

11 - DMX CHARTS

RDM Personality ID List		
ID	FC Variant Mode	VW Variant Mode
1	1CH	1CH
2	2CH	2CH
3	5CH	3CH
4	9CH	4CH
5	12CH	9CH
available only on M18 variant		
6	14CH	9CH2

RDM Model ID	
Product Variant	ID
ARSCHINEM18FC	0xD089
ARSCHINEM18VW	0xD088
ARSCHINEM9FC	0xD083
ARSCHINEM9VW	0xD082

FC Variant - DMX Chart Summary

Channel	1CH	2CH	5CH	9CH	12CH	Only M18FC
						14CH
1	Dimmer	Dimmer	Red	Dimmer	Dimmer	Dimmer
2		Dimmer Fine	Green	Dimmer Fine	Dimmer Fine	Dimmer Fine
3			Blue	Red	Red	Strobe 1
4			White	Green	Green	Strobe 2
5			Dimmer Fade	Blue	Blue	Red 1
6				White	White	Green 1
7				Strobe	Strobe	Blue 1
8				Dimmer Fade	Color Macro	White 1
9				Control	Effects	Red 2
10					Effects Speed	Green 2
11					Control	Blue 2
12					Dimmer Fade	White 2
13						Control
14						Dimmer Fade

1CH	2CH	5CH	9CH	12CH	Function	DMX Value	Default
1	1		1	1	DIMMER Linear from 0% to 100%	000 ÷ 255	000
	2		2	2	DIMMER FINE	000 ÷ 255	000
		1	3	3	RED Linear from 0% to 100%	000 ÷ 255	255
		2	4	4	GREEN Linear from 0% to 100%	000 ÷ 255	255
		3	5	5	BLUE Linear from 0% to 100%	000 ÷ 255	255
		4	6	6	WHITE Linear from 0% to 100%	000 ÷ 255	255
			7	7	STROBE Open Strobe from slow to fast Open Pulse in from slow to fast Open Pulse out from slow to fast Open Random from slow to fast Open	000 ÷ 001 002 ÷ 062 063 ÷ 064 065 ÷ 125 126 ÷ 127 128 ÷ 188 189 ÷ 190 191 ÷ 251 252 ÷ 255	255
				8	COLOR MACRO Open Red Green Blue Cyan Magenta Yellow Dirty White Alice Blue Congo Blue Dark Steel Blue Deep Lavender Lilac Ting Daylight Blue Flame Red Bastard Amber Deep Orange Pale Gold Apricot Bright Blue Primary Green Special Lavender Pale Lavender Deep Golden Amber Medium Blue Bright Pink Mauve Dark Green Lee Green Dark Blue Light Blue Steel Blue Medium Blue+Green Peacock Blue Magenta Dark Pink Middle Rose Light Salmon English Rose Light Rose Orange Deep Amber Straw Light Amber Spring Yellow Dark Yellow Green Just Blue Sky Blue Lavender	000 ÷ 001 002 ÷ 003 004 ÷ 005 006 ÷ 007 008 ÷ 009 010 ÷ 011 012 ÷ 013 014 ÷ 015 016 ÷ 017 018 ÷ 019 020 ÷ 021 022 ÷ 023 024 ÷ 025 026 ÷ 027 028 ÷ 029 030 ÷ 031 032 ÷ 033 034 ÷ 035 036 ÷ 037 038 ÷ 039 040 ÷ 041 042 ÷ 043 044 ÷ 045 046 ÷ 047 048 ÷ 049 050 ÷ 051 052 ÷ 053 054 ÷ 055 056 ÷ 057 058 ÷ 059 060 ÷ 061 062 ÷ 063 064 ÷ 065 066 ÷ 067 068 ÷ 069 070 ÷ 071 072 ÷ 073 074 ÷ 075 076 ÷ 077 078 ÷ 079 080 ÷ 081 082 ÷ 083 084 ÷ 085 086 ÷ 087 088 ÷ 089 090 ÷ 091 092 ÷ 093 094 ÷ 095 096 ÷ 097	000

