18	
76	0	100	21	
77	0	100	24	
78	0	100	27	
79	0	100	30	
80	0	100	33	
81	0	100	36	
82	0	100	39	
83	0	100	42	
84	0	100	45	
85	0	100	48	
86	0	100	51	
87	0	100	54	
88	0	100	57	
89	0	100	60	
90	0	100	63	
91	0	100	66	
92	0	100	69	
93	0	100	72	
94	0	100	75	
95	0	100	78	
96	0	100	81	
97	0	100	84	
98	0	100	87	
99	0	100	90	
100	0	100	93	
101	0	400	100	
101	0	100	100	Green & Blue @ Full(CYAN)
100	0	07	100	
102	U	97	100	BIUE @ FUII Broportional Cross
103	0	94	100	Froportional Green
104	0	91	100	
100	0	00	100	
100	0	00	100	
107	0	02	100	
100	0	19	100	
110	0	70	100	
110	0	13	100	
117	0	10	100	
112	0	0/	100	
113	0	61	100	
114	0	01	100	
110	0	20 55	100	
110	0	50	100	
110	0	52	100	
110	U	49	100	

A DMX value(address) is set by combining the different dipswitches that will add up to the value you wish to achieve, for example:

Setting DMX a Flip switches1, "ON" position	address for 21. 3,&5 to the	Setting DMX ac Flip switches1,4 "ON" position	ddress for 201. I,7,& 8 to the
Dipswitches#	1=1 3=4 5=16 =21 Value	Dipswitches#	1=1 4=8 7=64 Value 8=128 =201

5.2. Stand Alone Mode

User can activate the Stand Alone Mode by flipping the dip switch 10 to the "OFF" position. And this mode includes sub-modes with many functions, such as fade time, chasing speed, built-in programs.

Stand Alone (Dip Switch 10 = OFF) 1 2 3 4 5 6 7 8

1 = ON	RS
↑	
•	
J 0= OFF	9 10 11 12

.

5.2.1. Fade time setup

In Stand Alone Mode, fade time can be set up by flipping dip switches1,2&3 to "ON" or "OFF" position separately at the range of 0~100%.

ON T		
	000	0%
FADE TIME	100	14%
(Dip Switches 10 = off)	010	28%
(2.p ennenee ie en)	110	43%
"0" = "OFF" position	001	57%
"1" = "ON" position.	101	71%
	011	86%
	111	100%

5.2.2. Chasing speed adjustment

In Stand Alone Mode, chasing speed can be adjusted by flipping dip switches4,5&6 to "ON" or "OFF" position separately at the range of 0.1S~30S.

on 1	456		
	000	0.1S	
SPEED	100	0.2S	
(Dip Switches 10 = off)	010	0.5S	
(2.) 0	110	1S	
"0" = "OFF" position	001	5S	
"1" = "ON" position.	101	10S	
	011	20S	
	111	30S	

5.2.3. Built-in programs selection

In Stand Alone mode, **built-in programs1~7 and Auto program** can be and selected and chased by flipping dip switches7,8 & 9 to "ON" or "OFF" position separately.

on Î	789	
	000	1
PROGRAM	100	2
	010	3
(Dip Switches 10 = off)	110	4
"0" = "OFF" position "1" = "ON" position.	001	5
	101	6
	011	7
AUTO=a sequence of 7 patterns	111	AUTO

5.2.4. Output Mode Setting

4 different output modes are available by flipping dip switches11 and 12 to "ON" or "OFF" position separately.

MODE	00 WHITE	V RGBW
1 = 0N [44]40]	10 COLOR & WHITE	V RGBW
	01 RGB	V RGB
0= OFF	11 RGB & WHITE	V RGBW

NOTE:

-In WHITE Mode, R.G.B and W will output in the same way. And One DMX channel will control one output socket.

	Channel	Function
1	R.G.B and White	

-In COLOR & WHITE Mode, two DMX channels will control one output socket. And the first will control R.G.B output(Please refer to the following <u>Color Mix Table (Preset)</u> for more information), the second will control the WHITE output.

-In RGB Mode, three DMX channels will control one output socket. And the first will control the Red output, the second for the Green output, the third for the Blue output, and the White disable.

-In RGB & WHITE Mode, four DMX channels will control one output socket. And the first will control the Red output, the second for the Green output the third for the Blue output, and the fourth for the White output.

Ch	annel	Function	
	1	Spectrum color mix	
	2	White	
See Color Mix Table in appendix section.			

	Channel	Function	
	1	Red	
	2	Green	
	3	Blue	
White disable.			

Channel	Function
1	Red
2	Green
3	Blue
4	White

6.Appendix

(R.G.B.)Color Mix and DMX value Table(Preset)

DMX Value	Red Intensity 0% ~ 100%	Green Intensity 0% ~ 100%	Blue Intensity 0% ~ 100%	Notes(Color)
0	0	0	0	Blackout
1	100	0	0	Red @ Full only
2	100	0	0	
3	100	3	0	Red @ Full
4	100	6	0	Proportional Green
5	100	9	0	
6	100	12	0	
7	100	15	0	
8	100	18	0	
9	100	21	0	_
10	100	24	0	
11	100	27	0	_
12	100	33	0	
14	100	36	0	-
15	100	39	0	-
16	100	42	0	-
17	100	45	0	-
18	100	48	0	1
19	100	51	0	
20	100	54	0	
21	100	57	0	
22	100	60	0	
23	100	63	0	
24	100	66	0	
25	100	69	0	_
26	100	72	0	_
27	100	75	0	_
28	100	78	0	_
29	100	81	0	_
30	100	04	0	_
32	100	90	0	_
33	100	93	0	-
			1	- J.
34	100	100	0	Red & Green @ Full(YELLOW)
35	97	100	0	Green @ Full
36	94	100	0	Proportional Red
37	91	100	0	
38	88	100	0	1
39	85	100	0	1
40	82	100	0	
41	79	100	0	
42	76	100	0	
43	73	100	0	
44	70	100	0	
45	67	100	0	_
46	64	100	U	_
4/	61	100	U	
40	58	100	0	-
49	52	100	0	
51	10	100	0	-
52	46	100	0	-
53	43	100	0	1
54	40	100	0	1
55	37	100	0	1
56	34	100	0	7