

ADJ JOLT MFX 360 - DMX TRAITS

DMX TRAITS: (16Ch, 31Ch, 36Ch, 42Ch)

CHANNEL				DMX VALUES	FUNCTION
16Ch	31Ch	36Ch	42Ch		
1	1	1	1	0-255	Tilt 0-360°
2	2	2	2	0-255	Tilt Fine
3	3	3	3		Infinite Tilt
				0-127	No Function
				128-190	clockwise rotation, from fast to slow
				191-192	Stop
				193-255	counterclockwise rotation from slow to fast
4	4	4	4	0-255	All Amber 0~100%
			5		Shutter, Strobe AMBER Side A
				0-31	Led's Off
				32-63	Led's On
				64-95	Strobe effect slow to fast
				96-127	Led's On
				128-159	Pulse-effect in sequences
				160-191	Led's On
				192-223	Random strobe effect slow to fast
				224-255	Led's On
			6	0-255	Dimmer (Intensity) AMBER Side A Intensity 0 to 100%
			7	0-255	Dimmer Fine (Intensity) AMBER Side A
5	5	5	8	0-255	All A_Red 0~100%
6	6	6	9	0-255	All A_Green 0~100%
7	7	7	10	0-255	All A_Blue 0~100%
8	8	8	11	0-255	All A_Lime 0~100%
	9	9	12	0-255	A_RGBL Color Macros
			13		Shutter, Strobe RGBL Side A
				0-31	Led's Off
				32-63	Led's On
				64-95	Strobe effect slow to fast
				96-127	Led's On
				128-159	Pulse-effect in sequences
				160-191	Led's On
				192-223	Random strobe effect slow to fast
				224-255	Led's On
			14	0-255	Dimmer (Intensity) RGBL Side A Intensity 0 to 100%
			15	0-255	Dimmer Fine (Intensity) RGBL Side A
		10			Shutter, Strobe All Side A
				0-31	Led's Off
				32-63	Led's On
				64-95	Strobe effect slow to fast
				96-127	Led's On
				128-159	Pulse-effect in sequences
				160-191	Led's On
				192-223	Random strobe effect slow to fast
				224-255	Led's On
		11	0-255	Dimmer (Intensity) All Side A Intensity 0 to 100%	
		12	0-255	Dimmer Fine (Intensity) All Side A	
9	10	13	16	0-255	All White 0~100%

DMX TRAITS: 16Ch, 31Ch, 36Ch, 42Ch

CHANNEL				DMX VALUES	FUNCTION
16Ch	31Ch	36Ch	42Ch		
			17		Shutter, Strobe AMBER Side B
				0-31	Led's Off
				32-63	Led's On
				64-95	Strobe effect slow to fast
				96-127	Led's On
				128-159	Pulse-effect in sequences
				160-191	Led's On
				192-223	Random strobe effect slow to fast
				224-255	Led's On
			18	0-255	Dimmer (Intensity) AMBER Side B Intensity 0 to 100%
			19	0-255	Dimmer Fine (Intensity) AMBER Side B
10	11	14	20	0-255	All B_Red 0~100%
11	12	15	21	0-255	All B_Green 0~100%
12	13	16	22	0-255	All B_Blue 0~100%
	14	17	23	0-255	B_RGBL Color Macros
			24		Shutter, Strobe RGBL Side B
				0-31	Led's Off
				32-63	Led's On
				64-95	Strobe effect slow to fast
				96-127	Led's On
				128-159	Pulse-effect in sequences
				160-191	Led's On
				192-223	Random strobe effect slow to fast
				224-255	Led's On
			25	0-255	Dimmer (Intensity) RGBL Side B Intensity 0 to 100%
			26	0-255	Dimmer Fine (Intensity) RGBL Side B
		18			Shutter, Strobe All Side B
			0-31	Led's Off	
			32-63	Led's On	
			64-95	Strobe effect slow to fast	
			96-127	Led's On	
			128-159	Pulse-effect in sequences	
			160-191	Led's On	
			192-223	Random strobe effect slow to fast	
			224-255	Led's On	
		19	0-255	Dimmer (Intensity) All Side B Intensity 0 to 100%	
		20	0-255	Dimmer Fine (Intensity) All Side B	
13	15				Shutter, Strobe ALL SIDES
		0-31	Led's Off		
		32-63	Led's On		
		64-95	Strobe effect slow to fast		
		96-127	Led's On		
		128-159	Pulse-effect in sequences		
		160-191	Led's On		
		192-223	Random strobe effect slow to fast		
		224-255	Led's On		
14	16		0-255	Dimmer (Intensity) ALL Side B Intensity 0 to 100%	
	17		0-255	Dimmer Fine (Intensity) ALL Side B	

DMX TRAITS: 16Ch, 31Ch, 36Ch, 42Ch

CHANNEL				DMX VALUES	FUNCTION
16Ch	31Ch	36Ch	42Ch		
	18	21	27		A_Amber Internal Programs:
				0-19	No Function
				20-50	Program 1
				51-80	Program 2
				81-110	Program 3
				111-140	Program 4
				141-170	Program 5
				171-200	Program 6
				201-230	Program 0
				231-255	No Function
	19	22	28	0-255	A_Amber Internal Programs Speed: Slow to Fast speed
	20	23	29	0-255	A_Amber Internal Programs Fade: Less to More
	21	24	30k		A_RGBL Background Programs:
				0-19	No Function
				20-50	Program 1
				51-80	Program 2
				81-110	Program 3
				111-140	Program 4
				141-170	Program 5
				171-200	Program 6
				201-230	Program 0
				231-255	No Function
	22	25	31	0-255	A_RGBL Background Programs Speed: Slow to Fast speed
	23	26	32	0-255	A_RGBL Background Programs Fade: Less to More
	24	27	33		B_White Internal Programs:
				0-19	No Function
				20-50	Program 1
				51-80	Program 2
				81-110	Program 3
				111-140	Program 4
				141-170	Program 5
				171-200	Program 6
				201-230	Program 0
				231-255	No Function
	25	28	34	0-255	B_White Internal Programs Speed: Slow to Fast speed
	26	29	35	0-255	B_White Internal Programs Fade: Less to More
	27	30	36		B_RGB Background Programs:
				0-19	No Function
				20-50	Program 1
				51-80	Program 2
				81-110	Program 3
				111-140	Program 4
				141-170	Program 5
				171-200	Program 6
				201-230	Program 0
				231-255	No Function
	28	31	37	0-255	B_RGB Background Programs Speed: Slow to Fast speed
	29	32	38	0-255	B_RGB Background Programs Fade: Less to More