1CH	2CH	5CH	9CH	12CH	Function	DMX Value	Default
					COLOR MACRO		
					Light Lavender	098 ÷ 099	
					Pink Carnation	100 ÷ 101	
					Medium Pink	102 ÷ 103	
					Light Pink	104 ÷ 105	
					Sunset Red	106 ÷ 107	
					Dark Amber	108 ÷ 109	
					Gold Amber	110 ÷ 111	
					Medium Amber	112 ÷ 113	
					Fire	114 ÷ 115	
					Surprise Peach	116 ÷ 117	
					Straw Tint	118 ÷ 119	
					Medium Yellow	120 ÷ 121	
					Lee Minus Green	122 ÷ 123	
					Pale Gold	124 ÷ 125	
					Orange	126 ÷ 127	
					Deep Straw	128 ÷ 129	
					Rose Purple	130 ÷ 131	
					Deep Purple	132 ÷ 133	
					Soft Green	134 ÷ 135	
					Reserved	136 ÷ 211	
					2800K	212 ÷ 213	000
					3000K	214 ÷ 215	
					3200K	216 ÷ 217	
					3400K	218 ÷ 219	
					3600K	220 ÷ 221	
					3800K	222 ÷ 223	
					4000K	224 ÷ 225	
					4200K	226 ÷ 227	
					4400K	228 ÷ 229	
					4600K	230 ÷ 231	
					4800K	232 ÷ 233	
					5000K	234 ÷ 235	
					5200K	236 ÷ 237	
					5400K	238 ÷ 239	
					5600K	240 ÷ 241	
					6000K	242 ÷ 243	
					6500K	244 ÷ 245	
					7000K	246 ÷ 247	
					8000K	248 ÷ 249	
					9000K	250 ÷ 251	
					10000K	252 ÷ 253	
					Full On	254 ÷ 255	
					CONTROL (FC versions)		
					No Function / Safe	000 ÷ 001	
					DIMMER CURVE LINEAR	002 ÷ 003	
					DIMMER CURVE S-CURVE	004 ÷ 005	
					DIMMER CURVE SQUARE LAW	006 ÷ 007	
					DIMMER CURVE INVERSE SQUARE LAW	008 ÷ 009	
					DIMMER SPEED AUTO	010 ÷ 011	
					DIMMER SPEED FAST	012 ÷ 013	
					DIMMER SPEED MEDIUM	014 ÷ 015	
					DIMMER SPEED SLOW	016 ÷ 017	
					LED FREQUENCY 600HZ	018 ÷ 019	
					LED FREQUENCY 1200HZ	020 ÷ 021	
					LED FREQUENCY 2000HZ	022 ÷ 023	
					LED FREQUENCY 4000HZ	024 ÷ 025	
					LED FREQUENCY 6000HZ	026 ÷ 027	
			9	11	LED FREQUENCY 25KHZ	028 ÷ 029	000
					DMX FAULT HOLD	030 ÷ 031	
					DMX FAULT BLACKOUT	032 ÷ 033	
					DMX FAULT STAND ALONE	034 ÷ 035	
					STAND ALONE MASTER DMX	036 ÷ 037	
					STAND ALONE MASTER NO DMX	038 ÷ 039	
					STAND ALONE SLAVE	040 ÷ 041	
					STAND ALONE EFFECTS	042 ÷ 043	
					STAND ALONE STATIC COLORS	044 ÷ 045	
					STAND ALONE WHITE PRESETS	046 ÷ 047	
					STAND ALONE COLOR MACROS	048 ÷ 049	
					STAND ALONE MANUAL COLORS	050 ÷ 051	
					INVERT MAPPING OFF	052 ÷ 053	
					INVERT MAPPING ON	054 ÷ 055	
					Reserved	056 ÷ 253	
					FACTORY DEFAULT OF CONTROL FUNCTIONS	254 ÷ 255	

1CH	2CH	5CH	9CH	12CH	Function	DMX Value	Default
		5	8	12	DIMMER FADE Read by menu Dimmer speed Auto Dimmer speed Fast Dimmer speed Medium Dimmer speed Slow	000 ÷ 051 052 ÷ 101 102 ÷ 152 153 ÷ 203 204 ÷ 255	000
				9	EFFECTS No function Effect 1 Effect 2 Effect 3 Effect 4 Effect 5 (Effects 1-4)	000 ÷ 010 011 ÷ 060 061 ÷ 110 111 ÷ 160 161 ÷ 210 211 ÷ 255	000
				10	EFFECTS SPEED Linear from slow to fast	000 ÷ 255	128

14CH

2 Section control

Available only on M18FC model



14CH	Function	DMX Value	Default
1	DIMMER Linear from 0% to 100%	000 ÷ 255	000
2	DIMMER FINE	000 ÷ 255	000
3	STROBE 1 Open Strobe from slow to fast Open Pulse in from slow to fast Open Pulse out from slow to fast Open Random from slow to fast Open	000 ÷ 001 002 ÷ 062 063 ÷ 064 065 ÷ 125 126 ÷ 127 128 ÷ 188 189 ÷ 190 191 ÷ 251 252 ÷ 255	255
4	STROBE 2 Refer to STROBE 1 channel for ranges	---	---
5	RED 1 Linear from 0% to 100%	000 ÷ 255	255
6	GREEN 1 Linear from 0% to 100%	000 ÷ 255	255
7	BLUE 1 Linear from 0% to 100%	000 ÷ 255	255
8	WHITE 1 Linear from 0% to 100%	000 ÷ 255	255
9	RED 2 Linear from 0% to 100%	000 ÷ 255	255
10	GREEN 2 Linear from 0% to 100%	000 ÷ 255	255
11	BLUE 2 Linear from 0% to 100%	000 ÷ 255	255
12	WHITE 2 Linear from 0% to 100%	000 ÷ 255	255
13	CONTROL Refer to CONTROL channel of mode 9CH / 12CH for ranges	---	---
14	DIMMER FADE Read by menu Dimmer speed Auto Dimmer speed Fast Dimmer speed Medium Dimmer speed Slow	000 ÷ 051 052 ÷ 101 102 ÷ 152 153 ÷ 203 204 ÷ 255	000

