5.3 DMX512 Configuration
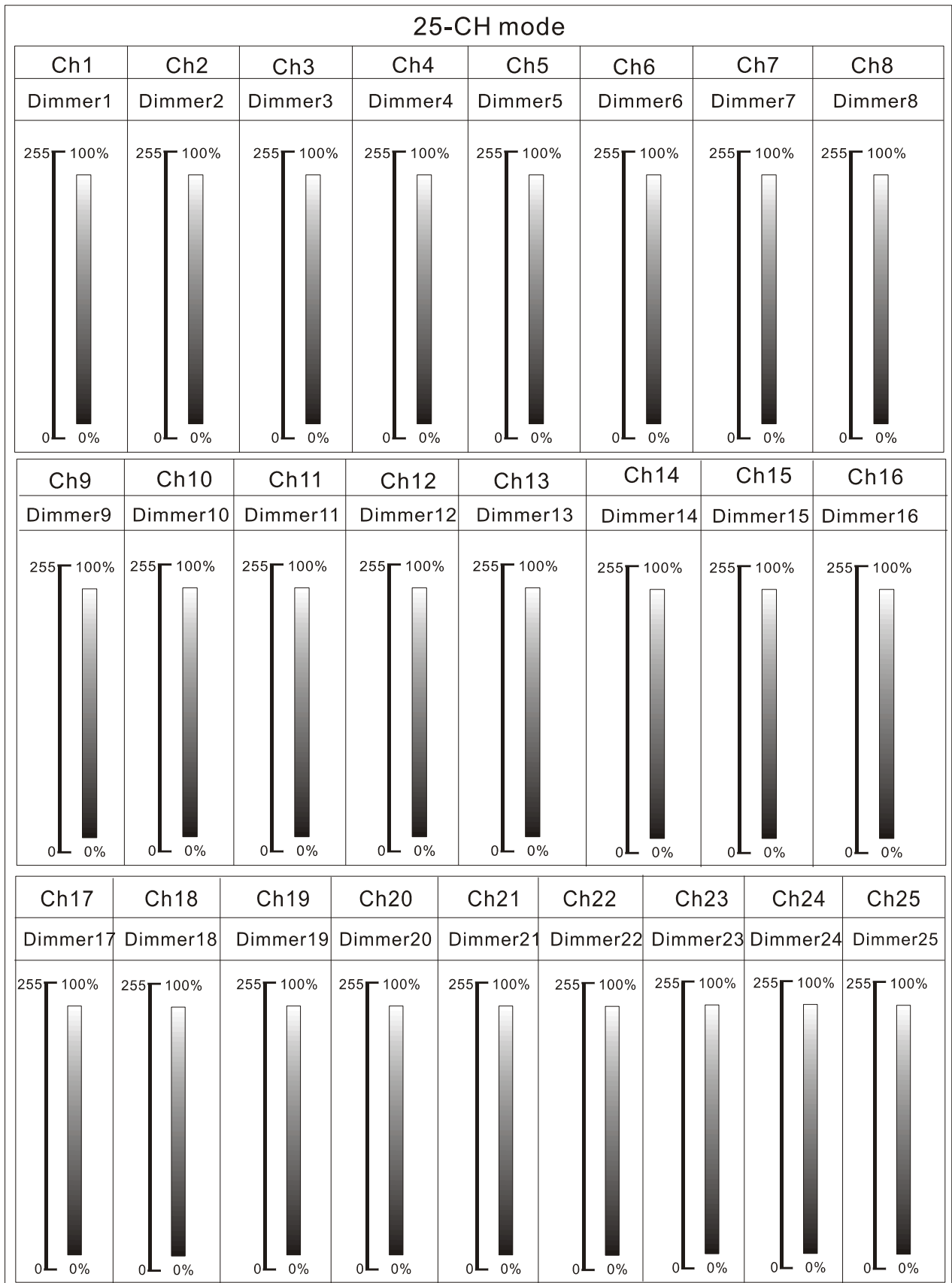
1/4 channel mode:

DMX 512 Configuration

1-CH mode	4-CH mode					
	Ch1	Ch2			Ch3	Ch4
Shows	Mode	2-1(Line effect)	2-2(Number)	2-3(Letter)	Dimmer	Strobe
248-255 Stand alone **218-247 Show 8** **188-217 Show 7** **158-187 Show 6** **128-157 Show 5** **098-127 Show 4** **068-097 Show 3** **038-067 Show 2** **008-037 Show 1** **000-007 Blackout**	255 248~255 Auto 188~247 Letter A to Z (se channel 2-3) 128~187 Number 1 to 9 (see channel 2-2) 68~127 Effect (see Channel 2-1) 8~67 Full On 0~7 Blackout 0	248-255 Random line effect 240-247 effect30 slow to fast 232-239 effect 29 slow to fast 224-231 effect 28 slow to fast 216-223 effect 27 slow to fast 208-215 effect 26 slow to fast 200-207 effect25 slow to fast 192-199 effect24 slow to fast 184-191 effect23 slow to fast 176-183 effect22 slow to fast 168-175 effect21 slow to fast 160-167 effect20 slow to fast 152-159 effect19 slow to fast 144-151 effect18 slow to fast 136-143 effect17 slow to fast 128-135 effect16 slow to fast 120-127 effect15 slow to fast 112-119 effect14 slow to fast 104-111 effect13 slow to fast 096-103 effect12 slow to fast 088-095 effect11 slow to fast 080-087 effect10 slow to fast 072-079 effect09 slow to fast 064-071 effect08 slow to fast 056-063 effect07 slow to fast 048-055 effect06 slow to fast 040-047 effect05 slow