DMX TRAITS: 16Ch, 31Ch, 36Ch, 42Ch

CHANNEL				DMX VALUES	FUNCTION
16Ch	31Ch	36Ch	42Ch		
		33	39		Dim Mode
				000-020	No Function
				021-040	Standard
				041-060	Stage
				061-080	TV
				081-100	Architectural
				101-120	Theatre
				121-140	Stage 2
					Dim Speed
				141	0.1 s
				142	0.2 s
				143	0.3 s
				144	0.4 s
				145	0.5 s
				146	0.6 s
				147	0.7 s
				148	0.8 s
				149	0.9 s
				150	1 s
				151	1.5 s
				152	2 s
153	3 s				
154	4 s				
155	5 s				
156	6 s				
157	7 s				
158	8 s				
159	9 s				
160	10 s				
161-255	Default to Unit Setting(Standard)				
		34	40		Dim Curves
				0-20	No Function
				21-40	Linear
				41-60	Square
				61-80	Inv. Squa
				81-100	S. Curve
				101-255	No Function
15	30	35	41	0-255	Tilt Speed fast to slow
16	31	36	42		Special Function
				0006-010	No function (Default LED Refresh Rate 1200 Hz)
				011-011	900 Hz LED Refresh Rate
				012-012	910 Hz LED Refresh Rate
				013-013	920 Hz LED Refresh Rate
				014-014	930 Hz LED Refresh Rate
				015-015	940 Hz LED Refresh Rate
				016-016	950 Hz LED Refresh Rate
				017-017	960 Hz LED Refresh Rate
				018-018	970 Hz LED Refresh Rate
				019-019	980 Hz LED Refresh Rate
				020-020	990 Hz LED Refresh Rate
				021-021	1000 Hz LED Refresh Rate
				022-022	1010 Hz LED Refresh Rate
				023-023	1020 Hz LED Refresh Rate
				024-024	1030 Hz LED Refresh Rate
				025-025	1040 Hz LED Refresh Rate
				026-026	1050 Hz LED Refresh Rate
				027-027	1060 Hz LED Refresh Rate
				028-028	1070 Hz LED Refresh Rate
029-029	1080 Hz LED Refresh Rate				
030-030	1090 Hz LED Refresh Rate				

DMX TRAITS: 16Ch, 31Ch, 36Ch, 42Ch

CHANNEL				DMX VALUES	FUNCTION
16Ch	31Ch	36Ch	42Ch		
42	42	42	42		Special Function
				031-031	1100 Hz LED Refresh Rate
				032-032	1110 Hz LED Refresh Rate
				033-033	1120 Hz LED Refresh Rate
				034-034	1130 Hz LED Refresh Rate
				035-035	1140 Hz LED Refresh Rate
				036-036	1150 Hz LED Refresh Rate
				037-037	1160 Hz LED Refresh Rate
				080-089	Enable Blackout while Tilt moving (Hold 3s)
				090-099	Disable Blackout while Tilt moving (Hold 3s)
				100-105	Fan Mode Auto (Hold 3s)
				106-111	Fan Mode High (Hold 3s)
				112-117	Fan Mode Low (Hold 3s)
				118-122	Pixel Flip Enable (Hold 3s)
				123-127	Pixel Flip Disable (Hold 3s)
				128-132	Enable Bluetooth (Hold 3s)
				133-139	Disable Bluetooth (Hold 3s)
				140-149	Reset Y (Hold 3s)
				150-159	Reset All (Hold 3s)
				160-255	No Function
				050-050	1290 Hz LED Refresh Rate
				051-051	1300 Hz LED Refresh Rate
				052-052	1310 Hz LED Refresh Rate
				053-053	1320 Hz LED Refresh Rate
				054-054	1330 Hz LED Refresh Rate
				055-055	1340 Hz LED Refresh Rate
				056-056	1350 Hz LED Refresh Rate
				057-057	1360 Hz LED Refresh Rate
				058-058	1370 Hz LED Refresh Rate
				059-059	1380 Hz LED Refresh Rate
				060-060	1390 Hz LED Refresh Rate
				061-061	1400 Hz LED Refresh Rate
				062-062	1410 Hz LED Refresh Rate
				063-063	1420 Hz LED Refresh Rate
				064-064	1430 Hz LED Refresh Rate
				065-065	1440 Hz LED Refresh Rate
				066-066	1450 Hz LED Refresh Rate
				067-067	1460 Hz LED Refresh Rate
				068-068	1470 Hz LED Refresh Rate
				069-069	1480 Hz LED Refresh Rate
				070-070	1490 Hz LED Refresh Rate
				071-071	1500 Hz LED Refresh Rate
072-072	2500 Hz LED Refresh Rate				
073-073	4000 Hz LED Refresh Rate				
074-074	5000 Hz LED Refresh Rate				
075-075	6000 Hz LED Refresh Rate				
076-076	10K Hz LED Refresh Rate				
077-077	15K Hz LED Refresh Rate				
078-078	20K Hz LED Refresh Rate				
079-079	25K Hz LED Refresh Rate				

