

ADJ PROTEGE XL - DMX TRAITS

MODE / CHANNELS			VALUES	FUNCTION
30ch	36ch	45ch		
1	1	1		Pan
			000 - 255	Pan Movement, 540/630
	2	2		Pan Fine
			000 - 255	Pan Fine Adjustment
2	3	3		Tilt
			000 - 255	Tilt Movement, 270
	4	4		Tilt Fine
			000 - 255	Tilt Fine Adjustment
3	5	5		Continuous Pan
			000 - 127	No Function
			128 - 190	Clockwise Rotation, slow to fast
			191 - 192	Stop
			193 - 255	Counter-clockwise Rotation, fast to slow
4	6	6		Cyan
			000 - 255	0% to 100%
		7		Cyan Fine
			000 - 255	0% to 100%
5	7	8		Magenta
			000 - 255	0% to 100%
		9		Magenta Fine
			000 - 255	0% to 100%
6	8	10		Yellow
			000 - 255	0% to 100%
		11		Yellow Fine
			000 - 255	0% to 100%
7	9	12		CTO
			000 - 255	0% to 100%
		13		CTO Fine
			000 - 255	0% to 100%
8	10	14		White Color Temp Presets
			000 - 023	Standard (7500K)
			024 - 071	See WCT Preset Chart
			072 - 255	7500K
9	11	15		Color Wheel
			000 - 008	Open
			009 - 017	Open / Red
			018 - 026	Red
			027 - 035	Red / Blue
			036 - 044	Blue
			045 - 053	Blue / Green
054 - 062	Green			
			063 - 071	Green / Orange

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30ch	36ch	45ch		
9	11	15		Color Wheel (continued)
			072 - 080	Orange
			081 - 089	Orange / Quad Color 1
			090 - 098	Quad Color 1
			099 - 107	Quad Color 1 / High CRI
			108 - 116	High CRI
			117 - 125	High CRI / CTC
			126 - 134	CTC
			135 - 143	CTC / Open
			144 - 197	Clockwise Rotation, fast to slow
			198 - 202	Stop
			203 - 255	Counter-clockwise Rotation, slow to fast
	12	16		Color Macros, CMY and Color Wheel
			000 - 031	Off
			032 - 039	Macro 1
			040 - 047	Macro 2
			048 - 055	Macro 3
			056 - 063	Macro 4
			064 - 071	Macro 5
			072 - 079	Macro 6
			080 - 087	Macro 7
			088 - 095	Macro 8
			096 - 103	Macro 9
			104 - 111	Macro 10
			112 - 119	Macro 11
			120 - 127	Macro 12
			128 - 135	Macro 13
			136 - 143	Macro 14
			144 - 151	Macro 15
			152 - 159	Macro 16
			160 - 167	Macro 17
			168 - 175	Macro 18
			176 - 183	Macro 19
			184 - 191	Macro 20
			192 - 199	Macro 21
			200 - 207	Macro 22
			208 - 215	Macro 23
			216 - 223	Macro 24
			224 - 231	Macro 25
			232 - 239	Macro 26
240 - 247	Macro 27			
248 - 255	Random CMY			

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MODE / CHANNELS			VALUES	FUNCTION
30ch	36ch	45ch		
10	13	17		Gobo Wheel 1
			000 - 009	Open
			010 - 019	Gobo 1
			020 - 029	Gobo 2
			030 - 039	Gobo 3
			040 - 049	Gobo 4
			050 - 059	Gobo 5
			060 - 069	Gobo 6
			070 - 079	Gobo 7
			080 - 094	Gobo 1 Shake, slow to fast
			095 - 109	Gobo 2 Shake, slow to fast
			110 - 124	Gobo 3 Shake, slow to fast
			125 - 139	Gobo 4 Shake, slow to fast
			140 - 154	Gobo 5 Shake, slow to fast
			155 - 169	Gobo 6 Shake, slow to fast
			170 - 189	Gobo 7 Shake, slow to fast
			190 - 221	Clockwise Gobo Wheel Rotation, fast to slow
222 - 223	No Rotation			
224 - 255	Counter-clockwise Gobo Wheel Rotation, slow to fast			
11	14	18		Gobo Wheel 1 Rotation
			000 - 127	Gobo Indexing
			128 - 189	Clockwise Gobo Rotation, fast to slow
			190 - 193	No Rotation
			194 - 255	Counter-clockwise Gobo Rotation, slow to fast
	15	19		Gobo Wheel 1 Index Fine
			000 - 255	Gobo indexing fine
12	16	20		Gobo Wheel 2
			000 - 009	Open
			010 - 019	Gobo 1
			020 - 029	Gobo 2
			030 - 039	Gobo 3
			040 - 049	Gobo 4
			050 - 059	Gobo 5
			060 - 069	Gobo 6
			070 - 079	Gobo 7