to fast 032-039 effect04 slow to fast 024-031 effect03 slow to fast 016-023 effect02 slow to fast 008-015 effect01 slow to fast 000-007 no function	236-255 To count forwards 9 down to 0 from slow to fast 216-235 To count forwards 0 up to 9 from slow to fast 196-215 Number-9 176-195 Number-8 156-175 Number-7 136-155 Number-6 116-135 Number-5 096-115 Number-4 076-095 Number-3 056-075 Number-2 036-055 Number-1 016-035 Number-0 000-015 No function	247-255 Letter-Z 238-246 Letter-Y 229-237 Letter-X 220-228 Letter-W 211-219 Letter-V 202-210 Letter-U 193-201 Letter-T 184-192 Letter-S 175-183 Letter-R 166-174 Letter-Q 157-165 Letter-P 148-156 Letter-O 139-147 Letter-N 130-138 Letter-M 121-129 Letter-L 112-120 Letter-K 103-111 Letter-J 094-102 Letter-I 085-093 Letter-H 076-084 Letter-G 067-075 Letter-F 058-066 Letter-E 049-057 Letter-D 040-048 Letter-C 031-039 Letter-B 022-030 Letter-A 000-021 No function	255 100% 0 0%	255 248~255 Open 240~247 Auto 232~239 Open 190~231 Fast open slow close 182~189 Open 140~181 Slow open fast close 132-139 Open 8~131 Strobe slow to fast 0~7 Open 0

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9 channel mode:

9-CH mode				
Ch1	Ch2	Ch3	Ch4	Ch5
Dimmer (LED1-5)	Dimmer (LED6-10)	Dimmer (LED11-15)	Dimmer (LED16-20)	Dimmer (LED21-25)
255—100% ... 0—0%	255—100% ... 0—0%	255—100% ... 0—0%	255—100% ... 0—0%	255—100% ... 0—0%