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CHANNEL				DMX VALUES	FUNCTION
16Ch	31Ch	36Ch	42Ch		
16	31	36	42		Special Function
				080-089	Enable Blackout while Tilt moving (Hold 3s)
				090-099	Disable Blackout while Tilt moving (Hold 3s)
				100-105	Fan Mode Auto (Hold 3s)
				106-111	Fan Mode High (Hold 3s)
				112-117	Fan Mode Low (Hold 3s)
				118-122	Pixel Flip Enable (Hold 3s)
				123-127	Pixel Flip Disable (Hold 3s)
				128-132	Enable Bluetooth (Hold 3s)
				133-139	Disable Bluetooth (Hold 3s)
				140-149	Reset Y (Hold 3s)
				150-159	Reset All (Hold 3s)
				160-255	No Function

DMX TRAITS: (79Ch, 96Ch, 99Ch, 105Ch)

CHANNEL				DMX VALUES	FUNCTION
79Ch	96Ch	99Ch	105Ch		
1	1	1	1	0-255	Tilt 0-360°
2	2	2	2	0-255	Tilt Fine
3	3	3	3		Infinite Tilt
				0-127	No Function
				128-190	clockwise rotation, from fast to slow
				191-192	Stop
				193-255	counterclockwise rotation from slow to fast
4	4	4	4	0-255	A_Amber 1 0~100%
5	5	5	5	0-255	A_Amber 2 0~100%
6	6	6	6	0-255	A_Amber 3 0~100%
7	7	7	7	0-255	A_Amber 4 0~100%
			8		Shutter, Strobe AMBER Side A
				0-31	Led's Off
				32-63	Led's On
				64-95	Strobe effect slow to fast
				96-127	Led's On
				128-159	Pulse-effect in sequences
				160-191	Led's On
				192-223	Random strobe effect slow to fast
				224-255	Led's On
			9	0-255	Dimmer (Intensity) AMBER Side A Intensity 0 to 100%
			10	0-255	Dimmer Fine (Intensity) AMBER Side A
8	8	8	118	0-255	A_Red 1-2 0~100%
9	9	9	12	0-255	A_Green 1-2 0~100%
10	10	10	13	0-255	A_Blue 1-2 0~100%
11	11	11	14	0-255	A_Lime 1-2 0~100%
...
44	44	44	47	0-255	A_Red 19-20 0~100%
45	45	45	48	0-255	A_Green 19-20 0~100%
46	46	46	49	0-255	A_Blue 19-20 0~100%
47	47	47	50	0-255	A_Lime 19-20 0~100%
	48	48	51	0-255	A_RGBL Color Macros
			52		Shutter, Strobe RGBL Side A
				0-31	Led's Off
				32-63	Led's On
				64-95	Strobe effect slow to fast
				96-127	Led's On
				128-159	Pulse-effect in sequences
				160-191	Led's On
				192-223	Random strobe effect slow to fast
				224-255	Led's On
			53	0-255	Dimmer (Intensity) RGBL Side A Intensity 0 to 100%
			54	0-255	Dimmer Fine (Intensity) RGBL Side A

DMX TRAITS: (79Ch, 96Ch, 99Ch, 105Ch)

CHANNEL				DMX VALUES	FUNCTION
79h	96Ch	99Ch	105Ch		
		49			Shutter, Strobe All Side A
				0-31	Led's Off
				32-63	Led's On
				64-95	Strobe effect slow to fast
				96-127	Led's On
				128-159	Pulse-effect in sequences
				160-191	Led's On
				192-223	Random strobe effect slow to fast
				224-255	Led's On
		50		0-255	Dimmer (Intensity) All Side A Intensity 0 to 100%
		51		0-255	Dimmer Fine (Intensity) All Side A
48	49	52	55	0-255	B_White 1-4 0~100%
49	50	53	56	0-255	B_White 5-8 0~100%
50	51	54	57	0-255	B_White 9-12 0~100%
51	52	55	58	0-255	B_White 13-16 0~100%
		59			Shutter, Strobe AMBER Side B
				0-31	Led's Off
				32-63	Led's On
				64-95	Strobe effect slow to fast
				96-127	Led's On
				128-159	Pulse-effect in sequences
				160-191	Led's On
				192-223	Random strobe effect slow to fast
				224-255	Led's On
			60	0-255	Dimmer (Intensity) AMBER Side B Intensity 0 to 100%
			61	0-255	Dimmer Fine (Intensity) AMBER Side B
52	53	56	62	0-255	B_Red 1-4 0~100%
53	54	57	63	0-255	B_Green 1-4 0~100%
54	55	58	64	0-255	B_Blue 1-4 0~100%
...
73	74	77	83	0-255	B_Red 29-32 0~100%
74	75	78	84	0-255	B_Green 29-32 0~100%
75	76	79	85	0-255	B_Blue 29-32 0~100%

DMX TRAITS: (79Ch, 96Ch, 99Ch, 105Ch)

CHANNEL				DMX VALUES	FUNCTION
79Ch	96Ch	99Ch	105Ch		
	77	80	86	0-255	B_RGBL Color Macros
			87		Shutter, Strobe RGBL Side B
				0-31	Led's Off
				32-63	Led's On
				64-95	Strobe effect slow to fast
				96-127	Led's On
				128-159	Pulse-effect in sequences
				160-191	Led's On
				192-223	Random strobe effect slow to fast
				224-255	Led's On
			88	0-255	Dimmer (Intensity) RGBL Side B Intensity 0 to 100%
			89	0-255	Dimmer Fine (Intensity) RGBL Side B
		81			Shutter, Strobe All Side B
			0-31	Led's Off	
			32-63	Led's On	
			64-95	Strobe effect slow to fast	
			96-127	Led's On	
			128-159	Pulse-effect in sequences	
			160-191	Led's On	
			192-223	Random strobe effect slow to fast	
			224-255	Led's On	
		82		0-255	Dimmer (Intensity) All Side B Intensity 0 to 100%
		83		0-255	Dimmer Fine (Intensity) All Side B
76	78				Shutter, Strobe ALL SIDES
				0-31	Led's Off
				32-63	Led's On
				64-95	Strobe effect slow to fast
				96-127	Led's On
				128-159	Pulse-effect in sequences
				160-191	Led's On
				192-223	Random strobe effect slow to fast
				224-255	Led's On
77	79			0-255	Dimmer (Intensity) ALL Side B Intensity 0 to 100%
	80			0-255	Dimmer Fine (Intensity) ALL Side B