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MODE / CHANNELS			VALUES	FUNCTION
30ch	36ch	45ch		
12	16	20		Gobo Wheel 2 (continued)
			080 - 094	Gobo 1 Shake, slow to fast
			095 - 109	Gobo 2 Shake, slow to fast
			110 - 124	Gobo 3 Shake, slow to fast
			125 - 139	Gobo 4 Shake, slow to fast
			140 - 154	Gobo 5 Shake, slow to fast
			155 - 169	Gobo 6 Shake, slow to fast
			170 - 189	Gobo 7 Shake, slow to fast
			190 - 221	Clockwise Gobo Wheel Rotation, fast to slow
			222 - 223	No Rotation
			224 - 255	Counter-clockwise Gobo Wheel Rotation, slow to fast
13	17	21		Gobo Wheel 2 Rotation
			000 - 127	Gobo Indexing
			128 - 189	Clockwise Gobo Rotation, fast to slow
			190 - 193	No Rotation
			194 - 255	Counter-clockwise Gobo Rotation, slow to fast
	18	22		Gobo Wheel 2 Index Fine
			000 - 255	Gobo indexing fine
14	19	23		Shutter
			000 - 031	Shutter Closed
			032 - 063	Shutter Open
			064 - 095	Strobe, slow to fast
			096 - 127	Shutter Open
			128 - 159	Pulse Effect, slow to fast
			160 - 191	Shutter Open
			192 - 223	Random Strobe, slow to fast
224 - 255	Shutter Open			
15	20	24		Dimmer
			000 - 255	Intensity, 0% to 100%
		25		Dimmer Fine
			000 - 255	Dimmer Intensity Fine
16	21	26		Prism 1
			000 - 031	No Effect
			032 - 255	Prism 1
17	22	27		Prism 1 Rotate and Index
			000 - 127	Prism 1 Indexing
			128 - 189	Clockwise Rotation, fast to slow
			190 - 193	No Rotation
			194 - 255	Counter-clockwise Rotation, slow to fast
		28		Prism 1 Index Fine
			000 - 255	Fine 16-bit indexing

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30ch	36ch	45ch		
18	23	29		Prism 2
			000 - 031	No Effect
			032 - 255	Prism 2
19	24	30		Prism 2 Rotate and Index
			000 - 127	Prism 2 Indexing
			128 - 189	Clockwise Rotation, fast to slow
			190 - 193	No Rotation
			194 - 255	Counter-clockwise Rotation, slow to fast
		31		Prism 2 Index Fine
			000 - 255	Fine 16-bit indexing
20	25	32		Prism/Gobo Macros
			000 - 009	No Prism - Open
			010 - 019	Macro 1
			020 - 029	Macro 2
			030 - 039	Macro 3
			040 - 049	Macro 4
			050 - 059	Macro 5
			060 - 069	Macro 6
			070 - 079	Macro 7
			080 - 089	Macro 8
			090 - 099	Macro 9
			100 - 109	Macro 10
			110 - 119	Macro 11
			120 - 129	Macro 12
			130 - 139	Macro 13
			140 - 149	Macro 14
			150 - 159	Macro 15
			160 - 169	Macro 16
			170 - 179	Macro 17
			180 - 189	Macro 18
			190 - 199	Macro 19
			200 - 209	Macro 20
			210 - 219	Macro 21
			220 - 229	Macro 22
230 - 239	Macro 23			
240 - 255	Macro 24			
21	26	33		Focus
			000 - 255	0% to 100%
		34		Focus Fine
			000 - 255	0% to 100%