VW Variant - DMX Chart Summary

Channel	1CH	2CH	3CH	4CH	9CH	Only M18VW
						9CH2
1	Dimmer	Dimmer	Warm White	Dimmer	Dimmer	Dimmer
2		CCT	Cold White	Dimmer Fine	Dimmer Fine	Strobe 1
3			Dimmer Fade	CCT	Strobe	Strobe 2
4				Dimmer Fade	CCT	Warm White 1
5					Crossfade from CCT to WW/CW	Cold White 1
6					Warm White	Warm White 2
7					Cold White	Cold White 2
8					Dimmer Fade	Dimmer Fade
9					Control	Control

1CH	2CH	3CH	4CH	9CH	Function	DMX Value	Default
1	1		1	1	DIMMER Linear from 0% to 100%	000 ÷ 255	000
			2	2	DIMMER FINE	000 ÷ 255	000
				3	STROBE Open Strobe from slow to fast Open Pulse in from slow to fast Open Pulse out from slow to fast Open Random from slow to fast Open	000 ÷ 001 002 ÷ 062 063 ÷ 064 065 ÷ 125 126 ÷ 127 128 ÷ 188 189 ÷ 190 191 ÷ 251 252 ÷ 255	255
	2		3	4	CCT Linear from 2800K to 6500K	000 ÷ 255	000
				5	CROSSFADE from CCT to WW/CW Linear from 0% to 100%	000 ÷ 255	000
		1		6	WARM WHITE Linear from 0% to 100%	000 ÷ 255	255
		2		7	COLD WHITE Linear from 0% to 100%	000 ÷ 255	255
		3	4	8	DIMMER FADE Read by menu Dimmer speed Auto Dimmer speed Fast Dimmer speed Medium Dimmer speed Slow	000 ÷ 051 052 ÷ 101 102 ÷ 152 153 ÷ 203 204 ÷ 255	000

1CH	2CH	3CH	4CH	9CH	Function	DMX Value	Default
					CONTROL		
					No Function / Safe	000 ÷ 001	
					DIMMER CURVE LINEAR	002 ÷ 003	
					DIMMER CURVE S-CURVE	004 ÷ 005	
					DIMMER CURVE SQUARE LAW	006 ÷ 007	
					DIMMER CURVE INVERSE SQUARE LAW	008 ÷ 009	
					DIMMER SPEED AUTO	010 ÷ 011	
					DIMMER SPEED FAST	012 ÷ 013	
					DIMMER SPEED MEDIUM	014 ÷ 015	
					DIMMER SPEED SLOW	016 ÷ 017	
					LED FREQUENCY 600HZ	018 ÷ 019	
					LED FREQUENCY 1200HZ	020 ÷ 021	
					LED FREQUENCY 2000HZ	022 ÷ 023	
					LED FREQUENCY 4000HZ	024 ÷ 025	
				9	LED FREQUENCY 6000HZ	026 ÷ 027	000
					LED FREQUENCY 25KHZ	028 ÷ 029	
					DMX FAULT HOLD	030 ÷ 031	
					DMX FAULT BLACKOUT	032 ÷ 033	
					DMX FAULT STAND ALONE	034 ÷ 035	
					STAND ALONE MASTER DMX	036 ÷ 037	
					STAND ALONE MASTER NO DMX	038 ÷ 039	
					STAND ALONE SLAVE	040 ÷ 041	
					STAND ALONE EFFECTS	042 ÷ 043	
					STAND ALONE FIXED COLORS	044 ÷ 045	
					STAND ALONE WHITE PRESETS	046 ÷ 047	
					STAND ALONE MANUAL CW+WW	048 ÷ 049	
					INVERT MAPPING OFF	050 ÷ 051	
					INVERT MAPPING ON	052 ÷ 053	
					Reserved	054 ÷ 253	
					FACTORY DEFAULT OF CONTROL FUNCTIONS	254 ÷ 255	

9CH2

2 Section control

Available only on M18VW model



14CH	Function	DMX Value	Default
1	DIMMER Linear from 0% to 100%	000 ÷ 255	000
2	STROBE 1 Open Strobe from slow to fast Open Pulse in from slow to fast Open Pulse out from slow to fast Open Random from slow to fast Open	000 ÷ 001 002 ÷ 062 063 ÷ 064 065 ÷ 125 126 ÷ 127 128 ÷ 188 189 ÷ 190 191 ÷ 251 252 ÷ 255	255
3	STROBE 2 Refer to STROBE 1 channel for ranges	---	---
4	WARM WHITE 1 Linear from 0% to 100%	000 ÷ 255	255
5	COLD WHITE 1 Linear from 0% to 100%	000 ÷ 255	255
6	WARM WHITE 2 Linear from 0% to 100%	000 ÷ 255	255
7	COLD WHITE 2 Linear from 0% to 100%	000 ÷ 255	255
8	DIMMER FADE Read by menu Dimmer speed Auto Dimmer speed Fast Dimmer speed Medium Dimmer speed Slow	000 ÷ 051 052 ÷ 101 102 ÷ 152 153 ÷ 203 204 ÷ 255	000
9	CONTROL Refer to CONTROL channel of mode 9CH for ranges	---	---