DMX TRAITS: (79Ch, 96Ch, 99Ch, 105Ch)

CHANNEL				DMX VALUES	FUNCTION
79Ch	96Ch	99Ch	105Ch		
	81	84	90		A_Amber Internal Programs:
				0-19	No Function
				20-50	Program 1
				51-80	Program 2
				81-110	Program 3
				111-140	Program 4
				141-170	Program 5
				171-200	Program 6
				201-230	Program 0
				231-255	No Function
	82	85	91	0-255	A_Amber Internal Programs Speed: Slow to Fast speed
	83	86	92	0-255	A_Amber Internal Programs Fade: Less to More
	84	87	93		A_RGBL Background Programs:
				0-19	No Function
				20-50	Program 1
				51-80	Program 2
				81-110	Program 3
				111-140	Program 4
				141-170	Program 5
				171-200	Program 6
				201-230	Program 0
				231-255	No Function
	85	88	94	0-255	A_RGBL Background Programs Speed: Slow to Fast speed
	86	89	95	0-255	A_RGBL Background Programs Fade: Less to More
	87	90	96		B_White Internal Programs:
				0-19	No Function
				20-50	Program 1
				51-80	Program 2
				81-110	Program 3
				111-140	Program 4
				141-170	Program 5
				171-200	Program 6
				201-230	Program 0
				231-255	No Function
	88	91	97	0-255	B_White Internal Programs Speed: Slow to Fast speed
	89	92	98	0-255	B_White Internal Programs Fade: Less to More
	90	93	99		B_RGB Background Programs:
				0-19	No Function
				20-50	Program 1
				51-80	Program 2
				81-110	Program 3
				111-140	Program 4
				141-170	Program 5
				171-200	Program 6
				201-230	Program 0
				231-255	No Function
	91	94	100	0-255	B_RGB Background Programs Speed: Slow to Fast speed
	92	95	101	0-255	B_RGB Background Programs Fade: Less to More

DMX TRAITS: (79Ch, 96Ch, 99Ch, 105Ch)

CHANNEL				DMX VALUES	FUNCTION
79Ch	96Ch	99Ch	105Ch		
	93	96	102		Dim Mode
				000-020	No Function
				021-040	Standard
				041-060	Stage
				061-080	TV
				081-100	Architectural
				101-120	Theatre
				121-140	Stage 2
					Dim Speed
				141	0.1 s
				142	0.2 s
				143	0.3 s
				144	0.4 s
				145	0.5 s
				146	0.6 s
				147	0.7 s
				148	0.8 s
				149	0.9 s
				150	1 s
				151	1.5 s
				152	2 s
153	3 s				
154	4 s				
155	5 s				
156	6 s				
157	7 s				
158	8 s				
159	9 s				
160	10 s				
161-255	Default to Unit Setting(Standard)				
	94	97	103		Dim Curves
				0-20	No Function
				21-40	Linear
				41-60	Square
				61-80	Inv. Squa
				81-100	S. Curve
				101-255	No Function
78	95	98	104	0-255	Tilt Speed fast to slow
79	96	99	105		Special Function
				0006-010	No function (Default LED Refresh Rate 1200 Hz)
				011-011	900 Hz LED Refresh Rate
				012-012	910 Hz LED Refresh Rate
				013-013	920 Hz LED Refresh Rate
				014-014	930 Hz LED Refresh Rate
				015-015	940 Hz LED Refresh Rate
				016-016	950 Hz LED Refresh Rate
				017-017	960 Hz LED Refresh Rate
				018-018	970 Hz LED Refresh Rate
				019-019	980 Hz LED Refresh Rate
				020-020	990 Hz LED Refresh Rate
				021-021	1000 Hz LED Refresh Rate
				022-022	1010 Hz LED Refresh Rate
				023-023	1020 Hz LED Refresh Rate
				024-024	1030 Hz LED Refresh Rate
				025-025	1040 Hz LED Refresh Rate
				026-026	1050 Hz LED Refresh Rate
				027-027	1060 Hz LED Refresh Rate
				028-028	1070 Hz LED Refresh Rate
				029-029	1080 Hz LED Refresh Rate
030-030	1090 Hz LED Refresh Rate				

DMX TRAITS: (79Ch, 96Ch, 99Ch, 105Ch)