Ch6	Ch7			Ch8	Ch9
Mode	2-1(Line effect)	2-2(Number)	2-3(Letter)	Dimmer (All)	Strobe
248~255 Auto	248-255 Random line effect 240-247 effect30 slow to fast 232-239 effect 29 slow to fast 224-231 effect 28 slow to fast 216-223 effect 27 slow to fast 208-215 effect 26 slow to fast 200-207 effect25 slow to fast 192-199 effect24 slow to fast 184-191 effect23 slow to fast 176-183 effect22 slow to fast 168-175 effect21 slow to fast 160-167 effect20 slow to fast 152-159 effect19 slow to fast 144-151 effect18 slow to fast 136-143 effect17 slow to fast 128-135 effect16 slow to fast 120-127 effect15 slow to fast 112-119 effect14 slow to fast 104-111 effect13 slow to fast 096-103 effect12 slow to fast 088-095 effect11 slow to fast 080-087 effect10 slow to fast 072-079 effect09 slow to fast 064-071 effect08 slow to fast 056-063 effect07 slow to fast 048-055 effect06 slow to fast 040-047 effect05 slow to fast 032-039 effect04 slow to fast 024-031 effect03 slow to fast 016-023 effect02 slow to fast 008-015 effect01 slow to fast 000-007 no function	236-255 To count forwards 9 down to 0 from slow to fast 216-235 To count forwards 0 up to 9 from slow to fast 196-215 Number-9 176-195 Number-8 156-175 Number-7 136-155 Number-6 116-135 Number-5 096-115 Number-4 076-095 Number-3 056-075 Number-2 036-055 Number-1 016-035 Number-0 000-015 No function	247-255 Letter-Z 238-246 Letter-Y 229-237 Letter-X 220-228 Letter-W 211-219 Letter-V 202-210 Letter-U 193-201 Letter-T 184-192 Letter-S 175-183 Letter-R 166-174 Letter-Q 157-165 Letter-P 148-156 Letter-O 139-147 Letter-N 130-138 Letter-M 121-129 Letter-L 112-120 Letter-K 103-111 Letter-J 094-102 Letter-I 085-093 Letter-H 076-084 Letter-G 067-075 Letter-F 058-066 Letter-E 049-057 Letter-D 040-048 Letter-C 031-039 Letter-B 022-030 Letter-A 000-021 No function	255—100% ... 0—0%	248~255 Open 240~247 Auto 232~239 Open 190~231 Fast open slow close 182~189 Open 140~181 Slow open fast close 132-139 Open 008~131 ⚡⚡⚡ / ⚡⚡ / ⚡ 000~007 Open
188~247 Letter A to Z (see channel 2-3)					
128~187 Number 1 to 9 (see channel 2-2)					
068~127 Effect (see Channel 2-1)					
045~067 Dimmer All					
022~044 Dimmer Ch1 Control LED1.6.11.16.21 Ch2 Control LED2.7.12.17.22 Ch3 Control LED3.8.13.18.23 Ch4 Control LED4.9.14.19.24 Ch5 Control LED5.10.15.20.25					
000~021 Dimmer Ch1 Control LED1-5 Ch2 Control LED6-10 Ch3 Control LED11-15 Ch4 Control LED16-20 Ch5 Control LED21-25					

25 channel mode:

25-CH mode							
Ch1	Ch2	Ch3	Ch4	Ch5	Ch6	Ch7	Ch8
Dimmer1	Dimmer2	Dimmer3	Dimmer4	Dimmer5	Dimmer6	Dimmer7	Dimmer8
255 ⌐ 100% 0 ∟ 0%	255 ⌐ 100% 0 ∟ 0%	255 ⌐ 100% 0 ∟ 0%	255 ⌐ 100% 0 ∟ 0%	255 ⌐ 100% 0 ∟ 0%	255 ⌐ 100% 0 ∟ 0%	255 ⌐ 100% 0 ∟ 0%	255 ⌐ 100% 0 ∟ 0%
Ch9	Ch10	Ch11	Ch12	Ch13	Ch14	Ch15	Ch16
Dimmer9	Dimmer10	Dimmer11	Dimmer12	Dimmer13	Dimmer14	Dimmer15	Dimmer16
255 ⌐ 100% 0 ∟ 0%	255 ⌐ 100% 0 ∟ 0%	255 ⌐ 100% 0 ∟ 0%	255 ⌐ 100% 0 ∟ 0%	255 ⌐ 100% 0 ∟ 0%	255 ⌐ 100% 0 ∟ 0%	255 ⌐ 100% 0 ∟ 0%	255 ⌐ 100% 0 ∟ 0%
Ch17	Ch18	Ch19	Ch20	Ch21	Ch22	Ch23	Ch24	Ch25
Dimmer17	Dimmer18	Dimmer19	Dimmer20	Dimmer21	Dimmer22	Dimmer23	Dimmer24	Dimmer25
255 ⌐ 100% 0 ∟ 0%	255 ⌐ 100% 0 ∟ 0%	255 ⌐ 100% 0 ∟ 0%	255 ⌐ 100% 0 ∟ 0%	255 ⌐ 100% 0 ∟ 0%	255 ⌐ 100% 0 ∟ 0%	255 ⌐ 100% 0 ∟ 0%	255 ⌐ 100% 0 ∟ 0%	255 ⌐ 100% 0 ∟ 0%

29 channel mode:

DMX 512 Configuration

29-CH mode

Ch1	Ch2	Ch3	Ch4	Ch5	Ch6	Ch7	Ch8	Ch9	Ch10	Ch11	Ch12	Ch13
Dimmer1	Dimmer2	Dimmer3	Dimmer4	Dimmer5	Dimmer6	Dimmer7	Dimmer8	Dimmer9	Dimmer10	Dimmer11	Dimmer12	Dimmer13
255–100% ... 0–0%	255–100% ... 0–0%	255–100% ... 0–0%	255–100% ... 0–0%	255–100% ... 0–0%	255–100% ... 0–0%	255–100% ... 0–0%	255–100% ... 0–0%	255–100% ... 0–0%	255–100% ... 0–0%	255–100% ... 0–0%	255–100% ... 0–0%	255–100% ... 0–0%

Ch14	Ch15	Ch16	Ch17	Ch18	Ch19	Ch20	Ch21	Ch22	Ch23	Ch24	Ch25
Dimmer14	Dimmer15	Dimmer16	Dimmer17	Dimmer18	Dimmer19	Dimmer20	Dimmer21	Dimmer22	Dimmer23	Dimmer24	Dimmer25
255–100% ... 0–0%	255–100% ... 0–0%	255–100% ... 0–0%	255–100% ... 0–0%	255–100% ... 0–0%	255–100% ... 0–0%	255–100% ... 0–0%	255–100% ... 0–0%	255–100% ... 0–0%	255–100% ... 0–0%	255–100% ... 0–0%	255–100% ... 0–0%

Ch26	Ch27			Ch28	Ch29
Mode	2-1(Line effect)	2-2(Number)	2-3(Letter)	Dimmer	Strobe
255 248~255 Auto 188~247 Letter A to Z (see channel 2-3) 128~187 Number 1 to 9 (see channel 2-2) 68~127 Effect (see channel 2-1) 8~67 Full On 0~7 Blackout 0	248-255 Random line effect 240-247 effect30 slow to fast 232-239 effect29 slow to fast 224-231 effect28 slow to fast 216-223 effect27 slow to fast 208-215 effect26 slow to fast 200-207 effect25 slow to fast 192-199 effect24 slow to fast 184-191 effect23 slow to fast 176-183 effect22 slow to fast 168-175 effect21 slow to fast 160-167 effect20 slow to fast 152-159 effect19 slow to fast 144-151 effect18 slow to fast 136-143 effect17 slow to fast 128-135 effect16 slow to fast 120-127 effect15 slow to fast 112-119 effect14 slow to fast 104-111 effect13 slow to fast 096-103 effect12 slow to fast 088-095 effect11 slow to fast 080-087 effect10 slow to fast 072-079 effect09 slow to fast 064-071 effect08 slow to fast 056-063 effect07 slow to fast 048-055 effect06 slow to fast 040-047 effect05 slow to fast 032-039 effect04 slow to fast 024-031 effect03 slow to fast 016-023 effect02 slow to fast 008-015 effect01 slow to fast 000-007 no function	236-255 To count forwards 9 down to 0 from slow to fast 216-235 To count forwards 0 up to 9 from slow to fast 196-215 Number-9 176-195 Number-8 156-175 Number-7 136-155 Number-6 116-135 Number-5 096-115 Number-4 076-095 Number-3 056-075 Number-2 036-055 Number-1 016-035 Number-0 000-015 No function	247-255 Letter-Z 238-246 Letter-Y 229-237 Letter-X 220-228 Letter-W 211-219 Letter-V 202-210 Letter-U 193-201 Letter-T 184-192 Letter-S 175-183 Letter-R 166-174 Letter-Q 157-165 Letter-P 148-156 Letter-O 139-147 Letter-N 130-138 Letter-M 121-129 Letter-L 112-120 Letter-K 103-111 Letter-J 094-102 Letter-I 085-093 Letter-H 076-084 Letter-G 067-075 Letter-F 058-066 Letter-E 049-057 Letter-D 040-048 Letter-C 031-039 Letter-B 022-030 Letter-A 000-021 No function	255–100% ... 0–0%	255 248~255 Open 240~247 Auto 232~239 Open 190~231 Fast open slow close 182~189 Open 140~181 Slow open fast close 132-139 Open 8~131 Strobe slow to fast 0~7 Open 0