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MODE / CHANNELS			VALUES	FUNCTION
30ch	36ch	45ch		
22	27	35		Zoom
			000 - 255	Narrow to Wide
		36		Zoom Fine
			000 - 255	Narrow to Wide, 16-bit
23	28	37		Medium Frost
			000 - 255	0% to 100%
24	29	38		Heavy Frost
			000 - 255	0% to 100%
25	30	39		Animation
			000 - 019	No Function
			020 - 127	Enter in Proportion
			128 - 170	All on - All in - All out, fast to slow
			171 - 213	Half open - Full access - Half open, fast to slow
214 - 255	Half open - All out - Half open, fast to slow			
26	31	40		Animation Rotation
			000	No Function
			001 - 127	Clockwise, fast to slow
			128	Stop
129 - 255	Counter-clockwise, slow to fast			
27	32	41		Dimmer Mode
			000 - 020	Default to Unit Setting
			021 - 040	Standard
			041 - 060	Stage
			061 - 080	TV
			081 - 100	Architectural
			101 - 120	Theater
			121 - 140	Stage 2
			141 - 160	Dim Speed, fast to slow (0.1s - 10s)
161 - 255	Default to Unit Setting			
	33	42		Dim Curves
			000 - 020	No Function
			021 - 040	Linear
			041 - 060	Square
			061 - 080	Inv. Squa
			081 - 100	S. Curve
101 - 255	No Function			
28	34	43		CMY and Color Macro Speed
			000 - 255	Maximum to minimum

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30ch	36ch	45ch		
29	35	44		Pan/Tilt Speed
			000 - 225	Pan/Tilt, fast to slow
			226 - 235	Blackout by movement
			236 - 245	Blackout by all wheel changing
			246 - 255	No Function
30	36	45		Special Functions
			000 - 029	No Function
			030 - 039	Fan Control - Mute (hold 3s)
			040 - 049	Fan Control - Low (hold 3s)
			050 - 059	Fan Control - High (hold 3s)
			060 - 069	Fan Control - Auto (hold 3s)
			070 - 074	All Motor Reset
			075 - 079	Pan/Tilt Reset
			080 - 084	CMY Reset
			085 - 089	No Function
			090 - 094	Effect Reset 1 (Color, Gobo, Animation)
			095 - 099	Effect Reset 2 (Prism, Frost, Focus, Zoom)
			100 - 142	No Function
			143 - 144	Pan/Tilt Speed Standard (hold 3s)
			145 - 146	Pan/Tilt Speed Fast (hold 3s)
			147 - 148	No Function
			149 - 150	Aria On (hold 3s)
			151 - 152	Aria Off (hold 3s)
			153 - 154	Hibernation Enable (hold 3s)
			155 - 156	Hibernation Off (hold 3s)
			157 - 158	Display Backlight On (hold 3s)
			159 - 160	Display Backlight Off (hold 3s)
			161 - 164	No Function
			165 - 166	Invert Pan On (hold 3s)
			167 - 168	Invert Pan Off (hold 3s)
			169 - 170	Invert Tilt On (hold 3s)
			171 - 172	Invert Tilt Off (hold 3s)
				LED Refresh Rate (Hz)
			173	900
			174	910
175	920			
176	930			
177	940			
178	950			
179	960			
180	970			

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MODE / CHANNELS			VALUES	FUNCTION
30ch	36ch	45ch		
30	36	45		LED Refresh Rate (Hz) (continued)
			181	980
			182	990
			183	1000
			184	1010
			185	1020
			186	1030
			187	1040
			188	1050
			189	1060
			190	1070
			191	1080
			192	1090
			193	1100
			194	1110
			195	1120
			196	1130
			197	1140
			198	1150
			199	1160
			200	1170
			201	1180
			202	1190
			203	1200
			204	1210
			205	1220
			206	1230
			207	1240
			208	1250
			209	1260
			210	1270
211	1280			
212	1290			
213	1300			
214	1310			
215	1320			
216	1330			
217	1340			
218	1350			
219	1360			
220	1370			
221	1380			

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MODE / CHANNELS			VALUES	FUNCTION
30ch	36ch	45ch		
30	36	45		LED Refresh Rate (Hz) (continued)
			222	1390
			223	1400
			224	1410
			225	1420
			226	1430
			227	1440
			228	1450
			229	1460
			230	1470
			231	1480
			232	1490
			233	1500
			234	2500
			235	4000
			236	5000
			237	6000
			238	10,000
			239	15,000
			240	20,000
			241	25,000
				Internal Programs
			242	Internal Program 1
			243	Internal Program 2
			244	Internal Program 3
			245	Internal Program 4
			246	Internal Program 5
			247	Internal Program 6
			248	Internal Program 7
			249	Internal Programs Off
	CT Mode			
250 - 252	Enable CT Mode			
253 - 255	Disable CT Mode			