CHANNEL				DMX VALUES	FUNCTION
79Ch	96Ch	99Ch	105Ch		
79	96	99	105		Special Function
				031-031	1100 Hz LED Refresh Rate
				032-032	1110 Hz LED Refresh Rate
				033-033	1120 Hz LED Refresh Rate
				034-034	1130 Hz LED Refresh Rate
				035-035	1140 Hz LED Refresh Rate
				036-036	1150 Hz LED Refresh Rate
				037-037	1160 Hz LED Refresh Rate
				080-089	Enable Blackout while Tilt moving (Hold 3s)
				090-099	Disable Blackout while Tilt moving (Hold 3s)
				100-105	Fan Mode Auto (Hold 3s)
				106-111	Fan Mode High (Hold 3s)
				112-117	Fan Mode Low (Hold 3s)
				118-122	Pixel Flip Enable (Hold 3s)
				123-127	Pixel Flip Disable (Hold 3s)
				128-132	Enable Bluetooth (Hold 3s)
				133-139	Disable Bluetooth (Hold 3s)
				140-149	Reset Y (Hold 3s)
				150-159	Reset All (Hold 3s)
				160-255	No Function
				050-050	1290 Hz LED Refresh Rate
				051-051	1300 Hz LED Refresh Rate
				052-052	1310 Hz LED Refresh Rate
				053-053	1320 Hz LED Refresh Rate
				054-054	1330 Hz LED Refresh Rate
				055-055	1340 Hz LED Refresh Rate
				056-056	1350 Hz LED Refresh Rate
				057-057	1360 Hz LED Refresh Rate
				058-058	1370 Hz LED Refresh Rate
				059-059	1380 Hz LED Refresh Rate
				060-060	1390 Hz LED Refresh Rate
061-061	1400 Hz LED Refresh Rate				
062-062	1410 Hz LED Refresh Rate				
063-063	1420 Hz LED Refresh Rate				
064-064	1430 Hz LED Refresh Rate				
065-065	1440 Hz LED Refresh Rate				
066-066	1450 Hz LED Refresh Rate				
067-067	1460 Hz LED Refresh Rate				
068-068	1470 Hz LED Refresh Rate				
069-069	1480 Hz LED Refresh Rate				
070-070	1490 Hz LED Refresh Rate				
071-071	1500 Hz LED Refresh Rate				
072-072	2500 Hz LED Refresh Rate				
073-073	4000 Hz LED Refresh Rate				
074-074	5000 Hz LED Refresh Rate				
075-075	6000 Hz LED Refresh Rate				
076-076	10K Hz LED Refresh Rate				
077-077	15K Hz LED Refresh Rate				
078-078	20K Hz LED Refresh Rate				
079-079	25K Hz LED Refresh Rate				

DMX TRAITS: (79Ch, 96Ch, 99Ch, 105Ch)

CHANNEL				DMX VALUES	FUNCTION
79Ch	96Ch	99Ch	105Ch		
79	96	99	105		Special Function
				080-089	Enable Blackout while Tilt moving (Hold 3s)
				090-099	Disable Blackout while Tilt moving (Hold 3s)
				100-105	Fan Mode Auto (Hold 3s)
				106-111	Fan Mode High (Hold 3s)
				112-117	Fan Mode Low (Hold 3s)
				118-122	Pixel Flip Enable (Hold 3s)
				123-127	Pixel Flip Disable (Hold 3s)
				128-132	Enable Bluetooth (Hold 3s)
				133-139	Disable Bluetooth (Hold 3s)
				140-149	Reset Y (Hold 3s)
				150-159	Reset All (Hold 3s)
				160-255	No Function

DMX TRAITS: (203Ch, 220Ch, 223Ch, 229Ch)

CHANNEL				DMX VALUES	FUNCTION
203Ch	220Ch	223Ch	229Ch		
1	1	1	1	0-255	Tilt 0-360°
2	2	2	2	0-255	Tilt Fine
3	3	3	3		Infinite Tilt
				0-127	No Function
				128-190	clockwise rotation, from fast to slow
				191-192	Stop
				193-255	counterclockwise rotation from slow to fast
4	4	4	4	0-255	A_Amber 1 0~100%
5	5	5	5	0-255	A_Amber 2 0~100%
6	6	6	6	0-255	A_Amber 3 0~100%
7	7	7	7	0-255	A_Amber 4 0~100%
			8		Shutter, Strobe AMBER Side A
				0-31	Led's Off
				32-63	Led's On
				64-95	Strobe effect slow to fast
				96-127	Led's On
				128-159	Pulse-effect in sequences
				160-191	Led's On
				192-223	Random strobe effect slow to fast
224-255	Led's On				
			9	0-255	Dimmer (Intensity) AMBER Side A Intensity 0 to 100%
			10	0-255	Dimmer Fine (Intensity) AMBER Side A
8	8	8	118	0-255	A_Red 1 0~100%
9	9	9	12	0-255	A_Green 1 0~100%
10	10	10	13	0-255	A_Blue 1 0~100%
11	11	11	14	0-255	A_Lime 1 0~100%
...
84	84	84	87	0-255	A_Red 20 0~100%
85	85	85	88	0-255	A_Green 20 0~100%
86	86	86	89	0-255	A_Blue 20 0~100%
87	87	87	90	0-255	A_Lime 20 0~100%
	88	88	91	0-255	A_RGBL Color Macros
			92		Shutter, Strobe RGBL Side A
				0-31	Led's Off
				32-63	Led's On
				64-95	Strobe effect slow to fast
				96-127	Led's On
				128-159	Pulse-effect in sequences
				160-191	Led's On
				192-223	Random strobe effect slow to fast
224-255	Led's On				
			93	0-255	Dimmer (Intensity) RGBL Side A Intensity 0 to 100%
			94	0-255	Dimmer Fine (Intensity) RGBL Side A

DMX TRAITS: (203Ch, 220Ch, 223Ch, 229Ch)

CHANNEL				DMX VALUES	FUNCTION	
203Ch	220Ch	223Ch	229Ch			
		89			Shutter, Strobe All Side A	
				0-31	Led's Off	
				32-63	Led's On	
				64-95	Strobe effect slow to fast	
				96-127	Led's On	
				128-159	Pulse-effect in sequences	
				160-191	Led's On	
				192-223	Random strobe effect slow to fast	
				224-255	Led's On	
		90		0-255	Dimmer (Intensity) All Side A Intensity 0 to 100%	
		91		0-255	Dimmer Fine (Intensity) All Side A	
88	89	92	95	0-255	B_White 1 0~100%	
89	90	93	96	0-255	B_White 2 0~100%	
90	91	94	97	0-255	B_White 3 0~100%	
91	92	95	98	0-255	B_White 4 0~100%	
100	101	104	107	0-255	B_White 1 0~100%	
101	102	105	108	0-255	B_White 2 0~100%	
102	103	106	109	0-255	B_White 3 0~100%	
103	104	107	110	0-255	B_White 4 0~100%	
			111		Shutter, Strobe AMBER Side B	
					0-31	Led's Off
					32-63	Led's On
					64-95	Strobe effect slow to fast
					96-127	Led's On
					128-159	Pulse-effect in sequences
					160-191	Led's On
					192-223	Random strobe effect slow to fast
					224-255	Led's On
			112	0-255	Dimmer (Intensity) AMBER Side B Intensity 0 to 100%	
			113	0-255	Dimmer Fine (Intensity) AMBER Side B	
104	105	108	114	0-255	B_Red 1 0~100%	
105	106	109	115	0-255	B_Green 1 0~100%	
106	107	110	116	0-255	B_Blue 1 0~100%	
...	
197	198	201	207	0-255	B_Red 32 0~100%	
198	199	202	208	0-255	B_Green 32 0~100%	
199	200	203	209	0-255	B_Blue 32 0~100%	

DMX TRAITS: (203Ch, 220Ch, 223Ch, 229Ch)

CHANNEL				DMX VALUES	FUNCTION
203Ch	220Ch	223Ch	229Ch		
	201	204	210	0-255	B_RGBL Color Macros
			211		Shutter, Strobe RGBL Side B
				0-31	Led's Off
				32-63	Led's On
				64-95	Strobe effect slow to fast
				96-127	Led's On
				128-159	Pulse-effect in sequences
				160-191	Led's On
				192-223	Random strobe effect slow to fast
				224-255	Led's On
			212	0-255	Dimmer (Intensity) RGBL Side B Intensity 0 to 100%
			213	0-255	Dimmer Fine (Intensity) RGBL Side B
		205			Shutter, Strobe All Side B
				0-31	Led's Off
				32-63	Led's On
				64-95	Strobe effect slow to fast
				96-127	Led's On
				128-159	Pulse-effect in sequences
				160-191	Led's On
				192-223	Random strobe effect slow to fast
		224-255	Led's On		
		206		0-255	Dimmer (Intensity) All Side B Intensity 0 to 100%
		207		0-255	Dimmer Fine (Intensity) All Side B
200	202				Shutter, Strobe ALL SIDES
				0-31	Led's Off
				32-63	Led's On
				64-95	Strobe effect slow to fast
				96-127	Led's On
				128-159	Pulse-effect in sequences
				160-191	Led's On
				192-223	Random strobe effect slow to fast
224-255	Led's On				
201	203			0-255	Dimmer (Intensity) ALL Side B Intensity 0 to 100%
	204			0-255	Dimmer Fine (Intensity) ALL Side B

DMX TRAITS: (203Ch, 220Ch, 223Ch, 229Ch)

CHANNEL				DMX VALUES	FUNCTION
203Ch	220Ch	223Ch	229Ch		
205	208	214	214		A_Amber Internal Programs:
				0-19	No Function
				20-50	Program 1
				51-80	Program 2
				81-110	Program 3
				111-140	Program 4
				141-170	Program 5
				171-200	Program 6
				201-230	Program 0
				231-255	No Function
	206	209	215	0-255	A_Amber Internal Programs Speed: Slow to Fast speed
	207	210	216	0-255	A_Amber Internal Programs Fade: Less to More
208	211	217	217		A_RGBL Background Programs:
				0-19	No Function
				20-50	Program 1
				51-80	Program 2
				81-110	Program 3
				111-140	Program 4
				141-170	Program 5
				171-200	Program 6
				201-230	Program 0
				231-255	No Function
	209	212	218	0-255	A_RGBL Background Programs Speed: Slow to Fast speed
	210	213	219	0-255	A_RGBL Background Programs Fade: Less to More
211	214	220	220		B_White Internal Programs:
				0-19	No Function
				20-50	Program 1
				51-80	Program 2
				81-110	Program 3
				111-140	Program 4
				141-170	Program 5
				171-200	Program 6
				201-230	Program 0
				231-255	No Function
	212	215	221	0-255	B_White Internal Programs Speed: Slow to Fast speed
	213	216	222	0-255	B_White Internal Programs Fade: Less to More
214	217	223	223		B_RGB Background Programs:
				0-19	No Function
				20-50	Program 1
				51-80	Program 2
				81-110	Program 3
				111-140	Program 4
				141-170	Program 5
				171-200	Program 6
				201-230	Program 0
				231-255	No Function
	215	218	224	0-255	B_RGB Background Programs Speed: Slow to Fast speed
	216	219	225	0-255	B_RGB Background Programs Fade: Less to More

DMX TRAITS: (203Ch, 220Ch, 223Ch, 229Ch)

CHANNEL				DMX VALUES	FUNCTION
203Ch	220Ch	223Ch	229Ch		
	217	220	226		Dim Mode
				000-020	No Function
				021-040	Standard
				041-060	Stage
				061-080	TV
				081-100	Architectural
				101-120	Theatre
				121-140	Stage 2
					Dim Speed
				141	0.1 s
				142	0.2 s
				143	0.3 s
				144	0.4 s
				145	0.5 s
				146	0.6 s
				147	0.7 s
				148	0.8 s
				149	0.9 s
				150	1 s
				151	1.5 s
				152	2 s
153	3 s				
154	4 s				
155	5 s				
156	6 s				
157	7 s				
158	8 s				
159	9 s				
160	10 s				
161-255	Default to Unit Setting(Standard)				
	218	221	227		Dim Curves
				0-20	No Function
				21-40	Linear
				41-60	Square
				61-80	Inv. Squa
				81-100	S. Curve
				101-255	No Function
202	219	222	228	0-255	Tilt Speed fast to slow
203	220	223	229		Special Function
				0006-010	No function (Default LED Refresh Rate 1200 Hz)
				011-011	900 Hz LED Refresh Rate
				012-012	910 Hz LED Refresh Rate
				013-013	920 Hz LED Refresh Rate
				014-014	930 Hz LED Refresh Rate
				015-015	940 Hz LED Refresh Rate
				016-016	950 Hz LED Refresh Rate
				017-017	960 Hz LED Refresh Rate
				018-018	970 Hz LED Refresh Rate
				019-019	980 Hz LED Refresh Rate
				020-020	990 Hz LED Refresh Rate
				021-021	1000 Hz LED Refresh Rate
				022-022	1010 Hz LED Refresh Rate
				023-023	1020 Hz LED Refresh Rate
				024-024	1030 Hz LED Refresh Rate
				025-025	1040 Hz LED Refresh Rate
				026-026	1050 Hz LED Refresh Rate
				027-027	1060 Hz LED Refresh Rate
				028-028	1070 Hz LED Refresh Rate
				029-029	1080 Hz LED Refresh Rate
030-030	1090 Hz LED Refresh Rate				

DMX TRAITS: (203Ch, 220Ch, 223Ch, 229Ch)

CHANNEL				DMX VALUES	FUNCTION
203Ch	220Ch	223Ch	229Ch		
203	220	223	229		Special Function
				031-031	1100 Hz LED Refresh Rate
				032-032	1110 Hz LED Refresh Rate
				033-033	1120 Hz LED Refresh Rate
				034-034	1130 Hz LED Refresh Rate
				035-035	1140 Hz LED Refresh Rate
				036-036	1150 Hz LED Refresh Rate
				037-037	1160 Hz LED Refresh Rate
				080-089	Enable Blackout while Tilt moving (Hold 3s)
				090-099	Disable Blackout while Tilt moving (Hold 3s)
				100-105	Fan Mode Auto (Hold 3s)
				106-111	Fan Mode High (Hold 3s)
				112-117	Fan Mode Low (Hold 3s)
				118-122	Pixel Flip Enable (Hold 3s)
				123-127	Pixel Flip Disable (Hold 3s)
				128-132	Enable Bluetooth (Hold 3s)
				133-139	Disable Bluetooth (Hold 3s)
				140-149	Reset Y (Hold 3s)
				150-159	Reset All (Hold 3s)
				160-255	No Function
				050-050	1290 Hz LED Refresh Rate
				051-051	1300 Hz LED Refresh Rate
				052-052	1310 Hz LED Refresh Rate
				053-053	1320 Hz LED Refresh Rate
				054-054	1330 Hz LED Refresh Rate
				055-055	1340 Hz LED Refresh Rate
				056-056	1350 Hz LED Refresh Rate
				057-057	1360 Hz LED Refresh Rate
				058-058	1370 Hz LED Refresh Rate
				059-059	1380 Hz LED Refresh Rate
				060-060	1390 Hz LED Refresh Rate
				061-061	1400 Hz LED Refresh Rate
				062-062	1410 Hz LED Refresh Rate
				063-063	1420 Hz LED Refresh Rate
				064-064	1430 Hz LED Refresh Rate
				065-065	1440 Hz LED Refresh Rate
				066-066	1450 Hz LED Refresh Rate
				067-067	1460 Hz LED Refresh Rate
				068-068	1470 Hz LED Refresh Rate
				069-069	1480 Hz LED Refresh Rate
070-070	1490 Hz LED Refresh Rate				
071-071	1500 Hz LED Refresh Rate				
072-072	2500 Hz LED Refresh Rate				
073-073	4000 Hz LED Refresh Rate				
074-074	5000 Hz LED Refresh Rate				
075-075	6000 Hz LED Refresh Rate				
076-076	10K Hz LED Refresh Rate				
077-077	15K Hz LED Refresh Rate				
078-078	20K Hz LED Refresh Rate				
079-079	25K Hz LED Refresh Rate				

DMX TRAITS: (203Ch, 220Ch, 223Ch, 229Ch)

CHANNEL				DMX VALUES	FUNCTION
203Ch	220Ch	223Ch	229Ch		
203	220	223	229		Special Function
				080-089	Enable Blackout while Tilt moving (Hold 3s)
				090-099	Disable Blackout while Tilt moving (Hold 3s)
				100-105	Fan Mode Auto (Hold 3s)
				106-111	Fan Mode High (Hold 3s)
				112-117	Fan Mode Low (Hold 3s)
				118-122	Pixel Flip Enable (Hold 3s)
				123-127	Pixel Flip Disable (Hold 3s)
				128-132	Enable Bluetooth (Hold 3s)
				133-139	Disable Bluetooth (Hold 3s)
				140-149	Reset Y (Hold 3s)
				150-159	Reset All (Hold 3s)
				160-255	No Function

COLOR MACRO CHART: (A RGLB MACROS)

Color	DMX Value	RGLB COLOR INTENSITY				Color	DMX Value	RGLB COLOR INTENSITY			
		RED	GREEN	BLUE	LIME			RED	GREEN	BLUE	LIME
Off	0	0	0	0	0	Color Macro 33	129-132	255	206	143	0
Color Macro 1	1-4	255	0	0	0	Color Macro 34	133-136	254	177	153	0
Color Macro 2	5-8	0	255	0	0	Color Macro 35	137-140	254	192	138	0
Color Macro 3	9-12	0	0	255	0	Color Macro 36	141-144	254	165	98	0
Color Macro 4	13-16	0	0	0	255	Color Macro 37	145-148	254	121	0	0
Color Macro 5	17-20	255	255	0	0	Color Macro 38	149-152	176	17	0	0
Color Macro 6	21-24	0	255	255	0	Color Macro 39	153-156	96	0	11	0
Color Macro 7	25-28	255	255	255	255	Color Macro 40	157-160	234	139	171	0
Color Macro 8	29-32	255	200	74	80	Color Macro 41	161-164	224	5	97	0
Color Macro 9	33-36	255	166	77	26	Color Macro 42	165-168	175	77	173	0
Color Macro 10	37-40	255	125	74	62	Color Macro 43	169-172	119	130	199	0
Color Macro 11	41-44	255	97	77	33	Color Macro 44	173-176	147	164	212	0
Color Macro 12	45-48	255	71	77	200	Color Macro 45	177-180	88	2	163	0
Color Macro 13	49-52	255	83	134	176	Color Macro 46	181-184	0	38	86	0
Color Macro 14	53-56	255	93	182	61	Color Macro 47	185-188	0	142	208	0
Color Macro 15	57-60	255	96	236	44	Color Macro 48	189-192	52	148	209	0
Color Macro 16	61-64	238	93	255	211	Color Macro 49	193-196	1	134	201	0
Color Macro 17	65-68	196	87	255	255	Color Macro 50	197-200	0	145	212	0
Color Macro 18	69-72	150	90	255	255	Color Macro 51	201-204	0	121	192	0
Color Macro 19	73-76	100	77	255	125	Color Macro 52	205-208	0	129	184	0
Color Macro 20	77-80	77	100	255	14	Color Macro 53	209-212	0	83	115	0
Color Macro 21	81-84	67	148	255	189	Color Macro 54	213-216	0	97	166	0
Color Macro 22	85-88	77	195	255	114	Color Macro 55	217-220	1	100	167	0
Color Macro 23	89-92	77	234	255	210	Color Macro 56	221-224	0	40	86	0
Color Macro 24	93-96	158	255	144	111	Color Macro 57	225-228	209	219	182	0
Color Macro 25	97-100	255	251	153	11	Color Macro 58	229-232	42	165	85	0
Color Macro 26	101-104	255	101	147	21	Color Macro 59	233-236	0	46	35	0
Color Macro 27	105-108	255	138	186	140	Color Macro 60	237-240	8	107	222	0
Color Macro 28	109-112	255	147	251	255	Color Macro 61	241-244	80	255	234	0
Color Macro 29	113-116	151	138	255	196	Color Macro 62	245-248	80	255	164	0
Color Macro 30	117-120	99	0	255	255	Color Macro 63	249-252	77	255	112	0
Color Macro 31	121-124	138	169	255	212	Color Macro 64	253-255	117	255	83	0
Color Macro 32	128-128	255	243	77	86						

COLOR MACRO CHART: (B RGB MACROS)

Color	DMX Value	RGB COLOR INTENSITY			Color	DMX Value	RGB COLOR INTENSITY		
		RED	GREEN	BLUE			RED	GREEN	BLUE
Off	0	0	0	0	Color Macro 33	129-132	255	206	143
Color Macro 1	1-4	255	0	0	Color Macro 34	133-136	254	177	153
Color Macro 2	5-8	0	255	0	Color Macro 35	137-140	254	192	138
Color Macro 3	9-12	0	0	255	Color Macro 36	141-144	254	165	98
Color Macro 4	13-16	0	0	0	Color Macro 37	145-148	254	121	0
Color Macro 5	17-20	255	255	0	Color Macro 38	149-152	176	17	0
Color Macro 6	21-24	0	255	255	Color Macro 39	153-156	96	0	11
Color Macro 7	25-28	255	255	255	Color Macro 40	157-160	234	139	171
Color Macro 8	29-32	255	255	74	Color Macro 41	161-164	224	5	97
Color Macro 9	33-36	255	166	77	Color Macro 42	165-168	175	77	173
Color Macro 10	37-40	255	125	74	Color Macro 43	169-172	119	130	199
Color Macro 11	41-44	255	97	77	Color Macro 44	173-176	147	164	212
Color Macro 12	45-48	255	71	77	Color Macro 45	177-180	88	2	163
Color Macro 13	49-52	255	83	134	Color Macro 46	181-184	0	38	86
Color Macro 14	53-56	255	93	182	Color Macro 47	185-188	0	142	208
Color Macro 15	57-60	255	96	236	Color Macro 48	189-192	52	148	209
Color Macro 16	61-64	238	93	255	Color Macro 49	193-196	1	134	201
Color Macro 17	65-68	196	87	255	Color Macro 50	197-200	0	145	212
Color Macro 18	69-72	150	90	255	Color Macro 51	201-204	0	121	192
Color Macro 19	73-76	100	77	255	Color Macro 52	205-208	0	129	184
Color Macro 20	77-80	77	100	255	Color Macro 53	209-212	0	83	115
Color Macro 21	81-84	67	148	255	Color Macro 54	213-216	0	97	166
Color Macro 22	85-88	77	195	255	Color Macro 55	217-220	1	100	167
Color Macro 23	89-92	77	234	255	Color Macro 56	221-224	0	40	86
Color Macro 24	93-96	158	255	144	Color Macro 57	225-228	209	219	182
Color Macro 25	97-100	255	251	153	Color Macro 58	229-232	42	165	85
Color Macro 26	101-104	255	101	147	Color Macro 59	233-236	0	46	35
Color Macro 27	105-108	255	138	186	Color Macro 60	237-240	8	107	222
Color Macro 28	109-112	255	147	251	Color Macro 61	241-244	80	255	234
Color Macro 29	113-116	151	138	255	Color Macro 62	245-248	80	255	164
Color Macro 30	117-120	99	0	255	Color Macro 63	249-252	77	255	112
Color Macro 31	121-124	138	169	255	Color Macro 64	253-255	117	255	83
Color Macro 32	128-128	255	243	77					